FINAL

Newark Bay Study Area

Crab and Clam Data Report

Baseline Human Health and
Ecological Risk Assessment

Glenn Springs Holdings, Inc.

East Brunswick, New Jersey

March 2017

Revision 1

Tables

Figures

Appendices

Acronyms and Abbreviations

BHHERA	baseline human health and ecological risk assessment
BSAF	biota-sediment accumulation factor
COPEC	constituent of potential ecological concern
CPG	Cooperating Parties Group
DGPS	differential global positioning system
LPRRP	Lower Passaic River Restoration Project
MDL	method detection limit
MPC	measurement performance criteria
NBSA	Newark Bay Study Area
PAH	polycyclic aromatic hydrocarbon
PCB	polychlorinated biphenyl
PE	performance evaluation
QAPP	Quality Assurance Project Plan
report	Crab and Clam Data Report
RL	reporting limit
SIM	selective ion monitoring
SOP	standard operating procedure
Tierra	Tierra Solutions, Inc.
USCG	United States Coast Guard
USEPA	U.S. Environmental Protection Agency

1. Introduction

This Crab and Clam Data Report (report) presents the results from the blue crab (*Callinectes sapidus*) and softshell clam (*Mya arenaria*) tissue and co-located surface sediment sampling program conducted in the Newark Bay Study Area (NBSA; Figures 1-1 and 1-2). The field investigation was conducted in late summer/early fall 2014 as part of sampling activities for the baseline human health and ecological risk assessment (BHHERA) and in accordance with the Crab and Clam Sampling and Analysis Quality Assurance Project Plan (Crab and Clam QAPP) (Tierra Solutions, Inc. [Tierra] 2014). The BHHERA is being conducted as part of the remedial investigation for the NBSA pursuant to the Administrative Order on Consent under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA Index 02-2004-2010; United States Environmental Protection Agency [USEPA] 2004).

1.1 Purpose and Scope

As stated in the Crab and Clam QAPP (Tierra 2014), approved by USEPA on August 8, 2014, tissue and sediment chemistry data collected under this program will support the following objectives of the NBSA BHHERA:

1. Evaluate whether exposure to site-related constituents of potential ecological concern (COPECs) in the NBSA poses unacceptable risks to benthic macroinvertebrates (represented by blue crab and softshell clams).

2. Evaluate whether the consumption of blue crabs from the NBSA poses unacceptable risks to humans.

3. Evaluate whether the consumption of blue crabs and softshell clams from the NBSA poses unacceptable risks to ecological wildlife receptors (i.e., birds and mammals).

4. Evaluate whether exposure to surface sediments in the Intertidal Areas of the NBSA poses unacceptable risks to ecological receptors.

Blue crab and softshell clam tissue data and the co-located sediment chemistry data collected as part of this sampling program will be used in the baseline ecological risk assessment as input parameters to a food web model, which will be used to evaluate dietary exposure of COPECs to upper trophic level ecological receptors (i.e., birds and mammals). Surface sediment data will also be compared to appropriate toxicity benchmarks to qualitatively evaluate potential ecological risks to aquatic plants, fish, and reptiles in the NBSA.

In addition, softshell clam tissue data and co-located sediment data will be used (to the extent practicable) to develop biota-sediment accumulation factors (BSAFs) for the NBSA. BSAFs will be developed only if statistical evaluations demonstrate a relationship between co-located sediment and tissue data.

The baseline human health risk assessment will use the blue crab tissue data to evaluate potential human health risks from ingestion of this species. Sediment chemistry data will also be used in the baseline human health risk assessment to evaluate exposure to humans via multiple exposure pathways (e.g., direct contact, incidental ingestion).

1.2 Document Overview

Section 1 of this report presents the introduction, Section 2 presents the sampling design and methodology and Section 3 presents the results. References are provided in Section 4. This report is supported by the following appendices:

- Appendix A – Crab and Clam Composite Plans
- Appendix B – Analytical Chemistry Results
- Appendix C – Laboratory Data Reports
- Appendix D – Data Verification/Validation Reports
- Appendix E – Data Quality Usability Assessment Report

2. Sampling Design and Methodology

This section summarizes the sampling design and methodology used during the late summer/early fall 2014 crab and clam sampling program. Detailed descriptions of the sampling design and methodology are presented in the Crab and Clam QAPP and NBSA Environmental Report (Tierra 2014; Normandeau 2017). Section 2.1 identifies the locations sampled during the crab and clam sampling program. Methods used to collect and process samples are presented in Section 2.2, and deviations from the Crab and Clam QAPP are described in Section 2.4.

2.1 Sampling Locations

Blue crabs were collected from September 8, 2014 through October 14, 2014 from 12 Intertidal Areas in the NBSA. Blue crabs were also collected from an additional 25 locations from October 6, 2014 through October 23, 2014 from the three geographic zones of Newark Bay: north (eight locations), central (eight locations), and south (nine locations). Blue crab samples collected from the geographic zones represent a composite for each zone and do not have coordinate data associated with the composite sample.

Softshell clams were collected from September 8, 2014 through October 2, 2014 from 18 Intertidal Areas throughout the NBSA. Additionally, a single surface sediment sample (0 to 6 inches below sediment surface) was collected from each of the 18 Intertidal Areas from the same locations where the clams were collected.

Table 2-1 provides the list of sampling locations with coordinates, and Figure 2-1 presents the locations of the crab, clam, and co-located sediment samples.

2.2 Sampling Methods

2.2.1 Blue Crabs

Blue crabs were collected from 37 locations using baited crab traps that were deployed from a boat and left overnight. Details regarding blue crab sampling activities are included in the NBSA Environmental Sample Collection Report (Normandeau 2017).

2.2.2 Softshell Clams

Softshell clams were collected from 18 Intertidal Area locations on foot by digging using a stainless steel spade. Details regarding clam sampling activities are included in the NBSA Environmental Sample Collection Report (Normandeau 2017).

2.2.3 Co-Located Sediment

In conjunction with softshell clam collection, sediment was collected from each Intertidal Area location for chemical analysis. Details regarding sediment sampling activities are included in the NBSA Environmental Sample Collection Report (Normandeau 2017).

2.3 Sample Processing, Homogenization and Analysis

Samples were processed at the temporary laboratory facility set up at 80 Lister Avenue in Newark. Details regarding sample processing are included in the NBSA Environmental Sample Collection Report (Normandeau 2017). Sediment samples were shipped directly to each of the laboratories for analysis. Tissue samples were held in a freezer by Eurofins Lancaster Laboratories from time of receipt until time of homogenization. Although crab and clam samples were collected in late summer/early fall 2014, they were not homogenized for chemistry analysis until late summer/early fall 2015. Homogenization occurred after USEPA approval of the composite plans provided in Appendix A. Crab and clam tissue samples were homogenized by Eurofins Lancaster Laboratories in accordance with SOP No. 13 – Laboratory Tissue Homogenization of the Crab and Clam QAPP (Tierra 2014). Crab samples were homogenized from August 19, 2015 through October 6, 2015, and clam samples were homogenized on August 19, 2015 and August 25, 2015. Following homogenization, the crab and clam samples were analyzed for the target parameter groups defined in the Crab and Clam QAPP (Tierra 2014). Split samples of crab tissue were also provided to USEPA's laboratories for analysis.

2.4 Deviations from Crab and Clam QAPP

Eleven deviations from the protocols presented in the Crab and Clam QAPP (Tierra 2014) were necessary during the late summer/early fall 2014 sampling program during sample analysis. The Protocol Modification Forms are provided in the Newark Bay Study Area Environmental Sample Collection Report (Normandeau 2017) and summarized below.

- Protocol Modification Form – Grain Size Container. Crab and Clam QAPP Worksheet #19-2 (Tierra 2014) lists the container for grain size analysis as 16-ounce amber glass. The typical container used for this analysis is a 500 milliliter (mL) wide mouth clear glass jar. The wide mouth helps with analysis and the lab does not have wide mouth amber jars. The use of amber or clear glass would not affect the results of the analysis. As such, the container in Worksheet #19-2 was changed to 500mL clear glass.

- Protocol Modification Form – Semivolatile Organics Selective Ion Monitoring (SIM; SW-846 Method 8270D). Worksheets #12-1, #12-2, and #12-3 of the Crab and Clam QAPP (Tierra 2014) list measurement performance criteria for water, sediment, and tissue matrices, respectively. The quality control sample "surrogate spikes" lists the following surrogate compounds with a percent recovery range of 50-150: Phenol-d5, 2-Fluorobiphenyl, 2-Fluorophenol, 2,4,6-Tribromophenol, Nirtobenzene-d5, and p-Terphenyl-d14. The same surrogate compounds and recoveries are listed in Worksheets #28-2a, #28-2b, and #28-2c for water, sediment, and tissue, respectively. Eurofins Lancaster Laboratories uses

deuterated PAH compounds as surrogates because they are more representative of the target compounds. It also allows for sample extracts to be split between full scan 8270D and 8270D SIM when necessary. Therefore, the surrogate compounds for surrogate spike quality control samples were revised to the following:

Compound	Percent Recovery (Water Matrix)	Percent Recovery (Sediment/Tissue Matrix)
Fluoranthene-d10	64-120	50-150
Benzo(a)pyrene-d12	62-141	50-150
1-Methylnaphthalene-d10	58-134	50-150

- Protocol Modification Form – Analytical Methods: Butyltins. Worksheets #15-1, #15-2, and #15-3 of the Crab and Clam QAPP (Tierra 2014) list method detection limits (MDLs) for the butyltins method. The contracted laboratory can only report to the reporting limits (RLs) for the butyltins method. TestAmerica did not populate the MDLs in the Worksheets and cannot report down to the MDLs because the laboratory's RLs are set near the sensitivity of the instrument. The RLs have been approved and were presented in the Crab and Clam QAPP (Tierra 2014). There is only one parameter (monobutyltin) that has a RL greater than the Study Action Levels presented in the QAPP. Monobutyltin is a known poor performer with poor extraction efficiency. As such, TestAmerica has reported to the RLs not the MDLs listed in Worksheet #15.

- Protocol Modification Form – Analytical Methods: Total Kjeldahl Nitrogen. Worksheet #23-1 of the Crab and Clam QAPP (Tierra 2014) lists USEPA Method 351.3 for analysis of Total Kjeldahl Nitrogen in sediment, and Worksheet #19-2 lists the maximum holding time as 24 hours. The contracted laboratory was audited for and can only perform USEPA Method 351.2. This method is similar to USEPA Method 351.3 as they both employ a digestion in sulfuric acid and mercuric sulfate. USEPA Method 351.2 also employs automated flow analysis. Eurofins Lancaster is NJ-certified in USEPA Method 351.2 for non-potable water (a certification for sediment is not available). Consistent with the data validation guidance, the holding time will be updated from 24 hours to 28 days. The holding time change would be made regardless of a change in analytical method. As such, USEPA Method 351.2 was used for analysis of Total Kjeldahl Nitrogen in sediment with a holding time of 28 days.

- Protocol Modification Form – Analytical Methods: Holding Times. Worksheet #19-2 of the Crab and Clam QAPP (Tierra 2014) lists holding times for chlorinated herbicides, semivolatile organics, semivolatile organics SIM, and Aroclor PCBs as 7 days to extraction and 40 days to analysis; volatile organics as 48 hours to extraction and 12 days to analysis; and hexavalent chromium as 24 hours to extraction and analysis. When data validation SOPs were updated, QAPP Worksheet #19-2 was not updated to match. The revised holding times match the data validation SOPs that will be used to validate the data. As such, holding times for sediment analysis were updated to: 14 days to extraction

and 40 days to analysis for chlorinated herbicides, semivolatile organics, semivolatile organics SIM, and Aroclor PCBs; 48 hours to extraction and 10 days to analysis for volatile organics; and 30 days to digestion and 168 hours to analysis for hexavalent chromium.

- Protocol Modification Form – Analytical Methods: Total Phosphorus. Worksheet #23-1 of the Crab and Clam QAPP (Tierra 2014) lists USEPA Method 365.3 for analysis of Total Phosphorus in sediment and Worksheet #19-2 lists the maximum holding time as 7 days. The contracted laboratory was audited for and can only perform USEPA Method 365.1. This method is similar to USEPA Method 365.3 as they both employ the same chemistry; USEPA Method 365.1 is basically an automated version of USEPA Method 365.3. USEPA Method 365.1 also employs continuous flow analysis. Eurofins Lancaster is NJ-certified in USEPA Method 365.1 for non-potable water (a certification for sediment is not available). Consistent with the data validation guidance, the holding time will be updated from 7 days to 28 days. The holding time change would be made regardless of a change in analytical method. As such, USEPA Method 365.1 was used for analysis of Total Phosphorus in sediment with a holding time of 28 days.

- Protocol Modification Form – TAL Metals PE Sample. Worksheets #12-2 and #28-2b of the Crab and Clam QAPP (Tierra 2014) list the Metals measurement performance criteria (MPC) for the sediment performance evaluation (PE) sample as 70-130% recovery. Since the manufacturer provides calculated Proficiency Test Performance Acceptance Limits that are based on regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements, these were used rather than the 70-130% recovery in the QAPP. The MPC in the QAPP were specified prior to the purchase and receipt of the PE sample and certificate.

- Protocol Modification Form – Semivolatile Organics PE Sample. Worksheets #12-2 and #28-2b of the Crab and Clam QAPP (Tierra 2014) list the Semivolatile Organics SIM MPC for the sediment PE sample as “Recovery within limits set by performance evaluation sample vendor.” Since the manufacturer did not provide limits for the PE sample material, recovery limits of 75-125% were used as these limits are consistent with acceptable limits used for the same material when evaluating the performance of PCDDs/PCDFs and PCB Congeners. The MPC in the QAPP were specified prior to the purchase and receipt of the PE sample and certificate. As such, recovery limits of 75-125% were used as the MPC for Semivolatile Organics SIM sediment PE samples.

- Protocol Modification Form – Semivolatile Organics SIM PE Sample. Worksheets #12-3 and #28-2c of the Crab and Clam QAPP (Tierra 2014) list the Semivolatile Organics SIM MPC for the tissue PE sample as “Recovery within limits set by performance evaluation sample vendor.” Since the manufacturer did not provide limits for the PE sample material, recovery limits of 75-125% were used as these limits are consistent with acceptable limits used for the same material when evaluating the performance of PCDDs/PCDFs and PCB Congeners. The MPC in the QAPP were specified prior to the purchase and receipt of the PE sample and certificate. As such, recovery limits of 75-125% were used as the MPC for Semivolatile Organics SIM tissue PE samples.

- Protocol Modification Form – Pesticides PE Sample. Worksheets #12-3 and #28-2c of the Crab and Clam QAPP (Tierra 2014) list the Pesticides MPC for the tissue PE sample as “All target analyte percent recoveries must fall within the acceptance criteria provided by the vendor.” Since the manufacturer did not provide limits for the PE sample material, recovery limits of 75-125% were used as these limits are consistent with acceptable limits used for the same material when evaluating the performance of PCDDs/PCDFs and PCB Congeners. The MPC in the QAPP were specified prior to the purchase and receipt of the PE sample and certificate. As such, recovery limits of 75-125% were used as the MPC for Pesticide tissue PE samples.

- Protocol Modification Form – Percent Lipids PE Sample. Worksheets #12-3 and #28-2c of the Crab and Clam QAPP (Tierra 2014) list the Percent Lipid MPC for the PE sample as “recoveries must fall within the acceptance criteria provided by the vendor.” Since the manufacturer did not provide limits for the PE sample material, recovery limits of 80-120% were used as these limits are consistent with the Cooperating Parties Group’s Benthic and Fish QAPPs. The MPC in the QAPP were specified prior to the purchase and receipt of the PE sample and certificate. As such, recovery limits of 80-120% were used as the MPC for Percent Lipids tissue PE samples.

3. Results

This section presents the results of chemistry analyses conducted on the crab and clam tissue and sediment samples collected during the 2014 crab and clam sampling program. Table 3-1 provides a list of tissue and sediment samples analyzed for the target parameter groups. These target parameter groups are consistent with the parameters analyzed in tissue and sediment under the CPG Lower Passaic River Restoration Project (LPRRP) and Phases I and II of the Newark Bay sediment investigations and are presented in Table 3-2. Appendix B includes summary tables of analytical chemistry results by matrix (tissue and sediment), species, and tissue type, and Appendix C provides the laboratory data reports.

Data verification/validation was completed in accordance with the Crab and Clam QAPP (Tierra 2014) for data collected under this program. Detailed information regarding all qualified samples can be found in the data verification/validation reports provided in Appendix D. An evaluation of the data quality and usability is provided in Appendix E.

Statistical summaries were prepared for each matrix (tissue and sediment), species, tissue type, and geographic area (see Sections 3.1, 3.2, and 3.3). For all statistical summaries, non-detect results were excluded from the calculations. For sediment samples (any analyte) with a corresponding field duplicate, the parent sample and duplicate sample results were averaged. The average value was used in statistical data evaluations as long as both values were detected concentrations. If only one of the two samples had a detected result, only the detected concentration was used in the statistical data evaluations.

3.1 Blue Crab

Three types of crab tissue samples were analyzed during this program: hepatopancreas, edible muscle, and carcass. Results of chemistry analyses for each tissue type are summarized below.

3.1.1 Hepatopancreas

Thirty-seven blue crab hepatopancreas samples were analyzed for the parameter groups presented in Table 3-2. The analytical results are provided in Appendix B, Table B-1. Table 3-3 provides a list of constituents not detected in blue crab hepatopancreas samples. A statistical summary of detected constituents is provided in Table 3-4 for the 37 hepatopancreas samples. Results were also categorized by geographic area within Newark Bay (north, central, and south). Statistical summaries of samples by geographic area are provided in Tables 3-5 through 3-7. Concentrations of select constituents of interest are presented on Figures 3-1 through 3-9. These nine constituents or chemical groups were selected for summary presentation in this data report based on their high frequency of detection (i.e., occurrence in the majority of samples collected), and the USEPA's focus on this list for risk management considerations and calculation of preliminary remedial goals in the Focused Feasibility Study and Record of Decision for the lower eight miles of the Passaic River. These constituents/compounds have also been the subject of historical studies and concerns in various investigations conducted throughout the New York/New Jersey Harbor Estuary, such as the USEPA's Regional Estuarine Monitoring and Assessment Program.

3.1.2 Edible Muscle

Thirty-seven blue crab edible muscle samples were analyzed for the parameter groups presented in Table 3-2. The analytical results are provided in Appendix B, Table B-2. Table 3-3 provides a list of constituents not detected in blue crab edible muscle samples. A statistical summary of detected constituents is provided in Table 3-8 for the 37 edible muscle samples. Results were also categorized by geographic area within Newark Bay (north, central, and south). Statistical summaries of samples by geographic area are provided in Tables 3-9 through 3-11. Concentrations of select constituents of interest are presented on Figures 3-10 through 3-18.

3.1.3 Carcass

Thirty-seven blue crab carcass samples were analyzed for the parameter groups presented in Table 3-2. The analytical results are provided in Appendix B, Table B-3. Table 3-3 provides a list of constituents not detected in blue crab carcass samples. A statistical summary of detected constituents is provided in Table 3-12 for the 37 carcass samples. Results were also categorized by geographic area within Newark Bay (north, central, and south). Statistical summaries of samples by geographic area are provided in Tables 3-13 through 3-15. Concentrations of select constituents of interest are presented on Figures 3-19 through 3-27.

3.2 Softshell Clams

The target parameter groups for softshell clam tissue analysis are presented in Table 3-2. Eighteen clam samples were collected from Intertidal Areas throughout Newark Bay. The analytical results for softshell clam samples are provided in Appendix B, Table B-4. Table 3-16 provides a list of constituents not detected in clam samples. A statistical summary of detected constituents is provided in Table 3-17 for the 18 clam samples. Results were also categorized by geographic area within Newark Bay (north, central, and south). Statistical summaries of samples by geographic area are provided in Tables 3-18 through 3-20. Concentrations of select constituents of interest are presented on Figures 3-28 through 3-36.

3.3 Sediment

The target parameter groups for sediment analysis are presented in Table 3-2. Eighteen surface sediment samples were collected from the softshell clam locations from Intertidal Areas throughout Newark Bay. The analytical chemistry results for sediment samples are provided in Appendix B, Table B-5. Table 3-21 provides a list of constituents not detected in sediment samples. A statistical summary of detected constituents is provided in Table 3-22 for the 18 sediment samples. Results were also categorized by geographic area within Newark Bay (north, central, and south). Statistical summaries of samples by geographic area are provided in Tables 3-23 through 3-25. Concentrations of select constituents of interest are presented of Figures 3-37 through 3-45.

4. References

Normandeau Associates, Inc. 2017. Newark Bay Study Area Environmental Sample Collection Report. March. Revision 1.

Tierra Solutions, Inc. 2014. Newark Bay Study Area Crab and Clam Sampling and Analysis Quality Assurance Project Plan, Revision 3a. August.

USEPA. 2004. Administrative Order on Consent for Remedial Investigation and Feasibility Study, Newark Bay Study Area, USEPA Index No. CERCLA-02-2004-2010. Including all attachments, amendments, and updates.

Tables

Table 2-1
Tissue and Sediment Sample Collection Locations

Sample Type	Station	Location ID	Geographic Zone	Northing	Easting
Crab	122	NB03CRB122	North	686838.4	600861.7
Crab	123	NB03CRB123	North	680240.6	601142.0
Crab	124	NB03CRB124	Central	672141.3	597541.5
Crab	125	NB03CRB125	Central	670371.7	596280.0
Crab	126	NB03CRB126	Central	667831.2	594913.4
Crab	127	NB03CRB127	Central	665255.7	593038.7
Crab	129	NB03CRB129	South	660122.2	582158.5
Crab	130	NB03CRB130	South	663696.4	585399.8
Crab	131	NB03CRB131	South	665413.4	587204.4
Crab	132	NB03CRB132	North	678251.5	596343.4
Crab	133	NB03CRB133	North	680649.8	597200.0
Crab	134	NB03CRB134	South	659771.8	579740.7
Clam/Sediment	122A	NB03SED122A	North	686897.4	599735.6
Clam/Sediment	122B	NB03SED122B	North	687072.0	599942.3
Clam/Sediment	122C	NB03SED122C	North	687105.4	600101.2
Clam/Sediment	123A	NB03SED123A	North	681632.2	601649.4
Clam/Sediment	123B	NB03SED123B	North	681058.4	602306.5
Clam/Sediment	124	NB03SED124	Central	671666.2	597867.4
Clam/Sediment	125	NB03SED125	Central	670078.3	596590.4
Clam/Sediment	127A	NB03SED127A	Central	665808.6	593976.8
Clam/Sediment	127B	NB03SED127B	Central	664720.1	593076.9
Clam/Sediment	129	NB03SED129	South	659824.2	582102.7
Clam/Sediment	130	NB03SED130	South	663932.2	585154.9
Clam/Sediment	131A	NB03SED131A	South	665598.3	586575.0
Clam/Sediment	131B	NB03SED131B	South	666085.0	586922.7
Clam/Sediment	132A	NB03SED132A	North	678725.6	595862.3
Clam/Sediment	132B	NB03SED132B	North	678120.1	595893.1
Clam/Sediment	133	NB03SED133	North	681014.7	596885.1
Clam/Sediment	134	NB03SED134	South	659737.5	579884.3
Clam/Sediment	135	NB03SED135	South	661734.5	581440.7

Notes:

Crab samples collected from the geographic zones represent a composite for each zone and do not have coordinate data associated with the composite sample.

Table 3-1
Summary of Tissue and Sediment Samples Collected

Station	Geographic Zone	Sample Name	Date Tissue Homogenized by Laboratoy	Matrix	Species	Tissue Type	Sample Type
122	North	NB03CRB-HEP122	08/19/15	Tissue	Blue Crab	Hepatopancreas	Composite
123	North	NB03CRB-HEP123	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
124	Central	NB03CRB-HEP124	09/08/15	Tissue	Blue Crab	Hepatopancreas	Composite
125	Central	NB03CRB-HEP125	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
126	Central	NB03CRB-HEP126	09/08/15	Tissue	Blue Crab	Hepatopancreas	Composite
127	Central	NB03CRB-HEP127	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
129	South	NB03CRB-HEP129	08/19/15	Tissue	Blue Crab	Hepatopancreas	Composite
130	South	NB03CRB-HEP130	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
131	South	NB03CRB-HEP131	08/26/15	Tissue	Blue Crab	Hepatopancreas	Composite
132	North	NB03CRB-HEP132	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
133	North	NB03CRB-HEP133	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
134	South	NB03CRB-HEP134	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N001	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N002	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N003	08/25/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N004	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N005	08/26/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N006	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N007	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	North	NB03CRB-HEP-N008	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C001	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C002	08/26/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C003	08/19/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C004	09/08/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C005	08/26/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C006	08/26/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C007	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	Central	NB03CRB-HEP-C008	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S001	08/26/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S002	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S003	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S004	08/30/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S005	09/01/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S006	09/08/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03-CRB-HEP-S007	10/06/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S008	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
NA	South	NB03CRB-HEP-S009	08/24/15	Tissue	Blue Crab	Hepatopancreas	Composite
122	North	NB03CRB-MUS122	08/19/15	Tissue	Blue Crab	Edible Muscle	Composite
123	North	NB03CRB-MUS123	08/24/15	Tissue	Blue Crab	Edible Muscle	Composite
124	Central	NB03CRB-MUS124	09/08/15	Tissue	Blue Crab	Edible Muscle	Composite
125	Central	NB03CRB-MUS125	08/30/15	Tissue	Blue Crab	Edible Muscle	Composite
126	Central	NB03CRB-MUS126	09/08/15	Tissue	Blue Crab	Edible Muscle	Composite
127	Central	NB03CRB-MUS127	08/30/15	Tissue	Blue Crab	Edible Muscle	Composite
129	South	NB03CRB-MUS129	08/19/15	Tissue	Blue Crab	Edible Muscle	Composite
130	South	NB03CRB-MUS130	09/01/15	Tissue	Blue Crab	Edible Muscle	Composite
131	South	NB03CRB-MUS131	08/26/15	Tissue	Blue Crab	Edible Muscle	Composite
132	North	NB03CRB-MUS132	08/24/15	Tissue	Blue Crab	Edible Muscle	Composite
133	North	NB03CRB-MUS133	08/24/15	Tissue	Blue Crab	Edible Muscle	Composite
134	South	NB03CRB-MUS134	08/24/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N001	08/25/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N002	08/30/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N003	08/25/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N004	09/01/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N005	08/26/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N006	08/24/15	Tissue	Blue Crab	Edible Muscle	Composite

Table 3-1
Summary of Tissue and Sediment Samples Collected

Station	Geographic Zone	Sample Name	Date Tissue Homogenized by Laboratoy	Matrix	Species	Tissue Type	Sample Type
NA	North	NB03CRB-MUS-N007	08/24/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	North	NB03CRB-MUS-N008	09/08/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C001	08/19/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C002	08/26/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C003	08/19/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C004	09/08/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C005	08/26/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C006	08/26/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C007	09/01/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	Central	NB03CRB-MUS-C008	08/30/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03CRB-MUS-S001	08/26/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03CRB-MUS-S002	09/01/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03CRB-MUS-S003	09/01/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03CRB-MUS-S004	08/30/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03CRB-MUS-S005	09/01/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03CRB-MUS-S006	09/08/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03-CRB-MUS-S007	10/06/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03-CRB-MUS-S008	10/06/15	Tissue	Blue Crab	Edible Muscle	Composite
NA	South	NB03-CRB-MUS-S009	10/06/15	Tissue	Blue Crab	Edible Muscle	Composite
122	North	NB03CRB-CAR122	08/19/15	Tissue	Blue Crab	Carcass	Composite
123	North	NB03CRB-CAR123	08/24/15	Tissue	Blue Crab	Carcass	Composite
124	Central	NB03CRB-CAR124	09/08/15	Tissue	Blue Crab	Carcass	Composite
125	Central	NB03CRB-CAR125	08/30/15	Tissue	Blue Crab	Carcass	Composite
126	Central	NB03CRB-CAR126	09/08/15	Tissue	Blue Crab	Carcass	Composite
127	Central	NB03CRB-CAR127	08/30/15	Tissue	Blue Crab	Carcass	Composite
129	South	NB03CRB-CAR129	08/19/15	Tissue	Blue Crab	Carcass	Composite
130	South	NB03CRB-CAR130	09/01/15	Tissue	Blue Crab	Carcass	Composite
131	South	NB03CRB-CAR131	08/26/15	Tissue	Blue Crab	Carcass	Composite
132	North	NB03CRB-CAR132	08/24/15	Tissue	Blue Crab	Carcass	Composite
133	North	NB03CRB-CAR133	08/24/15	Tissue	Blue Crab	Carcass	Composite
134	South	NB03CRB-CAR134	08/24/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N001	08/19/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N002	08/30/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N003	08/25/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N004	09/01/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N005	08/26/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N006	08/24/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N007	08/24/15	Tissue	Blue Crab	Carcass	Composite
NA	North	NB03CRB-CAR-N008	09/01/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C001	08/30/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C002	08/26/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C003	08/19/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C004	09/08/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C005	08/26/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C006	08/26/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C007	09/01/15	Tissue	Blue Crab	Carcass	Composite
NA	Central	NB03CRB-CAR-C008	08/30/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S001	08/26/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S002	09/01/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S003	09/01/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S004	08/30/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S005	09/01/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S006	09/08/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03-CRB-CAR-S007	10/06/15	Tissue	Blue Crab	Carcass	Composite

Table 3-1
Summary of Tissue and Sediment Samples Collected

Station	Geographic Zone	Sample Name	Date Tissue Homogenized by Laboratoy	Matrix	Species	Tissue Type	Sample Type
NA	South	NB03CRB-CAR-S008	08/24/15	Tissue	Blue Crab	Carcass	Composite
NA	South	NB03CRB-CAR-S009	08/24/15	Tissue	Blue Crab	Carcass	Composite
122A	North	NB03CLM122A	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
122B	North	NB03CLM122B	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
122C	North	NB03CLM122C	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
123A	North	NB03CLM123A	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
123B	North	NB03CLM123B	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
124	Central	NB03CLM124	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
125	Central	NB03CLM125	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
127A	Central	NB03CLM127A	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
127B	Central	NB03CLM127B	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
129	South	NB03CLM129	08/19/15	Tissue	Softshell Clam	Whole Body	Composite
130	South	NB03CLM130	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
131A	South	NB03CLM131A	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
131B	South	NB03CLM131B	08/19/15	Tissue	Softshell Clam	Whole Body	Composite
132A	North	NB03CLM132A	08/19/15	Tissue	Softshell Clam	Whole Body	Composite
132B	North	NB03CLM132B	08/19/15	Tissue	Softshell Clam	Whole Body	Composite
133	North	NB03CLM133	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
134	South	NB03CLM134	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
135	South	NB03CLM135	08/25/15	Tissue	Softshell Clam	Whole Body	Composite
122A	North	NB03SED122A	09/17/14	Sediment	NA	NA	Composite
122B	North	NB03SED122B	09/18/14	Sediment	NA	NA	Composite
122C	North	NB03SED122C	09/18/14	Sediment	NA	NA	Composite
123A	North	NB03SED123A	09/23/14	Sediment	NA	NA	Composite
123B	North	NB03SED123B	09/23/14	Sediment	NA	NA	Composite
124	Central	NB03SED124	10/02/14	Sediment	NA	NA	Composite
125	Central	NB03SED125	09/26/14	Sediment	NA	NA	Composite
127A	Central	NB03SED127A	09/24/14	Sediment	NA	NA	Composite
127B	Central	NB03SED127B	09/24/14	Sediment	NA	NA	Composite
129	South	NB03SED129	09/08/14	Sediment	NA	NA	Composite
130	South	NB03SED130	09/16/14	Sediment	NA	NA	Composite
131A	South	NB03SED131A	09/11/14	Sediment	NA	NA	Composite
131B	South	NB03SED131B	09/15/14	Sediment	NA	NA	Composite
132A	North	NB03SED132A	09/11/14	Sediment	NA	NA	Composite
132B	North	NB03SED132B	09/22/14	Sediment	NA	NA	Composite
133	North	NB03SED133	09/22/14	Sediment	NA	NA	Composite
134	South	NB03SED134	09/25/14	Sediment	NA	NA	Composite
135	South	NB03SED135	09/19/14	Sediment	NA	NA	Composite

Notes:
NA = not applicable

Table 3-2
Chemistry Analyses Conducted on Tissue and Sediment Samples

Analytical Laboratory	Chemistry Analysis	Blue Crab Tissue			Clam Tissue	Sediment
		Hepato-pancreas	Edible Muscle	Carcass		
TestAmerica Burlington	Butyltins	x	x	x	x	x
Vista Analytical	Pesticides	x	x	x	x	x
Eurofins Frontier Global Sciences	Mercury and Methylmercury	x	x	x	x	x
Eurofins Lancaster	Dioxins/Furans	x	x	x	x	x
	Lipids	x	x	x	x	
	PCBs (congeners and Aroclors)	x	x	x	x	x
	Metals (including titanium)	x	x	x	x	x
	SVOCs (including phthalates and alkylated PAHs)	x	x	x	x	x
	Percent Moisture	x	x	x	x	x
	Hexavalent Chromium					x
	VOCs					x
	Herbicides					x
	Total Petroleum Hydrocarbons					x
	Total Organic Carbon					x
	Oxidation Reduction Potential					x
	Total Phosphorus					x
	Total Kjeldahl Nitrogen					x
	AVS/SEM					x
	Ammonia					x
	Cyanide					x
	Grain Size					x
	pH					x
Val Associates Laboratory	Total Sulfide					x

Notes:
AVS/SEM = acid volatile sulfide/simultaneously extracted metals
PAHs = polycyclic aromatic hydrocarbons
PCBs = polychlorinated biphenyls
SVOCs = semivolatile organic compounds
VOCs = volatile organic compounds

Table 3-3
List of Constituents Not Detected in Crab Tissue Samples

Analyte	Hepatopancreas	Edible Muscle	Carcass
Metals			
Antimony	X		X
Beryllium	X	X	
Thallium	X	X	X
Butyltins			
Dibutyltin		X	
Monobutyltin		X	X
Tetrabutyltin	X	X	X
Tributyltin	X	X	X
PCB Congeners			
PCB-5	X	X	X
PCB-14	X		
PCB-23	X	X	X
PCB-24	X	X	X
PCB-41		X	
PCB-54		X	X
PCB-78	X	X	X
PCB-89		X	
PCB-96		X	
PCB-104		X	
PCB-106	X	X	X
PCB-142	X	X	X
PCB-143		X	X
PCB-145	X	X	X
PCB-150		X	
PCB-152		X	X
PCB-160		X	X
PCB-161		X	
PCB-169		X	
PCB-186	X	X	X
PCB-192		X	
PCB-204		X	
Aroclor PCBs			
Aroclor-1016	X	X	X
Aroclor-1221	X	X	X
Aroclor-1232	X	X	X
Aroclor-1242	X	X	X
Aroclor-1248	X		X
Aroclor-1254	X	X	X
Aroclor-1260	X		X
Aroclor-1268	X	X	X
Total Aroclor PCBs (Sum of 7 Aroclors)	X		X
Pesticides			
Aldrin		X	X
Delta-BHC		X	
Endosulfan I		X	X
Endosulfan II	X	X	
Endosulfan Sulfate		X	
Endrin	X	X	X
Endrin Aldehyde		X	X
Endrin Ketone	X	X	X
Heptachlor		X	
Semivolatiles			

Table 3-3
List of Constituents Not Detected in Crab Tissue Samples

Analyte	Hepatopancreas	Edible Muscle	Carcass
1,2,4,5-Tetrachlorobenzene	X	X	X
1,2-Diphenylhydrazine		X	X
2,2'-oxybis(1-Chloropropane)	X	X	X
2,3,4,6-Tetrachlorophenol	X	X	X
2,4,5-Trichlorophenol	X	X	X
2,4,6-Trichlorophenol	X	X	X
2,4-Dichlorophenol	X	X	X
2,4-Dimethylphenol	X	X	X
2,4-Dinitrophenol	X	X	X
2,4-Dinitrotoluene	X	X	X
2,6-Dinitrotoluene	X	X	X
2-Chloronaphthalene	X	X	X
2-Chlorophenol	X	X	X
2-Methylphenol	X	X	X
2-Nitroaniline	X	X	X
2-Nitrophenol	X	X	X
3,3'-Dichlorobenzidine	X		X
3-Nitroaniline	X	X	X
4,6-Dinitro-2-methylphenol	X	X	X
4-Bromophenyl phenyl ether	X	X	X
4-Chloro-3-Methylphenol	X	X	X
4-Chloroaniline	X	X	X
4-Chlorophenyl phenyl ether	X	X	X
4-Methylphenol		X	
4-Nitroaniline	X	X	X
4-Nitrophenol	X	X	X
Acenaphthylene		X	
Acetophenone		X	
Atrazine	X	X	X
Benzidine	X	X	X
Benzo(a)anthracene		X	
Benzo(a)pyrene		X	
Benzo(b)fluoranthene		X	
Benzo(e)pyrene		X	
Benzo(g,h,i)perylene		X	
Benzo(j,k)fluoranthene		X	
Benzoic Acid		X	
Biphenyl	X	X	X
bis(2-Chloroethoxy)methane	X	X	X
bis(2-Chloroethyl)ether	X	X	X
bis(2-Ethylhexyl)phthalate	X	X	X
Butyl benzyl phthalate	X	X	X
C1-Chrysenes	X	X	
C1-Fluoranthenes/Pyrenes	X	X	
C1-Fluorenes		X	X
C1-Phenanthrenes/Anthracenes		X	
C2-Chrysenes		X	X
C2-Fluoranthenes/Pyrenes	X	X	X
C2-Fluorenes		X	X
C2-Phenanthrene/anthracenes		X	
C3-Chrysenes	X	X	X
C3-Fluoranthenes/Pyrenes	X	X	X
C3-Fluorenes		X	X

Table 3-3
List of Constituents Not Detected in Crab Tissue Samples

Analyte	Hepatopancreas	Edible Muscle	Carcass
C3-Phenanthrene/anthracenes		X	X
C4-Chrysenes	X	X	X
C4-Naphthalene		X	X
C4-Phenanthrenes/anthracenes		X	X
Caprolactam	X	X	X
Carbazole	X	X	X
Chrysene		X	
Dibenzo(a,h)anthracene		X	
Dibenzofuran	X	X	X
Diethyl phthalate	X	X	X
Dimethylphthalate	X	X	X
Di-n-Butylphthalate	X	X	X
Di-n-Octylphthalate	X	X	X
Fluoranthene		X	
Hexachlorobutadiene	X	X	X
Hexachlorocyclopentadiene	X	X	X
Hexachloroethane	X	X	X
Indeno(1,2,3-cd)pyrene		X	
Isophorone	X	X	X
Nitrobenzene	X	X	X
N-Nitroso-di-n-propylamine	X	X	X
N-Nitrosodiphenylamine	X	X	X
Pentachlorophenol	X	X	X
Perylene		X	
Phenol		X	
Pyrene		X	
Total HMW PAHs		X	

Notes:
HMW = high molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl

Table 3-4
Statistical Summary of Detected Analytes – Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	37	37	100%	1.08	3.25	2.11	2.11	0.559
1,2,3,4,6,7,8-HpCDF	ng/kg	37	37	100%	3.39	35.2	13.6	14.7	8.03
1,2,3,4,7,8,9-HpCDF	ng/kg	37	14	38%	0.0504	0.368	0.178	0.193	0.0990
1,2,3,4,7,8-HxCDD	ng/kg	37	37	100%	0.286	1.04	0.640	0.647	0.167
1,2,3,4,7,8-HxCDF	ng/kg	37	37	100%	2.13	30.5	12.8	14.3	8.14
1,2,3,6,7,8-HxCDD	ng/kg	37	37	100%	1.16	3.2	1.99	1.96	0.489
1,2,3,6,7,8-HxCDF	ng/kg	37	37	100%	1.62	8.32	4.48	4.54	1.69
1,2,3,7,8,9-HxCDD	ng/kg	37	37	100%	0.35	1.01	0.654	0.666	0.167
1,2,3,7,8,9-HxCDF	ng/kg	37	35	95%	0.0525	0.312	0.111	0.121	0.0526
1,2,3,7,8-PeCDD	ng/kg	37	29	78%	1.2	3.38	2.37	2.37	0.545
1,2,3,7,8-PeCDF	ng/kg	37	37	100%	3.6	10.6	6.69	6.90	1.72
2,3,4,6,7,8-HxCDF	ng/kg	37	37	100%	0.561	2.09	1.07	1.15	0.459
2,3,4,7,8-PeCDF	ng/kg	37	37	100%	5.82	24.2	16.5	16.2	4.77
2,3,7,8-TCDD	ng/kg	37	37	100%	15.7	165	80.4	82.3	31.8
2,3,7,8-TCDF	ng/kg	37	37	100%	19.3	58.7	32.3	32.2	7.46
OCDD	ng/kg	37	37	100%	2.5	20.4	5.19	5.63	2.79
OCDF	ng/kg	37	37	100%	0.189	1.77	0.440	0.574	0.367
Percent Lipid	%	37	36	97%	3.5	10.4	6.70	6.81	1.82
Metals									
Aluminum	mg/kg	37	17	46%	6.68	91.6	12.1	23.6	26.4
Arsenic	mg/kg	37	37	100%	0.77	6.16	3.33	3.18	1.04
Barium	mg/kg	37	35	95%	0.197	6.4	0.599	1.24	1.61
Cadmium	mg/kg	37	36	97%	0.165	2.99	0.839	1.07	0.661
Calcium	mg/kg	37	37	100%	2410	71200	3600	8710	12300
Chromium	mg/kg	37	26	70%	0.0992	0.736	0.156	0.213	0.164
Cobalt	mg/kg	37	37	100%	0.126	0.371	0.191	0.208	0.0595
Copper	mg/kg	37	37	100%	3.55	127	52.5	57.3	24.6
Iron	mg/kg	37	37	100%	21.6	277	44.0	64.1	51.6
Lead	mg/kg	37	36	97%	0.0721	2.52	0.243	0.422	0.571
Magnesium	mg/kg	37	37	100%	362	2020	588	760	408
Manganese	mg/kg	37	36	97%	1.96	52.8	3.82	9.53	12.9
Mercury	ng/g	37	37	100%	31.2	134	63.5	68.5	21.4
Methyl Mercury	ng/g	37	37	100%	12	113	51.0	53.2	20.9
Nickel	mg/kg	37	36	97%	0.206	1.2	0.388	0.420	0.177
Potassium	mg/kg	37	37	100%	1760	4690	2890	2890	614
Selenium	mg/kg	37	37	100%	0.71	2.58	1.74	1.70	0.436
Silver	mg/kg	37	37	100%	0.0686	3.87	1.49	1.63	0.760
Sodium	mg/kg	37	37	100%	1640	6250	4520	4580	912
Titanium	mg/kg	37	27	73%	0.167	2.3	0.321	0.423	0.405
Vanadium	mg/kg	37	36	97%	0.0678	0.449	0.119	0.151	0.0816
Zinc	mg/kg	37	37	100%	22.6	82.4	34.6	42.5	18.1
Butyltins									
Dibutyltin	ug/kg	36	4	11%	1.3	1.8	1.65	1.60	0.216
Monobutyltin	ug/kg	37	1	3%	20	20	NA	NA	NA
PCB Congeners									
PCB-1	ng/kg	37	15	41%	3.88	71.4	7.14	19.0	21.5
PCB-2	ng/kg	37	6	16%	1.31	11.9	1.97	3.48	4.14
PCB-3	ng/kg	24	6	25%	3.81	50.1	18.8	24.3	22.7
PCB-4	ng/kg	37	30	81%	20.9	259	46.8	82.3	71.3
PCB-6	ng/kg	37	22	59%	11.8	134	25.2	34.9	30.8
PCB-7	ng/kg	37	9	24%	1.12	8.42	2.78	3.75	2.40
PCB-8	ng/kg	37	26	70%	24.2	498	95.8	113	96.9
PCB-9	ng/kg	37	8	22%	2.14	10.7	4.06	4.96	2.56
PCB-10	ng/kg	37	11	30%	2.92	43.2	13.0	15.1	12.0
PCB-11	ng/kg	37	34	92%	133	1270	314	375	215
PCB-12/13	ng/kg	37	33	89%	22.8	259	78.3	89.5	52.3
PCB-15	ng/kg	37	37	100%	940	6120	2100	2280	1040
PCB-16	ng/kg	37	20	54%	7.69	76.8	28.5	32.2	19.1
PCB-17	ng/kg	37	35	95%	42.4	427	182	186	101
PCB-18/30	ng/kg	37	35	95%	61	584	300	295	160
PCB-19	ng/kg	37	34	92%	5.57	75.7	16.6	22.6	17.1
PCB-20/28	ng/kg	37	37	100%	23900	157000	57700	65600	32200
PCB-21/33	ng/kg	37	37	100%	54.7	587	211	248	136

Table 3-4
Statistical Summary of Detected Analytes – Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-22	ng/kg	37	37	100%	65.8	1130	391	410	239
PCB-25	ng/kg	37	36	97%	61.9	671	277	296	162
PCB-26/29	ng/kg	37	36	97%	103	948	333	373	212
PCB-27	ng/kg	37	37	100%	11.7	182	68.3	70.6	43.6
PCB-31	ng/kg	37	37	100%	264	3550	1530	1530	850
PCB-32	ng/kg	37	37	100%	61.3	966	338	349	200
PCB-34	ng/kg	37	37	100%	7.4	128	47.0	53.7	30.5
PCB-35	ng/kg	37	33	89%	9.59	68.8	35.7	36.3	16.5
PCB-36	ng/kg	37	33	89%	5.18	59.5	18.6	20.7	10.8
PCB-37	ng/kg	37	37	100%	2100	13000	6020	6170	2410
PCB-38	ng/kg	37	15	41%	19	95.3	33.4	45.6	28.2
PCB-39	ng/kg	37	37	100%	40.3	394	132	149	81.6
PCB-40/71	ng/kg	37	37	100%	336	4500	1640	1750	949
PCB-41	ng/kg	37	8	22%	5.13	32.5	22.7	19.0	9.67
PCB-42	ng/kg	37	37	100%	89.5	1470	555	592	353
PCB-43	ng/kg	37	36	97%	28.1	244	99.2	106	58.9
PCB-44/47/65	ng/kg	37	37	100%	20700	119000	69400	69800	24600
PCB-45	ng/kg	37	23	62%	3.37	46.6	17.2	19.7	10.9
PCB-46	ng/kg	37	33	89%	5.01	43.1	15.1	17.6	10.0
PCB-48	ng/kg	37	36	97%	39.1	405	188	184	96.5
PCB-49/69	ng/kg	37	36	97%	173	3330	1190	1240	782
PCB-50/53	ng/kg	37	37	100%	18.3	322	101	111	72.5
PCB-51	ng/kg	37	37	100%	15.6	231	100	98.6	51.4
PCB-52	ng/kg	37	36	97%	231	4470	1200	1330	900
PCB-54	ng/kg	37	2	5%	2.35	2.35	2.35	2.35	0
PCB-55	ng/kg	37	25	68%	52.7	366	117	133	71.2
PCB-56	ng/kg	37	37	100%	104	1970	825	882	523
PCB-57	ng/kg	37	37	100%	8.86	98.8	36.5	40.6	22.4
PCB-58	ng/kg	37	35	95%	7.51	167	51.8	61.2	43.1
PCB-60	ng/kg	37	37	100%	4980	20000	11200	10800	3800
PCB-61/70/74/76	ng/kg	37	37	100%	29600	148000	74800	78100	28000
PCB-62/75	ng/kg	37	37	100%	1470	9430	4880	4900	1720
PCB-63	ng/kg	37	37	100%	459	2850	1150	1310	619
PCB-64	ng/kg	37	37	100%	224	3830	1360	1320	793
PCB-66	ng/kg	37	37	100%	43500	237000	115000	120000	44800
PCB-67	ng/kg	37	36	97%	90.5	482	261	276	107
PCB-68	ng/kg	37	37	100%	218	1710	720	795	340
PCB-72	ng/kg	37	37	100%	48	680	255	293	146
PCB-73	ng/kg	37	32	86%	14.2	114	68.6	63.1	29.9
PCB-77	ng/kg	14	14	100%	2410	9490	6530	5950	1960
PCB-79	ng/kg	37	37	100%	134	548	284	294	114
PCB-80	ng/kg	37	36	97%	10.3	41.3	20.7	21.7	7.81
PCB-81	ng/kg	37	37	100%	134	507	289	281	85.9
PCB-82	ng/kg	37	25	68%	22.5	291	72.1	86.4	61.1
PCB-83	ng/kg	37	15	41%	23.2	158	95.2	93.6	45.3
PCB-84	ng/kg	37	37	100%	45.7	871	198	208	145
PCB-85/116/117	ng/kg	37	37	100%	9760	67600	21500	23000	10600
PCB-86/87/97/109/119/125	ng/kg	37	37	100%	4640	28900	9240	10100	4460
PCB-88	ng/kg	37	1	3%	913	913	NA	NA	NA
PCB-89	ng/kg	37	20	54%	1.83	44.7	10.3	12.6	9.00
PCB-90/101/113	ng/kg	37	37	100%	1730	13200	5000	5520	2590
PCB-91	ng/kg	37	37	100%	185	1820	703	706	370
PCB-92	ng/kg	37	37	100%	196	2430	644	724	437
PCB-93/100	ng/kg	37	37	100%	1980	18300	4450	5350	3220
PCB-94	ng/kg	37	36	97%	30.5	447	140	149	83.0
PCB-95	ng/kg	30	30	100%	348	1940	1130	1080	477
PCB-96	ng/kg	37	7	19%	1.63	7.32	2.36	2.89	2.00
PCB-98/102	ng/kg	37	37	100%	37.1	444	141	153	84.5
PCB-99	ng/kg	37	37	100%	47500	296000	106000	114000	46800
PCB-103	ng/kg	37	36	97%	8.86	113	35.6	43.9	28.4
PCB-104	ng/kg	37	17	46%	1.84	16	7.29	7.55	3.22
PCB-105	ng/kg	37	37	100%	13500	55700	33700	34300	10700
PCB-107	ng/kg	37	37	100%	3660	33200	7280	8700	5710
PCB-108/124	ng/kg	37	36	97%	71	1080	235	276	205

Table 3-4
Statistical Summary of Detected Analytes – Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-110/115	ng/kg	36	36	100%	2390	19800	5970	6900	3710
PCB-111	ng/kg	37	37	100%	67.5	586	175	193	86.9
PCB-112	ng/kg	37	15	41%	51.9	128	86.5	85.3	26.3
PCB-114	ng/kg	37	37	100%	1390	4960	2930	2930	821
PCB-118	ng/kg	36	36	100%	71800	248000	154000	157000	43600
PCB-120	ng/kg	37	37	100%	453	3220	991	1080	484
PCB-121	ng/kg	37	36	97%	52.7	346	110	127	60.1
PCB-122	ng/kg	37	22	59%	13.7	241	41.8	60.5	59.3
PCB-123	ng/kg	37	37	100%	1400	4430	2720	2740	765
PCB-126	ng/kg	36	35	97%	140	570	309	329	94.2
PCB-127	ng/kg	37	37	100%	68.4	270	130	148	54.6
PCB-128/166	ng/kg	37	37	100%	6440	19200	12100	12000	3100
PCB-129/138/163	ng/kg	37	37	100%	61200	202000	110000	116000	33000
PCB-130	ng/kg	35	35	100%	713	2810	1610	1680	547
PCB-131	ng/kg	31	31	100%	30.5	106	63.8	65.9	22.9
PCB-132	ng/kg	33	30	91%	31.5	610	139	169	120
PCB-133	ng/kg	37	37	100%	1400	4370	2860	2870	716
PCB-134	ng/kg	33	30	91%	19.1	116	47.8	52.9	26.2
PCB-135/151	ng/kg	37	36	97%	227	1990	811	805	355
PCB-136	ng/kg	37	37	100%	17.4	150	62.9	69.2	31.2
PCB-137	ng/kg	35	35	100%	3190	8870	5660	5850	1450
PCB-139/140	ng/kg	37	37	100%	1250	3650	2230	2390	640
PCB-141	ng/kg	37	37	100%	152	728	470	449	161
PCB-143	ng/kg	33	5	15%	3.6	19.8	5.61	10.2	7.82
PCB-144	ng/kg	35	34	97%	78.7	312	189	185	67.8
PCB-146	ng/kg	24	24	100%	12400	35100	23300	23100	6340
PCB-147/149	ng/kg	37	37	100%	2000	9340	5880	5280	1880
PCB-148	ng/kg	37	37	100%	253	869	547	552	147
PCB-150	ng/kg	37	25	68%	2.19	19.1	10.0	10.6	4.41
PCB-152	ng/kg	37	9	24%	2.52	8.71	3.85	4.02	1.89
PCB-153/168	ng/kg	37	37	100%	93400	284000	176000	181000	43500
PCB-154	ng/kg	35	35	100%	2340	7780	4720	4860	1330
PCB-155	ng/kg	37	37	100%	362	3140	1420	1450	507
PCB-156/157	ng/kg	37	37	100%	6000	19500	12700	12700	3190
PCB-158	ng/kg	37	36	97%	6430	17000	11700	11800	2790
PCB-159	ng/kg	37	35	95%	18.3	82.2	38.5	46.1	18.6
PCB-160	ng/kg	37	1	3%	48.8	48.8	NA	NA	NA
PCB-161	ng/kg	31	6	19%	6.15	24.4	19.2	18.2	6.41
PCB-162	ng/kg	35	31	89%	428	1190	653	674	179
PCB-164	ng/kg	37	37	100%	88.1	563	307	304	127
PCB-165	ng/kg	18	18	100%	79.6	218	137	141	38.4
PCB-167	ng/kg	37	37	100%	2630	8180	5230	5320	1280
PCB-169	ng/kg	37	14	38%	7.99	207	13.9	27.8	51.8
PCB-170	ng/kg	37	37	100%	5760	22700	12000	12300	3720
PCB-171/173	ng/kg	7	7	100%	3030	10300	7080	6530	2410
PCB-172	ng/kg	37	37	100%	1340	5770	3420	3440	1060
PCB-174	ng/kg	13	13	100%	140	731	426	413	180
PCB-175	ng/kg	25	25	100%	587	1720	1120	1130	296
PCB-176	ng/kg	37	37	100%	31.2	148	90.1	87.7	30.7
PCB-177	ng/kg	9	9	100%	1570	5880	3730	3670	1240
PCB-178	ng/kg	27	27	100%	4300	11900	8130	8060	2120
PCB-179	ng/kg	36	36	100%	26.1	332	109	116	63.3
PCB-180/193	ng/kg	37	37	100%	30500	99000	60500	61300	15700
PCB-181	ng/kg	6	6	100%	231	486	322	335	90.4
PCB-182	ng/kg	11	11	100%	133	459	239	260	98.5
PCB-183/185	ng/kg	18	18	100%	11600	36300	20000	21500	7290
PCB-184	ng/kg	37	37	100%	64.3	361	188	199	66.9
PCB-187	ng/kg	11	11	100%	24200	70300	48800	49200	12900
PCB-188	ng/kg	37	37	100%	162	741	332	359	102
PCB-189	ng/kg	37	37	100%	414	1480	907	920	260
PCB-190	ng/kg	37	37	100%	839	6750	3240	3310	1190
PCB-191	ng/kg	37	37	100%	479	1530	934	945	235
PCB-192	ng/kg	37	25	68%	5.39	29.3	14.1	14.6	6.72
PCB-194	ng/kg	37	37	100%	4260	15000	7000	7530	2270

Table 3-4
Statistical Summary of Detected Analytes – Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-195	ng/kg	37	36	97%	878	3510	1610	1740	598
PCB-196	ng/kg	37	36	97%	3000	11100	5990	6070	1780
PCB-197/200	ng/kg	27	27	100%	344	1170	712	741	198
PCB-198/199	ng/kg	37	36	97%	7190	25200	13500	13600	4190
PCB-201	ng/kg	37	37	100%	1090	3780	2060	2140	578
PCB-202	ng/kg	37	37	100%	1700	8230	5030	5090	1310
PCB-203	ng/kg	37	36	97%	1860	13500	7250	7370	2460
PCB-204	ng/kg	37	35	95%	12.5	58.2	25.8	29.6	12.4
PCB-205	ng/kg	37	37	100%	59.7	261	107	127	52.7
PCB-206	ng/kg	37	37	100%	2440	7670	4550	4750	1160
PCB-207	ng/kg	37	37	100%	376	1190	718	722	174
PCB-208	ng/kg	37	37	100%	915	4310	2600	2630	691
PCB-209	ng/kg	35	35	100%	1150	4680	3150	3150	725
Total PCB Congeners (209)	ng/kg	37	37	100%	658000	2100000	1280000	1300000	356000
Aroclor PCBs									
Aroclor-1262	ug/kg	37	28	76%	140	480	230	249	75.2
Pesticides									
2,4'-DDD	pg/g	37	36	97%	68.3	3130	238	372	557
2,4'-DDE	pg/g	36	35	97%	179	6270	480	814	1100
2,4'-DDT	pg/g	37	31	84%	47.9	3470	139	292	608
4,4'-DDD	pg/g	37	37	100%	20400	475000	83900	99200	80900
4,4'-DDE	pg/g	37	37	100%	108000	670000	272000	283000	135000
4,4'-DDT	pg/g	37	37	100%	234	13100	710	1750	2750
Aldrin	pg/g	36	5	14%	5.81	16.1	13.2	11.5	4.12
Alpha-BHC	pg/g	36	36	100%	39.9	141	86.1	85.9	24.1
Alpha-Chlordane	pg/g	37	36	97%	853	11500	5320	5870	3170
Beta-BHC	pg/g	37	36	97%	125	551	217	238	95.1
cis-Nonachlor	pg/g	37	37	100%	8980	40900	16700	16900	5890
Delta-BHC	pg/g	32	3	9%	19.6	42.2	19.9	27.2	13.0
Dieldrin	pg/g	36	36	100%	4550	34000	16900	17800	8550
Endosulfan I	pg/g	23	1	4%	25	25	NA	NA	NA
Endosulfan Sulfate	pg/g	33	1	3%	60.5	60.5	NA	NA	NA
Endrin Aldehyde	pg/g	14	3	21%	145	228	187	187	41.5
Gamma-BHC (Lindane)	pg/g	37	30	81%	12.6	57	27.0	28.5	9.38
Heptachlor	pg/g	37	2	5%	1.58	3.5	2.54	2.54	1.36
Heptachlor Epoxide	pg/g	37	37	100%	5100	38800	11000	11700	5460
Hexachlorobenzene	pg/g	37	37	100%	1390	8580	3090	3240	1430
Methoxychlor	pg/g	27	1	4%	13.9	13.9	NA	NA	NA
Mirex	pg/g	37	37	100%	324	1160	605	619	171
Nonachlor, trans-	pg/g	37	37	100%	5560	85400	29800	32600	15300
Oxychlordane	pg/g	37	37	100%	20000	124000	46900	50000	18800
trans-Chlordane	pg/g	31	29	94%	476	1610	777	850	289
trans-Heptachlor Epoxide	pg/g	37	37	100%	1130	8760	3340	3450	1390
Total Alpha + Gamma Chlordane	ppb	37	36	97%	0.85	13	6.15	6.56	3.40
Total DDT (2,4)	ppb	37	36	97%	0.17	7.5	0.815	1.42	1.68
Total DDT (4,4)	ppb	37	37	100%	130	1100	360	383	208
Total DDT (2,4 & 4,4)	ppb	37	37	100%	130	1100	360	384	209
Semivolatiles									
1,2-Diphenylhydrazine	ug/kg	36	1	3%	86	86	NA	NA	NA
1-Methylnaphthalene	ug/kg	37	9	24%	3.1	28	5.50	7.28	7.90
2-Methylnaphthalene	ug/kg	37	24	65%	2.9	37	5.40	7.47	7.74
4-Methylphenol	ug/kg	36	1	3%	92	92	NA	NA	NA
Acenaphthene	ug/kg	37	32	86%	4.6	110	8.40	16.9	21.5
Acenaphthylene	ug/kg	37	11	30%	2.7	5.8	3.70	3.73	0.929
Acetophenone	ug/kg	36	2	6%	120	1200	660	660	764
Anthracene	ug/kg	37	24	65%	2.6	8.3	3.45	3.94	1.52
Benzaldehyde	ug/kg	36	25	69%	360	5200	2600	2680	1530
Benzo(a)anthracene	ug/kg	37	9	24%	2.6	5.4	3.80	3.98	1.12
Benzo(a)pyrene	ug/kg	37	2	5%	3.9	4.3	4.10	4.10	0.283
Benzo(b)fluoranthene	ug/kg	37	2	5%	2.7	3.3	3.00	3.00	0.424
Benzo(e)pyrene	ug/kg	37	3	8%	2.8	4.3	3.10	3.40	0.794
Benzo(g,h,i)perylene	ug/kg	37	4	11%	2.8	19	6.45	8.68	7.33
Benzo(j,k)fluoranthene	ug/kg	37	1	3%	3.6	3.6	NA	NA	NA
Benzoic Acid	ug/kg	36	16	44%	1500	12000	4600	5240	2990

Table 3-4
Statistical Summary of Detected Analytes – Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C1-Fluorenes	ug/kg	37	2	5%	2.7	5.6	4.15	4.15	2.05
C1-Naphthalenes	ug/kg	37	21	57%	6.2	60	11.0	14.4	11.3
C1-Phenanthrenes/Anthracenes	ug/kg	37	4	11%	3.1	21	6.75	9.40	8.11
C2-Chrysenes	ug/kg	37	1	3%	5.9	5.9	NA	NA	NA
C2-Fluorenes	ug/kg	37	3	8%	51	150	85.0	95.3	50.3
C2-Naphthalenes	ug/kg	37	11	30%	5.7	48	11.0	16.2	12.1
C2-Phenanthrene/anthracenes	ug/kg	37	3	8%	16	38	21.0	25.0	11.5
C3-Fluorenes	ug/kg	37	3	8%	6.5	22	14.0	14.2	7.75
C3-Naphthalene	ug/kg	37	2	5%	6.1	14	10.1	10.1	5.59
C3-Phenanthrene/anthracenes	ug/kg	37	1	3%	4.7	4.7	NA	NA	NA
C4-Naphthalene	ug/kg	37	2	5%	4.1	14	9.05	9.05	7.00
C4-Phenanthrenes/anthracenes	ug/kg	37	1	3%	12	12	NA	NA	NA
Chrysene	ug/kg	37	14	38%	2.8	14	4.65	5.44	2.81
Dibenzo(a,h)anthracene	ug/kg	37	3	8%	2.6	4.3	2.70	3.20	0.954
Fluoranthene	ug/kg	37	32	86%	3.2	44	9.30	10.9	7.66
Fluorene	ug/kg	37	3	8%	3.4	4.8	3.50	3.90	0.781
Indeno(1,2,3-cd)pyrene	ug/kg	37	2	5%	500	520	510	510	14.1
Naphthalene	ug/kg	37	14	38%	2.8	30	4.20	6.29	7.05
Perylene	ug/kg	37	16	43%	3.7	12	4.40	5.86	2.53
Phenanthrene	ug/kg	37	21	57%	2.7	24	4.70	6.21	5.31
Phenol	ug/kg	36	7	19%	180	670	390	404	188
Pyrene	ug/kg	37	33	89%	2.7	40	6.50	8.38	6.97
Pyridine	ug/kg	36	6	17%	410	1200	775	772	266
Total HMW PAHs	ppb	37	33	89%	2.7	580	16.0	55.2	129
Total LMW PAHs	ppb	37	33	89%	4.7	200	24.0	32.9	37.2
TOTAL PAHs	ppb	37	34	92%	7.6	650	40.0	85.5	141
Physical Properties[2]									
Percent Moisture	%	37	37	100%	65.3	79.1	70.4	71.6	3.65
Water Content ASTM D2216	%	37	37	100%	188	378	238	258	50.9

Footnotes:
[1] Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-5
Statistical Summary of Detected Analytes in the North Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	12	12	100%	1.08	3.25	2.67	2.51	0.619
1,2,3,4,6,7,8-HpCDF	ng/kg	12	12	100%	13	35.2	22.0	22.9	7.03
1,2,3,4,7,8,9-HpCDF	ng/kg	12	8	67%	0.0504	0.368	0.197	0.215	0.117
1,2,3,4,7,8-HxCDD	ng/kg	12	12	100%	0.531	1.04	0.762	0.753	0.143
1,2,3,4,7,8-HxCDF	ng/kg	12	12	100%	13.5	30.5	25.1	23.2	5.43
1,2,3,6,7,8-HxCDD	ng/kg	12	12	100%	1.3	3.2	2.36	2.28	0.490
1,2,3,6,7,8-HxCDF	ng/kg	12	12	100%	3.41	8.32	6.03	5.90	1.40
1,2,3,7,8,9-HxCDD	ng/kg	12	12	100%	0.436	0.957	0.788	0.742	0.160
1,2,3,7,8,9-HxCDF	ng/kg	12	12	100%	0.0872	0.312	0.105	0.140	0.0753
1,2,3,7,8-PeCDD	ng/kg	12	10	83%	2.04	3.38	2.76	2.70	0.413
1,2,3,7,8-PeCDF	ng/kg	12	12	100%	5.43	10.6	7.32	7.85	1.70
2,3,4,6,7,8-HxCDF	ng/kg	12	12	100%	0.888	2.09	1.84	1.63	0.398
2,3,4,7,8-PeCDF	ng/kg	12	12	100%	13.9	24.2	20.7	19.9	3.27
2,3,7,8-TCDD	ng/kg	12	12	100%	69.6	165	102	106	28.2
2,3,7,8-TCDF	ng/kg	12	12	100%	23.9	39.1	31.4	31.7	5.55
OCDD	ng/kg	12	12	100%	2.5	20.4	6.13	7.31	4.43
OCDF	ng/kg	12	12	100%	0.352	1.77	0.843	0.944	0.449
Percent Lipid	%	12	12	100%	4.1	9.2	7.10	6.95	1.66
Metals									
Aluminum	mg/kg	12	7	58%	8.34	91.6	16.9	30.5	31.9
Arsenic	mg/kg	12	12	100%	1.7	4.37	2.32	2.55	0.814
Barium	mg/kg	12	12	100%	0.49	5.4	0.638	1.70	1.96
Cadmium	mg/kg	12	12	100%	0.165	1.53	0.599	0.687	0.374
Calcium	mg/kg	12	12	100%	2730	71200	3220	10300	19600
Chromium	mg/kg	12	9	75%	0.104	0.661	0.154	0.253	0.190
Cobalt	mg/kg	12	12	100%	0.159	0.342	0.233	0.232	0.0555
Copper	mg/kg	12	12	100%	33.9	74.7	54.8	52.5	11.7
Iron	mg/kg	12	12	100%	28.1	277	42.8	82.2	77.9
Lead	mg/kg	12	12	100%	0.0816	2.52	0.250	0.745	0.886
Magnesium	mg/kg	12	12	100%	490	1830	617	746	379
Manganese	mg/kg	12	12	100%	3.03	52.8	3.90	15.2	19.7
Mercury	ng/g	12	12	100%	52.4	100	62.5	71.7	19.8
Methyl Mercury	ng/g	12	12	100%	32.9	113	47.5	55.3	25.3
Nickel	mg/kg	12	12	100%	0.228	0.619	0.388	0.399	0.121
Potassium	mg/kg	12	12	100%	1760	4180	2440	2540	680
Selenium	mg/kg	12	12	100%	0.749	2.34	1.36	1.44	0.433
Silver	mg/kg	12	12	100%	1.0	2.59	1.61	1.66	0.446
Sodium	mg/kg	12	12	100%	3920	6250	4970	4800	703
Titanium	mg/kg	12	9	75%	0.196	2.3	0.428	0.591	0.661
Vanadium	mg/kg	12	12	100%	0.0931	0.449	0.119	0.176	0.115
Zinc	mg/kg	12	12	100%	22.6	69.4	31.9	38.2	15.5
PCB Congeners									
PCB-1	ng/kg	12	7	58%	5.25	54.4	6.84	13.7	18.0
PCB-2	ng/kg	12	1	8%	2.06	2.06	NA	NA	NA
PCB-3	ng/kg	8	1	13%	49.7	49.7	NA	NA	NA
PCB-4	ng/kg	12	9	75%	26	211	42.6	71.6	64.1
PCB-6	ng/kg	12	10	83%	12.6	91.5	30.4	37.3	26.1
PCB-7	ng/kg	12	2	17%	2.78	6.8	4.79	4.79	2.84
PCB-8	ng/kg	12	8	67%	71.8	280	120	132	64.3
PCB-9	ng/kg	12	2	17%	5.2	5.89	5.55	5.55	0.488
PCB-10	ng/kg	12	2	17%	9.33	18.3	13.8	13.8	6.34
PCB-11	ng/kg	12	12	100%	165	833	314	356	166
PCB-12/13	ng/kg	12	12	100%	40.2	208	109	116	45.0
PCB-15	ng/kg	12	12	100%	1800	6120	2640	2910	1180
PCB-16	ng/kg	12	7	58%	17.5	63.1	28.8	31.3	15.2
PCB-17	ng/kg	12	12	100%	78.9	356	166	180	78.8
PCB-18/30	ng/kg	12	12	100%	110	552	265	292	141
PCB-19	ng/kg	12	11	92%	9.35	43.6	16.1	18.2	9.93
PCB-20/28	ng/kg	12	12	100%	51000	157000	85100	90200	28200
PCB-21/33	ng/kg	12	12	100%	122	453	314	304	96.4
PCB-22	ng/kg	12	12	100%	141	626	496	449	135

Table 3-5
Statistical Summary of Detected Analytes in the North Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-25	ng/kg	12	12	100%	88.4	671	371	392	178
PCB-26/29	ng/kg	12	12	100%	110	948	349	416	238
PCB-27	ng/kg	12	12	100%	27	112	53.5	59.7	27.3
PCB-31	ng/kg	12	12	100%	392	3550	1630	1720	794
PCB-32	ng/kg	12	12	100%	116	737	324	350	166
PCB-34	ng/kg	12	12	100%	28.6	128	68.0	73.4	34.5
PCB-35	ng/kg	12	12	100%	12.9	62.9	46.6	45.1	14.6
PCB-36	ng/kg	12	12	100%	9.17	36.5	18.9	20.7	7.53
PCB-37	ng/kg	12	12	100%	5030	13000	7670	7860	2180
PCB-38	ng/kg	12	5	42%	34.3	94.8	82.4	68.3	26.1
PCB-39	ng/kg	12	12	100%	88.7	394	211	218	81.9
PCB-40/71	ng/kg	12	12	100%	709	3550	1990	1870	854
PCB-41	ng/kg	12	1	8%	11.6	11.6	NA	NA	NA
PCB-42	ng/kg	12	12	100%	179	1470	666	663	348
PCB-43	ng/kg	12	12	100%	47.2	213	115	119	58.5
PCB-44/47/65	ng/kg	12	12	100%	68900	119000	87000	91300	16200
PCB-45	ng/kg	12	7	58%	11.2	32.6	16.3	18.2	7.59
PCB-46	ng/kg	12	11	92%	7.45	30.5	14.3	16.6	7.06
PCB-48	ng/kg	12	12	100%	67.2	405	192	201	90.1
PCB-49/69	ng/kg	12	12	100%	330	2410	1170	1220	600
PCB-50/53	ng/kg	12	12	100%	34.8	193	92.3	103	47.6
PCB-51	ng/kg	12	12	100%	37.8	163	106	111	38.6
PCB-52	ng/kg	12	12	100%	408	2520	1080	1250	613
PCB-54	ng/kg	12	1	8%	2.35	2.35	NA	NA	NA
PCB-55	ng/kg	12	9	75%	64.6	366	141	157	89.2
PCB-56	ng/kg	12	12	100%	217	1790	970	1040	462
PCB-57	ng/kg	12	12	100%	15	82	39.2	41.8	19.3
PCB-58	ng/kg	12	12	100%	31.9	144	60.6	72.4	35.9
PCB-60	ng/kg	12	12	100%	9060	20000	13400	13800	2670
PCB-61/70/74/76	ng/kg	12	12	100%	57500	148000	101000	101000	20200
PCB-62/75	ng/kg	12	12	100%	4770	9430	6310	6370	1310
PCB-63	ng/kg	12	12	100%	627	2850	1640	1710	595
PCB-64	ng/kg	12	12	100%	314	3830	1390	1460	878
PCB-66	ng/kg	12	12	100%	97300	237000	158000	157000	36400
PCB-67	ng/kg	12	12	100%	223	482	386	360	91.8
PCB-68	ng/kg	12	12	100%	557	1710	998	1020	323
PCB-72	ng/kg	12	12	100%	128	584	301	335	148
PCB-73	ng/kg	12	11	92%	30.5	108	74.9	68.1	26.4
PCB-77	ng/kg	4	4	100%	6280	7800	7280	7160	719
PCB-79	ng/kg	12	12	100%	221	548	388	379	93.2
PCB-80	ng/kg	12	11	92%	19	41.3	24.3	25.7	6.32
PCB-81	ng/kg	12	12	100%	228	507	319	331	71.7
PCB-82	ng/kg	12	9	75%	37.8	125	51.1	62.8	28.2
PCB-83	ng/kg	12	6	50%	23.2	158	98.1	101	47.7
PCB-84	ng/kg	12	12	100%	97.7	345	192	198	76.3
PCB-85/116/117	ng/kg	12	12	100%	18300	42900	23300	25800	6960
PCB-86/87/97/109/119/125	ng/kg	12	12	100%	7700	18700	10300	11100	2960
PCB-88	ng/kg	12	1	8%	913	913	NA	NA	NA
PCB-89	ng/kg	12	5	42%	6.74	14.4	8.93	10.7	3.49
PCB-90/101/113	ng/kg	12	12	100%	2750	9220	5400	5750	2080
PCB-91	ng/kg	12	12	100%	284	1350	726	753	336
PCB-92	ng/kg	12	12	100%	307	1040	644	641	262
PCB-93/100	ng/kg	12	12	100%	4000	18300	5910	6840	4100
PCB-94	ng/kg	12	12	100%	63.8	237	160	156	53.2
PCB-95	ng/kg	11	11	100%	476	1910	1030	1090	509
PCB-98/102	ng/kg	12	12	100%	76.7	259	168	164	66.4
PCB-99	ng/kg	12	12	100%	81200	188000	122000	129000	32600
PCB-103	ng/kg	12	11	92%	14.8	94.3	35.9	42.1	22.0
PCB-104	ng/kg	12	5	42%	8.54	16	9.42	10.9	3.18
PCB-105	ng/kg	12	12	100%	28300	55700	41000	42100	8260
PCB-107	ng/kg	12	12	100%	5210	20900	8560	9490	4110
PCB-108/124	ng/kg	12	11	92%	87	556	233	264	135

Table 3-5
Statistical Summary of Detected Analytes in the North Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-110/115	ng/kg	12	12	100%	3440	11400	5970	6670	2480
PCB-111	ng/kg	12	12	100%	115	297	176	190	46.7
PCB-112	ng/kg	12	5	42%	60.1	112	67.5	81.2	23.6
PCB-114	ng/kg	12	12	100%	2360	4960	3440	3480	706
PCB-118	ng/kg	12	12	100%	121000	248000	181000	187000	36600
PCB-120	ng/kg	12	12	100%	769	1800	1120	1170	273
PCB-121	ng/kg	12	12	100%	89.1	298	145	146	55.6
PCB-122	ng/kg	12	7	58%	22	79.8	43.8	51.4	25.0
PCB-123	ng/kg	12	12	100%	2190	4430	3050	3220	668
PCB-126	ng/kg	12	12	100%	284	570	355	377	86.9
PCB-127	ng/kg	12	12	100%	123	270	186	181	50.1
PCB-128/166	ng/kg	12	12	100%	9740	19200	14300	14300	2650
PCB-129/138/163	ng/kg	12	12	100%	98000	202000	131000	138000	31700
PCB-130	ng/kg	11	11	100%	1010	2720	2100	1910	532
PCB-131	ng/kg	9	9	100%	45.7	106	69.9	77.2	23.2
PCB-132	ng/kg	10	9	90%	66.6	214	140	139	47.9
PCB-133	ng/kg	12	12	100%	2080	3990	2930	2930	605
PCB-134	ng/kg	10	10	100%	26	72	46.5	45.5	12.6
PCB-135/151	ng/kg	12	12	100%	441	1250	721	776	238
PCB-136	ng/kg	12	12	100%	41.2	150	68.7	71.2	27.7
PCB-137	ng/kg	11	11	100%	5490	8870	7260	6940	1230
PCB-139/140	ng/kg	12	12	100%	1970	3550	2750	2810	527
PCB-141	ng/kg	12	12	100%	230	702	477	468	156
PCB-143	ng/kg	10	1	10%	17.6	17.6	NA	NA	NA
PCB-144	ng/kg	11	11	100%	130	312	204	208	62.1
PCB-146	ng/kg	8	8	100%	19800	35100	26100	26800	5670
PCB-147/149	ng/kg	12	12	100%	2650	9340	5980	6070	1980
PCB-148	ng/kg	12	12	100%	333	811	611	608	154
PCB-150	ng/kg	12	9	75%	7.57	18.4	10.0	11.6	3.91
PCB-152	ng/kg	12	2	17%	4.38	8.71	6.55	6.55	3.06
PCB-153/168	ng/kg	12	12	100%	159000	284000	198000	211000	41400
PCB-154	ng/kg	11	11	100%	3880	7780	5600	5670	1280
PCB-155	ng/kg	12	12	100%	1300	3140	1820	1850	475
PCB-156/157	ng/kg	12	12	100%	10200	19300	14500	14200	2660
PCB-158	ng/kg	12	12	100%	10500	17000	13200	13400	2350
PCB-159	ng/kg	12	12	100%	35	82.2	54.8	57.2	18.9
PCB-161	ng/kg	9	2	22%	22.6	24.4	23.5	23.5	1.27
PCB-162	ng/kg	12	9	75%	529	975	671	694	145
PCB-164	ng/kg	12	12	100%	103	459	325	328	110
PCB-165	ng/kg	8	8	100%	79.6	192	126	131	35.9
PCB-167	ng/kg	12	12	100%	4520	8180	5830	5920	1170
PCB-169	ng/kg	12	6	50%	10.7	207	19.1	48.9	77.6
PCB-170	ng/kg	12	12	100%	11100	22700	15200	15800	3190
PCB-171/173	ng/kg	4	4	100%	5920	10300	7410	7760	1850
PCB-172	ng/kg	12	12	100%	3150	5770	4240	4270	746
PCB-174	ng/kg	4	4	100%	277	564	420	420	131
PCB-175	ng/kg	7	7	100%	1010	1650	1230	1300	240
PCB-176	ng/kg	12	12	100%	52	148	93.8	102	28.7
PCB-177	ng/kg	5	5	100%	3560	5880	4140	4420	943
PCB-178	ng/kg	8	8	100%	5530	11900	8160	8570	2210
PCB-179	ng/kg	12	12	100%	60.8	168	110	108	32.8
PCB-180/193	ng/kg	12	12	100%	50100	99000	68700	72000	14900
PCB-181	ng/kg	4	4	100%	267	486	349	363	94.9
PCB-182	ng/kg	4	4	100%	246	459	331	342	97.9
PCB-183/185	ng/kg	4	4	100%	20400	36200	26200	27300	6800
PCB-184	ng/kg	12	12	100%	175	361	226	243	56.9
PCB-187	ng/kg	5	5	100%	47300	70300	51000	56600	10600
PCB-188	ng/kg	12	12	100%	277	741	323	367	128
PCB-189	ng/kg	12	12	100%	804	1480	1100	1110	216
PCB-190	ng/kg	12	12	100%	839	6750	3840	3710	1640
PCB-191	ng/kg	12	12	100%	871	1460	1070	1090	172
PCB-192	ng/kg	12	9	75%	12.5	29.3	21.9	20.7	5.02

Table 3-5
Statistical Summary of Detected Analytes in the North Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-194	ng/kg	12	12	100%	6600	15000	9170	9480	2290
PCB-195	ng/kg	12	12	100%	1510	3510	2250	2310	527
PCB-196	ng/kg	12	12	100%	4380	11100	6970	7210	2030
PCB-197/200	ng/kg	10	10	100%	603	1170	822	840	179
PCB-198/199	ng/kg	12	11	92%	8560	25200	15200	16300	5060
PCB-201	ng/kg	12	12	100%	1780	3780	2310	2410	603
PCB-202	ng/kg	12	12	100%	3770	8230	5040	5070	1310
PCB-203	ng/kg	12	12	100%	6480	13500	8510	9130	2480
PCB-204	ng/kg	12	12	100%	21.9	58.2	34.9	38.5	11.7
PCB-205	ng/kg	12	12	100%	107	261	169	181	45.0
PCB-206	ng/kg	12	12	100%	3880	7670	5170	5340	1190
PCB-207	ng/kg	12	12	100%	621	1190	782	834	161
PCB-208	ng/kg	12	12	100%	2080	4310	2890	2920	592
PCB-209	ng/kg	11	11	100%	2390	4680	3410	3360	658
Total PCB Congeners (209)	ng/kg	12	12	100%	1150000	2100000	1610000	1580000	270000
Aroclor PCBs									
Aroclor-1262	ug/kg	12	11	92%	180	410	230	251	60.9
Pesticides									
2,4'-DDD	pg/g	12	12	100%	81.3	336	158	167	71.2
2,4'-DDE	pg/g	12	12	100%	233	622	361	368	103
2,4'-DDT	pg/g	12	11	92%	61.4	207	99.8	111	43.0
4,4'-DDD	pg/g	12	12	100%	20400	213000	67100	77100	51800
4,4'-DDE	pg/g	12	12	100%	108000	571000	231000	243000	121000
4,4'-DDT	pg/g	12	12	100%	304	1340	656	690	291
Aldrin	pg/g	12	3	25%	5.81	16.1	13.7	11.9	5.38
Alpha-BHC	pg/g	11	11	100%	39.9	132	77.3	77.4	26.6
Alpha-Chlordane	pg/g	12	12	100%	1800	11500	6470	6780	2990
Beta-BHC	pg/g	12	12	100%	153	551	278	291	108
cis-Nonachlor	pg/g	12	12	100%	13500	40900	19200	21400	7300
Delta-BHC	pg/g	10	2	20%	19.6	19.9	19.8	19.8	0.212
Dieldrin	pg/g	11	11	100%	4710	30500	25600	19600	10100
Endrin Aldehyde	pg/g	3	1	33%	145	145	NA	NA	NA
Gamma-BHC (Lindane)	pg/g	12	9	75%	25.5	57	32.1	33.8	9.26
Heptachlor	pg/g	12	1	8%	3.5	3.5	NA	NA	NA
Heptachlor Epoxide	pg/g	12	12	100%	8960	38800	13400	15400	7760
Hexachlorobenzene	pg/g	12	12	100%	2570	8580	3940	4420	1610
Methoxychlor	pg/g	6	1	17%	13.9	13.9	NA	NA	NA
Mirex	pg/g	12	12	100%	382	1160	574	615	208
Nonachlor, trans-	pg/g	12	12	100%	19600	85400	38400	43800	19800
Oxychlordane	pg/g	12	12	100%	33800	124000	58600	63300	24700
trans-Chlordane	pg/g	12	12	100%	524	1610	901	915	277
trans-Heptachlor Epoxide	pg/g	12	12	100%	1960	8760	3830	4020	1830
Total Alpha + Gamma Chlordane	ppb	12	12	100%	2.4	13	7.45	7.68	3.09
Total DDT (2,4)	ppb	12	12	100%	0.4	1.2	0.615	0.641	0.213
Total DDT (4,4)	ppb	12	12	100%	130	780	310	320	170
Total DDT (2,4 & 4,4)	ppb	12	12	100%	130	790	310	321	173
Semivolatiles									
1-Methylnaphthalene	ug/kg	12	6	50%	3.1	28	5.55	8.70	9.56
2-Methylnaphthalene	ug/kg	12	9	75%	2.9	37	5.60	8.70	10.7
Acenaphthene	ug/kg	12	11	92%	14	110	22.0	34.9	29.5
Acenaphthylene	ug/kg	12	6	50%	3.7	5.8	4.00	4.35	0.812
Acetophenone	ug/kg	12	1	8%	120	120	NA	NA	NA
Anthracene	ug/kg	12	10	83%	2.6	8.3	4.30	4.81	1.99
Benzaldehyde	ug/kg	12	11	92%	730	5200	1900	2710	1500
Benzo(a)anthracene	ug/kg	12	7	58%	2.6	5.4	4.20	4.16	1.20
Benzo(b)fluoranthene	ug/kg	12	2	17%	2.7	3.3	3.00	3.00	0.424
Benzo(e)pyrene	ug/kg	12	1	8%	2.8	2.8	NA	NA	NA
Benzo(g,h,i)perylene	ug/kg	12	2	17%	2.8	19	10.9	10.9	11.5
Benzo(j,k)fluoranthene	ug/kg	12	1	8%	3.6	3.6	NA	NA	NA
Benzoic Acid	ug/kg	12	5	42%	5100	11000	6100	6980	2380
C1-Fluorenes	ug/kg	12	1	8%	5.6	5.6	NA	NA	NA
C1-Naphthalenes	ug/kg	12	9	75%	10	60	14.0	19.3	15.8

Table 3-5
Statistical Summary of Detected Analytes in the North Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C1-Phenanthrenes/Anthracenes	ug/kg	12	1	8%	3.1	3.1	NA	NA	NA
C2-Fluorenes	ug/kg	12	1	8%	51	51	NA	NA	NA
C2-Naphthalenes	ug/kg	12	6	50%	9.2	48	19.5	21.7	14.2
C2-Phenanthrene/anthracenes	ug/kg	12	1	8%	16	16	NA	NA	NA
C3-Fluorenes	ug/kg	12	1	8%	22	22	NA	NA	NA
C3-Naphthalene	ug/kg	12	2	17%	6.1	14	10.1	10.1	5.59
C3-Phenanthrene/anthracenes	ug/kg	12	1	8%	4.7	4.7	NA	NA	NA
C4-Naphthalene	ug/kg	12	1	8%	14	14	NA	NA	NA
Chrysene	ug/kg	12	8	67%	3.5	14	5.95	6.61	3.25
Dibenzo(a,h)anthracene	ug/kg	12	2	17%	2.6	4.3	3.45	3.45	1.20
Fluoranthene	ug/kg	12	11	92%	6.5	44	14.0	15.8	10.9
Fluorene	ug/kg	12	1	8%	3.4	3.4	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	12	1	8%	520	520	NA	NA	NA
Naphthalene	ug/kg	12	9	75%	2.9	30	5.30	7.79	8.56
Perylene	ug/kg	12	4	33%	4.3	9.1	4.40	5.55	2.37
Phenanthrene	ug/kg	12	10	83%	3.2	24	6.20	8.82	6.79
Phenol	ug/kg	12	1	8%	180	180	NA	NA	NA
Pyrene	ug/kg	12	11	92%	5.8	40	11.0	13.5	9.85
Pyridine	ug/kg	12	2	17%	410	700	555	555	205
Total HMW PAHs	ppb	12	11	92%	12	580	36.0	87.4	165
Total LMW PAHs	ppb	12	11	92%	23	200	46.0	63.4	52.2
TOTAL PAHs	ppb	12	11	92%	36	650	90.0	151	182
Physical Properties[2]									
Percent Moisture	%	12	12	100%	65.3	78.9	70.7	72.0	4.51
Water Content ASTM D2216	%	12	12	100%	188	375	241	266	62.0

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-6
Statistical Summary of Detected Analytes in the Central Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	12	12	100%	1.21	2.71	2.15	2.01	0.498
1,2,3,4,6,7,8-HpCDF	ng/kg	12	12	100%	4.74	22	14.1	13.6	5.28
1,2,3,4,7,8,9-HpCDF	ng/kg	12	3	25%	0.109	0.265	0.152	0.175	0.0806
1,2,3,4,7,8-HxCDD	ng/kg	12	12	100%	0.286	0.926	0.655	0.647	0.200
1,2,3,4,7,8-HxCDF	ng/kg	12	12	100%	4.3	20.2	12.4	13.0	5.46
1,2,3,6,7,8-HxCDD	ng/kg	12	12	100%	1.16	2.5	2.11	1.94	0.473
1,2,3,6,7,8-HxCDF	ng/kg	12	12	100%	1.89	6.94	4.82	4.68	1.57
1,2,3,7,8,9-HxCDD	ng/kg	12	12	100%	0.35	1.01	0.746	0.682	0.210
1,2,3,7,8,9-HxCDF	ng/kg	12	11	92%	0.0525	0.192	0.127	0.114	0.0406
1,2,3,7,8-PeCDD	ng/kg	12	10	83%	1.2	3.15	2.40	2.32	0.625
1,2,3,7,8-PeCDF	ng/kg	12	12	100%	4.3	9.95	6.74	7.05	1.81
2,3,4,6,7,8-HxCDF	ng/kg	12	12	100%	0.561	1.47	1.06	1.04	0.344
2,3,4,7,8-PeCDF	ng/kg	12	12	100%	8.63	21.8	18.4	16.7	4.56
2,3,7,8-TCDD	ng/kg	12	12	100%	44.4	132	84.8	83.4	26.4
2,3,7,8-TCDF	ng/kg	12	12	100%	19.7	45.5	30.4	32.2	7.87
OCDD	ng/kg	12	12	100%	3.75	5.93	4.79	4.75	0.587
OCDF	ng/kg	12	12	100%	0.313	0.578	0.434	0.440	0.0881
Percent Lipid	%	12	12	100%	3.5	10.4	7.45	7.20	2.51
Metals									
Aluminum	mg/kg	12	5	42%	6.68	80.6	8.49	23.7	32.0
Arsenic	mg/kg	12	12	100%	0.77	3.83	3.20	2.97	0.877
Barium	mg/kg	12	11	92%	0.197	6.4	0.601	1.25	1.79
Cadmium	mg/kg	12	11	92%	0.487	2.99	1.09	1.27	0.708
Calcium	mg/kg	12	12	100%	2410	24200	4620	9380	7720
Chromium	mg/kg	12	5	42%	0.126	0.736	0.208	0.291	0.251
Cobalt	mg/kg	12	12	100%	0.126	0.283	0.178	0.180	0.0433
Copper	mg/kg	12	12	100%	3.55	114	46.4	50.2	28.6
Iron	mg/kg	12	12	100%	21.6	165	38.6	56.3	39.8
Lead	mg/kg	12	12	100%	0.079	0.65	0.146	0.235	0.180
Magnesium	mg/kg	12	12	100%	411	2020	578	815	494
Manganese	mg/kg	12	12	100%	2.25	28.1	4.53	8.44	8.21
Mercury	ng/g	12	12	100%	47.3	134	66.7	73.8	26.5
Methyl Mercury	ng/g	12	12	100%	30.4	87.8	52.6	58.1	18.8
Nickel	mg/kg	12	11	92%	0.206	1.2	0.323	0.416	0.275
Potassium	mg/kg	12	12	100%	2400	3700	2970	2970	393
Selenium	mg/kg	12	12	100%	0.71	2.5	1.78	1.76	0.424
Silver	mg/kg	12	12	100%	0.0686	3.87	1.41	1.58	1.00
Sodium	mg/kg	12	12	100%	1640	6020	3970	4130	1080
Titanium	mg/kg	12	11	92%	0.167	0.532	0.283	0.308	0.132
Vanadium	mg/kg	12	12	100%	0.0678	0.241	0.0999	0.128	0.0589
Zinc	mg/kg	12	12	100%	23.6	78.5	37.3	45.5	20.6
Butyltins									
Monobutyltin	ug/kg	12	1	8%	20	20	NA	NA	NA
PCB Congeners									
PCB-1	ng/kg	12	2	17%	5.41	12.7	9.06	9.06	5.15
PCB-2	ng/kg	12	2	17%	1.64	1.89	1.77	1.77	0.177
PCB-3	ng/kg	9	2	22%	4.4	5	4.70	4.70	0.424
PCB-4	ng/kg	12	12	100%	29.6	234	54.7	96.3	74.4
PCB-6	ng/kg	12	5	42%	12.3	31.8	17.5	20.3	7.50
PCB-7	ng/kg	12	3	25%	2.62	3.22	2.63	2.82	0.344
PCB-8	ng/kg	12	9	75%	37.9	116	93.5	77.1	29.3
PCB-9	ng/kg	12	4	33%	3.68	4.06	4.02	3.95	0.179
PCB-10	ng/kg	12	7	58%	3.12	43.2	17.8	17.6	14.2
PCB-11	ng/kg	12	10	83%	244	477	381	373	87.9
PCB-12/13	ng/kg	12	9	75%	50.6	98.9	69.0	69.0	17.3
PCB-15	ng/kg	12	12	100%	940	3790	1660	2020	923
PCB-16	ng/kg	12	6	50%	18.5	76.8	32.7	37.2	21.3
PCB-17	ng/kg	12	11	92%	97.8	359	215	227	83.4
PCB-18/30	ng/kg	12	11	92%	158	546	354	369	124
PCB-19	ng/kg	12	11	92%	11.2	75.7	28.4	33.8	21.7

Table 3-6
Statistical Summary of Detected Analytes in the Central Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-20/28	ng/kg	12	12	100%	23900	137000	45100	62900	34800
PCB-21/33	ng/kg	12	12	100%	137	411	200	238	90.5
PCB-22	ng/kg	12	12	100%	210	837	388	428	177
PCB-25	ng/kg	12	12	100%	160	472	254	275	97.6
PCB-26/29	ng/kg	12	12	100%	245	553	375	383	100
PCB-27	ng/kg	12	12	100%	51.1	182	91.4	99.0	42.3
PCB-31	ng/kg	12	12	100%	837	2760	1640	1660	597
PCB-32	ng/kg	12	12	100%	219	531	413	395	112
PCB-34	ng/kg	12	12	100%	35.1	72.2	44.0	48.0	12.4
PCB-35	ng/kg	12	9	75%	20.5	45	33.6	32.8	8.92
PCB-36	ng/kg	12	9	75%	8.58	37.6	21.3	21.7	8.92
PCB-37	ng/kg	12	12	100%	2100	10600	4460	5550	2660
PCB-38	ng/kg	12	4	33%	19	95.3	27.3	42.2	35.7
PCB-39	ng/kg	12	12	100%	66.8	313	107	135	70.1
PCB-40/71	ng/kg	12	12	100%	1180	4500	1690	2000	881
PCB-41	ng/kg	12	5	42%	7.67	24.9	23.2	20.6	7.29
PCB-42	ng/kg	12	12	100%	292	1440	685	725	336
PCB-43	ng/kg	12	12	100%	51.2	233	104	112	43.3
PCB-44/47/65	ng/kg	12	12	100%	32700	109000	66300	68900	22000
PCB-45	ng/kg	12	10	83%	11.6	46.6	22.0	23.9	10.2
PCB-46	ng/kg	12	12	100%	12.6	43.1	21.4	22.6	9.24
PCB-48	ng/kg	12	11	92%	93.6	381	206	223	72.5
PCB-49/69	ng/kg	12	11	92%	652	3330	1510	1760	861
PCB-50/53	ng/kg	12	12	100%	70.7	322	143	163	77.8
PCB-51	ng/kg	12	12	100%	60.3	231	127	129	44.8
PCB-52	ng/kg	12	11	92%	818	4470	1460	1900	1020
PCB-54	ng/kg	12	1	8%	2.35	2.35	NA	NA	NA
PCB-55	ng/kg	12	7	58%	63.5	261	148	148	72.9
PCB-56	ng/kg	12	12	100%	436	1910	826	967	459
PCB-57	ng/kg	12	12	100%	33.7	98.8	40.3	45.7	18.1
PCB-58	ng/kg	12	12	100%	23.5	167	52.8	66.9	46.3
PCB-60	ng/kg	12	12	100%	4980	18900	8500	10000	4260
PCB-61/70/74/76	ng/kg	12	12	100%	35600	120000	74000	76900	28500
PCB-62/75	ng/kg	12	12	100%	2190	7030	4730	4790	1500
PCB-63	ng/kg	12	12	100%	768	2450	1080	1280	562
PCB-64	ng/kg	12	12	100%	632	2780	1600	1550	670
PCB-66	ng/kg	12	12	100%	50600	175000	113000	115000	42300
PCB-67	ng/kg	12	12	100%	154	437	257	268	82.8
PCB-68	ng/kg	12	12	100%	414	1520	740	799	337
PCB-72	ng/kg	12	12	100%	185	680	276	314	130
PCB-73	ng/kg	12	10	83%	38.8	114	69.3	72.3	25.8
PCB-77	ng/kg	6	6	100%	2410	9490	5570	5730	2560
PCB-79	ng/kg	12	12	100%	144	511	257	291	120
PCB-80	ng/kg	12	12	100%	13.1	40.8	20.5	22.1	8.77
PCB-81	ng/kg	12	12	100%	134	446	219	255	92.5
PCB-82	ng/kg	12	8	67%	50.4	193	98.4	111	43.5
PCB-83	ng/kg	12	5	42%	44.4	154	82.0	96.0	47.1
PCB-84	ng/kg	12	12	100%	149	492	208	238	86.6
PCB-85/116/117	ng/kg	12	12	100%	9760	67600	20100	23500	14800
PCB-86/87/97/109/119/125	ng/kg	12	12	100%	4640	28900	9330	10700	6140
PCB-89	ng/kg	12	10	83%	8.74	22.2	11.0	13.0	4.93
PCB-90/101/113	ng/kg	12	12	100%	3360	13200	5680	6430	2690
PCB-91	ng/kg	12	12	100%	433	1500	776	809	289
PCB-92	ng/kg	12	12	100%	474	1490	911	911	340
PCB-93/100	ng/kg	12	12	100%	2330	13700	4440	5310	3000
PCB-94	ng/kg	12	12	100%	110	344	152	162	65.5
PCB-95	ng/kg	8	8	100%	640	1500	1270	1220	278
PCB-96	ng/kg	12	6	50%	1.63	2.69	2.17	2.16	0.472
PCB-98/102	ng/kg	12	12	100%	103	335	159	168	65.2
PCB-99	ng/kg	12	12	100%	47500	296000	97100	118000	64300
PCB-103	ng/kg	12	12	100%	26	113	48.6	58.4	29.8
PCB-104	ng/kg	12	9	75%	5.23	8.9	6.95	6.84	1.05

Table 3-6
Statistical Summary of Detected Analytes in the Central Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-105	ng/kg	12	12	100%	13500	52900	29400	31300	12500
PCB-107	ng/kg	12	12	100%	3660	33200	7210	9250	7950
PCB-108/124	ng/kg	12	12	100%	159	885	248	307	192
PCB-110/115	ng/kg	12	12	100%	3730	19800	6330	7630	4090
PCB-111	ng/kg	12	12	100%	90.6	586	180	213	129
PCB-112	ng/kg	12	5	42%	51.9	128	101	90.2	33.6
PCB-114	ng/kg	12	12	100%	1390	4190	2550	2680	847
PCB-118	ng/kg	11	11	100%	71800	225000	135000	148000	48900
PCB-120	ng/kg	12	12	100%	453	3220	981	1140	715
PCB-121	ng/kg	12	12	100%	61.5	346	110	133	74.4
PCB-122	ng/kg	12	8	67%	22.4	241	35.4	63.9	72.7
PCB-123	ng/kg	12	12	100%	1400	3750	2500	2590	834
PCB-126	ng/kg	12	11	92%	140	430	306	294	102
PCB-127	ng/kg	12	12	100%	68.4	265	118	138	63.3
PCB-128/166	ng/kg	12	12	100%	6440	17500	10300	11300	3400
PCB-129/138/163	ng/kg	12	12	100%	61200	202000	109000	112000	37200
PCB-130	ng/kg	11	11	100%	1210	2460	1610	1700	392
PCB-131	ng/kg	10	10	100%	37.7	101	67.1	66.4	18.9
PCB-132	ng/kg	11	10	91%	103	610	241	257	146
PCB-133	ng/kg	12	12	100%	1850	4370	2910	2940	806
PCB-134	ng/kg	11	11	100%	34.4	106	53.5	68.4	25.5
PCB-135/151	ng/kg	12	12	100%	566	1990	937	1040	395
PCB-136	ng/kg	12	12	100%	36.3	138	87.1	85.1	28.2
PCB-137	ng/kg	11	11	100%	3190	8030	5100	5450	1480
PCB-139/140	ng/kg	12	12	100%	1250	3650	2110	2280	751
PCB-141	ng/kg	12	12	100%	317	711	495	505	121
PCB-143	ng/kg	11	2	18%	4.45	5.61	5.03	5.03	0.820
PCB-144	ng/kg	11	10	91%	83.7	294	199	190	65.2
PCB-146	ng/kg	7	7	100%	12400	32300	24100	22900	7970
PCB-147/149	ng/kg	12	12	100%	3080	7470	5940	5530	1420
PCB-148	ng/kg	12	12	100%	297	869	548	548	157
PCB-150	ng/kg	12	11	92%	5.28	19.1	10.6	11.6	4.50
PCB-152	ng/kg	12	6	50%	2.52	4.12	3.45	3.41	0.646
PCB-153/168	ng/kg	12	12	100%	93400	261000	181000	174000	45100
PCB-154	ng/kg	11	11	100%	2340	7370	4510	4790	1480
PCB-155	ng/kg	12	12	100%	865	2040	1390	1420	345
PCB-156/157	ng/kg	12	12	100%	6000	19500	11500	11900	3860
PCB-158	ng/kg	12	11	92%	6430	16200	9870	10800	3070
PCB-159	ng/kg	12	10	83%	18.3	77.3	56.5	48.5	20.1
PCB-160	ng/kg	12	1	8%	48.8	48.8	NA	NA	NA
PCB-161	ng/kg	10	3	30%	6.15	19.5	17.8	14.5	7.27
PCB-162	ng/kg	10	9	90%	443	1190	653	718	234
PCB-164	ng/kg	12	12	100%	174	475	345	331	97.3
PCB-165	ng/kg	6	6	100%	95.1	218	123	142	48.4
PCB-167	ng/kg	12	12	100%	2630	7740	5330	5040	1520
PCB-169	ng/kg	12	3	25%	7.99	17.2	8.79	11.3	5.10
PCB-170	ng/kg	12	12	100%	5760	16900	10500	11000	3100
PCB-171/173	ng/kg	3	3	100%	3030	7480	4190	4900	2310
PCB-172	ng/kg	12	12	100%	1340	5470	3020	3140	1200
PCB-174	ng/kg	6	6	100%	274	731	427	483	181
PCB-175	ng/kg	8	8	100%	587	1720	971	1050	353
PCB-176	ng/kg	12	12	100%	50.4	121	97.8	91.9	24.0
PCB-177	ng/kg	3	3	100%	2690	3730	2900	3110	550
PCB-178	ng/kg	11	11	100%	4300	11700	7480	7910	2170
PCB-179	ng/kg	12	12	100%	81.9	332	129	157	72.1
PCB-180/193	ng/kg	12	12	100%	30500	81800	55700	56900	15400
PCB-181	ng/kg	2	2	100%	231	329	280	280	69.3
PCB-182	ng/kg	5	5	100%	133	345	205	225	77.4
PCB-183/185	ng/kg	9	9	100%	11600	36300	17000	19700	7700
PCB-184	ng/kg	12	12	100%	98.8	342	180	199	73.9
PCB-187	ng/kg	5	5	100%	24200	58500	44700	42200	13300
PCB-188	ng/kg	12	12	100%	242	518	368	365	80.4

Table 3-6
Statistical Summary of Detected Analytes in the Central Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-189	ng/kg	12	12	100%	414	1480	787	830	306
PCB-190	ng/kg	12	12	100%	1930	4180	3030	3070	807
PCB-191	ng/kg	12	12	100%	479	1530	833	873	270
PCB-192	ng/kg	12	10	83%	5.39	21.1	12.6	12.6	5.24
PCB-194	ng/kg	12	12	100%	4260	9620	6710	6840	1750
PCB-195	ng/kg	12	12	100%	878	2430	1430	1530	499
PCB-196	ng/kg	12	12	100%	3120	8040	5180	5420	1380
PCB-197/200	ng/kg	9	9	100%	344	1080	645	699	239
PCB-198/199	ng/kg	12	12	100%	7190	19400	12100	12800	3300
PCB-201	ng/kg	12	12	100%	1090	3450	1930	2070	653
PCB-202	ng/kg	12	12	100%	3200	7810	5100	5250	1280
PCB-203	ng/kg	12	12	100%	1860	10700	6380	6450	2280
PCB-204	ng/kg	12	12	100%	12.5	52.3	21.8	26.2	12.9
PCB-205	ng/kg	12	12	100%	59.7	200	101	111	42.6
PCB-206	ng/kg	12	12	100%	3030	6450	4500	4720	956
PCB-207	ng/kg	12	12	100%	418	980	670	701	159
PCB-208	ng/kg	12	12	100%	1500	4000	2510	2620	710
PCB-209	ng/kg	11	11	100%	1970	4490	3150	3190	771
Total PCB Congeners (209)	ng/kg	12	12	100%	658000	1850000	1220000	1260000	363000
Aroclor PCBs									
Aroclor-1262	ug/kg	12	8	67%	140	480	230	254	111
Pesticides									
2,4'-DDD	pg/g	12	12	100%	142	1840	288	426	459
2,4'-DDE	pg/g	12	12	100%	423	1200	641	673	238
2,4'-DDT	pg/g	12	9	75%	47.9	303	171	165	90.3
4,4'-DDD	pg/g	12	12	100%	36000	98200	62700	67000	23600
4,4'-DDE	pg/g	12	12	100%	135000	354000	241000	238000	72300
4,4'-DDT	pg/g	12	12	100%	234	2190	660	903	588
Aldrin	pg/g	12	1	8%	8.92	8.92	NA	NA	NA
Alpha-BHC	pg/g	12	12	100%	65.9	141	91.6	93.8	25.3
Alpha-Chlordane	pg/g	12	11	92%	1060	10600	6460	6360	3430
Beta-BHC	pg/g	12	12	100%	145	404	215	227	78.1
cis-Nonachlor	pg/g	12	12	100%	11700	22200	16600	16300	3360
Dieldrin	pg/g	12	12	100%	9050	34000	20000	21000	8190
Endosulfan I	pg/g	11	1	9%	25	25	NA	NA	NA
Gamma-BHC (Lindane)	pg/g	12	9	75%	18.9	48.5	27.1	30.1	10.3
Heptachlor	pg/g	12	1	8%	1.58	1.58	NA	NA	NA
Heptachlor Epoxide	pg/g	12	12	100%	5100	15300	10700	10400	2790
Hexachlorobenzene	pg/g	12	12	100%	1770	4770	2940	2880	940
Mirex	pg/g	12	12	100%	458	971	632	678	167
Nonachlor, trans-	pg/g	12	12	100%	5560	41000	31200	28200	10000
Oxychlordane	pg/g	12	12	100%	33300	57500	43600	46100	6460
trans-Chlordane	pg/g	8	8	100%	636	1570	948	990	326
trans-Heptachlor Epoxide	pg/g	12	12	100%	1130	4910	3220	3140	1030
Total Alpha + Gamma Chlordane	ppb	12	11	92%	1.1	12	7.70	7.07	3.77
Total DDT (2,4)	ppb	12	12	100%	0.6	3.3	0.990	1.22	0.714
Total DDT (4,4)	ppb	12	12	100%	170	450	310	304	94.8
Total DDT (2,4 & 4,4)	ppb	12	12	100%	170	450	310	305	95.4
Semivolatiles									
1-Methylnaphthalene	ug/kg	12	1	8%	6.5	6.5	NA	NA	NA
2-Methylnaphthalene	ug/kg	12	6	50%	3.3	12	5.05	5.93	3.26
Acenaphthene	ug/kg	12	12	100%	4.7	13	6.95	7.60	2.59
Acenaphthylene	ug/kg	12	3	25%	2.7	3.2	2.80	2.90	0.265
Acetophenone	ug/kg	11	1	9%	1200	1200	NA	NA	NA
Anthracene	ug/kg	12	8	67%	2.6	4.4	3.40	3.48	0.676
Benzaldehyde	ug/kg	11	6	55%	800	4000	3650	3050	1270
Benzo(a)anthracene	ug/kg	12	1	8%	2.9	2.9	NA	NA	NA
Benzo(a)pyrene	ug/kg	12	2	17%	3.9	4.3	4.10	4.10	0.283
Benzo(e)pyrene	ug/kg	12	2	17%	3.1	4.3	3.70	3.70	0.849
Benzo(g,h,i)perylene	ug/kg	12	1	8%	4.2	4.2	NA	NA	NA
Benzoic Acid	ug/kg	11	5	45%	2300	12000	3700	5280	3870

Table 3-6
Statistical Summary of Detected Analytes in the Central Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C1-Fluorenes	ug/kg	12	1	8%	2.7	2.7	NA	NA	NA
C1-Naphthalenes	ug/kg	12	7	58%	6.2	19	9.20	10.2	4.31
C1-Phenanthrenes/Anthracenes	ug/kg	12	2	17%	8.9	21	15.0	15.0	8.56
C2-Chrysenes	ug/kg	12	1	8%	5.9	5.9	NA	NA	NA
C2-Fluorenes	ug/kg	12	2	17%	85	150	118	118	46.0
C2-Naphthalenes	ug/kg	12	4	33%	5.7	15	8.20	9.28	4.11
C2-Phenanthrene/anthracenes	ug/kg	12	2	17%	21	38	29.5	29.5	12.0
C3-Fluorenes	ug/kg	12	2	17%	6.5	14	10.3	10.3	5.30
C4-Naphthalene	ug/kg	12	1	8%	4.1	4.1	NA	NA	NA
C4-Phenanthrenes/anthracenes	ug/kg	12	1	8%	12	12	NA	NA	NA
Chrysene	ug/kg	12	3	25%	2.8	4.8	4.10	3.90	1.01
Fluoranthene	ug/kg	12	11	92%	4.1	14	7.60	7.94	3.12
Indeno(1,2,3-cd)pyrene	ug/kg	12	1	8%	500	500	NA	NA	NA
Naphthalene	ug/kg	12	3	25%	2.9	5.1	3.00	3.67	1.24
Perylene	ug/kg	12	6	50%	3.7	7.7	4.15	4.93	1.59
Phenanthrene	ug/kg	12	6	50%	2.7	6.8	3.40	4.13	1.69
Phenol	ug/kg	11	1	9%	300	300	NA	NA	NA
Pyrene	ug/kg	12	12	100%	2.7	12	5.15	5.92	2.72
Pyridine	ug/kg	11	2	18%	850	850	850	850	0
Total HMW PAHs	ppb	12	12	100%	2.7	520	14.0	57.3	146
Total LMW PAHs	ppb	12	12	100%	4.7	31	17.5	16.7	8.93
TOTAL PAHs	ppb	12	12	100%	7.8	540	29.5	74.0	148
Physical Properties[2]									
Percent Moisture	%	12	12	100%	66.3	73.8	69.3	69.6	2.00
Water Content ASTM D2216	%	12	12	100%	197	282	226	231	22.8

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-7
Statistical Summary of Detected Analytes in the South Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	13	13	100%	1.22	2.22	1.77	1.82	0.313
1,2,3,4,6,7,8-HpCDF	ng/kg	13	13	100%	3.39	14	8.14	8.22	2.97
1,2,3,4,7,8,9-HpCDF	ng/kg	13	3	23%	0.0756	0.2	0.181	0.152	0.0670
1,2,3,4,7,8-HxCDD	ng/kg	13	13	100%	0.447	0.722	0.515	0.550	0.0850
1,2,3,4,7,8-HxCDF	ng/kg	13	13	100%	2.13	15.3	6.61	7.31	3.31
1,2,3,6,7,8-HxCDD	ng/kg	13	13	100%	1.3	2.25	1.54	1.68	0.326
1,2,3,6,7,8-HxCDF	ng/kg	13	13	100%	1.62	4.48	3.07	3.16	0.782
1,2,3,7,8,9-HxCDD	ng/kg	13	13	100%	0.452	0.706	0.577	0.582	0.0738
1,2,3,7,8,9-HxCDF	ng/kg	13	12	92%	0.0629	0.155	0.113	0.108	0.0269
1,2,3,7,8-PeCDD	ng/kg	13	9	69%	1.63	2.76	1.94	2.05	0.396
1,2,3,7,8-PeCDF	ng/kg	13	13	100%	3.6	7.86	5.56	5.88	1.09
2,3,4,6,7,8-HxCDF	ng/kg	13	13	100%	0.604	1.07	0.815	0.824	0.162
2,3,4,7,8-PeCDF	ng/kg	13	13	100%	5.82	16.5	11.8	12.2	2.85
2,3,7,8-TCDD	ng/kg	13	13	100%	15.7	95.5	61.3	59.0	22.4
2,3,7,8-TCDF	ng/kg	13	13	100%	19.3	58.7	32.5	32.7	9.02
OCDD	ng/kg	13	13	100%	3.18	6.29	5.19	4.89	0.974
OCDF	ng/kg	13	13	100%	0.189	0.529	0.363	0.357	0.0819
Percent Lipid	%	13	12	92%	4.9	8	6.30	6.28	0.973
Metals									
Aluminum	mg/kg	13	5	38%	8	21.2	10.8	13.7	6.14
Arsenic	mg/kg	13	13	100%	2.91	6.16	3.69	3.94	0.917
Barium	mg/kg	13	12	92%	0.246	3.52	0.496	0.759	0.904
Cadmium	mg/kg	13	13	100%	0.49	2.39	0.910	1.26	0.711
Calcium	mg/kg	13	13	100%	2520	20300	3600	6640	6080
Chromium	mg/kg	13	12	92%	0.0992	0.308	0.135	0.151	0.0570
Cobalt	mg/kg	13	13	100%	0.136	0.371	0.191	0.210	0.0685
Copper	mg/kg	13	13	100%	28.5	127	61.2	68.3	27.0
Iron	mg/kg	13	13	100%	27.6	102	48.2	54.7	22.2
Lead	mg/kg	13	12	92%	0.0721	0.876	0.245	0.284	0.215
Magnesium	mg/kg	13	13	100%	362	1740	588	723	373
Manganese	mg/kg	13	12	92%	1.96	13.8	3.45	4.98	4.13
Mercury	ng/g	13	13	100%	31.2	87	58.1	60.6	16.4
Methyl Mercury	ng/g	13	13	100%	12	79.7	51.0	46.9	17.9
Nickel	mg/kg	13	13	100%	0.264	0.633	0.451	0.442	0.115
Potassium	mg/kg	13	13	100%	2190	4690	2930	3130	613
Selenium	mg/kg	13	13	100%	1.45	2.58	1.81	1.88	0.356
Silver	mg/kg	13	13	100%	0.635	3.56	1.48	1.64	0.790
Sodium	mg/kg	13	13	100%	3540	6210	4570	4790	825
Titanium	mg/kg	13	7	54%	0.179	0.601	0.321	0.388	0.176
Vanadium	mg/kg	13	12	92%	0.0775	0.271	0.130	0.147	0.0566
Zinc	mg/kg	13	13	100%	24.8	82.4	43.7	43.7	18.5
Butyltins									
Dibutyltin	ug/kg	13	4	31%	1.3	1.8	1.65	1.60	0.216
PCB Congeners									
PCB-1	ng/kg	13	6	46%	3.88	71.4	19.6	28.5	26.7
PCB-2	ng/kg	13	3	23%	1.31	11.9	2.05	5.09	5.91
PCB-3	ng/kg	7	3	43%	3.81	50.1	32.5	28.8	23.4
PCB-4	ng/kg	13	9	69%	20.9	259	38.5	74.4	78.8
PCB-6	ng/kg	13	7	54%	11.8	134	19.3	41.9	44.9
PCB-7	ng/kg	13	4	31%	1.12	8.42	3.06	3.92	3.31
PCB-8	ng/kg	13	9	69%	24.2	498	47.6	131	151
PCB-9	ng/kg	13	2	15%	2.14	10.7	6.42	6.42	6.05
PCB-10	ng/kg	13	2	15%	2.92	13	7.96	7.96	7.13
PCB-11	ng/kg	13	12	92%	133	1270	287	396	323
PCB-12/13	ng/kg	13	12	92%	22.8	259	47.9	78.3	66.8
PCB-15	ng/kg	13	13	100%	1130	3440	1930	1940	766
PCB-16	ng/kg	13	7	54%	7.69	71.3	23.3	28.8	22.4
PCB-17	ng/kg	13	12	92%	42.4	427	93.0	154	128
PCB-18/30	ng/kg	13	12	92%	61	584	123	229	187

Table 3-7
Statistical Summary of Detected Analytes in the South Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-19	ng/kg	13	12	92%	5.57	47	11.1	16.4	13.4
PCB-20/28	ng/kg	13	13	100%	24800	70700	49500	45300	14900
PCB-21/33	ng/kg	13	13	100%	54.7	587	144	205	185
PCB-22	ng/kg	13	13	100%	65.8	1130	193	358	347
PCB-25	ng/kg	13	12	92%	61.9	517	137	222	161
PCB-26/29	ng/kg	13	12	92%	103	788	161	318	265
PCB-27	ng/kg	13	13	100%	11.7	154	31.9	54.6	46.6
PCB-31	ng/kg	13	13	100%	264	3460	673	1250	1060
PCB-32	ng/kg	13	13	100%	61.3	966	151	306	281
PCB-34	ng/kg	13	13	100%	7.4	115	37.3	40.6	30.9
PCB-35	ng/kg	13	12	92%	9.59	68.8	24.0	30.1	19.7
PCB-36	ng/kg	13	12	92%	5.18	59.5	14.9	19.9	15.0
PCB-37	ng/kg	13	13	100%	3080	7300	4910	5190	1550
PCB-38	ng/kg	13	6	46%	19.1	41.1	28.4	29.0	7.71
PCB-39	ng/kg	13	13	100%	40.3	180	105	99.4	41.0
PCB-40/71	ng/kg	13	13	100%	336	3390	1100	1400	1050
PCB-41	ng/kg	13	2	15%	5.13	32.5	18.8	18.8	19.4
PCB-42	ng/kg	13	13	100%	89.5	1040	260	403	311
PCB-43	ng/kg	13	12	92%	28.1	244	46.4	87.4	71.9
PCB-44/47/65	ng/kg	13	13	100%	20700	75000	52400	50700	16400
PCB-45	ng/kg	13	6	46%	3.37	40.5	10.1	14.4	13.8
PCB-46	ng/kg	13	10	77%	5.01	43.1	7.02	12.8	11.8
PCB-48	ng/kg	13	13	100%	39.1	386	85.8	134	104
PCB-49/69	ng/kg	13	13	100%	173	2160	523	812	622
PCB-50/53	ng/kg	13	13	100%	18.3	231	41.8	70.3	59.7
PCB-51	ng/kg	13	13	100%	15.6	174	41.2	59.6	45.1
PCB-52	ng/kg	13	13	100%	231	3040	505	925	816
PCB-55	ng/kg	13	9	69%	52.7	155	94.2	96.4	30.5
PCB-56	ng/kg	13	13	100%	104	1970	375	660	590
PCB-57	ng/kg	13	13	100%	8.86	93	22.7	34.6	28.3
PCB-58	ng/kg	13	11	85%	7.51	152	27.8	42.8	44.4
PCB-60	ng/kg	13	13	100%	5190	14000	8820	8900	2580
PCB-61/70/74/76	ng/kg	13	13	100%	29600	88000	60700	58200	17200
PCB-62/75	ng/kg	13	13	100%	1470	5620	3710	3640	1180
PCB-63	ng/kg	13	13	100%	459	1900	880	976	501
PCB-64	ng/kg	13	13	100%	224	2390	607	959	741
PCB-66	ng/kg	13	13	100%	43500	131000	94400	88400	26000
PCB-67	ng/kg	13	12	92%	90.5	354	191	201	85.8
PCB-68	ng/kg	13	13	100%	218	1000	612	587	226
PCB-72	ng/kg	13	13	100%	48	548	187	235	151
PCB-73	ng/kg	13	11	85%	14.2	105	36.1	49.6	34.2
PCB-77	ng/kg	4	4	100%	3870	7150	4610	5060	1450
PCB-79	ng/kg	13	13	100%	134	344	224	219	66.3
PCB-80	ng/kg	13	13	100%	10.3	35.3	16.2	18.1	6.72
PCB-81	ng/kg	13	13	100%	161	412	235	259	77.0
PCB-82	ng/kg	13	8	62%	22.5	291	47.1	88.8	92.9
PCB-83	ng/kg	13	4	31%	30.8	140	74.0	79.7	49.5
PCB-84	ng/kg	13	13	100%	45.7	871	97.0	189	223
PCB-85/116/117	ng/kg	13	13	100%	10000	44000	18800	20000	8650
PCB-86/87/97/109/119/125	ng/kg	13	13	100%	4830	18800	8890	8610	3670
PCB-89	ng/kg	13	5	38%	1.83	44.7	7.52	13.8	17.6
PCB-90/101/113	ng/kg	13	13	100%	1730	11400	4460	4480	2740
PCB-91	ng/kg	13	13	100%	185	1820	436	567	445
PCB-92	ng/kg	13	13	100%	196	2430	482	628	594
PCB-93/100	ng/kg	13	13	100%	1980	8660	3980	4020	1810
PCB-94	ng/kg	13	12	92%	30.5	447	104	131	119
PCB-95	ng/kg	11	11	100%	348	1940	732	985	568
PCB-96	ng/kg	13	1	8%	7.32	7.32	NA	NA	NA
PCB-98/102	ng/kg	13	13	100%	37.1	444	86.8	127	111
PCB-99	ng/kg	13	13	100%	54200	187000	85000	97600	35700

Table 3-7
Statistical Summary of Detected Analytes in the South Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-103	ng/kg	13	13	100%	8.86	110	25.1	32.1	27.6
PCB-104	ng/kg	13	3	23%	1.84	7.51	2.84	4.06	3.03
PCB-105	ng/kg	13	13	100%	18200	42300	30200	29700	6830
PCB-107	ng/kg	13	13	100%	4090	21900	6560	7450	4670
PCB-108/124	ng/kg	13	13	100%	71	1080	159	259	268
PCB-110/115	ng/kg	12	12	100%	2390	19200	5500	6390	4470
PCB-111	ng/kg	13	13	100%	67.5	343	166	177	68.8
PCB-112	ng/kg	13	5	38%	53.6	116	86.5	84.6	26.1
PCB-114	ng/kg	13	13	100%	1770	4150	2360	2670	686
PCB-118	ng/kg	13	13	100%	90500	188000	133000	137000	29300
PCB-120	ng/kg	13	13	100%	521	1960	921	955	371
PCB-121	ng/kg	13	12	92%	52.7	208	101	104	43.1
PCB-122	ng/kg	13	7	54%	13.7	222	52.7	65.7	73.2
PCB-123	ng/kg	13	13	100%	1620	3850	2220	2430	588
PCB-126	ng/kg	12	12	100%	213	510	301	314	80.6
PCB-127	ng/kg	13	13	100%	82	208	125	128	37.1
PCB-128/166	ng/kg	13	13	100%	7590	13500	10900	10600	1940
PCB-129/138/163	ng/kg	13	13	100%	67300	128000	106000	100000	17900
PCB-130	ng/kg	13	13	100%	713	2810	1520	1470	622
PCB-131	ng/kg	12	12	100%	30.5	92.7	51.9	56.9	23.6
PCB-132	ng/kg	12	11	92%	31.5	319	83.7	113	92.6
PCB-133	ng/kg	13	13	100%	1400	4150	2780	2750	763
PCB-134	ng/kg	12	9	75%	19.1	116	30.0	42.2	31.2
PCB-135/151	ng/kg	13	12	92%	227	1030	601	604	291
PCB-136	ng/kg	13	13	100%	17.4	112	39.2	52.8	30.7
PCB-137	ng/kg	13	13	100%	3820	7310	5500	5260	1140
PCB-139/140	ng/kg	13	13	100%	1550	2860	2120	2100	430
PCB-141	ng/kg	13	13	100%	152	728	328	381	183
PCB-143	ng/kg	12	2	17%	3.6	19.8	11.7	11.7	11.5
PCB-144	ng/kg	13	13	100%	78.7	301	159	161	71.6
PCB-146	ng/kg	9	9	100%	14000	24000	21300	20000	3870
PCB-147/149	ng/kg	13	13	100%	2000	7060	3860	4330	1870
PCB-148	ng/kg	13	13	100%	253	662	540	504	121
PCB-150	ng/kg	13	5	38%	2.19	10.9	7.46	6.64	3.28
PCB-152	ng/kg	13	1	8%	2.6	2.6	NA	NA	NA
PCB-153/168	ng/kg	13	13	100%	109000	198000	154000	159000	28400
PCB-154	ng/kg	13	13	100%	3030	5580	4440	4230	885
PCB-155	ng/kg	13	13	100%	362	1890	1130	1100	402
PCB-156/157	ng/kg	13	13	100%	8210	17800	12000	12000	2620
PCB-158	ng/kg	13	13	100%	7540	15700	11100	11000	2380
PCB-159	ng/kg	13	13	100%	23.7	53.7	32.8	34.1	8.08
PCB-161	ng/kg	12	1	8%	18.9	18.9	NA	NA	NA
PCB-162	ng/kg	13	13	100%	428	929	642	629	159
PCB-164	ng/kg	13	13	100%	88.1	563	236	257	159
PCB-165	ng/kg	4	4	100%	137	192	159	162	24.7
PCB-167	ng/kg	13	13	100%	3900	7340	4820	5040	986
PCB-169	ng/kg	13	5	38%	8.13	17	12.6	12.3	3.65
PCB-170	ng/kg	13	13	100%	7010	14000	10100	10400	2330
PCB-172	ng/kg	13	13	100%	2070	4630	2800	2950	719
PCB-174	ng/kg	3	3	100%	140	480	163	261	190
PCB-175	ng/kg	10	10	100%	719	1570	1100	1070	251
PCB-176	ng/kg	13	13	100%	31.2	130	64.6	70.6	31.7
PCB-177	ng/kg	1	1	100%	1570	1570	NA	NA	NA
PCB-178	ng/kg	8	8	100%	5150	11600	7560	7760	2170
PCB-179	ng/kg	12	12	100%	26.1	197	60.8	83.3	58.2
PCB-180/193	ng/kg	13	13	100%	38500	82100	57000	55500	12000
PCB-182	ng/kg	2	2	100%	176	194	185	185	12.7
PCB-183/185	ng/kg	5	5	100%	15400	29200	19700	20100	5480
PCB-184	ng/kg	13	13	100%	64.3	216	161	160	44.0
PCB-187	ng/kg	1	1	100%	46800	46800	NA	NA	NA

Table 3-7
Statistical Summary of Detected Analytes in the South Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-188	ng/kg	13	13	100%	162	535	332	348	100
PCB-189	ng/kg	13	13	100%	593	1120	829	827	144
PCB-190	ng/kg	13	13	100%	1160	5110	3160	3170	985
PCB-191	ng/kg	13	13	100%	605	1310	887	875	200
PCB-192	ng/kg	13	6	46%	6.26	14.1	7.56	8.56	2.89
PCB-194	ng/kg	13	13	100%	4290	9540	6290	6370	1460
PCB-195	ng/kg	13	12	92%	947	1770	1380	1390	269
PCB-196	ng/kg	13	12	92%	3000	8580	5660	5570	1400
PCB-197/200	ng/kg	8	8	100%	458	850	692	664	127
PCB-198/199	ng/kg	13	13	100%	7270	19000	11700	12100	3190
PCB-201	ng/kg	13	13	100%	1180	2520	2010	1970	412
PCB-202	ng/kg	13	13	100%	1700	7400	4960	4950	1440
PCB-203	ng/kg	13	12	92%	3790	9300	5980	6530	1670
PCB-204	ng/kg	13	11	85%	15.4	36.7	23.2	23.5	6.50
PCB-205	ng/kg	13	13	100%	63.6	136	89.9	93.2	20.8
PCB-206	ng/kg	13	13	100%	2440	6420	4110	4240	1150
PCB-207	ng/kg	13	13	100%	376	886	602	638	152
PCB-208	ng/kg	13	13	100%	915	3530	2210	2370	699
PCB-209	ng/kg	13	13	100%	1150	4020	2960	2930	736
Total PCB Congeners (209)	ng/kg	13	13	100%	734000	1490000	1140000	1080000	247000
Aroclor PCBs									
Aroclor-1262	ug/kg	13	9	69%	150	330	220	241	58.8
Pesticides									
2,4'-DDD	pg/g	13	12	92%	68.3	3130	286	521	836
2,4'-DDE	pg/g	12	11	92%	179	6270	723	1460	1830
2,4'-DDT	pg/g	13	11	85%	52.4	3470	245	578	979
4,4'-DDD	pg/g	13	13	100%	42300	475000	121000	149000	111000
4,4'-DDE	pg/g	13	13	100%	160000	670000	320000	362000	161000
4,4'-DDT	pg/g	13	13	100%	344	13100	2140	3520	4120
Aldrin	pg/g	12	1	8%	13.2	13.2	NA	NA	NA
Alpha-BHC	pg/g	13	13	100%	56.8	125	88.2	85.8	19.7
Alpha-Chlordane	pg/g	13	13	100%	853	11100	3910	4630	2920
Beta-BHC	pg/g	13	12	92%	125	411	182	196	77.5
cis-Nonachlor	pg/g	13	13	100%	8980	19200	12200	13200	3110
Delta-BHC	pg/g	12	1	8%	42.2	42.2	NA	NA	NA
Dieldrin	pg/g	13	13	100%	4550	21400	15100	13400	5710
Endosulfan Sulfate	pg/g	12	1	8%	60.5	60.5	NA	NA	NA
Endrin Aldehyde	pg/g	5	2	40%	187	228	208	208	29.0
Gamma-BHC (Lindane)	pg/g	13	12	92%	12.6	36.2	22.8	23.3	6.10
Heptachlor Epoxide	pg/g	13	13	100%	5470	14300	9690	9450	2420
Hexachlorobenzene	pg/g	13	13	100%	1390	4930	2330	2470	902
Mirex	pg/g	13	13	100%	324	737	605	568	125
Nonachlor, trans-	pg/g	13	13	100%	18000	44800	22000	26300	8190
Oxychlordane	pg/g	13	13	100%	20000	73500	43000	41300	13700
trans-Chlordane	pg/g	11	9	82%	476	848	623	639	134
trans-Heptachlor Epoxide	pg/g	13	13	100%	1370	4830	3230	3220	1120
Total Alpha + Gamma Chlordane	ppb	13	13	100%	0.85	12	3.90	5.10	3.04
Total DDT (2,4)	ppb	13	12	92%	0.17	7.5	1.50	2.39	2.58
Total DDT (4,4)	ppb	13	13	100%	210	1100	440	514	258
Total DDT (2,4 & 4,4)	ppb	13	13	100%	210	1100	450	515	258
Semivolatiles									
1,2-Diphenylhydrazine	ug/kg	13	1	8%	86	86	NA	NA	NA
1-Methylnaphthalene	ug/kg	13	2	15%	3.1	3.7	3.40	3.40	0.424
2-Methylnaphthalene	ug/kg	13	9	69%	3.1	25	4.80	7.27	6.83
4-Methylphenol	ug/kg	13	1	8%	92	92	NA	NA	NA
Acenaphthene	ug/kg	13	9	69%	4.6	12	6.90	7.29	2.30
Acenaphthylene	ug/kg	13	2	15%	3	3.2	3.10	3.10	0.141
Anthracene	ug/kg	13	6	46%	2.6	3.5	3.20	3.10	0.374
Benzaldehyde	ug/kg	13	8	62%	360	5200	2250	2370	1840
Benzo(a)anthracene	ug/kg	13	1	8%	3.8	3.8	NA	NA	NA

Table 3-7
Statistical Summary of Detected Analytes in the South Zone - Crab Hepatopancreas

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Benzo(g,h,i)perylene	ug/kg	13	1	8%	8.7	8.7	NA	NA	NA
Benzoic Acid	ug/kg	13	6	46%	1500	7400	3850	3770	2140
C1-Naphthalenes	ug/kg	13	5	38%	7.5	14	11.0	11.3	2.49
C1-Phenanthrenes/Anthracenes	ug/kg	13	1	8%	4.6	4.6	NA	NA	NA
C2-Naphthalenes	ug/kg	13	1	8%	11	11	NA	NA	NA
Chrysene	ug/kg	13	3	23%	3.2	4.5	3.90	3.87	0.651
Dibenzo(a,h)anthracene	ug/kg	13	1	8%	2.7	2.7	NA	NA	NA
Fluoranthene	ug/kg	13	10	77%	3.2	14	9.00	8.71	3.65
Fluorene	ug/kg	13	2	15%	3.5	4.8	4.15	4.15	0.919
Naphthalene	ug/kg	13	2	15%	2.8	4.1	3.45	3.45	0.919
Perylene	ug/kg	13	6	46%	4	12	6.50	6.98	3.27
Phenanthrene	ug/kg	13	5	38%	2.8	4.7	3.10	3.50	0.822
Phenol	ug/kg	13	5	38%	250	670	400	470	179
Pyrene	ug/kg	13	10	77%	2.7	13	5.15	5.76	2.96
Pyridine	ug/kg	13	2	15%	620	1200	910	910	410
Total HMW PAHs	ppb	13	10	77%	6.6	43	14.5	17.2	11.0
Total LMW PAHs	ppb	13	10	77%	6.9	34	22.0	18.9	8.98
TOTAL PAHs	ppb	13	11	85%	7.6	66	37.0	32.7	17.7
Physical Properties[2]									
Percent Moisture	%	13	13	100%	68.2	79.1	73.0	73.1	3.35
Water Content ASTM D2216	%	13	13	100%	215	378	270	277	50.6

Footnotes:

[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.

[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-8
Statistical Summary of Detected Analytes - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	37	37	100%	0.0326	0.239	0.118	0.121	0.0462
1,2,3,4,6,7,8-HpCDF	ng/kg	37	37	100%	0.0664	0.881	0.249	0.317	0.236
1,2,3,4,7,8,9-HpCDF	ng/kg	37	27	73%	0.0167	0.0608	0.0334	0.0363	0.0120
1,2,3,4,7,8-HxCDD	ng/kg	37	24	65%	0.0148	0.0464	0.0288	0.0299	0.0100
1,2,3,4,7,8-HxCDF	ng/kg	37	37	100%	0.112	1.26	0.270	0.450	0.369
1,2,3,6,7,8-HxCDD	ng/kg	37	33	89%	0.019	0.139	0.0592	0.0645	0.0327
1,2,3,6,7,8-HxCDF	ng/kg	37	37	100%	0.03	0.334	0.0917	0.119	0.0863
1,2,3,7,8,9-HxCDD	ng/kg	37	27	73%	0.0199	0.065	0.0353	0.0384	0.0127
1,2,3,7,8,9-HxCDF	ng/kg	37	37	100%	0.0229	0.0947	0.0666	0.0656	0.0190
1,2,3,7,8-PeCDD	ng/kg	37	30	81%	0.0512	0.532	0.106	0.176	0.142
1,2,3,7,8-PeCDF	ng/kg	37	37	100%	0.1	0.514	0.219	0.240	0.107
2,3,4,6,7,8-HxCDF	ng/kg	37	35	95%	0.00505	0.0858	0.0364	0.0424	0.0188
2,3,4,7,8-PeCDF	ng/kg	37	36	97%	0.0865	0.976	0.323	0.405	0.254
2,3,7,8-TCDD	ng/kg	37	37	100%	0.841	8.53	2.45	3.21	2.14
2,3,7,8-TCDF	ng/kg	37	37	100%	0.312	2.3	0.980	1.04	0.416
OCDD	ng/kg	37	37	100%	0.203	0.869	0.389	0.414	0.159
OCDF	ng/kg	37	36	97%	0.0234	0.173	0.0789	0.0850	0.0349
Percent Lipid	%	37	34	92%	0.1	0.59	0.200	0.264	0.140
Metals									
Aluminum	mg/kg	36	1	3%	5.49	5.49	NA	NA	NA
Antimony	mg/kg	36	1	3%	0.286	0.286	NA	NA	NA
Arsenic	mg/kg	36	36	100%	1.37	3.81	2.37	2.45	0.623
Barium	mg/kg	36	33	92%	0.272	5.15	0.514	0.833	0.905
Cadmium	mg/kg	36	2	6%	0.795	0.933	0.864	0.864	0.0976
Calcium	mg/kg	36	36	100%	549	18800	1480	2820	3580
Chromium	mg/kg	36	7	19%	0.116	0.544	0.178	0.251	0.155
Cobalt	mg/kg	36	8	22%	0.02	0.259	0.0233	0.0762	0.0992
Copper	mg/kg	36	36	100%	8.79	62.2	13.3	15.4	9.62
Iron	mg/kg	36	35	97%	4.55	45.1	8.13	11.8	9.87
Lead	mg/kg	36	31	86%	0.0263	0.336	0.0365	0.0602	0.0596
Magnesium	mg/kg	36	36	100%	359	1290	506	544	190
Manganese	mg/kg	36	36	100%	0.796	35.1	3.23	4.81	5.79
Mercury	ng/g	37	37	100%	49.5	284	168	169	43.3
Methyl Mercury	ng/g	34	34	100%	47.6	333	190	194	66.6
Nickel	mg/kg	36	4	11%	0.226	0.404	0.361	0.338	0.0787
Potassium	mg/kg	36	36	100%	2480	7090	4670	4780	1000
Selenium	mg/kg	36	36	100%	0.519	1.61	0.846	0.867	0.218
Silver	mg/kg	36	36	100%	0.127	1.81	0.315	0.382	0.315
Sodium	mg/kg	36	36	100%	1520	4180	2320	2400	600
Titanium	mg/kg	36	8	22%	0.176	0.272	0.185	0.204	0.0369
Vanadium	mg/kg	36	15	42%	0.0291	0.158	0.0359	0.0468	0.0322
Zinc	mg/kg	36	36	100%	31.2	65	45.7	44.9	9.32
PCB Congeners									
PCB-1	ng/kg	37	13	35%	0.999	72.3	1.43	9.45	20.9
PCB-2	ng/kg	37	7	19%	0.764	6.08	0.874	1.81	1.93
PCB-3	ng/kg	34	10	29%	2.15	28.2	3.00	5.74	7.97
PCB-4	ng/kg	37	12	32%	4.78	79.7	10.4	19.8	22.7
PCB-6	ng/kg	37	12	32%	1.52	22.1	2.78	4.97	6.28
PCB-7	ng/kg	37	12	32%	0.859	60.5	2.35	9.68	17.4
PCB-8	ng/kg	37	7	19%	15.9	104	21.6	32.6	31.8
PCB-9	ng/kg	37	9	24%	0.791	11.5	1.31	2.68	3.47
PCB-10	ng/kg	37	2	5%	1.34	2.25	1.80	1.80	0.643
PCB-11	ng/kg	37	12	32%	20	129	35.6	45.7	32.0
PCB-12/13	ng/kg	37	31	84%	1.93	22.8	5.66	6.50	4.20
PCB-14	ng/kg	37	1	3%	7.13	7.13	NA	NA	NA

Table 3-8
Statistical Summary of Detected Analytes - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-15	ng/kg	37	36	97%	62.6	327	144	151	63.8
PCB-16	ng/kg	37	15	41%	2.04	19.2	2.83	4.94	4.88
PCB-17	ng/kg	37	18	49%	6.45	28	13.0	13.4	6.09
PCB-18/30	ng/kg	37	15	41%	7.92	35	20.5	18.4	7.89
PCB-19	ng/kg	37	23	62%	0.804	8.81	1.60	2.25	1.94
PCB-20/28	ng/kg	37	37	100%	776	6050	2210	2530	1400
PCB-21/33	ng/kg	37	30	81%	4.04	37.5	13.4	15.2	9.13
PCB-22	ng/kg	37	33	89%	6.64	72.3	26.5	28.8	17.1
PCB-25	ng/kg	37	32	86%	2.75	29.5	12.2	13.3	7.97
PCB-26/29	ng/kg	37	25	68%	3.08	45.6	15.2	16.3	10.4
PCB-27	ng/kg	37	30	81%	1.44	11.9	3.79	3.95	2.26
PCB-31	ng/kg	37	31	84%	16.5	195	67.7	72.7	44.6
PCB-32	ng/kg	37	33	89%	4.8	56.2	17.5	20.3	12.6
PCB-34	ng/kg	37	27	73%	0.86	5.95	2.39	2.61	1.32
PCB-35	ng/kg	37	20	54%	0.924	4.69	1.93	2.14	0.984
PCB-36	ng/kg	37	13	35%	0.792	1.62	1.03	1.08	0.241
PCB-37	ng/kg	37	37	100%	58.5	531	204	228	120
PCB-38	ng/kg	37	5	14%	0.76	4.15	0.826	1.88	1.55
PCB-39	ng/kg	37	35	95%	1.32	14.2	4.29	5.33	3.44
PCB-40/71	ng/kg	37	37	100%	11	135	57.6	61.3	35.3
PCB-42	ng/kg	37	32	86%	3.77	53.8	19.0	20.1	12.8
PCB-43	ng/kg	37	27	73%	1.44	8.79	3.77	4.28	2.17
PCB-44/47/65	ng/kg	37	37	100%	446	4080	1590	1870	984
PCB-45	ng/kg	37	1	3%	2.8	2.8	NA	NA	NA
PCB-46	ng/kg	37	13	35%	0.956	1.71	1.20	1.25	0.265
PCB-48	ng/kg	37	27	73%	1.56	12.8	6.62	7.08	3.62
PCB-49/69	ng/kg	37	27	73%	6.22	108	41.7	43.6	24.0
PCB-50/53	ng/kg	37	23	62%	2.5	12	5.79	5.65	2.26
PCB-51	ng/kg	37	18	49%	2.43	8.33	4.48	4.86	1.91
PCB-52	ng/kg	37	30	81%	8.56	128	44.7	46.7	27.1
PCB-55	ng/kg	37	20	54%	1.27	16.1	4.03	4.95	3.56
PCB-56	ng/kg	37	37	100%	3.63	70.7	27.6	28.4	17.9
PCB-57	ng/kg	37	13	35%	1.21	3.64	1.53	1.75	0.660
PCB-58	ng/kg	37	14	38%	1.44	5.24	2.34	2.56	1.05
PCB-60	ng/kg	37	37	100%	132	1080	434	491	258
PCB-61/70/74/76	ng/kg	37	37	100%	402	4360	1530	1810	1050
PCB-62/75	ng/kg	37	37	100%	33.9	329	121	137	75.0
PCB-63	ng/kg	37	37	100%	5.44	76.4	27.4	31.5	20.1
PCB-64	ng/kg	37	33	89%	7.88	126	41.4	42.9	28.6
PCB-66	ng/kg	37	37	100%	588	6550	2210	2780	1690
PCB-67	ng/kg	37	36	97%	1.23	18.2	6.12	6.74	4.20
PCB-68	ng/kg	37	37	100%	3.68	46.8	16.6	18.7	11.0
PCB-72	ng/kg	37	31	84%	1.9	20.5	7.11	8.15	4.58
PCB-73	ng/kg	37	21	57%	1.44	6.75	2.98	3.06	1.36
PCB-77	ng/kg	25	25	100%	31.8	360	140	165	99.9
PCB-79	ng/kg	37	36	97%	1.55	16.9	6.66	7.60	4.48
PCB-80	ng/kg	37	3	8%	1.07	1.51	1.31	1.30	0.220
PCB-81	ng/kg	37	36	97%	2.46	15.4	6.97	7.87	3.98
PCB-82	ng/kg	37	19	51%	1.74	6.91	2.75	3.13	1.24
PCB-83	ng/kg	37	6	16%	2.87	9.35	4.16	4.95	2.45
PCB-84	ng/kg	37	28	76%	2.03	13.5	6.94	6.89	3.10
PCB-85/116/117	ng/kg	37	37	100%	109	1420	450	518	309
PCB-86/87/97/109/119/125	ng/kg	37	33	89%	44.9	443	173	215	118
PCB-88	ng/kg	37	2	5%	11.2	20.2	15.7	15.7	6.36
PCB-90/101/113	ng/kg	37	30	81%	20.6	254	100	122	64.7
PCB-91	ng/kg	37	32	86%	3	44.1	14.9	16.4	10.1

Table 3-8
Statistical Summary of Detected Analytes - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-92	ng/kg	37	29	78%	3.39	38.8	14.7	16.6	8.98
PCB-93/100	ng/kg	37	37	100%	24.4	277	94.9	110	62.3
PCB-94	ng/kg	37	28	76%	1.52	10.5	4.05	4.93	2.43
PCB-95	ng/kg	29	24	83%	10.3	74.2	30.8	35.1	17.4
PCB-98/102	ng/kg	37	2	5%	7.75	10.5	9.13	9.13	1.94
PCB-99	ng/kg	37	37	100%	457	5800	1900	2180	1260
PCB-103	ng/kg	37	12	32%	1.1	2.75	1.42	1.53	0.475
PCB-105	ng/kg	37	37	100%	163	3200	727	874	593
PCB-107	ng/kg	37	37	100%	27.7	379	128	152	92.7
PCB-108/124	ng/kg	37	25	68%	3.02	16.1	6.28	6.49	2.87
PCB-110/115	ng/kg	37	32	86%	29.3	366	133	160	91.0
PCB-111	ng/kg	37	31	84%	1.49	7.03	3.84	4.03	1.63
PCB-112	ng/kg	37	3	8%	1.84	3.29	2.24	2.46	0.749
PCB-114	ng/kg	37	36	97%	12.9	281	69.0	76.8	51.8
PCB-118	ng/kg	37	37	100%	569	12300	2860	3270	2260
PCB-120	ng/kg	37	35	95%	4.4	40.9	18.7	20.5	10.4
PCB-121	ng/kg	37	23	62%	1.42	5.17	2.96	2.97	1.08
PCB-122	ng/kg	37	2	5%	2.34	2.46	2.40	2.40	0.0849
PCB-123	ng/kg	37	37	100%	11	221	57.4	66.5	43.1
PCB-126	ng/kg	36	31	86%	2.22	22.6	7.48	8.06	4.43
PCB-127	ng/kg	37	23	62%	1.43	15	3.75	4.12	2.91
PCB-128/166	ng/kg	37	37	100%	51	1070	197	260	194
PCB-129/138/163	ng/kg	37	35	95%	376	6570	1580	2000	1380
PCB-130	ng/kg	36	36	100%	5.19	63.7	24.0	29.6	17.1
PCB-131	ng/kg	33	12	36%	1.77	3.7	2.37	2.44	0.579
PCB-132	ng/kg	34	23	68%	2.25	14.4	5.58	6.39	3.43
PCB-133	ng/kg	37	37	100%	10.8	168	50.5	55.8	32.4
PCB-134	ng/kg	34	2	6%	3.35	3.61	3.48	3.48	0.184
PCB-135/151	ng/kg	37	28	76%	7.15	37	16.6	20.1	8.91
PCB-136	ng/kg	37	21	57%	1.61	5.22	2.33	2.72	0.974
PCB-137	ng/kg	36	36	100%	20.6	622	95.9	119	104
PCB-139/140	ng/kg	37	37	100%	9.68	191	41.1	49.9	34.1
PCB-141	ng/kg	36	28	78%	1.89	34.4	9.76	11.7	6.91
PCB-144	ng/kg	35	26	74%	1.59	8.1	3.41	4.12	1.84
PCB-146	ng/kg	26	25	96%	69	1090	338	384	264
PCB-147/149	ng/kg	37	30	81%	18.2	238	86.0	108	60.2
PCB-148	ng/kg	37	34	92%	4.64	23.7	12.6	12.4	5.28
PCB-153/168	ng/kg	37	37	100%	522	8980	2350	2810	1840
PCB-154	ng/kg	35	35	100%	19.1	185	76.9	84.3	46.0
PCB-155	ng/kg	37	37	100%	5.97	111	27.8	32.1	22.0
PCB-156/157	ng/kg	37	37	100%	41.8	1310	221	261	218
PCB-158	ng/kg	37	37	100%	41	1080	199	236	183
PCB-159	ng/kg	37	3	8%	1.85	2.35	2.09	2.10	0.250
PCB-162	ng/kg	35	23	66%	3.62	39.6	10.7	12.4	7.87
PCB-164	ng/kg	37	22	59%	2.04	16.3	5.50	6.85	3.95
PCB-165	ng/kg	26	15	58%	1.59	4.52	3.26	3.08	1.06
PCB-167	ng/kg	37	37	100%	15.8	454	88.2	100	77.6
PCB-170	ng/kg	37	33	89%	33.6	1100	138	213	209
PCB-171/173	ng/kg	21	21	100%	19.6	547	79.0	119	121
PCB-172	ng/kg	37	33	89%	8.38	239	38.9	54.6	46.6
PCB-174	ng/kg	23	19	83%	1.73	17.2	4.69	6.98	4.82
PCB-175	ng/kg	30	30	100%	3.7	73.6	16.1	19.4	14.3
PCB-176	ng/kg	37	19	51%	1.2	3.44	1.85	2.14	0.756
PCB-177	ng/kg	21	17	81%	10.5	149	66.0	68.7	50.9
PCB-178	ng/kg	34	34	100%	28.6	545	133	149	97.6
PCB-179	ng/kg	37	21	57%	1.54	6.07	3.09	3.26	1.40

Table 3-8
Statistical Summary of Detected Analytes - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-180/193	ng/kg	37	34	92%	140	4460	696	936	827
PCB-181	ng/kg	18	16	89%	1.26	12.4	4.62	5.11	3.34
PCB-182	ng/kg	24	20	83%	1.48	11.8	3.75	4.86	2.92
PCB-183/185	ng/kg	29	27	93%	56	1370	248	324	285
PCB-184	ng/kg	37	26	70%	1.41	8.09	3.52	3.95	1.97
PCB-187	ng/kg	30	28	93%	131	2230	533	690	498
PCB-188	ng/kg	37	29	78%	2.6	13.6	6.69	7.20	3.23
PCB-189	ng/kg	37	34	92%	2.04	45.8	10.8	13.3	9.47
PCB-190	ng/kg	37	33	89%	10.7	355	48.6	64.5	62.8
PCB-191	ng/kg	37	36	97%	2.2	91	10.6	14.9	15.2
PCB-194	ng/kg	37	33	89%	13.4	264	62.4	82.3	58.6
PCB-195	ng/kg	37	37	100%	4.07	106	19.5	28.0	22.8
PCB-196	ng/kg	37	37	100%	13.2	311	73.0	87.4	63.1
PCB-197/200	ng/kg	31	24	77%	4.21	26.9	9.66	11.8	6.46
PCB-198/199	ng/kg	37	34	92%	32.3	554	172	211	140
PCB-201	ng/kg	37	32	86%	6.01	98.7	30.9	37.1	23.5
PCB-202	ng/kg	37	37	100%	16.9	262	100	111	58.0
PCB-203	ng/kg	37	37	100%	13.3	259	67.9	88.5	62.7
PCB-205	ng/kg	37	9	24%	1.49	5.09	2.58	3.10	1.37
PCB-206	ng/kg	37	36	97%	9.37	149	48.7	57.4	35.1
PCB-207	ng/kg	37	34	92%	2.3	26.8	10.7	12.7	7.09
PCB-208	ng/kg	37	37	100%	7.25	114	44.3	49.0	26.8
PCB-209	ng/kg	35	27	77%	8.73	144	45.7	54.4	33.4
Total PCB Congeners (209)	ng/kg	37	37	100%	5900	74400	22100	27700	16800
Aroclor PCBs									
Aroclor-1248	ug/kg	37	1	3%	19	19	NA	NA	NA
Aroclor-1260	ug/kg	37	3	8%	40	67	43.0	50.0	14.8
Aroclor-1262	ug/kg	37	3	8%	10	16	13.0	13.0	3.00
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	37	4	11%	19	67	41.5	42.3	19.7
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	37	7	19%	10	67	19.0	29.7	21.0
Pesticides									
2,4'-DDD	pg/g	37	22	59%	3.99	105	16.0	23.8	23.9
2,4'-DDE	pg/g	36	33	92%	7.76	123	28.2	33.4	23.4
2,4'-DDT	pg/g	37	14	38%	7.17	174	16.0	29.7	42.9
4,4'-DDD	pg/g	37	37	100%	1040	14300	3540	4340	2820
4,4'-DDE	pg/g	37	37	100%	4580	33100	11000	12900	6330
4,4'-DDT	pg/g	36	34	94%	25.2	354	88.4	103	72.6
Alpha-BHC	pg/g	37	29	78%	4.6	11.6	7.35	7.52	1.48
Alpha-Chlordane	pg/g	37	36	97%	60.2	1590	305	382	291
Beta-BHC	pg/g	37	16	43%	7.75	24	15.7	15.6	5.41
cis-Nonachlor	pg/g	37	37	100%	179	1170	518	584	269
Dieldrin	pg/g	37	37	100%	307	2660	999	1180	554
Gamma-BHC (Lindane)	pg/g	37	7	19%	2.69	5.23	3.94	3.92	0.794
Heptachlor Epoxide	pg/g	37	37	100%	60.9	640	156	220	149
Hexachlorobenzene	pg/g	37	37	100%	76.5	412	185	194	88.5
Methoxychlor	pg/g	31	1	3%	8.78	8.78	NA	NA	NA
Mirex	pg/g	33	30	91%	16.2	119	49.0	47.7	19.9
Nonachlor, trans-	pg/g	37	30	81%	358	2380	999	1190	549
Oxychlordane	pg/g	37	37	100%	549	3630	1170	1470	820
trans-Chlordane	pg/g	32	11	34%	22.2	62.2	37.5	38.3	11.9
trans-Heptachlor Epoxide	pg/g	37	31	84%	107	480	209	223	87.2
Total Alpha + Gamma Chlordane	ppb	37	36	97%	0.06	1.7	0.305	0.395	0.309
Total DDT (2,4)	ppb	37	34	92%	0.012	0.33	0.0460	0.0601	0.0599
Total DDT (4,4)	ppb	37	37	100%	5.7	41	15.0	17.3	8.79
Total DDT (2,4 & 4,4)	ppb	37	37	100%	5.7	42	15.0	17.3	8.87

Table 3-8
Statistical Summary of Detected Analytes - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Semivolatiles									
1-Methylnaphthalene	ug/kg	37	1	3%	6.8	6.8	NA	NA	NA
2-Methylnaphthalene	ug/kg	37	3	8%	2.8	24	14.0	13.6	10.6
3,3'-Dichlorobenzidine	ug/kg	36	1	3%	500	500	NA	NA	NA
Acenaphthene	ug/kg	37	6	16%	2.9	7.2	3.85	4.42	1.67
Anthracene	ug/kg	37	1	3%	170	170	NA	NA	NA
Benzaldehyde	ug/kg	36	1	3%	320	320	NA	NA	NA
C1-Naphthalenes	ug/kg	37	4	11%	3.3	20	8.15	9.90	8.14
C2-Naphthalenes	ug/kg	37	5	14%	3	16	4.80	7.40	5.31
C3-Naphthalene	ug/kg	37	3	8%	3.2	6.5	4.10	4.60	1.71
Fluorene	ug/kg	37	1	3%	450	450	NA	NA	NA
Naphthalene	ug/kg	37	2	5%	2.8	11	6.90	6.90	5.80
Phenanthrene	ug/kg	37	1	3%	58	58	NA	NA	NA
Pyridine	ug/kg	36	3	8%	390	1100	490	660	384
Total LMW PAHs	ppb	37	9	24%	2.8	700	4.00	84.2	231
TOTAL PAHs	ppb	37	9	24%	2.8	700	4.00	84.2	231
Physical Properties[2]									
Percent Moisture	%	37	37	100%	77.4	83	79.1	79.3	1.31
Water Content ASTM D2216	%	37	37	100%	343	489	379	386	32.6

Footnotes:

[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.

[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-9
Statistical Summary of Detected Analytes in the North Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	12	12	100%	0.0696	0.193	0.163	0.151	0.0384
1,2,3,4,6,7,8-HpCDF	ng/kg	12	12	100%	0.306	0.881	0.616	0.604	0.192
1,2,3,4,7,8,9-HpCDF	ng/kg	12	9	75%	0.0241	0.0608	0.0428	0.0416	0.0147
1,2,3,4,7,8-HxCDD	ng/kg	12	9	75%	0.0205	0.0464	0.0347	0.0348	0.00968
1,2,3,4,7,8-HxCDF	ng/kg	12	12	100%	0.374	1.26	1.00	0.889	0.325
1,2,3,6,7,8-HxCDD	ng/kg	12	12	100%	0.047	0.139	0.0920	0.0888	0.0273
1,2,3,6,7,8-HxCDF	ng/kg	12	12	100%	0.0976	0.334	0.252	0.218	0.0803
1,2,3,7,8,9-HxCDD	ng/kg	12	11	92%	0.0199	0.065	0.0431	0.0427	0.0147
1,2,3,7,8,9-HxCDF	ng/kg	12	12	100%	0.0493	0.0866	0.0784	0.0728	0.0129
1,2,3,7,8-PeCDD	ng/kg	12	11	92%	0.0512	0.516	0.221	0.259	0.164
1,2,3,7,8-PeCDF	ng/kg	12	12	100%	0.146	0.514	0.357	0.343	0.106
2,3,4,6,7,8-HxCDF	ng/kg	12	12	100%	0.0291	0.0858	0.0587	0.0586	0.0193
2,3,4,7,8-PeCDF	ng/kg	12	12	100%	0.322	0.976	0.745	0.688	0.224
2,3,7,8-TCDD	ng/kg	12	12	100%	2.44	8.53	5.88	5.37	2.32
2,3,7,8-TCDF	ng/kg	12	12	100%	0.609	2.3	1.33	1.33	0.482
OCDD	ng/kg	12	12	100%	0.286	0.869	0.432	0.480	0.168
OCDF	ng/kg	12	12	100%	0.0482	0.173	0.123	0.113	0.0379
Percent Lipid	%	12	11	92%	0.1	0.59	0.390	0.355	0.152
Metals									
Aluminum	mg/kg	12	1	8%	5.49	5.49	NA	NA	NA
Antimony	mg/kg	12	1	8%	0.286	0.286	NA	NA	NA
Arsenic	mg/kg	12	12	100%	1.37	2.7	1.83	1.98	0.426
Barium	mg/kg	12	12	100%	0.277	5.15	0.680	1.20	1.36
Cadmium	mg/kg	12	1	8%	0.795	0.795	NA	NA	NA
Calcium	mg/kg	12	12	100%	796	12400	1810	3120	3450
Chromium	mg/kg	12	2	17%	0.116	0.285	0.201	0.201	0.120
Cobalt	mg/kg	12	7	58%	0.02	0.259	0.0222	0.0568	0.0892
Copper	mg/kg	12	12	100%	10.7	62.2	15.4	19.2	14.0
Iron	mg/kg	12	12	100%	6.26	39.6	8.98	14.5	11.8
Lead	mg/kg	12	11	92%	0.0301	0.336	0.0639	0.0917	0.0888
Magnesium	mg/kg	12	12	100%	359	1060	604	612	200
Manganese	mg/kg	12	12	100%	1.62	35.1	4.63	6.85	9.16
Mercury	ng/g	12	12	100%	132	284	189	199	45.3
Methyl Mercury	ng/g	11	11	100%	114	304	211	205	57.7
Nickel	mg/kg	12	3	25%	0.226	0.404	0.342	0.324	0.0904
Potassium	mg/kg	12	12	100%	2480	7090	5040	5150	1410
Selenium	mg/kg	12	12	100%	0.519	1.46	0.803	0.827	0.247
Silver	mg/kg	12	12	100%	0.222	1.81	0.355	0.472	0.426
Sodium	mg/kg	12	12	100%	2060	4180	2740	2820	601
Titanium	mg/kg	12	2	17%	0.181	0.185	0.183	0.183	0.00283
Vanadium	mg/kg	12	8	67%	0.0291	0.158	0.0388	0.0549	0.0427
Zinc	mg/kg	12	12	100%	31.2	65	50.8	49.4	12.1
PCB Congeners									
PCB-1	ng/kg	12	6	50%	1.14	72.3	1.47	13.2	28.9
PCB-2	ng/kg	12	2	17%	1.23	6.08	3.66	3.66	3.43
PCB-3	ng/kg	12	3	25%	2.15	28.2	3.18	11.2	14.8
PCB-4	ng/kg	12	6	50%	5.7	79.7	6.59	19.8	29.5
PCB-6	ng/kg	12	9	75%	1.55	13.3	2.99	3.79	3.64
PCB-7	ng/kg	12	2	17%	2.83	14.1	8.47	8.47	7.97
PCB-8	ng/kg	12	3	25%	19.1	104	23.2	48.8	47.9
PCB-9	ng/kg	12	3	25%	1.1	4.24	1.75	2.36	1.66
PCB-10	ng/kg	12	1	8%	1.34	1.34	NA	NA	NA
PCB-11	ng/kg	12	4	33%	27	83.3	36.8	46.0	25.8
PCB-12/13	ng/kg	12	10	83%	5.62	12.8	8.17	8.19	2.03
PCB-15	ng/kg	12	12	100%	144	327	178	205	62.2

Table 3-9
Statistical Summary of Detected Analytes in the North Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-16	ng/kg	12	7	58%	2.29	13.6	2.83	4.56	4.04
PCB-17	ng/kg	12	9	75%	9.09	23.4	15.2	14.5	4.69
PCB-18/30	ng/kg	12	5	42%	10.1	35	22.0	22.3	8.89
PCB-19	ng/kg	12	9	75%	0.804	8.81	1.88	2.50	2.41
PCB-20/28	ng/kg	12	12	100%	2440	6050	3790	4140	1090
PCB-21/33	ng/kg	12	11	92%	9.43	37.5	17.9	19.6	8.07
PCB-22	ng/kg	12	11	92%	17.4	59.3	38.0	37.0	11.8
PCB-25	ng/kg	12	11	92%	12.5	29.5	20.1	20.5	5.86
PCB-26/29	ng/kg	12	10	83%	10.4	36.5	19.7	20.4	7.28
PCB-27	ng/kg	12	11	92%	2.37	5.77	3.95	4.00	1.26
PCB-31	ng/kg	12	11	92%	33.6	145	94.2	93.5	32.7
PCB-32	ng/kg	12	11	92%	10.6	33.6	24.8	24.2	7.50
PCB-34	ng/kg	12	12	100%	1.54	5.95	3.45	3.62	1.15
PCB-35	ng/kg	12	10	83%	1.68	4.69	2.35	2.65	0.989
PCB-36	ng/kg	12	7	58%	0.844	1.62	1.08	1.14	0.264
PCB-37	ng/kg	12	12	100%	245	531	316	357	97.2
PCB-38	ng/kg	12	2	17%	2.85	4.15	3.50	3.50	0.919
PCB-39	ng/kg	12	12	100%	3.95	14.2	8.82	9.11	2.86
PCB-40/71	ng/kg	12	12	100%	36.4	120	91.1	86.2	26.3
PCB-42	ng/kg	12	10	83%	12.7	53.8	26.7	27.0	11.4
PCB-43	ng/kg	12	12	100%	1.99	7.65	6.13	5.32	1.85
PCB-44/47/65	ng/kg	12	12	100%	2030	4080	2970	3040	540
PCB-46	ng/kg	12	9	75%	0.981	1.71	1.24	1.33	0.273
PCB-48	ng/kg	12	11	92%	4.68	12.8	9.42	8.86	2.55
PCB-49/69	ng/kg	12	11	92%	23.8	82.1	46.5	46.6	16.7
PCB-50/53	ng/kg	12	11	92%	3.05	7.58	5.86	5.25	1.48
PCB-51	ng/kg	12	11	92%	2.81	7.48	6.07	5.57	1.50
PCB-52	ng/kg	12	11	92%	25.3	79.3	55.4	51.7	15.0
PCB-55	ng/kg	12	6	50%	4.05	16.1	6.19	7.90	4.45
PCB-56	ng/kg	12	12	100%	13.3	70.7	38.1	40.2	15.9
PCB-57	ng/kg	12	7	58%	1.3	2.1	1.53	1.62	0.300
PCB-58	ng/kg	12	9	75%	1.44	3.85	2.51	2.47	0.855
PCB-60	ng/kg	12	12	100%	458	1080	690	766	205
PCB-61/70/74/76	ng/kg	12	12	100%	1590	4360	2730	2940	820
PCB-62/75	ng/kg	12	12	100%	154	329	219	226	50.5
PCB-63	ng/kg	12	12	100%	17.9	76.4	53.0	50.9	16.3
PCB-64	ng/kg	12	11	92%	20.1	126	54.4	55.9	27.9
PCB-66	ng/kg	12	12	100%	2590	6550	4420	4730	1210
PCB-67	ng/kg	12	12	100%	6.17	18.2	10.6	10.8	3.43
PCB-68	ng/kg	12	12	100%	16.2	46.8	30.8	30.1	9.07
PCB-72	ng/kg	12	12	100%	4.95	15.2	11.3	10.9	3.41
PCB-73	ng/kg	12	11	92%	1.44	4.55	3.11	2.93	0.839
PCB-77	ng/kg	9	9	100%	194	360	255	273	61.3
PCB-79	ng/kg	12	12	100%	7.16	16.9	12.2	12.3	3.29
PCB-80	ng/kg	12	2	17%	1.07	1.51	1.29	1.29	0.311
PCB-81	ng/kg	12	12	100%	6.8	15.3	10.5	11.4	2.70
PCB-82	ng/kg	12	9	75%	2.18	4.5	2.75	3.04	0.791
PCB-83	ng/kg	12	3	25%	2.87	4.86	3.18	3.64	1.07
PCB-84	ng/kg	12	10	83%	5.25	12.3	8.52	8.50	2.14
PCB-85/116/117	ng/kg	12	12	100%	458	1040	856	814	181
PCB-86/87/97/109/119/125	ng/kg	12	11	92%	219	415	349	333	69.4
PCB-88	ng/kg	12	1	8%	20.2	20.2	NA	NA	NA
PCB-90/101/113	ng/kg	12	11	92%	80.4	249	173	163	49.6
PCB-91	ng/kg	12	11	92%	9.83	44.1	22.7	22.4	9.52
PCB-92	ng/kg	12	11	92%	10.1	33	18.6	19.3	6.54
PCB-93/100	ng/kg	12	12	100%	114	277	183	180	41.3

Table 3-9
Statistical Summary of Detected Analytes in the North Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-94	ng/kg	12	11	92%	3.49	9.55	6.98	6.40	1.86
PCB-95	ng/kg	11	10	91%	24.9	59.8	44.9	42.7	10.2
PCB-98/102	ng/kg	12	2	17%	7.75	10.5	9.13	9.13	1.94
PCB-99	ng/kg	12	12	100%	2100	4280	3480	3380	738
PCB-103	ng/kg	12	8	67%	1.1	2.75	1.31	1.45	0.545
PCB-105	ng/kg	12	12	100%	793	1850	1240	1310	319
PCB-107	ng/kg	12	12	100%	128	343	218	236	65.3
PCB-108/124	ng/kg	12	12	100%	3.32	9.67	6.67	6.97	2.07
PCB-110/115	ng/kg	12	11	92%	124	338	228	224	61.4
PCB-111	ng/kg	12	12	100%	4.04	7.03	5.93	5.67	0.912
PCB-112	ng/kg	12	2	17%	2.24	3.29	2.77	2.77	0.742
PCB-114	ng/kg	12	12	100%	65.2	150	110	111	24.7
PCB-118	ng/kg	12	12	100%	2860	6720	4740	4870	1150
PCB-120	ng/kg	12	12	100%	20.7	40.9	32.8	32.1	6.05
PCB-121	ng/kg	12	10	83%	2.96	5.17	3.89	3.91	0.674
PCB-122	ng/kg	12	2	17%	2.34	2.46	2.40	2.40	0.0849
PCB-123	ng/kg	12	12	100%	53.3	134	99.8	98.3	23.8
PCB-126	ng/kg	12	11	92%	6.59	15	10.6	10.6	2.69
PCB-127	ng/kg	12	12	100%	2.56	8.2	4.42	4.79	1.47
PCB-128/166	ng/kg	12	12	100%	197	549	408	401	101
PCB-129/138/163	ng/kg	12	12	100%	1580	4780	3100	3110	866
PCB-130	ng/kg	11	11	100%	20.7	63.7	43.2	46.0	14.2
PCB-131	ng/kg	10	9	90%	1.78	3.7	2.42	2.57	0.610
PCB-132	ng/kg	11	8	73%	3.89	7.51	6.16	5.89	1.28
PCB-133	ng/kg	12	12	100%	48.9	104	78.6	78.4	19.2
PCB-134	ng/kg	11	1	9%	3.35	3.35	NA	NA	NA
PCB-135/151	ng/kg	12	11	92%	15.2	32.2	23.3	23.5	5.89
PCB-136	ng/kg	12	9	75%	2.01	3.77	2.57	2.75	0.610
PCB-137	ng/kg	11	11	100%	98.2	251	176	172	43.7
PCB-139/140	ng/kg	12	12	100%	41.1	103	73.8	73.9	17.2
PCB-141	ng/kg	12	11	92%	8.05	19.2	14.7	13.0	3.65
PCB-144	ng/kg	11	8	73%	4.41	8.1	5.86	6.10	1.39
PCB-146	ng/kg	9	9	100%	392	805	601	599	132
PCB-147/149	ng/kg	12	11	92%	64.9	238	150	152	54.3
PCB-148	ng/kg	12	12	100%	13.2	23.7	18.5	18.0	3.43
PCB-153/168	ng/kg	12	12	100%	2420	6720	4360	4370	1150
PCB-154	ng/kg	11	11	100%	88.2	185	132	133	28.8
PCB-155	ng/kg	12	12	100%	30.8	111	52.4	55.4	21.0
PCB-156/157	ng/kg	12	12	100%	221	533	369	371	92.9
PCB-158	ng/kg	12	12	100%	203	495	355	343	81.2
PCB-159	ng/kg	12	3	25%	1.85	2.35	2.09	2.10	0.250
PCB-162	ng/kg	12	6	50%	10.8	22.8	16.5	16.7	3.81
PCB-164	ng/kg	12	7	58%	5.47	12.9	8.40	8.84	2.66
PCB-165	ng/kg	9	9	100%	2.02	4.52	3.58	3.68	0.790
PCB-167	ng/kg	12	12	100%	88.2	207	136	143	36.8
PCB-170	ng/kg	12	11	92%	148	523	336	344	110
PCB-171/173	ng/kg	7	7	100%	117	279	164	178	56.8
PCB-172	ng/kg	12	11	92%	50.2	124	94.6	88.1	23.4
PCB-174	ng/kg	8	7	88%	6.66	17.2	9.21	11.3	3.91
PCB-175	ng/kg	10	10	100%	18.4	37.1	30.6	29.1	6.79
PCB-176	ng/kg	12	9	75%	1.46	3.44	2.43	2.46	0.827
PCB-177	ng/kg	8	7	88%	66	145	107	107	31.9
PCB-178	ng/kg	11	11	100%	127	260	222	210	43.5
PCB-179	ng/kg	12	10	83%	1.72	5.48	3.29	3.34	1.10
PCB-180/193	ng/kg	12	12	100%	777	2310	1410	1420	442
PCB-181	ng/kg	8	8	100%	5.22	12.4	7.16	7.78	2.55

Table 3-9
Statistical Summary of Detected Analytes in the North Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-182	ng/kg	8	8	100%	4.57	11.8	7.44	7.80	2.27
PCB-183/185	ng/kg	9	9	100%	279	830	446	493	182
PCB-184	ng/kg	12	11	92%	3.13	8.09	5.79	5.76	1.41
PCB-187	ng/kg	9	9	100%	745	1580	1110	1080	322
PCB-188	ng/kg	12	10	83%	6.72	13.6	10.4	10.4	2.20
PCB-189	ng/kg	12	12	100%	11.1	31.8	20.1	20.3	6.23
PCB-190	ng/kg	12	11	92%	48.6	149	83.4	90.5	35.8
PCB-191	ng/kg	12	12	100%	12.5	33.4	20.7	21.4	6.38
PCB-194	ng/kg	12	11	92%	76.9	264	139	142	50.5
PCB-195	ng/kg	12	12	100%	20.3	72.2	49.5	47.7	16.4
PCB-196	ng/kg	12	12	100%	85.7	234	124	138	45.9
PCB-197/200	ng/kg	9	9	100%	12.8	26.9	17.4	18.6	4.58
PCB-198/199	ng/kg	12	12	100%	194	513	320	337	103
PCB-201	ng/kg	12	11	92%	30.4	98.7	56.0	58.4	19.4
PCB-202	ng/kg	12	12	100%	97.3	221	154	151	35.7
PCB-203	ng/kg	12	12	100%	79.2	259	127	150	56.9
PCB-205	ng/kg	12	8	67%	1.83	5.09	3.36	3.30	1.31
PCB-206	ng/kg	12	12	100%	40.5	149	89.5	91.2	32.4
PCB-207	ng/kg	12	12	100%	10.8	26.8	20.5	19.5	4.93
PCB-208	ng/kg	12	12	100%	41.9	114	74.3	74.4	19.9
PCB-209	ng/kg	11	9	82%	45.7	144	89.9	85.3	30.8
Total PCB Congeners (209)	ng/kg	12	12	100%	25200	60700	43300	43900	10400
Aroclor PCBs									
Aroclor-1248	ug/kg	12	1	8%	19	19	NA	NA	NA
Aroclor-1260	ug/kg	12	1	8%	43	43	NA	NA	NA
Aroclor-1262	ug/kg	12	2	17%	10	16	13.0	13.0	4.24
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	12	2	17%	19	43	31.0	31.0	17.0
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	12	4	33%	10	43	17.5	22.0	14.5
Pesticides									
2,4'-DDD	pg/g	12	5	42%	7.81	12.1	9.07	9.58	1.72
2,4'-DDE	pg/g	12	12	100%	10.2	30.4	22.9	22.7	6.38
2,4'-DDT	pg/g	12	4	33%	10.9	18.1	16.0	15.2	3.08
4,4'-DDD	pg/g	12	12	100%	1040	10800	2990	3820	2590
4,4'-DDE	pg/g	12	12	100%	4580	20900	10800	11600	5050
4,4'-DDT	pg/g	12	12	100%	37.2	273	79.5	95.8	63.6
Alpha-BHC	pg/g	12	9	75%	4.6	9.7	7.51	7.69	1.51
Alpha-Chlordane	pg/g	12	12	100%	153	1080	375	399	246
Beta-BHC	pg/g	12	6	50%	14.1	24	20.9	19.7	4.04
cis-Nonachlor	pg/g	12	12	100%	314	1170	679	719	323
Dieldrin	pg/g	12	12	100%	718	2660	1520	1670	628
Gamma-BHC (Lindane)	pg/g	12	3	25%	3.31	4.32	4.05	3.89	0.523
Heptachlor Epoxide	pg/g	12	12	100%	131	640	231	326	180
Hexachlorobenzene	pg/g	12	12	100%	116	383	255	258	93.4
Mirex	pg/g	9	9	100%	16.2	68.8	50.5	43.3	18.2
Nonachlor, trans-	pg/g	12	12	100%	577	2380	1300	1390	650
Oxychlordane	pg/g	12	12	100%	810	3620	1500	1920	969
trans-Chlordane	pg/g	11	6	55%	30.1	48.1	41.4	40.8	6.99
trans-Heptachlor Epoxide	pg/g	12	11	92%	153	480	225	250	105
Total Alpha + Gamma Chlordane	ppb	12	12	100%	0.15	1.1	0.405	0.419	0.251
Total DDT (2,4)	ppb	12	12	100%	0.015	0.058	0.0275	0.0318	0.0136
Total DDT (4,4)	ppb	12	12	100%	5.7	28	14.0	15.5	7.20
Total DDT (2,4 & 4,4)	ppb	12	12	100%	5.7	28	14.0	15.5	7.20
Semivolatiles									
1-Methylnaphthalene	ug/kg	12	1	8%	6.8	6.8	NA	NA	NA
2-Methylnaphthalene	ug/kg	12	1	8%	14	14	NA	NA	NA
Acenaphthene	ug/kg	12	5	42%	3.1	7.2	4.00	4.72	1.67

Table 3-9
Statistical Summary of Detected Analytes in the North Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Benzaldehyde	ug/kg	11	1	9%	320	320	NA	NA	NA
C1-Naphthalenes	ug/kg	12	2	17%	3.3	13	8.15	8.15	6.86
C2-Naphthalenes	ug/kg	12	3	25%	3	9	4.80	5.60	3.08
C3-Naphthalene	ug/kg	12	2	17%	4.1	6.5	5.30	5.30	1.70
Naphthalene	ug/kg	12	2	17%	2.8	11	6.90	6.90	5.80
Pyridine	ug/kg	11	1	9%	390	390	NA	NA	NA
Total LMW PAHs	ppb	12	6	50%	2.8	29	4.80	8.62	10.1
TOTAL PAHs	ppb	12	6	50%	2.8	29	4.80	8.62	10.1
Physical Properties[2]									
Percent Moisture	%	12	12	100%	78.4	82.5	80.3	80.1	1.10
Water Content ASTM D2216	%	12	12	100%	363	472	408	405	28.6

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-10
Statistical Summary of Detected Analytes in the Central Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	12	12	100%	0.0696	0.18	0.108	0.106	0.0315
1,2,3,4,6,7,8-HpCDF	ng/kg	12	12	100%	0.0706	0.324	0.253	0.224	0.0842
1,2,3,4,7,8,9-HpCDF	ng/kg	12	11	92%	0.0167	0.0517	0.0309	0.0330	0.00978
1,2,3,4,7,8-HxCDD	ng/kg	12	7	58%	0.0151	0.0356	0.0260	0.0263	0.00678
1,2,3,4,7,8-HxCDF	ng/kg	12	12	100%	0.129	0.498	0.288	0.307	0.124
1,2,3,6,7,8-HxCDD	ng/kg	12	10	83%	0.023	0.0728	0.0469	0.0477	0.0191
1,2,3,6,7,8-HxCDF	ng/kg	12	12	100%	0.03	0.122	0.0814	0.0836	0.0337
1,2,3,7,8,9-HxCDD	ng/kg	12	7	58%	0.0243	0.06	0.0349	0.0363	0.0121
1,2,3,7,8,9-HxCDF	ng/kg	12	12	100%	0.0229	0.0947	0.0591	0.0614	0.0228
1,2,3,7,8-PeCDD	ng/kg	12	8	67%	0.0922	0.209	0.122	0.135	0.0428
1,2,3,7,8-PeCDF	ng/kg	12	12	100%	0.1	0.319	0.213	0.214	0.0651
2,3,4,6,7,8-HxCDF	ng/kg	12	11	92%	0.0252	0.0535	0.0363	0.0364	0.0100
2,3,4,7,8-PeCDF	ng/kg	12	11	92%	0.0865	0.444	0.324	0.311	0.118
2,3,7,8-TCDD	ng/kg	12	12	100%	0.841	4.19	2.89	2.73	1.11
2,3,7,8-TCDF	ng/kg	12	12	100%	0.312	1.71	0.964	0.941	0.377
OCDD	ng/kg	12	12	100%	0.211	0.674	0.390	0.395	0.146
OCDF	ng/kg	12	12	100%	0.0526	0.109	0.0782	0.0778	0.0188
Percent Lipid	%	12	12	100%	0.1	0.48	0.290	0.277	0.122
Metals									
Arsenic	mg/kg	12	12	100%	1.65	3.06	2.35	2.40	0.430
Barium	mg/kg	12	9	75%	0.316	1.12	0.474	0.550	0.248
Cadmium	mg/kg	12	1	8%	0.933	0.933	NA	NA	NA
Calcium	mg/kg	12	12	100%	549	5590	1310	1870	1480
Chromium	mg/kg	12	1	8%	0.116	0.116	NA	NA	NA
Cobalt	mg/kg	12	1	8%	0.212	0.212	NA	NA	NA
Copper	mg/kg	12	12	100%	8.79	39.3	11.7	14.0	8.34
Iron	mg/kg	12	11	92%	4.75	45.1	7.61	12.2	12.0
Lead	mg/kg	12	8	67%	0.0263	0.0402	0.0288	0.0312	0.00502
Magnesium	mg/kg	12	12	100%	367	577	445	460	62.9
Manganese	mg/kg	12	12	100%	1.06	6.3	2.91	3.31	1.94
Mercury	ng/g	12	12	100%	140	209	180	179	19.3
Methyl Mercury	ng/g	10	10	100%	71.8	333	177	193	83.1
Nickel	mg/kg	12	1	8%	0.379	0.379	NA	NA	NA
Potassium	mg/kg	12	12	100%	2970	5530	4390	4410	683
Selenium	mg/kg	12	12	100%	0.66	1.61	0.853	0.920	0.256
Silver	mg/kg	12	12	100%	0.227	1.43	0.294	0.388	0.332
Sodium	mg/kg	12	12	100%	1710	3850	1970	2160	588
Titanium	mg/kg	12	4	33%	0.176	0.272	0.229	0.227	0.0426
Vanadium	mg/kg	12	6	50%	0.0299	0.0525	0.0316	0.0379	0.0112
Zinc	mg/kg	12	12	100%	32.1	48.6	38.8	39.7	6.36
PCB Congeners									
PCB-1	ng/kg	12	4	33%	0.999	1.47	1.19	1.21	0.207
PCB-2	ng/kg	12	2	17%	0.833	0.874	0.854	0.854	0.0290
PCB-3	ng/kg	11	2	18%	2.82	4.6	3.71	3.71	1.26
PCB-4	ng/kg	12	4	33%	4.78	27.4	11.4	13.8	10.6
PCB-6	ng/kg	12	2	17%	1.52	1.84	1.68	1.68	0.226
PCB-7	ng/kg	12	3	25%	1.05	23.6	1.89	8.85	12.8
PCB-8	ng/kg	12	2	17%	21.6	28.6	25.1	25.1	4.95
PCB-9	ng/kg	12	3	25%	1.04	1.48	1.31	1.28	0.222
PCB-10	ng/kg	12	1	8%	2.25	2.25	NA	NA	NA
PCB-11	ng/kg	12	2	17%	34	61.2	47.6	47.6	19.2
PCB-12/13	ng/kg	12	9	75%	1.93	12.9	4.95	5.40	3.46
PCB-15	ng/kg	12	11	92%	63.3	200	138	129	43.6
PCB-16	ng/kg	12	3	25%	4.19	5.13	5.00	4.77	0.509
PCB-17	ng/kg	12	2	17%	6.82	19.3	13.1	13.1	8.82

Table 3-10
Statistical Summary of Detected Analytes in the Central Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-18/30	ng/kg	12	4	33%	18.1	25.6	23.9	22.9	3.43
PCB-19	ng/kg	12	7	58%	0.992	6.95	2.54	2.96	2.04
PCB-20/28	ng/kg	12	12	100%	776	2800	1890	1890	677
PCB-21/33	ng/kg	12	10	83%	4.04	29.8	11.2	13.1	7.57
PCB-22	ng/kg	12	10	83%	7.23	72.3	24.4	30.1	20.4
PCB-25	ng/kg	12	9	75%	2.75	25.6	9.05	11.4	7.56
PCB-26/29	ng/kg	12	7	58%	3.37	45.6	10.1	16.1	15.0
PCB-27	ng/kg	12	10	83%	1.45	11.9	4.23	5.03	3.18
PCB-31	ng/kg	12	9	75%	19.3	195	52.4	77.7	56.3
PCB-32	ng/kg	12	10	83%	5.02	56.2	19.4	24.5	17.5
PCB-34	ng/kg	12	8	67%	0.86	3.94	1.96	2.10	0.913
PCB-35	ng/kg	12	6	50%	1.08	3.15	1.54	1.73	0.736
PCB-36	ng/kg	12	4	33%	0.819	1.3	0.971	1.02	0.203
PCB-37	ng/kg	12	12	100%	58.5	269	170	165	67.4
PCB-38	ng/kg	12	1	8%	0.793	0.793	NA	NA	NA
PCB-39	ng/kg	12	12	100%	1.39	7.76	3.97	3.92	1.67
PCB-40/71	ng/kg	12	12	100%	11	135	54.0	62.8	39.4
PCB-42	ng/kg	12	10	83%	4	46.1	23.0	24.1	14.4
PCB-43	ng/kg	12	8	67%	1.49	8.79	3.12	4.11	2.46
PCB-44/47/65	ng/kg	12	12	100%	446	2330	1390	1430	600
PCB-45	ng/kg	12	1	8%	2.8	2.8	NA	NA	NA
PCB-46	ng/kg	12	2	17%	1.07	1.25	1.16	1.16	0.127
PCB-48	ng/kg	12	7	58%	1.56	12.4	9.98	8.83	3.83
PCB-49/69	ng/kg	12	10	83%	6.22	108	44.8	49.3	32.9
PCB-50/53	ng/kg	12	8	67%	2.5	12	6.60	7.09	2.86
PCB-51	ng/kg	12	4	33%	2.43	8.33	3.57	4.48	2.63
PCB-52	ng/kg	12	10	83%	8.56	128	53.0	56.4	37.8
PCB-55	ng/kg	12	6	50%	1.27	5.64	2.75	3.03	1.64
PCB-56	ng/kg	12	12	100%	4.26	60	26.6	27.6	16.9
PCB-57	ng/kg	12	4	33%	1.24	3.64	1.99	2.21	1.05
PCB-58	ng/kg	12	3	25%	1.77	5.24	1.94	2.98	1.96
PCB-60	ng/kg	12	12	100%	132	570	407	363	141
PCB-61/70/74/76	ng/kg	12	12	100%	402	2440	1380	1320	601
PCB-62/75	ng/kg	12	12	100%	33.9	158	103	103	40.2
PCB-63	ng/kg	12	12	100%	5.44	68.2	22.2	25.6	17.0
PCB-64	ng/kg	12	10	83%	7.88	110	38.8	48.4	34.1
PCB-66	ng/kg	12	12	100%	588	3060	2020	1900	784
PCB-67	ng/kg	12	12	100%	1.23	11.4	4.93	5.48	2.98
PCB-68	ng/kg	12	12	100%	3.68	32.6	14.0	15.2	8.17
PCB-72	ng/kg	12	9	75%	4.1	20.5	6.63	8.79	5.14
PCB-73	ng/kg	12	5	42%	1.49	6.75	3.91	3.94	2.36
PCB-77	ng/kg	8	8	100%	31.8	167	114	106	51.0
PCB-79	ng/kg	12	11	92%	1.55	11.5	5.62	5.85	2.66
PCB-80	ng/kg	12	1	8%	1.31	1.31	NA	NA	NA
PCB-81	ng/kg	12	11	92%	2.46	12.4	5.33	6.11	2.92
PCB-82	ng/kg	12	4	33%	1.82	6.91	4.27	4.32	2.09
PCB-83	ng/kg	12	3	25%	3.46	9.35	5.99	6.27	2.95
PCB-84	ng/kg	12	10	83%	2.03	13.5	8.13	7.14	3.68
PCB-85/116/117	ng/kg	12	12	100%	109	622	366	368	154
PCB-86/87/97/109/119/125	ng/kg	12	10	83%	44.9	298	157	167	79.7
PCB-90/101/113	ng/kg	12	10	83%	20.6	254	98.8	118	76.1
PCB-91	ng/kg	12	9	75%	3	37.8	15.4	17.9	12.0
PCB-92	ng/kg	12	10	83%	3.39	38.8	16.5	18.7	12.1
PCB-93/100	ng/kg	12	12	100%	24.4	140	83.0	85.2	36.7
PCB-94	ng/kg	12	10	83%	1.89	10.5	3.58	4.82	2.65
PCB-95	ng/kg	7	6	86%	10.3	74.2	25.9	31.6	23.5

Table 3-10
Statistical Summary of Detected Analytes in the Central Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-99	ng/kg	12	12	100%	457	2780	1520	1590	691
PCB-103	ng/kg	12	4	33%	1.46	2.05	1.64	1.70	0.282
PCB-105	ng/kg	12	12	100%	163	1090	615	590	261
PCB-107	ng/kg	12	12	100%	27.7	267	106	115	64.5
PCB-108/124	ng/kg	12	8	67%	3.06	16.1	6.36	6.93	4.13
PCB-110/115	ng/kg	12	10	83%	29.3	293	121	140	89.2
PCB-111	ng/kg	12	9	75%	1.49	4.81	3.08	3.25	1.06
PCB-114	ng/kg	12	12	100%	12.9	120	47.5	53.7	29.5
PCB-118	ng/kg	12	12	100%	569	4920	2100	2280	1190
PCB-120	ng/kg	12	11	92%	4.4	29.4	15.7	16.3	7.51
PCB-121	ng/kg	12	8	67%	1.52	3.9	2.44	2.50	0.778
PCB-123	ng/kg	12	12	100%	11	109	42.9	48.1	26.9
PCB-126	ng/kg	12	9	75%	2.22	12.4	5.82	6.35	3.07
PCB-127	ng/kg	12	6	50%	1.48	3.41	2.43	2.45	0.667
PCB-128/166	ng/kg	12	12	100%	51	293	173	172	72.4
PCB-129/138/163	ng/kg	12	11	92%	376	2390	1290	1320	618
PCB-130	ng/kg	12	12	100%	5.19	55.7	22.8	25.2	14.3
PCB-131	ng/kg	11	3	27%	1.77	2.31	2.13	2.07	0.275
PCB-132	ng/kg	11	7	64%	2.62	13.8	7.67	8.31	4.06
PCB-133	ng/kg	12	12	100%	10.8	85.4	41.0	44.1	22.9
PCB-134	ng/kg	11	1	9%	3.61	3.61	NA	NA	NA
PCB-135/151	ng/kg	12	9	75%	7.15	37	26.8	23.0	11.6
PCB-136	ng/kg	12	7	58%	1.91	5.22	2.88	3.33	1.24
PCB-137	ng/kg	12	12	100%	20.6	152	75.3	79.9	37.8
PCB-139/140	ng/kg	12	12	100%	9.68	66.5	35.7	35.7	16.2
PCB-141	ng/kg	12	10	83%	1.89	22.1	9.83	11.0	7.08
PCB-144	ng/kg	12	9	75%	1.59	6.36	3.41	3.65	1.65
PCB-146	ng/kg	9	8	89%	69	409	216	235	120
PCB-147/149	ng/kg	12	10	83%	18.2	202	79.0	92.5	57.8
PCB-148	ng/kg	12	11	92%	5.48	15.2	10.9	10.7	3.32
PCB-153/168	ng/kg	12	12	100%	522	3770	1940	1930	910
PCB-154	ng/kg	12	12	100%	19.1	116	67.0	65.3	27.9
PCB-155	ng/kg	12	12	100%	5.97	43.3	20.9	23.9	12.1
PCB-156/157	ng/kg	12	12	100%	41.8	384	159	174	93.8
PCB-158	ng/kg	12	12	100%	41	318	154	160	77.7
PCB-162	ng/kg	10	6	60%	4.69	18.1	9.42	11.0	5.09
PCB-164	ng/kg	12	8	67%	2.04	16.3	7.82	8.02	4.81
PCB-165	ng/kg	9	3	33%	1.79	3.24	1.82	2.28	0.829
PCB-167	ng/kg	12	12	100%	15.8	158	62.2	69.2	38.3
PCB-170	ng/kg	12	10	83%	33.6	169	125	111	48.4
PCB-171/173	ng/kg	7	7	100%	19.6	102	57.6	60.0	30.4
PCB-172	ng/kg	12	10	83%	8.38	51.5	37.1	32.1	14.9
PCB-174	ng/kg	7	5	71%	1.73	13.1	3.07	5.90	4.91
PCB-175	ng/kg	10	10	100%	3.7	20.4	13.3	12.7	5.24
PCB-176	ng/kg	12	6	50%	1.6	3.03	2.07	2.16	0.526
PCB-177	ng/kg	6	4	67%	10.5	87.3	26.3	37.6	34.2
PCB-178	ng/kg	12	12	100%	28.6	209	110	117	51.8
PCB-179	ng/kg	12	6	50%	2.64	6.07	4.13	4.36	1.41
PCB-180/193	ng/kg	12	10	83%	140	888	590	546	265
PCB-181	ng/kg	5	4	80%	1.41	4.02	2.63	2.67	1.07
PCB-182	ng/kg	8	6	75%	1.54	4.61	3.46	3.28	1.05
PCB-183/185	ng/kg	10	8	80%	56	334	191	186	99.3
PCB-184	ng/kg	12	8	67%	1.55	4.81	2.90	3.07	1.11
PCB-187	ng/kg	11	9	82%	131	840	508	457	228
PCB-188	ng/kg	12	8	67%	2.68	10.2	5.14	6.18	2.65
PCB-189	ng/kg	12	9	75%	2.04	14.5	9.41	8.41	3.98

Table 3-10
Statistical Summary of Detected Analytes in the Central Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-190	ng/kg	12	10	83%	10.7	63.9	44.1	40.8	19.7
PCB-191	ng/kg	12	11	92%	2.2	16.1	9.02	8.82	4.16
PCB-194	ng/kg	12	10	83%	13.4	82.7	47.2	48.0	23.1
PCB-195	ng/kg	12	12	100%	4.07	24.8	16.4	15.9	6.25
PCB-196	ng/kg	12	12	100%	13.2	88.8	54.0	56.8	23.9
PCB-197/200	ng/kg	10	8	80%	4.21	15.1	7.22	8.29	3.62
PCB-198/199	ng/kg	12	10	83%	32.3	217	144	140	63.9
PCB-201	ng/kg	12	9	75%	6.01	40.1	26.8	25.2	11.4
PCB-202	ng/kg	12	12	100%	16.9	228	80.0	94.1	56.3
PCB-203	ng/kg	12	12	100%	13.3	86.7	60.0	56.2	23.6
PCB-205	ng/kg	12	1	8%	1.49	1.49	NA	NA	NA
PCB-206	ng/kg	12	12	100%	9.37	61.4	42.7	39.1	16.0
PCB-207	ng/kg	12	10	83%	2.3	13.6	9.01	9.09	3.94
PCB-208	ng/kg	12	12	100%	7.25	76.6	34.8	38.9	20.3
PCB-209	ng/kg	12	7	58%	8.73	69.7	34.0	35.7	20.9
Total PCB Congeners (209)	ng/kg	12	12	100%	5900	35400	19200	19500	8500
Aroclor PCBs									
Aroclor-1262	ug/kg	12	1	8%	13	13	NA	NA	NA
Pesticides									
2,4'-DDD	pg/g	12	7	58%	15.4	57.7	18.9	27.5	15.2
2,4'-DDE	pg/g	12	11	92%	19.7	60.6	28.6	31.5	11.4
2,4'-DDT	pg/g	12	2	17%	9.28	15.1	12.2	12.2	4.12
4,4'-DDD	pg/g	12	12	100%	1490	6000	2920	3140	1360
4,4'-DDE	pg/g	12	12	100%	5560	16200	10700	10400	3430
4,4'-DDT	pg/g	12	11	92%	40.2	148	77.5	80.0	28.9
Alpha-BHC	pg/g	12	10	83%	6.08	11.6	7.94	8.02	1.46
Alpha-Chlordane	pg/g	12	12	100%	144	1590	305	450	410
Beta-BHC	pg/g	12	5	42%	9.61	19.6	15.8	14.8	3.73
cis-Nonachlor	pg/g	12	12	100%	274	1100	512	553	217
Dieldrin	pg/g	12	12	100%	710	1650	920	1010	295
Gamma-BHC (Lindane)	pg/g	12	2	17%	3.94	5.23	4.59	4.59	0.912
Heptachlor Epoxide	pg/g	12	12	100%	95.7	589	147	196	132
Hexachlorobenzene	pg/g	12	12	100%	91.5	257	175	161	48.9
Methoxychlor	pg/g	12	1	8%	8.78	8.78	NA	NA	NA
Mirex	pg/g	12	12	100%	22.7	119	49.5	51.0	24.8
Nonachlor, trans-	pg/g	12	9	75%	560	1650	875	973	323
Oxychlordane	pg/g	12	12	100%	577	3630	1140	1340	807
trans-Chlordane	pg/g	9	3	33%	30.1	62.2	40.0	44.1	16.4
trans-Heptachlor Epoxide	pg/g	12	10	83%	107	408	207	218	81.6
Total Alpha + Gamma Chlordane	ppb	12	12	100%	0.14	1.7	0.305	0.464	0.443
Total DDT (2,4)	ppb	12	11	92%	0.02	0.092	0.0480	0.0513	0.0236
Total DDT (4,4)	ppb	12	12	100%	7.1	22	13.5	13.6	4.68
Total DDT (2,4 & 4,4)	ppb	12	12	100%	7.1	22	13.5	13.6	4.67
Semivolatiles									
2-Methylnaphthalene	ug/kg	12	2	17%	2.8	24	13.4	13.4	15.0
Anthracene	ug/kg	12	1	8%	170	170	NA	NA	NA
C1-Naphthalenes	ug/kg	12	2	17%	3.3	20	11.7	11.7	11.8
C2-Naphthalenes	ug/kg	12	2	17%	4.2	16	10.1	10.1	8.34
C3-Naphthalene	ug/kg	12	1	8%	3.2	3.2	NA	NA	NA
Fluorene	ug/kg	12	1	8%	450	450	NA	NA	NA
Phenanthrene	ug/kg	12	1	8%	58	58	NA	NA	NA
Pyridine	ug/kg	12	1	8%	1100	1100	NA	NA	NA
Total LMW PAHs	ppb	12	2	17%	2.8	700	351	351	493
TOTAL PAHs	ppb	12	2	17%	2.8	700	351	351	493

Table 3-10
Statistical Summary of Detected Analytes in the Central Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Physical Properties[2]									
Percent Moisture	%	12	12	100%	77.4	80	78.7	78.7	0.934
Water Content ASTM D2216	%	12	12	100%	343	400	370	370	20.5

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-11
Statistical Summary of Detected Analytes in the South Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	13	13	100%	0.0326	0.239	0.100	0.108	0.0533
1,2,3,4,6,7,8-HpCDF	ng/kg	13	13	100%	0.0664	0.194	0.136	0.137	0.0328
1,2,3,4,7,8,9-HpCDF	ng/kg	13	7	54%	0.0178	0.0494	0.0334	0.0348	0.0106
1,2,3,4,7,8-HxCDD	ng/kg	13	8	62%	0.0148	0.0459	0.0239	0.0275	0.0115
1,2,3,4,7,8-HxCDF	ng/kg	13	13	100%	0.112	0.257	0.166	0.176	0.0511
1,2,3,6,7,8-HxCDD	ng/kg	13	11	85%	0.019	0.139	0.0481	0.0534	0.0337
1,2,3,6,7,8-HxCDF	ng/kg	13	13	100%	0.0302	0.0936	0.0558	0.0596	0.0217
1,2,3,7,8,9-HxCDD	ng/kg	13	9	69%	0.0232	0.0556	0.0318	0.0350	0.0103
1,2,3,7,8,9-HxCDF	ng/kg	13	13	100%	0.0297	0.0915	0.0651	0.0629	0.0193
1,2,3,7,8-PeCDD	ng/kg	13	11	85%	0.053	0.532	0.0828	0.124	0.137
1,2,3,7,8-PeCDF	ng/kg	13	13	100%	0.106	0.284	0.152	0.169	0.0562
2,3,4,6,7,8-HxCDF	ng/kg	13	12	92%	0.00505	0.0575	0.0307	0.0316	0.0136
2,3,4,7,8-PeCDF	ng/kg	13	13	100%	0.0897	0.348	0.227	0.224	0.0798
2,3,7,8-TCDD	ng/kg	13	13	100%	0.988	2.2	1.53	1.65	0.436
2,3,7,8-TCDF	ng/kg	13	13	100%	0.492	1.28	0.921	0.866	0.229
OCDD	ng/kg	13	13	100%	0.203	0.707	0.321	0.370	0.155
OCDF	ng/kg	13	12	92%	0.0234	0.0994	0.0688	0.0640	0.0263
Percent Lipid	%	13	11	85%	0.1	0.29	0.190	0.160	0.0639
Metals									
Arsenic	mg/kg	12	12	100%	2.09	3.81	3.03	2.97	0.576
Barium	mg/kg	12	12	100%	0.272	2.08	0.502	0.681	0.505
Calcium	mg/kg	12	12	100%	809	18800	1480	3470	5010
Chromium	mg/kg	12	4	33%	0.169	0.544	0.263	0.310	0.176
Copper	mg/kg	12	12	100%	8.93	17.6	13.0	13.1	2.50
Iron	mg/kg	12	12	100%	4.55	14.6	7.96	8.64	3.07
Lead	mg/kg	12	12	100%	0.0296	0.126	0.0387	0.0508	0.0285
Magnesium	mg/kg	12	12	100%	359	1290	511	561	241
Manganese	mg/kg	12	12	100%	0.796	13.7	3.23	4.28	3.44
Mercury	ng/g	13	13	100%	49.5	168	135	132	30.5
Methyl Mercury	ng/g	13	13	100%	47.6	285	171	186	63.6
Potassium	mg/kg	12	12	100%	3520	5620	4820	4770	668
Selenium	mg/kg	12	12	100%	0.579	1.06	0.879	0.855	0.137
Silver	mg/kg	12	12	100%	0.127	0.396	0.283	0.285	0.0727
Sodium	mg/kg	12	12	100%	1520	2910	2250	2210	380
Titanium	mg/kg	12	2	17%	0.176	0.184	0.180	0.180	0.00566
Vanadium	mg/kg	12	1	8%	0.0359	0.0359	NA	NA	NA
Zinc	mg/kg	12	12	100%	38	55.6	46.2	45.5	6.19
PCB Congeners									
PCB-1	ng/kg	13	3	23%	1.29	33.6	3.63	12.8	18.0
PCB-2	ng/kg	13	3	23%	0.764	2.06	0.863	1.23	0.721
PCB-3	ng/kg	11	5	45%	2.33	5.68	2.61	3.28	1.41
PCB-4	ng/kg	13	2	15%	15.5	48.5	32.0	32.0	23.3
PCB-6	ng/kg	13	1	8%	22.1	22.1	NA	NA	NA
PCB-7	ng/kg	13	7	54%	0.859	60.5	2.18	10.4	22.1
PCB-8	ng/kg	13	2	15%	15.9	16	16.0	16.0	0.0707
PCB-9	ng/kg	13	3	23%	0.791	11.5	0.903	4.40	6.15
PCB-11	ng/kg	13	6	46%	20	129	29.7	45.0	42.1
PCB-12/13	ng/kg	13	12	92%	1.94	22.8	4.03	5.92	5.67
PCB-14	ng/kg	13	1	8%	7.13	7.13	NA	NA	NA
PCB-15	ng/kg	13	13	100%	62.6	225	114	120	48.3
PCB-16	ng/kg	13	5	38%	2.04	19.2	2.23	5.57	7.62
PCB-17	ng/kg	13	7	54%	6.45	28	8.49	12.1	7.67
PCB-18/30	ng/kg	13	6	46%	7.92	21	10.6	12.1	5.08
PCB-19	ng/kg	13	7	54%	0.954	1.64	1.18	1.22	0.236
PCB-20/28	ng/kg	13	13	100%	777	3320	1640	1650	710
PCB-21/33	ng/kg	13	9	69%	4.24	37.5	9.15	12.3	10.7
PCB-22	ng/kg	13	12	92%	6.64	51.9	14.1	20.3	15.4
PCB-25	ng/kg	13	12	92%	2.85	17.5	6.49	8.19	4.80
PCB-26/29	ng/kg	13	8	62%	3.08	26.8	10.5	11.4	7.67
PCB-27	ng/kg	13	9	69%	1.44	4.86	1.95	2.68	1.33
PCB-31	ng/kg	13	11	85%	16.5	110	31.4	47.8	34.3

Table 3-11
Statistical Summary of Detected Analytes in the South Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-32	ng/kg	13	12	92%	4.8	33	9.77	13.2	8.59
PCB-34	ng/kg	13	7	54%	0.948	2.39	1.29	1.45	0.510
PCB-35	ng/kg	13	4	31%	0.924	2.44	1.27	1.48	0.708
PCB-36	ng/kg	13	2	15%	0.792	1.26	1.03	1.03	0.331
PCB-37	ng/kg	13	13	100%	75.6	327	165	167	74.9
PCB-38	ng/kg	13	2	15%	0.76	0.826	0.793	0.793	0.0467
PCB-39	ng/kg	13	11	85%	1.32	4.68	2.61	2.75	1.08
PCB-40/71	ng/kg	13	13	100%	11.3	67.9	29.6	36.8	20.1
PCB-42	ng/kg	13	12	92%	3.77	22.4	7.94	10.9	6.33
PCB-43	ng/kg	13	7	54%	1.44	4.84	1.70	2.68	1.42
PCB-44/47/65	ng/kg	13	13	100%	581	2380	1140	1180	487
PCB-46	ng/kg	13	2	15%	0.956	0.983	0.970	0.970	0.0191
PCB-48	ng/kg	13	9	69%	1.92	6.42	2.89	3.55	1.57
PCB-49/69	ng/kg	13	6	46%	15.7	46.9	28.2	28.7	11.5
PCB-50/53	ng/kg	13	4	31%	2.95	4.96	3.77	3.86	0.902
PCB-51	ng/kg	13	3	23%	2.43	3.18	2.82	2.81	0.375
PCB-52	ng/kg	13	9	69%	14.1	68.1	23.7	29.9	17.6
PCB-55	ng/kg	13	8	62%	1.52	9.47	3.50	4.18	2.66
PCB-56	ng/kg	13	13	100%	3.63	44.9	10.4	18.1	14.4
PCB-57	ng/kg	13	2	15%	1.21	1.4	1.31	1.31	0.134
PCB-58	ng/kg	13	2	15%	2.33	2.34	2.34	2.34	0.00707
PCB-60	ng/kg	13	13	100%	146	741	323	355	175
PCB-61/70/74/76	ng/kg	13	13	100%	547	2770	1050	1220	669
PCB-62/75	ng/kg	13	13	100%	41.4	158	86.1	85.3	33.0
PCB-63	ng/kg	13	13	100%	7.83	39.8	15.0	18.9	10.8
PCB-64	ng/kg	13	12	92%	10.9	52.6	17.9	26.5	15.4
PCB-66	ng/kg	13	13	100%	779	3940	1610	1790	1000
PCB-67	ng/kg	13	12	92%	1.4	10.6	3.26	3.93	2.63
PCB-68	ng/kg	13	13	100%	6.08	21.2	9.89	11.4	5.34
PCB-72	ng/kg	13	10	77%	1.9	9.59	3.66	4.33	2.39
PCB-73	ng/kg	13	5	38%	1.76	3.23	2.58	2.48	0.659
PCB-77	ng/kg	8	8	100%	51.5	237	92.6	103	60.9
PCB-79	ng/kg	13	13	100%	1.94	13.7	4.15	4.78	3.08
PCB-81	ng/kg	13	13	100%	2.81	15.4	4.76	6.14	3.77
PCB-82	ng/kg	13	6	46%	1.74	3.17	2.46	2.46	0.521
PCB-84	ng/kg	13	8	62%	2.45	7.1	4.35	4.57	1.96
PCB-85/116/117	ng/kg	13	13	100%	164	1420	288	383	324
PCB-86/87/97/109/119/125	ng/kg	13	12	92%	70.2	443	124	146	99.5
PCB-88	ng/kg	13	1	8%	11.2	11.2	NA	NA	NA
PCB-90/101/113	ng/kg	13	9	69%	41.4	157	70.5	77.1	32.3
PCB-91	ng/kg	13	12	92%	3.68	17.2	9.32	9.82	4.14
PCB-92	ng/kg	13	8	62%	6.2	14.2	9.36	10.0	2.59
PCB-93/100	ng/kg	13	13	100%	31	168	63.7	68.4	37.3
PCB-94	ng/kg	13	7	54%	1.52	4.24	2.31	2.77	0.962
PCB-95	ng/kg	11	8	73%	13.9	68.8	25.6	28.3	17.8
PCB-99	ng/kg	13	13	100%	711	5800	1230	1630	1320
PCB-105	ng/kg	13	13	100%	254	3200	550	732	779
PCB-107	ng/kg	13	13	100%	43	379	80.3	109	88.2
PCB-108/124	ng/kg	13	5	38%	3.02	6.41	4.15	4.63	1.56
PCB-110/115	ng/kg	13	11	85%	56	366	91.9	114	87.0
PCB-111	ng/kg	13	10	77%	1.63	4.42	2.92	2.76	0.951
PCB-112	ng/kg	13	1	8%	1.84	1.84	NA	NA	NA
PCB-114	ng/kg	13	12	92%	23.2	281	44.3	65.9	71.3
PCB-118	ng/kg	13	13	100%	969	12300	2050	2690	2990
PCB-120	ng/kg	13	12	92%	7.14	19.8	13.6	12.7	4.12
PCB-121	ng/kg	13	5	38%	1.42	2.59	1.78	1.86	0.434
PCB-123	ng/kg	13	13	100%	20.6	221	37.0	54.2	53.7
PCB-126	ng/kg	12	11	92%	2.28	22.6	5.30	6.88	5.71
PCB-127	ng/kg	13	5	38%	1.43	15	1.85	4.54	5.86
PCB-128/166	ng/kg	13	13	100%	74	1070	160	213	262
PCB-129/138/163	ng/kg	13	12	92%	554	6570	1140	1510	1640
PCB-130	ng/kg	13	13	100%	7.54	45.7	18.3	19.7	11.1

Table 3-11
Statistical Summary of Detected Analytes in the South Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-132	ng/kg	12	8	67%	2.25	14.4	3.95	5.20	3.95
PCB-133	ng/kg	13	13	100%	17.5	168	36.3	45.8	39.6
PCB-135/151	ng/kg	13	8	62%	8.41	15.8	12.3	12.4	2.49
PCB-136	ng/kg	13	5	38%	1.61	2.32	1.73	1.83	0.285
PCB-137	ng/kg	13	13	100%	29.7	622	62.7	109	156
PCB-139/140	ng/kg	13	13	100%	14.1	191	30.6	41.0	46.0
PCB-141	ng/kg	12	7	58%	4.06	34.4	7.03	10.6	10.6
PCB-144	ng/kg	12	9	75%	1.99	3.41	2.96	2.84	0.446
PCB-146	ng/kg	8	8	100%	105	1090	168	292	331
PCB-147/149	ng/kg	13	9	69%	36.5	160	66.7	72.1	35.5
PCB-148	ng/kg	13	11	85%	4.64	13.6	8.43	8.06	2.52
PCB-153/168	ng/kg	13	13	100%	766	8980	1750	2180	2130
PCB-154	ng/kg	12	12	100%	25.9	171	48.9	58.7	39.4
PCB-155	ng/kg	13	13	100%	7.14	42	17.3	18.3	9.75
PCB-156/157	ng/kg	13	13	100%	74	1310	156	239	327
PCB-158	ng/kg	13	13	100%	62.3	1080	134	207	267
PCB-162	ng/kg	13	11	85%	3.62	39.6	9.05	10.9	10.1
PCB-164	ng/kg	13	7	54%	2.14	5.21	3.03	3.52	1.10
PCB-165	ng/kg	8	3	38%	1.59	3.06	1.63	2.09	0.837
PCB-167	ng/kg	13	13	100%	28.7	454	63.9	90.0	112
PCB-170	ng/kg	13	12	92%	46.1	1100	105	178	293
PCB-171/173	ng/kg	7	7	100%	27.8	547	49.3	117	190
PCB-172	ng/kg	13	12	92%	12.4	239	28.0	42.6	62.5
PCB-174	ng/kg	8	7	88%	1.78	4.69	3.34	3.45	0.994
PCB-175	ng/kg	10	10	100%	5.02	73.6	10.2	16.5	20.5
PCB-176	ng/kg	13	4	31%	1.2	1.69	1.30	1.37	0.218
PCB-177	ng/kg	7	6	86%	12.1	149	21.1	44.5	53.0
PCB-178	ng/kg	11	11	100%	40.7	545	92.4	124	144
PCB-179	ng/kg	13	5	38%	1.54	2.08	1.79	1.77	0.209
PCB-180/193	ng/kg	13	12	92%	213	4460	446	774	1170
PCB-181	ng/kg	5	4	80%	1.26	3.77	1.89	2.20	1.10
PCB-182	ng/kg	8	6	75%	1.48	3.62	2.43	2.53	0.899
PCB-183/185	ng/kg	10	10	100%	72.2	1370	171	281	388
PCB-184	ng/kg	13	7	54%	1.41	2.97	2.02	2.12	0.671
PCB-187	ng/kg	10	10	100%	188	2230	379	546	610
PCB-188	ng/kg	13	11	85%	2.6	7.88	5.59	5.02	1.87
PCB-189	ng/kg	13	13	100%	3.42	45.8	7.49	10.2	11.1
PCB-190	ng/kg	13	12	92%	15.7	355	36.6	60.5	93.7
PCB-191	ng/kg	13	13	100%	3.36	91	7.55	14.0	23.3
PCB-194	ng/kg	13	12	92%	23.2	180	48.4	55.7	42.3
PCB-195	ng/kg	13	13	100%	6.68	106	15.3	20.9	26.2
PCB-196	ng/kg	13	13	100%	22	311	48.5	69.1	75.1
PCB-197/200	ng/kg	12	7	58%	4.37	9.55	7.14	7.01	2.18
PCB-198/199	ng/kg	13	12	92%	56.4	554	119	145	134
PCB-201	ng/kg	13	12	92%	10.2	85.3	20.7	26.3	20.6
PCB-202	ng/kg	13	13	100%	33.4	262	85.6	88.9	59.9
PCB-203	ng/kg	13	13	100%	23.5	222	49.3	61.5	51.8
PCB-206	ng/kg	13	12	92%	17.4	119	36.9	41.8	27.1
PCB-207	ng/kg	13	12	92%	3.68	26.2	8.26	8.86	5.94
PCB-208	ng/kg	13	13	100%	13.2	95.2	33.8	34.8	21.1
PCB-209	ng/kg	12	11	92%	16.7	97.6	35.3	40.9	23.8
Total PCB Congeners (209)	ng/kg	13	13	100%	8630	74400	16600	20300	17200
Aroclor PCBs									
Aroclor-1260	ug/kg	13	2	15%	40	67	53.5	53.5	19.1
Pesticides									
2,4'-DDD	pg/g	13	10	77%	3.99	105	16.8	28.4	32.1
2,4'-DDE	pg/g	12	10	83%	7.76	123	34.7	48.2	36.9
2,4'-DDT	pg/g	13	8	62%	7.17	174	22.6	41.3	55.3
4,4'-DDD	pg/g	13	13	100%	1780	14300	6070	5920	3410
4,4'-DDE	pg/g	13	13	100%	6370	33100	15900	16400	8050
4,4'-DDT	pg/g	12	11	92%	25.2	354	94.6	134	102
Alpha-BHC	pg/g	13	10	77%	5.44	10	6.52	6.88	1.40

Table 3-11
Statistical Summary of Detected Analytes in the South Zone - Crab Edible Muscle

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Alpha-Chlordane	pg/g	13	12	92%	60.2	704	235	298	168
Beta-BHC	pg/g	13	5	38%	7.75	20.1	9.34	11.3	5.06
cis-Nonachlor	pg/g	13	13	100%	179	928	471	487	221
Dieldrin	pg/g	13	13	100%	307	1430	945	889	348
Gamma-BHC (Lindane)	pg/g	13	2	15%	2.69	3.87	3.28	3.28	0.834
Heptachlor Epoxide	pg/g	13	13	100%	60.9	286	152	144	57.6
Hexachlorobenzene	pg/g	13	13	100%	76.5	412	138	166	85.1
Mirex	pg/g	12	9	75%	26.5	69.3	47.5	47.7	14.9
Nonachlor, trans-	pg/g	13	9	69%	358	1910	1020	1140	541
Oxychlordane	pg/g	13	13	100%	549	2160	1020	1170	494
trans-Chlordane	pg/g	12	2	17%	22.2	22.8	22.5	22.5	0.424
trans-Heptachlor Epoxide	pg/g	13	10	77%	115	314	190	198	69.1
Total Alpha + Gamma Chlordane	ppb	13	12	92%	0.06	0.7	0.235	0.301	0.170
Total DDT (2,4)	ppb	13	11	85%	0.012	0.33	0.0820	0.0997	0.0911
Total DDT (4,4)	ppb	13	13	100%	8.2	41	21.0	22.3	10.9
Total DDT (2,4 & 4,4)	ppb	13	13	100%	8.2	42	21.0	22.5	11.1
Semivolatiles									
3,3'-Dichlorobenzidine	ug/kg	13	1	8%	500	500	NA	NA	NA
Acenaphthene	ug/kg	13	1	8%	2.9	2.9	NA	NA	NA
Pyridine	ug/kg	13	1	8%	490	490	NA	NA	NA
Total LMW PAHs	ppb	13	1	8%	2.9	2.9	NA	NA	NA
TOTAL PAHs	ppb	13	1	8%	2.9	2.9	NA	NA	NA
Physical Properties[2]									
Percent Moisture	%	13	13	100%	77.7	83	79.0	79.2	1.47
Water Content ASTM D2216	%	13	13	100%	348	489	377	383	38.2

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-12
Statistical Summary of Detected Analytes - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	37	37	100%	0.52	2.02	0.950	1.05	0.358
1,2,3,4,6,7,8-HpCDF	ng/kg	37	37	100%	0.732	17.7	2.91	4.02	3.67
1,2,3,4,7,8,9-HpCDF	ng/kg	37	31	84%	0.0241	0.519	0.0914	0.113	0.0871
1,2,3,4,7,8-HxCDD	ng/kg	37	37	100%	0.041	0.45	0.136	0.151	0.0834
1,2,3,4,7,8-HxCDF	ng/kg	37	37	100%	0.518	12.9	2.87	3.63	2.99
1,2,3,6,7,8-HxCDD	ng/kg	37	37	100%	0.125	1.27	0.425	0.461	0.217
1,2,3,6,7,8-HxCDF	ng/kg	37	37	100%	0.217	3.69	0.919	1.09	0.796
1,2,3,7,8,9-HxCDD	ng/kg	37	37	100%	0.0565	0.441	0.158	0.183	0.0852
1,2,3,7,8,9-HxCDF	ng/kg	37	33	89%	0.0556	0.301	0.100	0.113	0.0534
1,2,3,7,8-PeCDD	ng/kg	37	31	84%	0.185	1.75	0.568	0.630	0.316
1,2,3,7,8-PeCDF	ng/kg	37	37	100%	0.652	4.21	1.44	1.57	0.733
2,3,4,6,7,8-HxCDF	ng/kg	37	37	100%	0.0837	0.898	0.290	0.314	0.184
2,3,4,7,8-PeCDF	ng/kg	37	37	100%	0.896	10.6	3.29	3.41	1.94
2,3,7,8-TCDD	ng/kg	37	37	100%	3.37	56.1	17.4	19.0	11.1
2,3,7,8-TCDF	ng/kg	37	37	100%	2.97	18.4	6.43	7.01	2.77
OCDD	ng/kg	37	37	100%	2.64	12.6	5.41	6.14	2.71
OCDF	ng/kg	37	37	100%	0.339	23.8	0.629	1.73	3.90
Percent Lipid	%	37	37	100%	0.58	4.6	1.60	1.70	0.819
Metals									
Aluminum	mg/kg	37	34	92%	16.3	287	52.0	60.3	47.1
Arsenic	mg/kg	37	37	100%	1.37	3.3	2.01	2.06	0.450
Barium	mg/kg	37	37	100%	1.34	14.6	3.30	3.72	2.35
Beryllium	mg/kg	37	1	3%	0.0204	0.0204	NA	NA	NA
Cadmium	mg/kg	37	37	100%	0.108	0.637	0.235	0.246	0.0902
Calcium	mg/kg	37	37	100%	2170	13000	4440	4630	1920
Chromium	mg/kg	37	37	100%	0.128	2.01	0.363	0.414	0.308
Cobalt	mg/kg	37	37	100%	0.0672	0.321	0.123	0.133	0.0497
Copper	mg/kg	37	37	100%	8.78	60.3	35.4	36.1	10.0
Iron	mg/kg	37	37	100%	90	2090	181	251	318
Lead	mg/kg	37	37	100%	0.58	18.3	1.33	2.04	2.86
Magnesium	mg/kg	37	37	100%	558	1230	737	790	165
Manganese	mg/kg	37	37	100%	11.4	77.6	27.3	30.6	16.9
Mercury	ng/g	37	37	100%	18.7	153	39.2	45.3	24.0
Methyl Mercury	ng/g	37	37	100%	6.2	61.5	34.2	34.5	10.9
Nickel	mg/kg	37	33	89%	0.206	3.44	0.347	0.472	0.549
Potassium	mg/kg	37	37	100%	1630	2990	2140	2190	367
Selenium	mg/kg	37	37	100%	0.651	1.48	1.03	1.02	0.195
Silver	mg/kg	37	37	100%	0.229	1.83	0.997	1.00	0.307
Sodium	mg/kg	37	37	100%	3470	8460	5440	5770	1120
Titanium	mg/kg	37	31	84%	0.759	5.38	1.64	1.93	0.997
Vanadium	mg/kg	37	37	100%	0.173	0.675	0.302	0.347	0.133
Zinc	mg/kg	37	37	100%	20.4	46	28.2	30.0	6.65
Butyltins									
Dibutyltin	ug/kg	37	4	11%	1.5	4.8	3.30	3.23	1.50
PCB Congeners									
PCB-1	ng/kg	37	12	32%	4.29	51	8.54	12.8	12.8
PCB-2	ng/kg	37	11	30%	1.08	5.03	1.46	1.86	1.08
PCB-3	ng/kg	29	14	48%	1.7	33	4.74	6.79	7.77
PCB-4	ng/kg	37	27	73%	13.8	98.6	23.9	38.9	28.0
PCB-6	ng/kg	37	21	57%	5.89	36.9	12.1	14.1	7.47
PCB-7	ng/kg	37	9	24%	1.09	11.4	1.57	3.29	3.41
PCB-8	ng/kg	37	20	54%	24.7	159	53.7	56.0	29.4
PCB-9	ng/kg	37	15	41%	1.06	11.3	1.98	2.76	2.66
PCB-10	ng/kg	37	14	38%	1.46	20.6	3.33	6.85	6.14
PCB-11	ng/kg	37	34	92%	61.2	279	129	133	46.7
PCB-12/13	ng/kg	37	32	86%	17.1	97.3	36.5	41.9	19.2
PCB-14	ng/kg	37	1	3%	1.33	1.33	NA	NA	NA
PCB-15	ng/kg	37	37	100%	776	2340	1250	1280	380
PCB-16	ng/kg	37	18	49%	9.09	42.3	15.9	19.4	7.61
PCB-17	ng/kg	37	31	84%	26.4	99.7	60.5	59.4	21.0
PCB-18/30	ng/kg	37	25	68%	41.8	162	96.9	102	41.2

Table 3-12
Statistical Summary of Detected Analytes - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-19	ng/kg	37	32	86%	3.1	28.8	7.54	10.3	6.40
PCB-20/28	ng/kg	37	37	100%	8560	63100	20100	22500	11800
PCB-21/33	ng/kg	37	33	89%	39.9	194	87.4	99.0	43.9
PCB-22	ng/kg	37	37	100%	69.8	462	210	214	105
PCB-25	ng/kg	37	36	97%	29.4	246	85.8	97.1	56.6
PCB-26/29	ng/kg	37	36	97%	42.1	186	101	107	42.4
PCB-27	ng/kg	37	37	100%	8.85	50.3	21.2	22.9	10.7
PCB-31	ng/kg	37	36	97%	137	1480	446	492	285
PCB-32	ng/kg	37	33	89%	40	176	94.3	101	43.0
PCB-34	ng/kg	37	35	95%	4.29	37.3	13.6	14.9	8.14
PCB-35	ng/kg	37	33	89%	5.78	30.5	13.6	15.0	6.97
PCB-36	ng/kg	37	27	73%	2.27	13.5	5.58	5.87	2.46
PCB-37	ng/kg	37	37	100%	1320	6030	2240	2510	1040
PCB-38	ng/kg	37	14	38%	2.97	46.9	6.81	11.7	12.1
PCB-39	ng/kg	37	37	100%	6.96	157	27.9	38.6	31.4
PCB-40/71	ng/kg	37	37	100%	155	888	501	507	195
PCB-41	ng/kg	37	13	35%	4.43	12	5.50	6.86	2.39
PCB-42	ng/kg	37	34	92%	35.6	468	128	154	102
PCB-43	ng/kg	37	34	92%	9.27	65.5	31.9	30.9	13.3
PCB-44/47/65	ng/kg	37	37	100%	3240	52200	11700	13500	9700
PCB-45	ng/kg	37	23	62%	3.58	19.1	11.1	10.6	4.51
PCB-46	ng/kg	37	30	81%	2.18	11.4	6.41	6.72	2.68
PCB-48	ng/kg	37	31	84%	16.1	107	51.7	52.2	21.5
PCB-49/69	ng/kg	37	33	89%	107	721	280	331	171
PCB-50/53	ng/kg	37	36	97%	12.8	68.9	32.6	36.8	16.1
PCB-51	ng/kg	37	35	95%	6.6	71.4	24.3	25.1	13.0
PCB-52	ng/kg	37	33	89%	142	1050	344	389	194
PCB-55	ng/kg	37	24	65%	14.4	63	30.5	31.7	13.4
PCB-56	ng/kg	37	36	97%	101	859	333	351	199
PCB-57	ng/kg	37	34	92%	6.72	21.4	13.1	13.1	4.05
PCB-58	ng/kg	37	31	84%	3.91	62.5	14.1	20.3	14.6
PCB-60	ng/kg	37	37	100%	1940	9420	3360	3930	1690
PCB-61/70/74/76	ng/kg	37	37	100%	5760	64600	13900	17300	12200
PCB-62/75	ng/kg	37	36	97%	286	4010	988	1120	764
PCB-63	ng/kg	37	37	100%	51.5	1120	183	277	213
PCB-64	ng/kg	37	34	92%	78.2	1110	282	339	226
PCB-66	ng/kg	37	37	100%	11000	105000	24100	30900	21100
PCB-67	ng/kg	37	36	97%	16.4	130	41.4	52.4	30.4
PCB-68	ng/kg	37	37	100%	29.9	687	124	164	127
PCB-72	ng/kg	37	37	100%	13.3	179	57.5	63.5	33.0
PCB-73	ng/kg	37	31	84%	3.13	43.1	16.0	17.9	9.81
PCB-77	ng/kg	22	22	100%	1090	5240	1770	1990	907
PCB-79	ng/kg	37	36	97%	21.6	276	46.5	66.4	50.3
PCB-80	ng/kg	37	19	51%	2.02	19.6	4.71	6.39	4.21
PCB-81	ng/kg	37	37	100%	28.6	229	55.2	66.8	40.1
PCB-82	ng/kg	37	30	81%	9.92	55.9	25.3	28.9	12.4
PCB-83	ng/kg	37	19	51%	14.7	47.9	24.2	25.8	9.89
PCB-84	ng/kg	37	33	89%	14.3	133	52.5	53.6	22.7
PCB-85/116/117	ng/kg	37	37	100%	1340	16100	3650	4260	3040
PCB-86/87/97/109/119/125	ng/kg	37	37	100%	681	6820	1630	1840	1210
PCB-88	ng/kg	37	2	5%	160	280	220	220	84.9
PCB-89	ng/kg	37	14	38%	1.43	6.68	2.89	3.24	1.59
PCB-90/101/113	ng/kg	37	34	92%	332	2890	1010	1150	617
PCB-91	ng/kg	37	34	92%	37.8	376	119	135	75.8
PCB-92	ng/kg	37	32	86%	72	406	171	189	80.0
PCB-93/100	ng/kg	37	37	100%	216	4000	700	857	695
PCB-94	ng/kg	37	37	100%	7.73	86	29.6	29.4	15.9
PCB-95	ng/kg	29	29	100%	109	560	287	297	115
PCB-96	ng/kg	37	1	3%	1.52	1.52	NA	NA	NA
PCB-98/102	ng/kg	37	24	65%	10.3	88.9	29.7	34.1	20.1
PCB-99	ng/kg	37	37	100%	6120	71300	16900	18800	13400
PCB-103	ng/kg	37	34	92%	3.41	24	10.4	11.1	5.36

Table 3-12
Statistical Summary of Detected Analytes - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-104	ng/kg	37	4	11%	1.7	2.42	1.98	2.02	0.354
PCB-105	ng/kg	37	37	100%	3650	28700	7300	8810	4980
PCB-107	ng/kg	37	37	100%	484	6260	1180	1530	1170
PCB-108/124	ng/kg	37	37	100%	20.3	176	48.3	57.5	31.1
PCB-110/115	ng/kg	37	35	95%	538	3710	1390	1460	683
PCB-111	ng/kg	37	37	100%	15	114	36.4	40.1	19.4
PCB-112	ng/kg	37	12	32%	6	75.6	14.1	21.1	20.1
PCB-114	ng/kg	37	37	100%	198	2550	482	620	434
PCB-118	ng/kg	37	37	100%	10100	130000	22300	30800	23700
PCB-120	ng/kg	37	37	100%	60.1	709	167	196	135
PCB-121	ng/kg	37	35	95%	6.09	92.8	18.2	22.0	16.4
PCB-122	ng/kg	37	18	49%	2.87	39.2	10.4	14.6	10.1
PCB-123	ng/kg	37	36	97%	202	2160	458	592	388
PCB-126	ng/kg	36	34	94%	32.4	272	68.0	78.9	46.1
PCB-127	ng/kg	37	37	100%	6.54	142	19.3	29.8	26.4
PCB-128/166	ng/kg	37	37	100%	673	10700	2000	2430	1830
PCB-129/138/163	ng/kg	37	37	100%	5910	81200	16100	20700	15100
PCB-130	ng/kg	36	36	100%	111	1150	281	327	205
PCB-131	ng/kg	33	28	85%	4.66	48.5	11.2	13.7	8.64
PCB-132	ng/kg	35	31	89%	22.3	178	73.0	76.4	32.5
PCB-133	ng/kg	37	37	100%	201	2070	464	553	331
PCB-134	ng/kg	35	28	80%	5.28	31.8	18.4	18.3	7.11
PCB-135/151	ng/kg	37	34	92%	79.5	383	221	221	80.0
PCB-136	ng/kg	37	36	97%	7.34	46.2	26.4	26.4	9.69
PCB-137	ng/kg	36	36	100%	307	4710	906	1070	821
PCB-139/140	ng/kg	37	37	100%	126	1980	370	431	334
PCB-141	ng/kg	36	32	89%	43.3	220	104	120	47.2
PCB-144	ng/kg	36	36	100%	14.4	109	35.8	39.5	18.9
PCB-146	ng/kg	28	28	100%	1290	10200	3480	3780	1950
PCB-147/149	ng/kg	37	36	97%	377	3100	965	1060	549
PCB-148	ng/kg	37	37	100%	29.9	415	90.3	101	70.1
PCB-150	ng/kg	37	13	35%	1.61	5.85	2.90	3.04	1.33
PCB-153/168	ng/kg	37	37	100%	8170	123000	24400	29900	23900
PCB-154	ng/kg	36	36	100%	223	3650	725	834	643
PCB-155	ng/kg	37	37	100%	38.4	1390	207	265	248
PCB-156/157	ng/kg	37	37	100%	796	11300	1980	2450	1840
PCB-158	ng/kg	37	37	100%	627	9150	1800	2130	1530
PCB-159	ng/kg	37	30	81%	2.98	49.1	7.29	10.8	9.31
PCB-161	ng/kg	33	6	18%	1.53	11.6	3.24	4.81	3.80
PCB-162	ng/kg	34	30	88%	50.6	531	101	138	99.6
PCB-164	ng/kg	37	34	92%	22.2	164	64.0	70.2	33.7
PCB-165	ng/kg	26	26	100%	11.8	46.9	23.0	24.5	8.71
PCB-167	ng/kg	37	37	100%	343	4530	816	1000	744
PCB-169	ng/kg	37	8	22%	1.56	8.95	2.22	2.87	2.48
PCB-170	ng/kg	37	37	100%	639	12900	1930	2540	2250
PCB-171/173	ng/kg	18	17	94%	306	2920	810	993	664
PCB-172	ng/kg	37	37	100%	162	3510	548	681	592
PCB-174	ng/kg	21	17	81%	31.8	148	100	97.8	38.3
PCB-175	ng/kg	29	29	100%	48.1	446	144	158	88.2
PCB-176	ng/kg	37	37	100%	6.33	52.5	18.5	19.7	9.93
PCB-177	ng/kg	15	15	100%	3.56	1720	465	586	410
PCB-178	ng/kg	33	33	100%	365	2880	1250	1230	573
PCB-179	ng/kg	37	37	100%	11.2	97.9	38.2	42.3	19.9
PCB-180/193	ng/kg	37	35	95%	3040	59600	8250	11100	10300
PCB-181	ng/kg	13	13	100%	12.1	130	32.1	44.4	34.7
PCB-182	ng/kg	21	21	100%	11.6	121	28.3	39.4	27.5
PCB-183/185	ng/kg	26	26	100%	1060	9780	2350	3050	2030
PCB-184	ng/kg	37	36	97%	7.91	179	30.8	36.0	31.2
PCB-187	ng/kg	26	26	100%	2230	20800	6060	6820	4060
PCB-188	ng/kg	37	31	84%	18.2	221	53.1	64.3	40.8
PCB-189	ng/kg	37	37	100%	45.7	844	125	161	142
PCB-190	ng/kg	37	37	100%	209	2740	575	656	469

Table 3-12
Statistical Summary of Detected Analytes - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-191	ng/kg	37	37	100%	51.6	895	134	169	147
PCB-192	ng/kg	37	7	19%	2.15	8.79	3.64	5.07	3.11
PCB-194	ng/kg	37	37	100%	301	7280	1070	1310	1250
PCB-195	ng/kg	37	37	100%	73.2	1600	246	335	297
PCB-196	ng/kg	37	37	100%	260	5120	876	1050	901
PCB-197/200	ng/kg	35	34	97%	32.9	566	95.3	125	104
PCB-198/199	ng/kg	37	37	100%	575	11300	2190	2520	1980
PCB-201	ng/kg	37	36	97%	96.5	1610	300	379	289
PCB-202	ng/kg	37	37	100%	254	3040	779	867	527
PCB-203	ng/kg	37	37	100%	301	5950	1060	1270	1120
PCB-204	ng/kg	37	16	43%	2.13	28.7	4.36	7.72	7.06
PCB-205	ng/kg	37	37	100%	7.14	135	20.8	27.3	24.2
PCB-206	ng/kg	37	37	100%	239	3220	748	855	606
PCB-207	ng/kg	37	36	97%	31.2	546	119	139	103
PCB-208	ng/kg	37	37	100%	119	1770	407	484	331
PCB-209	ng/kg	36	36	100%	177	2030	512	609	380
Total PCB Congeners (209)	ng/kg	37	37	100%	102000	970000	226000	270000	180000
Aroclor PCBs									
Aroclor-1262	ug/kg	37	20	54%	12	76	31.5	34.5	18.4
Pesticides									
2,4'-DDD	pg/g	37	37	100%	20.2	513	88.1	110	87.1
2,4'-DDE	pg/g	36	36	100%	44.6	427	133	161	94.1
2,4'-DDT	pg/g	36	27	75%	12.5	663	42.8	71.2	122
4,4'-DDD	pg/g	37	37	100%	6350	54900	14700	17300	11000
4,4'-DDE	pg/g	37	37	100%	28200	221000	57100	61500	33000
4,4'-DDT	pg/g	37	37	100%	77.9	6700	262	557	1150
Alpha-BHC	pg/g	36	33	92%	12	101	24.8	27.3	15.0
Alpha-Chlordane	pg/g	37	36	97%	108	6710	1530	1830	1450
Beta-BHC	pg/g	37	36	97%	23.8	368	55.4	67.7	58.7
cis-Nonachlor	pg/g	37	37	100%	661	28700	3000	3710	4580
Delta-BHC	pg/g	36	2	6%	2.88	4.47	3.68	3.68	1.12
Dieldrin	pg/g	37	37	100%	934	36500	2910	4500	5890
Endosulfan II	pg/g	36	1	3%	23.8	23.8	NA	NA	NA
Endosulfan Sulfate	pg/g	35	2	6%	14.2	25.8	20.0	20.0	8.20
Gamma-BHC (Lindane)	pg/g	37	24	65%	4.58	31.2	8.74	10.3	5.73
Heptachlor	pg/g	37	1	3%	1.77	1.77	NA	NA	NA
Heptachlor Epoxide	pg/g	37	37	100%	487	18000	1950	2430	2900
Hexachlorobenzene	pg/g	37	37	100%	295	3510	729	869	624
Methoxychlor	pg/g	31	1	3%	5.71	5.71	NA	NA	NA
Mirex	pg/g	37	37	100%	40.2	595	107	123	93.3
Nonachlor, trans-	pg/g	36	36	100%	1300	55300	5470	7460	8860
Oxychlordane	pg/g	37	37	100%	2340	81800	8150	11100	13600
trans-Chlordane	pg/g	32	19	59%	79.7	938	202	254	186
trans-Heptachlor Epoxide	pg/g	37	37	100%	224	5310	658	818	826
Total Alpha + Gamma Chlordane	ppb	37	36	97%	0.11	7.6	1.70	1.96	1.57
Total DDT (2,4)	ppb	37	37	100%	0.055	1.5	0.260	0.320	0.243
Total DDT (4,4)	ppb	37	37	100%	36	280	76.0	79.1	42.7
Total DDT (2,4 & 4,4)	ppb	37	37	100%	36	280	76.0	79.3	42.7
Semivolatiles									
1-Methylnaphthalene	ug/kg	37	5	14%	3.4	6.4	3.70	4.40	1.24
2-Methylnaphthalene	ug/kg	37	7	19%	2.7	9.3	4.20	4.84	2.37
4-Methylphenol	ug/kg	37	2	5%	79	86	82.5	82.5	4.95
Acenaphthene	ug/kg	37	33	89%	2.7	19	6.70	8.11	4.37
Acenaphthylene	ug/kg	37	6	16%	2.8	13	3.50	5.00	3.98
Acetophenone	ug/kg	37	1	3%	99	99	NA	NA	NA
Anthracene	ug/kg	37	10	27%	2.7	49	5.65	12.4	16.5
Benzaldehyde	ug/kg	37	20	54%	410	6500	1650	2190	1650
Benzo(a)anthracene	ug/kg	37	26	70%	2.6	93	6.75	12.2	18.0
Benzo(a)pyrene	ug/kg	37	21	57%	2.7	46	5.00	9.01	10.3
Benzo(b)fluoranthene	ug/kg	37	20	54%	2.8	39	4.65	8.85	9.16
Benzo(e)pyrene	ug/kg	37	19	51%	2.7	29	3.90	6.81	6.63
Benzo(g,h,i)perylene	ug/kg	37	18	49%	2.7	25	3.95	6.84	6.02

Table 3-12
Statistical Summary of Detected Analytes - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Benzo(j,k)fluoranthene	ug/kg	37	19	51%	3.2	42	4.70	8.71	9.33
Benzoic Acid	ug/kg	37	11	30%	880	15000	4100	5800	4670
C1-Chrysenes	ug/kg	37	9	24%	2.7	31	4.50	8.08	8.91
C1-Fluoranthenes/Pyrenes	ug/kg	37	6	16%	15	110	33.0	42.3	34.5
C1-Naphthalenes	ug/kg	37	26	70%	2.7	15	4.80	5.73	2.93
C1-Phenanthrenes/Anthracenes	ug/kg	37	2	5%	18	71	44.5	44.5	37.5
C2-Naphthalenes	ug/kg	37	10	27%	3	10	4.10	5.22	2.53
C2-Phenanthrene/anthracenes	ug/kg	37	1	3%	34	34	NA	NA	NA
C3-Naphthalene	ug/kg	37	2	5%	7.2	9	8.10	8.10	1.27
Chrysene	ug/kg	37	24	65%	2.8	60	5.55	9.25	11.8
Dibenzo(a,h)anthracene	ug/kg	37	6	16%	3	9.9	3.35	4.93	2.83
Fluoranthene	ug/kg	37	25	68%	2.7	210	11.0	24.1	41.6
Fluorene	ug/kg	37	4	11%	2.8	14	3.75	6.08	5.35
Indeno(1,2,3-cd)pyrene	ug/kg	37	17	46%	2.9	35	4.80	9.35	8.91
Naphthalene	ug/kg	37	8	22%	2.7	13	4.05	5.31	3.35
Perylene	ug/kg	37	5	14%	3.7	13	5.20	6.58	3.84
Phenanthrene	ug/kg	37	19	51%	3	110	5.90	15.4	25.2
Phenol	ug/kg	37	4	11%	240	670	390	423	217
Pyrene	ug/kg	37	28	76%	2.8	150	8.00	17.2	28.4
Pyridine	ug/kg	37	7	19%	360	900	510	561	219
Total HMW PAHs	ppb	37	28	76%	2.8	710	51.5	88.1	138
Total LMW PAHs	ppb	37	33	89%	2.8	190	12.0	24.6	36.7
TOTAL PAHs	ppb	37	34	92%	3.2	900	52.5	96.7	164
Physical Properties[2]									
Percent Moisture	%	37	37	100%	10.8	82	79.9	77.6	11.4
Water Content ASTM D2216	%	37	37	100%	12.2	455	397	379	74.1

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-13
Statistical Summary of Detected Analytes in the North Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	12	12	100%	0.825	2.02	1.38	1.34	0.362
1,2,3,4,6,7,8-HpCDF	ng/kg	12	12	100%	3.38	17.7	7.27	7.94	3.94
1,2,3,4,7,8,9-HpCDF	ng/kg	12	10	83%	0.0241	0.519	0.104	0.140	0.139
1,2,3,4,7,8-HxCDD	ng/kg	12	12	100%	0.118	0.45	0.180	0.213	0.100
1,2,3,4,7,8-HxCDF	ng/kg	12	12	100%	3.37	12.9	6.48	6.89	2.84
1,2,3,6,7,8-HxCDD	ng/kg	12	12	100%	0.366	1.27	0.601	0.643	0.243
1,2,3,6,7,8-HxCDF	ng/kg	12	12	100%	0.956	3.69	1.84	1.95	0.750
1,2,3,7,8,9-HxCDD	ng/kg	12	12	100%	0.14	0.441	0.213	0.250	0.0891
1,2,3,7,8,9-HxCDF	ng/kg	12	12	100%	0.0774	0.301	0.106	0.125	0.0609
1,2,3,7,8-PeCDD	ng/kg	12	10	83%	0.392	1.75	0.832	0.872	0.362
1,2,3,7,8-PeCDF	ng/kg	12	12	100%	1.28	4.21	2.02	2.24	0.798
2,3,4,6,7,8-HxCDF	ng/kg	12	12	100%	0.296	0.898	0.453	0.505	0.173
2,3,4,7,8-PeCDF	ng/kg	12	12	100%	3.55	10.6	4.59	5.25	1.97
2,3,7,8-TCDD	ng/kg	12	12	100%	17.4	56.1	27.6	29.3	11.0
2,3,7,8-TCDF	ng/kg	12	12	100%	5.47	18.4	8.38	8.97	3.41
OCDD	ng/kg	12	12	100%	4.21	12.2	9.23	8.09	2.72
OCDF	ng/kg	12	12	100%	0.832	23.8	1.58	3.63	6.42
Percent Lipid	%	12	12	100%	1.1	4.6	1.50	1.84	1.00
Metals									
Aluminum	mg/kg	12	11	92%	28.8	287	75.0	91.1	71.4
Arsenic	mg/kg	12	12	100%	1.37	2.45	1.77	1.82	0.373
Barium	mg/kg	12	12	100%	3.3	14.6	4.84	5.88	3.03
Beryllium	mg/kg	12	1	8%	0.0204	0.0204	NA	NA	NA
Cadmium	mg/kg	12	12	100%	0.126	0.637	0.198	0.253	0.137
Calcium	mg/kg	12	12	100%	2170	13000	5050	5430	2830
Chromium	mg/kg	12	12	100%	0.245	2.01	0.453	0.595	0.468
Cobalt	mg/kg	12	12	100%	0.127	0.321	0.159	0.176	0.0550
Copper	mg/kg	12	12	100%	8.78	53	35.6	35.1	10.8
Iron	mg/kg	12	12	100%	146	2090	195	374	544
Lead	mg/kg	12	12	100%	0.886	3.57	1.49	1.67	0.790
Magnesium	mg/kg	12	12	100%	644	1230	766	811	166
Manganese	mg/kg	12	12	100%	24.5	77.6	32.6	41.5	19.4
Mercury	ng/g	12	12	100%	34.8	153	48.3	60.1	35.3
Methyl Mercury	ng/g	12	12	100%	31.2	53.5	40.7	39.8	6.69
Nickel	mg/kg	12	12	100%	0.264	3.44	0.355	0.657	0.886
Potassium	mg/kg	12	12	100%	1800	2790	1950	2110	326
Selenium	mg/kg	12	12	100%	0.748	1.28	0.918	0.951	0.162
Silver	mg/kg	12	12	100%	0.451	1.83	1.05	1.10	0.358
Sodium	mg/kg	12	12	100%	3470	7070	5380	5340	925
Titanium	mg/kg	12	12	100%	1.47	5.38	2.23	2.68	1.13
Vanadium	mg/kg	12	12	100%	0.238	0.598	0.331	0.388	0.145
Zinc	mg/kg	12	12	100%	20.4	44	29.8	30.3	7.36
PCB Congeners									
PCB-1	ng/kg	12	4	33%	5.56	51	10.4	19.3	21.6
PCB-2	ng/kg	12	3	25%	1.45	5.03	1.87	2.78	1.96
PCB-3	ng/kg	9	5	56%	3.99	33	5.48	11.3	12.3
PCB-4	ng/kg	12	10	83%	16.6	84	30.7	38.2	25.2
PCB-6	ng/kg	12	10	83%	10.7	36.9	15.6	18.0	8.25
PCB-7	ng/kg	12	2	17%	1.57	4.18	2.88	2.88	1.85
PCB-8	ng/kg	12	6	50%	42.8	159	57.6	74.2	43.1
PCB-9	ng/kg	12	4	33%	1.82	11.3	4.28	5.42	4.38
PCB-10	ng/kg	12	3	25%	1.52	13.5	2.63	5.88	6.62
PCB-11	ng/kg	12	12	100%	85.7	279	134	148	58.6
PCB-12/13	ng/kg	12	12	100%	27.8	97.3	57.5	57.0	18.7
PCB-15	ng/kg	12	12	100%	829	2340	1460	1490	402
PCB-16	ng/kg	12	6	50%	15.7	42.3	19.5	22.9	10.3
PCB-17	ng/kg	12	10	83%	44.2	95.7	68.0	67.2	15.2
PCB-18/30	ng/kg	12	8	67%	75.6	162	113	117	29.1
PCB-19	ng/kg	12	9	75%	4.97	18.9	8.96	9.55	4.23

Table 3-13
Statistical Summary of Detected Analytes in the North Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-20/28	ng/kg	12	12	100%	18500	63100	29600	32300	13700
PCB-21/33	ng/kg	12	10	83%	78	185	136	134	35.8
PCB-22	ng/kg	12	12	100%	134	435	241	254	85.9
PCB-25	ng/kg	12	12	100%	47.7	246	133	142	64.4
PCB-26/29	ng/kg	12	12	100%	62.1	186	139	133	37.2
PCB-27	ng/kg	12	12	100%	15.7	29.7	21.7	22.4	4.96
PCB-31	ng/kg	12	12	100%	212	1480	561	639	332
PCB-32	ng/kg	12	10	83%	63.5	174	130	120	33.4
PCB-34	ng/kg	12	12	100%	13.6	37.3	21.5	22.5	7.87
PCB-35	ng/kg	12	12	100%	8.8	30.5	20.3	20.1	6.50
PCB-36	ng/kg	12	8	67%	3.02	13.5	6.04	7.13	3.62
PCB-37	ng/kg	12	12	100%	1820	6030	3070	3280	1220
PCB-38	ng/kg	12	6	50%	3.94	46.9	16.0	19.6	15.4
PCB-39	ng/kg	12	12	100%	26.7	157	61.4	67.6	37.9
PCB-40/71	ng/kg	12	12	100%	381	888	657	645	161
PCB-41	ng/kg	12	2	17%	4.43	5.24	4.84	4.84	0.573
PCB-42	ng/kg	12	11	92%	71.8	468	176	209	118
PCB-43	ng/kg	12	12	100%	19.9	65.5	40.8	40.6	13.0
PCB-44/47/65	ng/kg	12	12	100%	9350	52200	19000	22500	11700
PCB-45	ng/kg	12	7	58%	5.6	19.1	11.1	11.3	5.20
PCB-46	ng/kg	12	11	92%	3.49	11.4	6.64	7.69	2.87
PCB-48	ng/kg	12	10	83%	35.2	107	65.2	69.3	21.6
PCB-49/69	ng/kg	12	10	83%	164	587	401	374	135
PCB-50/53	ng/kg	12	12	100%	22.2	62.7	37.9	42.0	13.9
PCB-51	ng/kg	12	12	100%	16	71.4	33.4	35.1	13.7
PCB-52	ng/kg	12	10	83%	244	643	404	430	136
PCB-55	ng/kg	12	7	58%	29.3	54.8	39.9	39.7	9.49
PCB-56	ng/kg	12	12	100%	200	859	407	450	203
PCB-57	ng/kg	12	12	100%	8.41	20.9	14.1	15.0	4.09
PCB-58	ng/kg	12	12	100%	11.2	52.5	23.9	26.6	12.0
PCB-60	ng/kg	12	12	100%	3100	9420	4870	5430	2010
PCB-61/70/74/76	ng/kg	12	12	100%	13300	64600	23600	28300	15400
PCB-62/75	ng/kg	12	12	100%	885	4010	1490	1820	892
PCB-63	ng/kg	12	12	100%	147	1120	397	455	266
PCB-64	ng/kg	12	11	92%	136	1110	384	451	273
PCB-66	ng/kg	12	12	100%	23900	105000	39700	49500	26400
PCB-67	ng/kg	12	11	92%	34.8	130	79.8	82.7	31.1
PCB-68	ng/kg	12	12	100%	101	687	246	271	159
PCB-72	ng/kg	12	12	100%	41.7	179	85.4	91.3	38.1
PCB-73	ng/kg	12	12	100%	9.73	43.1	21.0	22.0	9.08
PCB-77	ng/kg	7	7	100%	1660	5240	2440	2660	1230
PCB-79	ng/kg	12	12	100%	47.7	276	97.4	112	63.2
PCB-80	ng/kg	12	8	67%	4.16	19.6	8.48	9.69	4.66
PCB-81	ng/kg	12	12	100%	49.2	229	89.8	102	53.2
PCB-82	ng/kg	12	9	75%	16.1	47.9	31.3	27.9	10.4
PCB-83	ng/kg	12	7	58%	15.1	41	23.1	25.4	8.47
PCB-84	ng/kg	12	10	83%	38	133	66.0	71.6	26.7
PCB-85/116/117	ng/kg	12	12	100%	3160	16100	5830	7060	3840
PCB-86/87/97/109/119/125	ng/kg	12	12	100%	1460	6820	2310	2930	1520
PCB-88	ng/kg	12	1	8%	280	280	NA	NA	NA
PCB-89	ng/kg	12	4	33%	1.54	6.68	2.67	3.39	2.28
PCB-90/101/113	ng/kg	12	11	92%	760	2890	1530	1630	696
PCB-91	ng/kg	12	11	92%	76.1	376	183	194	86.2
PCB-92	ng/kg	12	10	83%	148	406	196	222	78.0
PCB-93/100	ng/kg	12	12	100%	640	4000	1200	1480	892
PCB-94	ng/kg	12	12	100%	27.3	86	39.6	43.5	16.3
PCB-95	ng/kg	12	12	100%	198	560	374	384	114
PCB-98/102	ng/kg	12	9	75%	18.7	88.9	48.2	49.3	22.2
PCB-99	ng/kg	12	12	100%	13400	71300	25300	31200	16800
PCB-103	ng/kg	12	12	100%	6.08	24	12.4	13.2	5.70
PCB-104	ng/kg	12	2	17%	1.74	2.42	2.08	2.08	0.481

Table 3-13
Statistical Summary of Detected Analytes in the North Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-105	ng/kg	12	12	100%	6680	28700	11600	13100	6640
PCB-107	ng/kg	12	12	100%	948	6260	2010	2510	1600
PCB-108/124	ng/kg	12	12	100%	32.4	176	66.6	78.2	41.7
PCB-110/115	ng/kg	12	12	100%	1120	3710	1740	1970	760
PCB-111	ng/kg	12	12	100%	30.1	114	47.5	56.9	24.4
PCB-112	ng/kg	12	4	33%	21.8	75.6	35.2	42.0	23.3
PCB-114	ng/kg	12	12	100%	438	2550	842	991	593
PCB-118	ng/kg	12	12	100%	20900	130000	40700	50900	32800
PCB-120	ng/kg	12	12	100%	146	709	246	318	174
PCB-121	ng/kg	12	11	92%	17.3	92.8	29.6	36.7	21.8
PCB-122	ng/kg	12	6	50%	5.17	39.2	20.7	21.3	13.0
PCB-123	ng/kg	12	12	100%	422	2160	806	925	509
PCB-126	ng/kg	12	12	100%	56.5	272	101	115	60.7
PCB-127	ng/kg	12	12	100%	18.3	142	39.5	52.3	36.4
PCB-128/166	ng/kg	12	12	100%	1570	10700	3300	3940	2560
PCB-129/138/163	ng/kg	12	12	100%	13200	81200	28100	33600	20600
PCB-130	ng/kg	11	11	100%	205	1150	401	495	278
PCB-131	ng/kg	10	9	90%	8.43	48.5	16.9	20.1	12.2
PCB-132	ng/kg	10	8	80%	44.4	132	71.5	73.5	26.8
PCB-133	ng/kg	12	12	100%	301	2070	696	806	465
PCB-134	ng/kg	10	9	90%	12.4	31.3	17.8	20.0	6.23
PCB-135/151	ng/kg	12	10	83%	143	373	234	250	76.0
PCB-136	ng/kg	12	12	100%	17	46.2	29.5	30.8	10.2
PCB-137	ng/kg	11	11	100%	699	4710	1560	1810	1150
PCB-139/140	ng/kg	12	12	100%	283	1980	553	701	466
PCB-141	ng/kg	12	10	83%	90.7	220	158	155	45.8
PCB-144	ng/kg	11	11	100%	33.2	109	50.1	57.2	21.5
PCB-146	ng/kg	9	9	100%	2360	10200	5110	5450	2380
PCB-147/149	ng/kg	12	12	100%	651	3100	1440	1480	658
PCB-148	ng/kg	12	12	100%	70.9	415	120	155	97.5
PCB-150	ng/kg	12	2	17%	1.92	2.09	2.01	2.01	0.120
PCB-153/168	ng/kg	12	12	100%	17800	123000	41800	50400	32700
PCB-154	ng/kg	11	11	100%	576	3650	1120	1400	903
PCB-155	ng/kg	12	12	100%	164	1390	394	476	334
PCB-156/157	ng/kg	12	12	100%	1600	11300	3260	3930	2630
PCB-158	ng/kg	12	12	100%	1340	9150	2920	3390	2140
PCB-159	ng/kg	12	11	92%	9.59	49.1	14.3	18.5	11.5
PCB-161	ng/kg	9	2	22%	6.9	11.6	9.25	9.25	3.32
PCB-162	ng/kg	12	9	75%	106	531	213	237	132
PCB-164	ng/kg	12	11	92%	45.6	164	85.0	92.4	35.4
PCB-165	ng/kg	9	9	100%	15	46.9	28.3	29.6	10.7
PCB-167	ng/kg	12	12	100%	645	4530	1330	1600	1060
PCB-169	ng/kg	12	2	17%	2.26	8.95	5.61	5.61	4.73
PCB-170	ng/kg	12	12	100%	1560	12900	3980	4540	3020
PCB-171/173	ng/kg	6	6	100%	639	2920	1310	1510	863
PCB-172	ng/kg	12	12	100%	405	3510	1000	1190	815
PCB-174	ng/kg	6	4	67%	70	147	125	117	33.5
PCB-175	ng/kg	8	8	100%	97.1	446	233	245	109
PCB-176	ng/kg	12	12	100%	12.3	52.5	28.0	27.9	11.1
PCB-177	ng/kg	5	5	100%	412	1720	916	949	481
PCB-178	ng/kg	9	9	100%	793	2880	1850	1790	663
PCB-179	ng/kg	12	12	100%	20.6	97.9	38.9	46.6	23.1
PCB-180/193	ng/kg	12	11	92%	6850	59600	14200	19500	14900
PCB-181	ng/kg	5	5	100%	32.1	130	76.2	75.1	39.1
PCB-182	ng/kg	6	6	100%	32.3	121	60.2	67.3	34.0
PCB-183/185	ng/kg	6	6	100%	2280	9780	4860	5390	2960
PCB-184	ng/kg	12	12	100%	25	179	48.5	61.1	42.8
PCB-187	ng/kg	7	7	100%	4650	20800	10200	10800	5330
PCB-188	ng/kg	12	11	92%	36.9	221	84.3	94.3	51.8
PCB-189	ng/kg	12	12	100%	97	844	232	279	201
PCB-190	ng/kg	12	12	100%	442	2740	946	1090	578

Table 3-13
Statistical Summary of Detected Analytes in the North Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-191	ng/kg	12	12	100%	102	895	240	283	214
PCB-192	ng/kg	12	4	33%	3.64	8.79	8.11	7.16	2.39
PCB-194	ng/kg	12	12	100%	780	7280	1930	2380	1720
PCB-195	ng/kg	12	12	100%	200	1600	521	609	382
PCB-196	ng/kg	12	12	100%	660	5120	1560	1840	1190
PCB-197/200	ng/kg	11	10	91%	87.2	566	205	227	142
PCB-198/199	ng/kg	12	12	100%	1540	11300	3780	4320	2510
PCB-201	ng/kg	12	12	100%	219	1610	503	612	392
PCB-202	ng/kg	12	12	100%	459	3040	1140	1280	690
PCB-203	ng/kg	12	12	100%	788	5950	1920	2300	1420
PCB-204	ng/kg	12	7	58%	4.1	28.7	12.1	12.8	8.27
PCB-205	ng/kg	12	12	100%	17.9	135	41.0	49.1	32.0
PCB-206	ng/kg	12	12	100%	536	3220	1230	1400	749
PCB-207	ng/kg	12	12	100%	92.7	546	189	231	128
PCB-208	ng/kg	12	12	100%	306	1770	693	772	411
PCB-209	ng/kg	11	11	100%	395	2030	839	938	482
Total PCB Congeners (209)	ng/kg	12	12	100%	194000	970000	358000	431000	235000
Aroclor PCBs									
Aroclor-1262	ug/kg	12	6	50%	48	76	54.0	56.7	10.4
Pesticides									
2,4'-DDD	pg/g	12	12	100%	31.2	141	76.2	76.9	34.8
2,4'-DDE	pg/g	11	11	100%	59.9	312	117	134	63.3
2,4'-DDT	pg/g	12	8	67%	14.9	79.1	35.9	41.6	22.3
4,4'-DDD	pg/g	12	12	100%	6350	54900	15600	18800	13300
4,4'-DDE	pg/g	12	12	100%	31000	221000	60500	73900	52300
4,4'-DDT	pg/g	12	12	100%	79.9	6700	267	817	1860
Alpha-BHC	pg/g	12	11	92%	15.9	101	26.5	34.6	23.8
Alpha-Chlordane	pg/g	12	12	100%	324	6710	1670	2340	1830
Beta-BHC	pg/g	12	12	100%	50.5	368	86.8	108	88.1
cis-Nonachlor	pg/g	12	12	100%	2970	28700	4680	6820	7120
Dieldrin	pg/g	12	12	100%	1910	36500	5630	8170	9390
Gamma-BHC (Lindane)	pg/g	12	9	75%	7.37	31.2	11.7	14.1	7.54
Heptachlor Epoxide	pg/g	12	12	100%	2100	18000	3100	4540	4410
Hexachlorobenzene	pg/g	12	12	100%	905	3510	1180	1460	779
Mirex	pg/g	12	12	100%	79	595	124	180	144
Nonachlor, trans-	pg/g	12	12	100%	5040	55300	9300	13400	13600
Oxychlordane	pg/g	12	12	100%	8150	81800	12700	20400	21100
trans-Chlordane	pg/g	11	10	91%	148	938	267	328	232
trans-Heptachlor Epoxide	pg/g	12	12	100%	441	5310	919	1350	1290
Total Alpha + Gamma Chlordane	ppb	12	12	100%	0.32	7.6	1.90	2.62	2.03
Total DDT (2,4)	ppb	12	12	100%	0.055	0.5	0.230	0.227	0.108
Total DDT (4,4)	ppb	12	12	100%	40	280	76.0	93.4	66.6
Total DDT (2,4 & 4,4)	ppb	12	12	100%	40	280	76.5	93.6	66.5
Semivolatiles									
1-Methylnaphthalene	ug/kg	12	4	33%	3.4	4.8	3.70	3.90	0.616
2-Methylnaphthalene	ug/kg	12	4	33%	3.2	6.8	4.20	4.60	1.54
Acenaphthene	ug/kg	12	11	92%	5.3	19	11.0	11.9	3.95
Acenaphthylene	ug/kg	12	4	33%	2.8	4.4	2.85	3.23	0.785
Acetophenone	ug/kg	12	1	8%	99	99	NA	NA	NA
Anthracene	ug/kg	12	7	58%	2.7	49	5.70	11.6	16.6
Benzaldehyde	ug/kg	12	9	75%	1400	6500	2000	3060	1790
Benzo(a)anthracene	ug/kg	12	11	92%	4.1	31	7.80	12.7	9.25
Benzo(a)pyrene	ug/kg	12	11	92%	3.8	23	6.40	9.68	7.26
Benzo(b)fluoranthene	ug/kg	12	11	92%	3.6	22	4.90	9.16	7.09
Benzo(e)pyrene	ug/kg	12	10	83%	2.7	15	6.00	7.41	4.64
Benzo(g,h,i)perylene	ug/kg	12	11	92%	2.7	16	4.40	6.56	4.55
Benzo(j,k)fluoranthene	ug/kg	12	11	92%	3.3	19	5.40	8.29	5.62
Benzoic Acid	ug/kg	12	9	75%	1900	15000	6000	6880	4480
C1-Chrysenes	ug/kg	12	5	42%	3.2	8.7	7.40	6.40	2.42
C1-Fluoranthenes/Pyrenes	ug/kg	12	5	42%	15	42	32.0	28.8	10.8

Table 3-13
Statistical Summary of Detected Analytes in the North Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C1-Naphthalenes	ug/kg	12	8	67%	3.2	12	6.45	6.65	3.10
C1-Phenanthrenes/Anthracenes	ug/kg	12	1	8%	18	18	NA	NA	NA
C2-Naphthalenes	ug/kg	12	3	25%	3.5	5.4	3.80	4.23	1.02
C3-Naphthalene	ug/kg	12	1	8%	7.2	7.2	NA	NA	NA
Chrysene	ug/kg	12	11	92%	3	19	7.40	9.45	5.69
Dibenzo(a,h)anthracene	ug/kg	12	4	33%	3	3.4	3.25	3.23	0.171
Fluoranthene	ug/kg	12	11	92%	6	62	14.0	25.3	18.9
Fluorene	ug/kg	12	1	8%	4.6	4.6	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	12	11	92%	4.1	24	5.20	8.73	6.83
Naphthalene	ug/kg	12	5	42%	2.7	6.1	4.20	4.52	1.50
Perylene	ug/kg	12	4	33%	3.7	7.1	4.55	4.98	1.56
Phenanthrene	ug/kg	12	10	83%	5.3	49	9.45	14.0	13.4
Pyrene	ug/kg	12	11	92%	4.9	52	13.0	19.4	14.4
Pyridine	ug/kg	12	2	17%	360	400	380	380	28.3
Total HMW PAHs	ppb	12	11	92%	42	260	66.0	110	78.4
Total LMW PAHs	ppb	12	11	92%	5.3	110	37.0	37.1	29.6
TOTAL PAHs	ppb	12	11	92%	47	370	110	148	105
Physical Properties[2]									
Percent Moisture	%	12	12	100%	10.8	81.8	80.2	74.4	20.1
Water Content ASTM D2216	%	12	12	100%	12.2	448	405	374	117

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-14
Statistical Summary of Detected Analytes in the Central Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	12	12	100%	0.52	1.23	0.874	0.876	0.207
1,2,3,4,6,7,8-HpCDF	ng/kg	12	12	100%	0.926	4.67	2.82	2.82	1.30
1,2,3,4,7,8,9-HpCDF	ng/kg	12	9	75%	0.0643	0.175	0.0886	0.112	0.0465
1,2,3,4,7,8-HxCDD	ng/kg	12	12	100%	0.041	0.243	0.144	0.138	0.0670
1,2,3,4,7,8-HxCDF	ng/kg	12	12	100%	0.643	4.88	3.13	2.91	1.43
1,2,3,6,7,8-HxCDD	ng/kg	12	12	100%	0.125	0.64	0.474	0.419	0.177
1,2,3,6,7,8-HxCDF	ng/kg	12	12	100%	0.217	1.5	0.916	0.883	0.421
1,2,3,7,8,9-HxCDD	ng/kg	12	12	100%	0.0565	0.344	0.170	0.174	0.0809
1,2,3,7,8,9-HxCDF	ng/kg	12	11	92%	0.0556	0.23	0.0961	0.113	0.0598
1,2,3,7,8-PeCDD	ng/kg	12	11	92%	0.205	0.891	0.499	0.544	0.248
1,2,3,7,8-PeCDF	ng/kg	12	12	100%	0.652	2.03	1.61	1.44	0.485
2,3,4,6,7,8-HxCDF	ng/kg	12	12	100%	0.0837	0.465	0.291	0.277	0.122
2,3,4,7,8-PeCDF	ng/kg	12	12	100%	1.22	5.05	3.36	3.20	1.30
2,3,7,8-TCDD	ng/kg	12	12	100%	8.51	32	20.3	18.7	7.06
2,3,7,8-TCDF	ng/kg	12	12	100%	2.97	9.71	6.73	6.79	2.16
OCDD	ng/kg	12	12	100%	3.6	9.18	4.17	4.61	1.56
OCDF	ng/kg	12	12	100%	0.379	2.69	0.558	0.711	0.631
Percent Lipid	%	12	12	100%	0.6	2.5	1.85	1.80	0.578
Metals									
Aluminum	mg/kg	12	11	92%	16.3	76.4	44.1	44.0	19.5
Arsenic	mg/kg	12	12	100%	1.56	2.84	2.08	2.16	0.389
Barium	mg/kg	12	12	100%	1.34	3.84	2.42	2.63	0.882
Cadmium	mg/kg	12	12	100%	0.193	0.283	0.249	0.244	0.0277
Calcium	mg/kg	12	12	100%	2480	5850	4250	4130	1060
Chromium	mg/kg	12	12	100%	0.128	0.563	0.302	0.303	0.141
Cobalt	mg/kg	12	12	100%	0.0903	0.222	0.113	0.120	0.0346
Copper	mg/kg	12	12	100%	24	58.6	37.0	37.4	9.68
Iron	mg/kg	12	12	100%	90	284	183	180	56.5
Lead	mg/kg	12	12	100%	0.58	4.19	1.22	1.42	0.933
Magnesium	mg/kg	12	12	100%	558	1140	709	778	175
Manganese	mg/kg	12	12	100%	16.8	76.8	25.6	30.2	16.5
Mercury	ng/g	12	12	100%	31.6	54.4	40.3	41.9	8.54
Methyl Mercury	ng/g	12	12	100%	19.1	61.5	32.8	37.4	12.1
Nickel	mg/kg	12	8	67%	0.237	0.585	0.316	0.346	0.108
Potassium	mg/kg	12	12	100%	2070	2990	2230	2390	354
Selenium	mg/kg	12	12	100%	0.806	1.48	1.19	1.15	0.186
Silver	mg/kg	12	12	100%	0.768	1.36	1.03	1.05	0.192
Sodium	mg/kg	12	12	100%	3990	7770	5650	5840	1200
Titanium	mg/kg	12	11	92%	0.759	2.7	1.22	1.37	0.536
Vanadium	mg/kg	12	12	100%	0.173	0.461	0.299	0.298	0.0873
Zinc	mg/kg	12	12	100%	23.8	46	29.8	31.7	7.79
Butyltins									
Dibutyltin	ug/kg	12	1	8%	1.5	1.5	NA	NA	NA
PCB Congeners									
PCB-1	ng/kg	12	3	25%	4.29	18	12.7	11.7	6.91
PCB-2	ng/kg	12	5	42%	1.33	2.01	1.46	1.60	0.281
PCB-3	ng/kg	9	3	33%	1.7	5.88	4.76	4.11	2.16
PCB-4	ng/kg	12	10	83%	15.8	98.6	42.8	50.7	35.3
PCB-6	ng/kg	12	4	33%	6.82	11.6	7.36	8.29	2.25
PCB-7	ng/kg	12	3	25%	1.55	11.4	1.63	4.86	5.66
PCB-8	ng/kg	12	8	67%	24.9	68.3	49.9	45.9	17.0
PCB-9	ng/kg	12	6	50%	1.07	2.55	2.22	2.01	0.544
PCB-10	ng/kg	12	7	58%	1.46	20.6	10.2	9.67	6.71
PCB-11	ng/kg	12	10	83%	101	192	144	141	27.3
PCB-12/13	ng/kg	12	9	75%	21.9	43.5	35.0	34.5	6.15
PCB-15	ng/kg	12	12	100%	911	1890	1260	1230	270
PCB-16	ng/kg	12	5	42%	12.6	25.8	14.9	18.2	5.82
PCB-17	ng/kg	12	11	92%	35.9	99.7	68.3	66.9	20.4
PCB-18/30	ng/kg	12	8	67%	59.3	161	116	113	48.2

Table 3-14
Statistical Summary of Detected Analytes in the Central Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-19	ng/kg	12	11	92%	5.71	28.8	10.1	14.2	8.61
PCB-20/28	ng/kg	12	12	100%	10700	34100	19400	20100	7190
PCB-21/33	ng/kg	12	11	92%	59.8	120	87.4	90.8	20.3
PCB-22	ng/kg	12	12	100%	99.8	326	228	215	74.2
PCB-25	ng/kg	12	12	100%	49.4	159	85.8	92.5	34.8
PCB-26/29	ng/kg	12	12	100%	60	167	101	109	31.8
PCB-27	ng/kg	12	12	100%	13.2	50.3	25.7	29.3	13.1
PCB-31	ng/kg	12	11	92%	302	959	476	551	226
PCB-32	ng/kg	12	11	92%	52.9	176	124	120	38.0
PCB-34	ng/kg	12	12	100%	6.19	18.8	12.6	12.9	4.29
PCB-35	ng/kg	12	9	75%	8.3	15.2	13.4	12.7	2.29
PCB-36	ng/kg	12	9	75%	3.91	8.26	6.33	6.07	1.48
PCB-37	ng/kg	12	12	100%	1320	3630	2210	2260	665
PCB-38	ng/kg	12	3	25%	3.75	13.1	7.47	8.11	4.71
PCB-39	ng/kg	12	12	100%	12.7	58.8	29.5	33.2	15.9
PCB-40/71	ng/kg	12	12	100%	301	780	538	542	153
PCB-41	ng/kg	12	7	58%	5.09	10.6	6.00	6.88	2.06
PCB-42	ng/kg	12	11	92%	92.6	333	149	178	87.6
PCB-43	ng/kg	12	11	92%	19.8	38.7	32.1	29.6	6.39
PCB-44/47/65	ng/kg	12	12	100%	4810	18200	12100	11700	4440
PCB-45	ng/kg	12	8	67%	5.78	16.3	11.9	11.5	3.68
PCB-46	ng/kg	12	9	75%	4.08	9.6	7.37	6.96	2.07
PCB-48	ng/kg	12	11	92%	35.3	77.7	52.9	52.1	13.3
PCB-49/69	ng/kg	12	11	92%	205	721	431	428	183
PCB-50/53	ng/kg	12	11	92%	23.3	68.9	39.3	43.2	17.3
PCB-51	ng/kg	12	12	100%	17.5	44.4	21.6	25.1	8.33
PCB-52	ng/kg	12	11	92%	248	1050	415	474	239
PCB-55	ng/kg	12	10	83%	14.4	63	21.9	29.5	16.9
PCB-56	ng/kg	12	11	92%	171	608	332	365	157
PCB-57	ng/kg	12	11	92%	9.85	21.4	14.2	14.1	3.30
PCB-58	ng/kg	12	11	92%	4.69	62.5	12.6	17.9	15.7
PCB-60	ng/kg	12	12	100%	2350	4840	3280	3480	878
PCB-61/70/74/76	ng/kg	12	12	100%	7150	24100	14700	14600	5550
PCB-62/75	ng/kg	12	11	92%	432	1490	1000	984	371
PCB-63	ng/kg	12	12	100%	99.8	485	258	258	120
PCB-64	ng/kg	12	11	92%	200	686	376	401	184
PCB-66	ng/kg	12	12	100%	12500	41800	25300	26400	10800
PCB-67	ng/kg	12	12	100%	23.7	76.9	55.0	51.4	18.3
PCB-68	ng/kg	12	12	100%	58.2	281	152	152	69.4
PCB-72	ng/kg	12	12	100%	35.4	82.7	72.0	63.9	17.9
PCB-73	ng/kg	12	11	92%	7.45	36.2	14.6	17.3	8.08
PCB-77	ng/kg	6	6	100%	1090	2770	2040	1930	676
PCB-79	ng/kg	12	12	100%	24.6	85.8	50.8	53.8	20.9
PCB-80	ng/kg	12	6	50%	3.52	6.3	4.59	4.78	1.06
PCB-81	ng/kg	12	12	100%	30.3	76.6	54.3	54.5	15.8
PCB-82	ng/kg	12	9	75%	22.2	55.9	29.2	36.8	14.2
PCB-83	ng/kg	12	6	50%	14.7	47.9	26.2	27.0	12.7
PCB-84	ng/kg	12	11	92%	35.9	75.9	53.2	52.0	11.8
PCB-85/116/117	ng/kg	12	12	100%	1340	4870	3580	3460	1290
PCB-86/87/97/109/119/125	ng/kg	12	12	100%	707	2190	1750	1610	528
PCB-88	ng/kg	12	1	8%	160	160	NA	NA	NA
PCB-89	ng/kg	12	5	42%	1.91	5.59	3.44	3.55	1.39
PCB-90/101/113	ng/kg	12	11	92%	575	1710	1100	1180	419
PCB-91	ng/kg	12	11	92%	65.7	219	127	138	52.2
PCB-92	ng/kg	12	10	83%	121	368	197	216	88.2
PCB-93/100	ng/kg	12	12	100%	252	1200	775	734	280
PCB-94	ng/kg	12	12	100%	15.3	40.7	30.1	28.3	9.58
PCB-95	ng/kg	6	6	100%	195	360	249	260	65.2
PCB-96	ng/kg	12	1	8%	1.52	1.52	NA	NA	NA
PCB-98/102	ng/kg	12	8	67%	16.3	51.1	30.4	31.6	11.8

Table 3-14
Statistical Summary of Detected Analytes in the Central Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-99	ng/kg	12	12	100%	6120	22000	16200	15400	5810
PCB-103	ng/kg	12	12	100%	6.13	19	13.4	12.2	4.99
PCB-104	ng/kg	12	2	17%	1.7	2.21	1.96	1.96	0.361
PCB-105	ng/kg	12	12	100%	3970	9890	7020	7280	2100
PCB-107	ng/kg	12	12	100%	580	1910	1360	1300	439
PCB-108/124	ng/kg	12	12	100%	33.9	80.4	57.7	58.3	17.0
PCB-110/115	ng/kg	12	11	92%	756	2140	1460	1470	467
PCB-111	ng/kg	12	12	100%	19.1	47.4	38.3	36.3	9.23
PCB-112	ng/kg	12	4	33%	6.0	20.2	8.51	10.8	6.60
PCB-114	ng/kg	12	12	100%	234	724	517	504	161
PCB-118	ng/kg	12	12	100%	10900	34300	24200	24300	8380
PCB-120	ng/kg	12	12	100%	67	222	171	162	54.6
PCB-121	ng/kg	12	12	100%	7.61	26.4	20.0	18.5	6.33
PCB-122	ng/kg	12	8	67%	6.79	22.5	10.4	13.7	6.82
PCB-123	ng/kg	12	11	92%	209	696	492	489	164
PCB-126	ng/kg	12	10	83%	34.3	88.3	70.1	67.4	18.8
PCB-127	ng/kg	12	12	100%	7.74	37.1	19.1	22.1	9.62
PCB-128/166	ng/kg	12	12	100%	673	2670	2120	1900	687
PCB-129/138/163	ng/kg	12	12	100%	5910	23800	17400	16200	5930
PCB-130	ng/kg	12	12	100%	135	459	324	312	104
PCB-131	ng/kg	11	10	91%	7.23	17.7	12.4	12.7	3.60
PCB-132	ng/kg	12	11	92%	43.9	178	74.7	88.4	40.0
PCB-133	ng/kg	12	12	100%	254	714	507	490	149
PCB-134	ng/kg	12	9	75%	9.21	31.8	19.0	20.2	7.52
PCB-135/151	ng/kg	12	11	92%	116	383	248	248	83.5
PCB-136	ng/kg	12	12	100%	16.2	36.6	26.9	26.0	6.09
PCB-137	ng/kg	12	12	100%	307	1230	922	839	310
PCB-139/140	ng/kg	12	12	100%	126	561	385	350	137
PCB-141	ng/kg	11	10	91%	75.1	197	137	131	40.8
PCB-144	ng/kg	12	12	100%	14.4	52.1	36.1	36.9	12.4
PCB-146	ng/kg	10	10	100%	1290	4800	3660	3360	1240
PCB-147/149	ng/kg	12	12	100%	441	1450	1040	1020	326
PCB-148	ng/kg	12	12	100%	30.8	136	91.3	86.5	31.6
PCB-150	ng/kg	12	8	67%	1.61	5.85	3.46	3.49	1.39
PCB-153/168	ng/kg	12	12	100%	8170	34500	25800	23100	8820
PCB-154	ng/kg	12	12	100%	223	1110	773	690	265
PCB-155	ng/kg	12	12	100%	90.3	381	237	220	92.3
PCB-156/157	ng/kg	12	12	100%	836	2870	1980	1930	684
PCB-158	ng/kg	12	12	100%	627	2450	1850	1670	592
PCB-159	ng/kg	12	10	83%	2.98	13.2	6.75	7.39	3.34
PCB-161	ng/kg	12	3	25%	2.37	3.25	3.22	2.95	0.500
PCB-162	ng/kg	9	8	89%	55.9	195	98.2	112	44.1
PCB-164	ng/kg	12	11	92%	39.4	121	83.3	75.8	28.9
PCB-165	ng/kg	9	9	100%	11.8	31.8	23.3	23.4	7.40
PCB-167	ng/kg	12	12	100%	343	1160	848	802	282
PCB-169	ng/kg	12	3	25%	1.56	2.3	1.59	1.82	0.419
PCB-170	ng/kg	12	12	100%	692	2850	2120	1860	819
PCB-171/173	ng/kg	7	6	86%	306	1170	920	855	314
PCB-172	ng/kg	12	12	100%	201	748	560	516	206
PCB-174	ng/kg	8	7	88%	58.9	148	113	113	36.6
PCB-175	ng/kg	11	11	100%	58.3	223	144	143	56.2
PCB-176	ng/kg	12	12	100%	8.87	25.3	20.8	18.3	6.23
PCB-177	ng/kg	5	5	100%	273	809	465	505	217
PCB-178	ng/kg	12	12	100%	472	1690	1180	1120	412
PCB-179	ng/kg	12	12	100%	25.3	83.9	44.9	45.8	18.7
PCB-180/193	ng/kg	12	12	100%	3050	12500	8980	8320	3550
PCB-181	ng/kg	3	3	100%	23.2	44.6	33.1	33.6	10.7
PCB-182	ng/kg	9	9	100%	14.5	52.8	28.2	33.3	16.2
PCB-183/185	ng/kg	11	11	100%	1060	4150	2660	2660	1100
PCB-184	ng/kg	12	12	100%	10.6	44.5	31.2	27.3	11.9

Table 3-14
Statistical Summary of Detected Analytes in the Central Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-187	ng/kg	10	10	100%	2400	9520	6060	5980	2490
PCB-188	ng/kg	12	8	67%	34.9	85.2	64.8	62.4	19.6
PCB-189	ng/kg	12	12	100%	45.9	188	127	120	49.5
PCB-190	ng/kg	12	12	100%	209	801	601	528	242
PCB-191	ng/kg	12	12	100%	51.6	190	140	129	50.7
PCB-192	ng/kg	12	2	17%	2.19	2.49	2.34	2.34	0.212
PCB-194	ng/kg	12	12	100%	342	1500	1130	977	458
PCB-195	ng/kg	12	12	100%	84.1	453	268	245	123
PCB-196	ng/kg	12	12	100%	282	1260	784	781	366
PCB-197/200	ng/kg	12	12	100%	32.9	147	108	95.8	40.4
PCB-198/199	ng/kg	12	12	100%	743	3090	2150	1980	840
PCB-201	ng/kg	12	11	92%	160	483	351	314	113
PCB-202	ng/kg	12	12	100%	345	1160	778	775	292
PCB-203	ng/kg	12	12	100%	312	1550	924	928	468
PCB-204	ng/kg	12	5	42%	2.31	6.03	4.30	4.18	1.33
PCB-205	ng/kg	12	12	100%	7.14	33.6	20.8	19.5	8.83
PCB-206	ng/kg	12	12	100%	318	1120	693	707	306
PCB-207	ng/kg	12	12	100%	42.9	178	109	108	47.3
PCB-208	ng/kg	12	12	100%	194	619	416	418	170
PCB-209	ng/kg	12	12	100%	272	841	509	548	216
Total PCB Congeners (209)	ng/kg	12	12	100%	104000	314000	237000	227000	76400
Aroclor PCBs									
Aroclor-1262	ug/kg	12	8	67%	12	52	30.0	28.1	12.8
Pesticides									
2,4'-DDD	pg/g	12	12	100%	54.1	284	113	119	62.2
2,4'-DDE	pg/g	12	12	100%	109	351	128	148	66.8
2,4'-DDT	pg/g	12	8	67%	14.3	65.2	41.6	42.8	17.8
4,4'-DDD	pg/g	12	12	100%	7490	19000	10400	11600	3550
4,4'-DDE	pg/g	12	12	100%	28200	71600	45600	48100	12400
4,4'-DDT	pg/g	12	12	100%	96.4	356	220	229	82.4
Alpha-BHC	pg/g	12	11	92%	20.5	33.5	26.0	25.9	4.03
Alpha-Chlordane	pg/g	12	11	92%	1020	4640	1740	2150	1240
Beta-BHC	pg/g	12	12	100%	29.5	75.7	60.8	56.3	15.0
cis-Nonachlor	pg/g	12	12	100%	1270	4340	3180	2850	949
Delta-BHC	pg/g	11	1	9%	2.88	2.88	NA	NA	NA
Dieldrin	pg/g	12	12	100%	1640	4840	3850	3560	1210
Gamma-BHC (Lindane)	pg/g	12	8	67%	6.14	14.4	8.95	9.14	2.80
Heptachlor	pg/g	12	1	8%	1.77	1.77	NA	NA	NA
Heptachlor Epoxide	pg/g	12	12	100%	860	2550	2000	1780	612
Hexachlorobenzene	pg/g	12	12	100%	391	1130	746	713	219
Methoxychlor	pg/g	12	1	8%	5.71	5.71	NA	NA	NA
Mirex	pg/g	12	12	100%	69.9	178	122	119	31.3
Nonachlor, trans-	pg/g	12	12	100%	2920	8040	5530	5600	1610
Oxychlordane	pg/g	12	12	100%	4080	12100	8840	8330	2840
trans-Chlordane	pg/g	9	6	67%	114	263	186	184	55.0
trans-Heptachlor Epoxide	pg/g	12	12	100%	372	1050	639	635	212
Total Alpha + Gamma Chlordane	ppb	12	11	92%	1.0	4.6	1.70	2.23	1.25
Total DDT (2,4)	ppb	12	12	100%	0.21	0.64	0.270	0.297	0.117
Total DDT (4,4)	ppb	12	12	100%	36	88	57.5	60.0	15.5
Total DDT (2,4 & 4,4)	ppb	12	12	100%	36	88	57.5	60.2	15.6
Semivolatiles									
2-Methylnaphthalene	ug/kg	12	2	17%	2.7	3.5	3.10	3.10	0.566
Acenaphthene	ug/kg	12	11	92%	3.2	18	6.60	7.14	4.09
Acenaphthylene	ug/kg	12	2	17%	4.1	13	8.55	8.55	6.29
Anthracene	ug/kg	12	2	17%	2.7	37	19.9	19.9	24.3
Benzaldehyde	ug/kg	12	4	33%	680	3000	1150	1500	1030
Benzo(a)anthracene	ug/kg	12	9	75%	2.9	93	5.00	16.1	29.2
Benzo(a)pyrene	ug/kg	12	6	50%	2.7	46	3.80	10.9	17.2
Benzo(b)fluoranthene	ug/kg	12	5	42%	2.8	39	4.50	11.9	15.4
Benzo(e)pyrene	ug/kg	12	5	42%	2.8	29	3.00	8.20	11.6

Table 3-14
Statistical Summary of Detected Analytes in the Central Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Benzo(g,h,i)perylene	ug/kg	12	3	25%	3.4	25	10.0	12.8	11.1
Benzo(j,k)fluoranthene	ug/kg	12	4	33%	3.2	42	6.75	14.7	18.4
Benzoic Acid	ug/kg	12	2	17%	880	1000	940	940	84.9
C1-Chrysenes	ug/kg	12	1	8%	31	31	NA	NA	NA
C1-Fluoranthenes/Pyrenes	ug/kg	12	1	8%	110	110	NA	NA	NA
C1-Naphthalenes	ug/kg	12	7	58%	2.7	6.9	4.70	4.67	1.33
C1-Phenanthrenes/Anthracenes	ug/kg	12	1	8%	71	71	NA	NA	NA
C2-Naphthalenes	ug/kg	12	3	25%	3.3	10	3.60	5.63	3.78
C2-Phenanthrene/anthracenes	ug/kg	12	1	8%	34	34	NA	NA	NA
Chrysene	ug/kg	12	7	58%	2.8	60	3.80	13.1	20.9
Dibenzo(a,h)anthracene	ug/kg	12	2	17%	6.8	9.9	8.35	8.35	2.19
Fluoranthene	ug/kg	12	7	58%	4.3	210	8.60	39.1	75.7
Fluorene	ug/kg	12	2	17%	2.8	14	8.40	8.40	7.92
Indeno(1,2,3-cd)pyrene	ug/kg	12	4	33%	2.9	35	8.65	13.8	14.8
Naphthalene	ug/kg	12	1	8%	3.0	3	NA	NA	NA
Perylene	ug/kg	12	1	8%	13	13	NA	NA	NA
Phenanthrene	ug/kg	12	5	42%	3.0	110	4.70	25.3	47.4
Pyrene	ug/kg	12	9	75%	3.8	150	6.30	24.0	47.8
Pyridine	ug/kg	12	1	8%	370	370	NA	NA	NA
Total HMW PAHs	ppb	12	9	75%	6.7	710	36.0	114	225
Total LMW PAHs	ppb	12	11	92%	3.2	190	10.0	26.0	54.7
TOTAL PAHs	ppb	12	12	100%	3.2	900	28.5	110	251
Physical Properties[2]									
Percent Moisture	%	12	12	100%	74.5	81.2	78.3	78.1	2.27
Water Content ASTM D2216	%	12	12	100%	293	431	361	361	46.6

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-15
Statistical Summary of Detected Analytes in the South Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	13	13	100%	0.562	1.86	0.903	0.956	0.320
1,2,3,4,6,7,8-HpCDF	ng/kg	13	13	100%	0.732	4.51	1.21	1.51	0.988
1,2,3,4,7,8,9-HpCDF	ng/kg	13	12	92%	0.0315	0.174	0.0993	0.0918	0.0465
1,2,3,4,7,8-HxCDD	ng/kg	13	13	100%	0.0554	0.168	0.115	0.105	0.0359
1,2,3,4,7,8-HxCDF	ng/kg	13	13	100%	0.518	2.81	1.16	1.27	0.617
1,2,3,6,7,8-HxCDD	ng/kg	13	13	100%	0.215	0.432	0.322	0.331	0.0701
1,2,3,6,7,8-HxCDF	ng/kg	13	13	100%	0.329	0.936	0.421	0.478	0.188
1,2,3,7,8,9-HxCDD	ng/kg	13	13	100%	0.0697	0.162	0.133	0.129	0.0274
1,2,3,7,8,9-HxCDF	ng/kg	13	10	77%	0.0597	0.156	0.0833	0.0973	0.0341
1,2,3,7,8-PeCDD	ng/kg	13	10	77%	0.185	0.8	0.480	0.483	0.191
1,2,3,7,8-PeCDF	ng/kg	13	13	100%	0.724	1.68	1.02	1.07	0.273
2,3,4,6,7,8-HxCDF	ng/kg	13	13	100%	0.131	0.243	0.164	0.173	0.0324
2,3,4,7,8-PeCDF	ng/kg	13	13	100%	0.896	3.13	1.79	1.91	0.615
2,3,7,8-TCDD	ng/kg	13	13	100%	3.37	16	9.47	9.61	2.99
2,3,7,8-TCDF	ng/kg	13	13	100%	3.4	7.54	5.35	5.40	1.17
OCDD	ng/kg	13	13	100%	2.64	12.6	5.79	5.76	2.59
OCDF	ng/kg	13	13	100%	0.339	5.67	0.500	0.919	1.43
Percent Lipid	%	13	13	100%	0.58	3.9	1.30	1.49	0.844
Metals									
Aluminum	mg/kg	13	12	92%	26.8	78.8	44.7	46.9	15.8
Arsenic	mg/kg	13	13	100%	1.5	3.3	2.15	2.19	0.505
Barium	mg/kg	13	13	100%	1.44	4.56	2.55	2.73	0.792
Cadmium	mg/kg	13	13	100%	0.108	0.411	0.235	0.241	0.0799
Calcium	mg/kg	13	13	100%	2530	7530	4370	4350	1290
Chromium	mg/kg	13	13	100%	0.19	0.641	0.304	0.350	0.123
Cobalt	mg/kg	13	13	100%	0.0672	0.155	0.106	0.104	0.0260
Copper	mg/kg	13	13	100%	22.5	60.3	34.6	35.9	10.3
Iron	mg/kg	13	13	100%	118	352	174	204	75.3
Lead	mg/kg	13	13	100%	0.955	18.3	1.56	2.95	4.66
Magnesium	mg/kg	13	13	100%	558	1050	730	782	165
Manganese	mg/kg	13	13	100%	11.4	29.7	21.3	20.8	6.38
Mercury	ng/g	13	13	100%	18.7	73.6	32.0	34.7	13.0
Methyl Mercury	ng/g	13	13	100%	6.2	39.1	26.4	26.9	8.95
Nickel	mg/kg	13	13	100%	0.206	0.698	0.354	0.379	0.151
Potassium	mg/kg	13	13	100%	1630	2790	1970	2070	360
Selenium	mg/kg	13	13	100%	0.651	1.22	1.01	0.973	0.185
Silver	mg/kg	13	13	100%	0.229	1.37	0.857	0.867	0.315
Sodium	mg/kg	13	13	100%	4700	8460	5650	6090	1170
Titanium	mg/kg	13	8	62%	0.844	2.13	1.53	1.56	0.453
Vanadium	mg/kg	13	13	100%	0.2	0.675	0.294	0.355	0.151
Zinc	mg/kg	13	13	100%	21.6	37.6	27.4	28.1	4.53
Butyltins									
Dibutyltin	ug/kg	13	3	23%	2.5	4.8	4.10	3.80	1.18
PCB Congeners									
PCB-1	ng/kg	13	5	38%	5.13	13.2	7.36	8.30	3.23
PCB-2	ng/kg	13	3	23%	1.08	1.58	1.42	1.36	0.255
PCB-3	ng/kg	11	6	55%	2.35	6.5	4.41	4.38	1.48
PCB-4	ng/kg	13	7	54%	13.8	34.5	22.3	23.1	6.94
PCB-6	ng/kg	13	7	54%	5.89	18.4	12.1	11.8	5.25
PCB-7	ng/kg	13	4	31%	1.09	5.53	1.31	2.31	2.15
PCB-8	ng/kg	13	6	46%	24.7	75.2	51.9	51.5	20.8
PCB-9	ng/kg	13	5	38%	1.06	1.98	1.68	1.53	0.411
PCB-10	ng/kg	13	4	31%	1.51	3.59	2.74	2.64	0.896
PCB-11	ng/kg	13	12	92%	61.2	180	96.9	111	41.1
PCB-12/13	ng/kg	13	11	85%	17.1	70.6	25.5	31.6	16.8
PCB-14	ng/kg	13	1	8%	1.33	1.33	NA	NA	NA
PCB-15	ng/kg	13	13	100%	776	2250	1020	1130	385

Table 3-15
Statistical Summary of Detected Analytes in the South Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-16	ng/kg	13	7	54%	9.09	27.3	15.6	17.3	5.89
PCB-17	ng/kg	13	10	77%	26.4	81.1	32.3	43.5	18.8
PCB-18/30	ng/kg	13	9	69%	41.8	159	66.2	79.0	37.1
PCB-19	ng/kg	13	12	92%	3.1	13.6	7.16	7.36	3.11
PCB-20/28	ng/kg	13	13	100%	8560	33200	13500	15600	6670
PCB-21/33	ng/kg	13	12	92%	39.9	194	59.8	77.7	50.3
PCB-22	ng/kg	13	13	100%	69.8	462	126	174	135
PCB-25	ng/kg	13	12	92%	29.4	122	46.7	56.7	29.0
PCB-26/29	ng/kg	13	12	92%	42.1	170	57.9	77.6	40.4
PCB-27	ng/kg	13	13	100%	8.85	43.2	12.3	17.5	9.37
PCB-31	ng/kg	13	13	100%	137	726	224	306	179
PCB-32	ng/kg	13	12	92%	40	162	52.9	68.8	36.8
PCB-34	ng/kg	13	11	85%	4.29	19.3	8.10	8.81	4.65
PCB-35	ng/kg	13	12	92%	5.78	27	8.67	11.6	7.05
PCB-36	ng/kg	13	10	77%	2.27	7.48	4.68	4.68	1.51
PCB-37	ng/kg	13	13	100%	1350	4260	1860	2040	761
PCB-38	ng/kg	13	5	38%	2.97	6.14	4.30	4.38	1.15
PCB-39	ng/kg	13	13	100%	6.96	27.9	17.6	16.9	5.55
PCB-40/71	ng/kg	13	13	100%	155	639	304	348	147
PCB-41	ng/kg	13	4	31%	5.13	12	7.10	7.83	3.21
PCB-42	ng/kg	13	12	92%	35.6	183	64.0	81.8	47.8
PCB-43	ng/kg	13	11	85%	9.27	48.4	17.5	21.5	12.0
PCB-44/47/65	ng/kg	13	13	100%	3240	12200	6130	6830	2400
PCB-45	ng/kg	13	8	62%	3.58	15.8	9.85	9.03	4.80
PCB-46	ng/kg	13	10	77%	2.18	9.61	5.20	5.45	2.68
PCB-48	ng/kg	13	10	77%	16.1	67	30.4	35.3	15.6
PCB-49/69	ng/kg	13	12	92%	107	439	175	205	105
PCB-50/53	ng/kg	13	13	100%	12.8	54.5	23.2	26.4	12.2
PCB-51	ng/kg	13	11	85%	6.6	27.1	12.1	14.2	6.76
PCB-52	ng/kg	13	12	92%	142	652	247	277	143
PCB-55	ng/kg	13	7	54%	15.7	37.5	27.6	26.8	7.61
PCB-56	ng/kg	13	13	100%	101	655	166	248	187
PCB-57	ng/kg	13	11	85%	6.72	15.4	9.09	10.0	3.03
PCB-58	ng/kg	13	8	62%	3.91	49	10.1	14.1	14.5
PCB-60	ng/kg	13	13	100%	1940	5170	2650	2960	858
PCB-61/70/74/76	ng/kg	13	13	100%	5760	14500	8580	9720	2850
PCB-62/75	ng/kg	13	13	100%	286	1010	545	578	188
PCB-63	ng/kg	13	13	100%	51.5	248	131	130	53.4
PCB-64	ng/kg	13	12	92%	78.2	413	132	179	103
PCB-66	ng/kg	13	13	100%	11000	33900	16100	17900	6120
PCB-67	ng/kg	13	13	100%	16.4	39.9	30.0	27.6	8.08
PCB-68	ng/kg	13	13	100%	29.9	128	70.6	75.9	24.3
PCB-72	ng/kg	13	13	100%	13.3	53.8	37.6	37.3	10.8
PCB-73	ng/kg	13	8	62%	3.13	38.3	8.66	12.6	11.3
PCB-77	ng/kg	9	9	100%	1130	2090	1410	1510	288
PCB-79	ng/kg	13	12	92%	21.6	45.2	34.2	33.9	7.16
PCB-80	ng/kg	13	5	38%	2.02	4.33	2.81	3.06	0.924
PCB-81	ng/kg	13	13	100%	28.6	75.4	43.1	46.0	12.8
PCB-82	ng/kg	13	12	92%	9.92	40.7	22.3	23.7	9.88
PCB-83	ng/kg	13	6	46%	14.7	41.6	24.8	25.1	10.1
PCB-84	ng/kg	13	12	92%	14.3	68.9	40.1	40.1	16.9
PCB-85/116/117	ng/kg	13	13	100%	1520	3970	2170	2430	719
PCB-86/87/97/109/119/125	ng/kg	13	13	100%	681	1640	939	1050	322
PCB-89	ng/kg	13	5	38%	1.43	4.81	2.54	2.81	1.42
PCB-90/101/113	ng/kg	13	12	92%	332	978	640	664	230
PCB-91	ng/kg	13	12	92%	37.8	120	73.5	77.2	30.2
PCB-92	ng/kg	13	12	92%	72	255	133	139	48.8
PCB-93/100	ng/kg	13	13	100%	216	700	372	399	157
PCB-94	ng/kg	13	13	100%	7.73	34.6	14.3	17.4	8.40

Table 3-15
Statistical Summary of Detected Analytes in the South Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-95	ng/kg	11	11	100%	109	328	229	223	67.2
PCB-98/102	ng/kg	13	7	54%	10.3	30.1	16.0	17.5	7.10
PCB-99	ng/kg	13	13	100%	6810	17500	9030	10500	3430
PCB-103	ng/kg	13	10	77%	3.41	12	6.69	7.18	3.21
PCB-105	ng/kg	13	13	100%	3650	8800	5770	6230	1350
PCB-107	ng/kg	13	13	100%	484	1180	823	846	205
PCB-108/124	ng/kg	13	13	100%	20.3	70.3	35.0	37.6	13.9
PCB-110/115	ng/kg	13	12	92%	538	1540	910	942	302
PCB-111	ng/kg	13	13	100%	15	42.8	27.2	28.3	7.82
PCB-112	ng/kg	13	4	31%	6.11	17.6	9.30	10.6	4.92
PCB-114	ng/kg	13	13	100%	198	495	396	385	81.9
PCB-118	ng/kg	13	13	100%	10100	24000	17800	18200	3580
PCB-120	ng/kg	13	13	100%	60.1	173	109	115	34.4
PCB-121	ng/kg	13	12	92%	6.09	19.6	11.5	11.9	4.24
PCB-122	ng/kg	13	4	31%	2.87	9.05	6.74	6.35	2.95
PCB-123	ng/kg	13	13	100%	202	448	378	370	70.7
PCB-126	ng/kg	12	12	100%	32.4	69	52.2	52.5	10.3
PCB-127	ng/kg	13	13	100%	6.54	24	16.4	16.1	4.81
PCB-128/166	ng/kg	13	13	100%	826	2230	1480	1510	394
PCB-129/138/163	ng/kg	13	13	100%	7160	18400	13100	12900	3160
PCB-130	ng/kg	13	13	100%	111	309	181	198	66.4
PCB-131	ng/kg	12	9	75%	4.66	13.6	8.88	8.31	2.95
PCB-132	ng/kg	13	12	92%	22.3	109	69.9	67.4	27.0
PCB-133	ng/kg	13	13	100%	201	500	391	378	92.0
PCB-134	ng/kg	13	10	77%	5.28	23.3	15.5	14.9	6.86
PCB-135/151	ng/kg	13	13	100%	79.5	268	169	177	63.3
PCB-136	ng/kg	13	12	92%	7.34	43	20.7	22.5	10.9
PCB-137	ng/kg	13	13	100%	335	977	639	659	197
PCB-139/140	ng/kg	13	13	100%	137	370	262	256	70.6
PCB-141	ng/kg	13	12	92%	43.3	107	80.9	81.4	18.6
PCB-144	ng/kg	13	13	100%	15.8	41.8	26.8	27.1	7.95
PCB-146	ng/kg	9	9	100%	1490	3520	2490	2590	681
PCB-147/149	ng/kg	13	12	92%	377	1010	655	666	229
PCB-148	ng/kg	13	13	100%	29.9	94.3	66.0	63.4	21.5
PCB-150	ng/kg	13	3	23%	1.63	4	2.03	2.55	1.27
PCB-153/168	ng/kg	13	13	100%	9150	24700	17300	17400	4750
PCB-154	ng/kg	13	13	100%	237	752	499	491	156
PCB-155	ng/kg	13	13	100%	38.4	207	112	113	45.3
PCB-156/157	ng/kg	13	13	100%	796	2100	1540	1560	345
PCB-158	ng/kg	13	13	100%	719	1920	1350	1390	365
PCB-159	ng/kg	13	9	69%	3.44	7.41	5.02	5.00	1.35
PCB-161	ng/kg	12	1	8%	1.53	1.53	NA	NA	NA
PCB-162	ng/kg	13	13	100%	50.6	109	86.2	84.6	16.7
PCB-164	ng/kg	13	12	92%	22.2	76.3	39.2	44.6	16.4
PCB-165	ng/kg	8	8	100%	14.1	27.4	20.6	19.9	4.40
PCB-167	ng/kg	13	13	100%	349	837	655	642	130
PCB-169	ng/kg	13	3	23%	1.64	2.51	2.18	2.11	0.439
PCB-170	ng/kg	13	13	100%	639	2200	1260	1330	437
PCB-171/173	ng/kg	5	5	100%	310	635	594	538	134
PCB-172	ng/kg	13	13	100%	162	558	355	365	120
PCB-174	ng/kg	7	6	86%	31.8	106	70.6	67.7	26.9
PCB-175	ng/kg	10	10	100%	48.1	172	107	106	38.4
PCB-176	ng/kg	13	13	100%	6.33	27.1	13.2	13.5	5.99
PCB-177	ng/kg	5	5	100%	3.56	490	381	305	192
PCB-178	ng/kg	12	12	100%	365	1340	910	928	314
PCB-179	ng/kg	13	13	100%	11.2	61.2	31.0	35.1	17.2
PCB-180/193	ng/kg	13	12	92%	3040	8560	5790	6050	1870
PCB-181	ng/kg	5	5	100%	12.1	23.7	21.3	20.1	4.72
PCB-182	ng/kg	6	6	100%	11.6	28.3	22.4	20.7	6.50

Table 3-15
Statistical Summary of Detected Analytes in the South Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-183/185	ng/kg	9	9	100%	1080	2840	2120	1970	563
PCB-184	ng/kg	13	12	92%	7.91	35.2	18.4	19.5	7.82
PCB-187	ng/kg	9	9	100%	2230	7460	4580	4640	1690
PCB-188	ng/kg	13	12	92%	18.2	56.8	38.1	37.9	13.7
PCB-189	ng/kg	13	13	100%	45.7	125	89.9	90.3	21.9
PCB-190	ng/kg	13	13	100%	211	593	368	376	122
PCB-191	ng/kg	13	13	100%	53.7	136	95.1	100	28.1
PCB-192	ng/kg	13	1	8%	2.15	2.15	NA	NA	NA
PCB-194	ng/kg	13	13	100%	301	1080	606	643	241
PCB-195	ng/kg	13	13	100%	73.2	272	158	165	56.9
PCB-196	ng/kg	13	13	100%	260	964	521	560	214
PCB-197/200	ng/kg	12	12	100%	33.7	97.1	71.3	69.0	21.9
PCB-198/199	ng/kg	13	13	100%	575	2430	1210	1360	583
PCB-201	ng/kg	13	13	100%	96.5	322	214	217	75.1
PCB-202	ng/kg	13	13	100%	254	881	576	571	208
PCB-203	ng/kg	13	13	100%	301	1220	609	640	266
PCB-204	ng/kg	13	4	31%	2.13	4.45	3.13	3.21	0.987
PCB-205	ng/kg	13	13	100%	7.3	24.9	13.5	14.3	5.60
PCB-206	ng/kg	13	13	100%	239	894	485	491	207
PCB-207	ng/kg	13	12	92%	31.2	137	74.1	78.7	30.7
PCB-208	ng/kg	13	13	100%	119	538	280	277	119
PCB-209	ng/kg	13	13	100%	177	789	415	389	171
Total PCB Congeners (209)	ng/kg	13	13	100%	102000	229000	157000	163000	35200
Aroclor PCBs									
Aroclor-1262	ug/kg	13	6	46%	13	35	19.0	20.7	7.55
Pesticides									
2,4'-DDD	pg/g	13	13	100%	20.2	513	77.8	134	128
2,4'-DDE	pg/g	13	13	100%	44.6	427	170	195	128
2,4'-DDT	pg/g	12	11	92%	12.5	663	58.2	113	187
4,4'-DDD	pg/g	13	13	100%	8810	49800	17600	21200	11800
4,4'-DDE	pg/g	13	13	100%	31100	86900	62400	62400	17000
4,4'-DDT	pg/g	13	13	100%	77.9	2750	350	619	761
Alpha-BHC	pg/g	12	11	92%	12	33.7	20.9	21.4	6.08
Alpha-Chlordane	pg/g	13	13	100%	108	3710	767	1090	921
Beta-BHC	pg/g	13	12	92%	23.8	55.5	38.1	38.6	9.70
cis-Nonachlor	pg/g	13	13	100%	661	3450	1660	1630	645
Delta-BHC	pg/g	13	1	8%	4.47	4.47	NA	NA	NA
Dieldrin	pg/g	13	13	100%	934	3880	1850	1980	742
Endosulfan II	pg/g	12	1	8%	23.8	23.8	NA	NA	NA
Endosulfan Sulfate	pg/g	12	2	17%	14.2	25.8	20.0	20.0	8.20
Gamma-BHC (Lindane)	pg/g	13	7	54%	4.58	8.87	6.29	6.72	1.51
Heptachlor Epoxide	pg/g	13	13	100%	487	1790	997	1070	366
Hexachlorobenzene	pg/g	13	13	100%	295	697	479	465	115
Mirex	pg/g	13	13	100%	40.2	111	75.5	74.2	21.7
Nonachlor, trans-	pg/g	12	12	100%	1300	5520	3080	3350	1190
Oxychlordane	pg/g	13	13	100%	2340	7620	4720	5090	1510
trans-Chlordane	pg/g	12	3	25%	79.7	188	174	147	58.9
trans-Heptachlor Epoxide	pg/g	13	13	100%	224	915	476	491	198
Total Alpha + Gamma Chlordane	ppb	13	13	100%	0.11	3.7	0.770	1.13	0.923
Total DDT (2,4)	ppb	13	13	100%	0.085	1.5	0.380	0.428	0.363
Total DDT (4,4)	ppb	13	13	100%	40	120	83.0	83.5	24.5
Total DDT (2,4 & 4,4)	ppb	13	13	100%	40	120	85.0	83.8	24.5
Semivolatiles									
1-Methylnaphthalene	ug/kg	13	1	8%	6.4	6.4	NA	NA	NA
2-Methylnaphthalene	ug/kg	13	1	8%	9.3	9.3	NA	NA	NA
4-Methylphenol	ug/kg	13	2	15%	79	86	82.5	82.5	4.95
Acenaphthene	ug/kg	13	11	85%	2.7	9	4.90	5.34	1.94
Anthracene	ug/kg	13	1	8%	3.2	3.2	NA	NA	NA

Table 3-15
Statistical Summary of Detected Analytes in the South Zone - Crab Carcass

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Benzaldehyde	ug/kg	13	7	54%	410	4200	1400	1460	1340
Benzo(a)anthracene	ug/kg	13	6	46%	2.6	8.1	4.45	5.15	2.34
Benzo(a)pyrene	ug/kg	13	4	31%	3.2	5.5	4.30	4.33	1.10
Benzo(b)fluoranthene	ug/kg	13	4	31%	3.1	5.8	3.90	4.18	1.25
Benzo(e)pyrene	ug/kg	13	4	31%	2.8	4.4	3.50	3.55	0.733
Benzo(g,h,i)perylene	ug/kg	13	4	31%	2.7	3.6	3.10	3.13	0.403
Benzo(j,k)fluoranthene	ug/kg	13	4	31%	3.2	4.8	3.80	3.90	0.779
C1-Chrysenes	ug/kg	13	3	23%	2.7	4.1	2.90	3.23	0.757
C1-Naphthalenes	ug/kg	13	11	85%	2.9	15	4.60	5.75	3.49
C2-Naphthalenes	ug/kg	13	4	31%	3	9.4	5.10	5.65	2.75
C3-Naphthalene	ug/kg	13	1	8%	9	9	NA	NA	NA
Chrysene	ug/kg	13	6	46%	3	6.4	3.80	4.37	1.47
Fluoranthene	ug/kg	13	7	54%	2.7	13	7.80	7.29	3.90
Fluorene	ug/kg	13	1	8%	2.9	2.9	NA	NA	NA
Indeno(1,2,3-cd)pyrene	ug/kg	13	2	15%	3.6	4.2	3.90	3.90	0.424
Naphthalene	ug/kg	13	2	15%	3.9	13	8.45	8.45	6.43
Phenanthrene	ug/kg	13	4	31%	3	9.5	7.05	6.65	2.73
Phenol	ug/kg	13	4	31%	240	670	390	423	217
Pyrene	ug/kg	13	8	62%	2.8	12	6.40	6.55	3.25
Pyridine	ug/kg	13	4	31%	510	900	695	700	189
Total HMW PAHs	ppb	13	8	62%	2.8	63	28.0	28.8	21.3
Total LMW PAHs	ppb	13	11	85%	2.8	25	6.10	10.8	8.48
TOTAL PAHs	ppb	13	11	85%	4.5	89	23.0	31.6	29.7
Physical Properties[2]									
Percent Moisture	%	13	13	100%	77.5	82	80.4	80.0	1.29
Water Content ASTM D2216	%	13	13	100%	343	455	411	402	31.9

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-16
List of Constituents Not Detected in
Softshell Clam Tissue Samples

Analyte
Metals
Thallium
Butyltins
Monobutyltin
Tetrabutyltin
PCB Congeners
PCB-14
PCB-88
PCB-106
PCB-159
PCB-160
PCB-161
PCB-169
PCB-186
PCB-192
PCB-204
Aroclor PCBs
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1260
Aroclor-1262
Aroclor-1268
Pesticides
Delta-BHC
Endosulfan I
Endosulfan II
Endosulfan Sulfate
Endrin Aldehyde
Endrin Ketone
Heptachlor
Methoxychlor
Semivolatiles
1,2,4,5-Tetrachlorobenzene
1,2-Diphenylhydrazine
2,2'-oxybis(1-Chloropropane)
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine

Table 3-16
List of Constituents Not Detected in
Softshell Clam Tissue Samples

Analyte
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-Methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Nitroaniline
4-Nitrophenol
Atrazine
Benzidine
Biphenyl
bis(2-Chloroethoxy)methane
bis(2-Chloroethyl)ether
Butyl benzyl phthalate
C1-Fluorenes
C2-Fluorenes
C3-Fluorenes
C4-Chrysenes
Caprolactam
Carbazole
Dibenzofuran
Diethyl phthalate
Dimethylphthalate
Di-n-Butylphthalate
Di-n-Octylphthalate
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Isophorone
Nitrobenzene
N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Pyridine

Notes:
PCB = polychlorinated biphenyl

Table 3-17
Statistical Summary of Detected Analytes - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	18	18	100%	2.33	13.7	4.45	4.89	2.69
1,2,3,4,6,7,8-HpCDF	ng/kg	18	18	100%	1.26	13	3.86	4.67	3.24
1,2,3,4,7,8,9-HpCDF	ng/kg	18	18	100%	0.104	0.454	0.240	0.246	0.100
1,2,3,4,7,8-HxCDD	ng/kg	18	17	94%	0.0658	0.779	0.147	0.232	0.215
1,2,3,4,7,8-HxCDF	ng/kg	18	18	100%	0.344	3.92	0.954	1.26	0.980
1,2,3,6,7,8-HxCDD	ng/kg	18	18	100%	0.21	1.02	0.429	0.512	0.250
1,2,3,6,7,8-HxCDF	ng/kg	18	18	100%	0.141	1.02	0.292	0.384	0.237
1,2,3,7,8,9-HxCDD	ng/kg	18	18	100%	0.111	0.513	0.228	0.277	0.125
1,2,3,7,8,9-HxCDF	ng/kg	18	17	94%	0.0534	0.251	0.154	0.157	0.0516
1,2,3,7,8-PeCDD	ng/kg	18	15	83%	0.108	0.505	0.242	0.234	0.0993
1,2,3,7,8-PeCDF	ng/kg	18	18	100%	0.331	1.27	0.593	0.682	0.304
2,3,4,6,7,8-HxCDF	ng/kg	18	18	100%	0.16	0.678	0.296	0.330	0.138
2,3,4,7,8-PeCDF	ng/kg	18	18	100%	0.379	1.61	0.938	0.958	0.332
2,3,7,8-TCDD	ng/kg	18	18	100%	1.69	13.4	4.77	5.18	2.80
2,3,7,8-TCDF	ng/kg	18	18	100%	1.03	4.24	1.72	1.93	0.806
OCDD	ng/kg	18	18	100%	16.8	126	32.8	39.5	26.2
OCDF	ng/kg	17	17	100%	1.96	14.7	5.10	6.34	3.83
Percent Lipid	%	18	18	100%	0.1	1.0	0.300	0.366	0.199
Metals									
Aluminum	mg/kg	18	17	94%	197	649	380	388	107
Antimony	mg/kg	18	16	89%	0.0668	1.07	0.155	0.228	0.241
Arsenic	mg/kg	18	18	100%	1.43	12.4	3.96	4.65	2.98
Barium	mg/kg	18	18	100%	0.584	27.5	8.22	9.59	6.32
Beryllium	mg/kg	18	17	94%	0.0149	0.288	0.0315	0.0460	0.0628
Cadmium	mg/kg	18	17	94%	0.13	0.345	0.203	0.209	0.0561
Calcium	mg/kg	18	18	100%	1030	3170	1690	1880	628
Chromium	mg/kg	18	17	94%	1.18	7.47	3.96	3.57	1.84
Cobalt	mg/kg	18	17	94%	0.23	1.56	0.469	0.693	0.428
Copper	mg/kg	18	18	100%	6.29	30.2	9.05	10.6	5.49
Iron	mg/kg	18	18	100%	6.21	9970	2330	2850	2350
Lead	mg/kg	18	17	94%	4.61	94.8	11.0	17.4	21.1
Magnesium	mg/kg	18	18	100%	450	964	783	778	118
Manganese	mg/kg	18	18	100%	3.23	245	51.1	81.5	79.3
Mercury	ng/g	18	18	100%	50.5	391	75.1	104	80.6
Methyl Mercury	ng/g	18	18	100%	14.7	63.2	33.4	35.4	14.4
Nickel	mg/kg	18	17	94%	1.03	4.99	2.05	2.27	1.03
Potassium	mg/kg	18	18	100%	2040	4270	2360	2420	490
Selenium	mg/kg	18	18	100%	0.744	1.12	0.893	0.907	0.104
Silver	mg/kg	18	18	100%	0.142	0.816	0.364	0.370	0.171
Sodium	mg/kg	18	18	100%	2060	4060	3140	3220	465
Titanium	mg/kg	18	18	100%	8.55	22.7	12.0	13.0	3.66
Vanadium	mg/kg	18	18	100%	0.865	4.29	2.31	2.23	0.916
Zinc	mg/kg	18	18	100%	21.9	140	29.2	36.5	26.8
Butyltins									
Dibutyltin	ug/kg	18	4	22%	1.3	2	1.35	1.50	0.337
Tributyltin	ug/kg	18	18	100%	5.3	14	7.40	8.41	2.86
PCB Congeners									
PCB-1	ng/kg	18	18	100%	22.2	154	37.2	49.3	36.7
PCB-2	ng/kg	18	13	72%	3.65	14.8	6.74	7.63	3.47
PCB-3	ng/kg	13	13	100%	6.41	71.5	11.6	17.0	17.2
PCB-4	ng/kg	18	18	100%	136	3810	191	434	851
PCB-5	ng/kg	18	11	61%	0.964	9.95	3.02	3.69	2.72
PCB-6	ng/kg	18	18	100%	25.8	2180	61.5	204	501
PCB-7	ng/kg	18	13	72%	3.07	37.4	9.79	12.3	10.7
PCB-8	ng/kg	18	18	100%	79.8	1320	152	293	326

Table 3-17
Statistical Summary of Detected Analytes - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-9	ng/kg	18	15	83%	3.79	57.7	13.3	18.0	16.3
PCB-10	ng/kg	18	18	100%	10.2	79.6	16.3	20.7	15.7
PCB-11	ng/kg	18	18	100%	194	640	321	376	157
PCB-12/13	ng/kg	18	18	100%	30.1	812	58.0	113	179
PCB-15	ng/kg	18	18	100%	185	1680	285	403	349
PCB-16	ng/kg	18	18	100%	184	1040	348	442	266
PCB-17	ng/kg	18	18	100%	294	3360	491	748	720
PCB-18/30	ng/kg	18	18	100%	477	4970	800	1200	1070
PCB-19	ng/kg	18	18	100%	99.7	2090	151	289	459
PCB-20/28	ng/kg	18	18	100%	1460	19800	2820	4110	4270
PCB-21/33	ng/kg	18	17	94%	262	2110	532	737	572
PCB-22	ng/kg	18	18	100%	356	4030	705	970	894
PCB-23	ng/kg	18	11	61%	0.776	3.87	1.46	2.00	1.13
PCB-24	ng/kg	18	4	22%	7.23	18.1	9.06	10.9	5.06
PCB-25	ng/kg	18	18	100%	152	4800	290	580	1070
PCB-26/29	ng/kg	18	18	100%	280	6750	506	928	1490
PCB-27	ng/kg	18	18	100%	108	1790	172	278	387
PCB-31	ng/kg	18	18	100%	1020	10800	1830	2640	2330
PCB-32	ng/kg	18	18	100%	290	4560	472	784	991
PCB-34	ng/kg	18	18	100%	6.52	147	13.3	22.6	32.4
PCB-35	ng/kg	18	17	94%	26	272	45.6	70.2	59.5
PCB-36	ng/kg	18	16	89%	3.21	15.3	6.00	7.13	3.20
PCB-37	ng/kg	18	17	94%	268	3480	495	772	780
PCB-38	ng/kg	18	18	100%	1.33	26.5	2.83	4.44	5.74
PCB-39	ng/kg	18	18	100%	10.1	108	18.9	25.5	22.8
PCB-40/71	ng/kg	18	18	100%	739	9790	1270	1990	2120
PCB-41	ng/kg	18	18	100%	61.4	981	119	211	224
PCB-42	ng/kg	18	18	100%	485	6240	902	1370	1370
PCB-43	ng/kg	18	18	100%	62	784	126	177	174
PCB-44/47/65	ng/kg	18	18	100%	1670	21000	3000	4560	4560
PCB-45	ng/kg	18	18	100%	133	2080	257	430	466
PCB-46	ng/kg	18	18	100%	68.4	918	115	192	200
PCB-48	ng/kg	18	18	100%	259	2620	455	684	605
PCB-49/69	ng/kg	18	18	100%	1110	14300	2050	3040	3130
PCB-50/53	ng/kg	18	18	100%	204	3380	401	636	730
PCB-51	ng/kg	18	18	100%	164	1190	243	326	238
PCB-52	ng/kg	18	18	100%	1770	22400	3270	4900	4890
PCB-54	ng/kg	18	18	100%	16.5	104	26.7	32.0	19.8
PCB-55	ng/kg	18	18	100%	10.6	241	21.6	41.2	54.5
PCB-56	ng/kg	18	18	100%	770	15300	1390	2470	3380
PCB-57	ng/kg	18	17	94%	10.3	126	18.9	31.1	30.2
PCB-58	ng/kg	18	18	100%	10.4	122	19.8	28.6	25.9
PCB-60	ng/kg	18	18	100%	227	6600	493	961	1470
PCB-61/70/74/76	ng/kg	18	18	100%	2170	41300	4100	7270	9160
PCB-62/75	ng/kg	18	18	100%	209	2510	339	521	537
PCB-63	ng/kg	18	18	100%	59.1	1110	113	191	246
PCB-64	ng/kg	18	18	100%	683	11000	1190	2030	2410
PCB-66	ng/kg	18	18	100%	1520	37300	3060	5460	8260
PCB-67	ng/kg	18	18	100%	50.8	949	93.5	158	209
PCB-68	ng/kg	18	18	100%	22.3	191	34.3	47.5	40.0
PCB-72	ng/kg	18	18	100%	35.1	327	58.6	81.3	68.8
PCB-73	ng/kg	18	14	78%	6.68	48.1	10.1	15.1	11.5
PCB-77	ng/kg	5	5	100%	138	831	267	387	277
PCB-78	ng/kg	18	2	11%	1.87	2.67	2.27	2.27	0.566
PCB-79	ng/kg	18	18	100%	15.2	184	29.0	42.3	39.2
PCB-80	ng/kg	18	1	6%	2.61	2.61	NA	NA	NA

Table 3-17
Statistical Summary of Detected Analytes - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-81	ng/kg	18	17	94%	4.07	119	8.52	17.8	27.5
PCB-82	ng/kg	18	18	100%	168	2790	324	520	618
PCB-83	ng/kg	18	18	100%	104	1100	205	275	237
PCB-84	ng/kg	18	18	100%	255	3110	457	703	677
PCB-85/116/117	ng/kg	18	18	100%	267	4360	544	835	965
PCB-86/87/97/109/119/125	ng/kg	18	18	100%	779	9480	1450	2140	2090
PCB-89	ng/kg	18	18	100%	17.1	321	31.5	55.1	71.1
PCB-90/101/113	ng/kg	18	18	100%	1300	10700	2470	3240	2400
PCB-91	ng/kg	18	18	100%	237	2690	416	609	580
PCB-92	ng/kg	18	18	100%	368	3110	661	900	684
PCB-93/100	ng/kg	18	18	100%	71	311	111	130	61.8
PCB-94	ng/kg	18	18	100%	20.2	161	30.6	43.6	33.4
PCB-95	ng/kg	18	18	100%	1050	10100	1940	2680	2210
PCB-96	ng/kg	18	18	100%	10.5	148	20.2	31.3	32.0
PCB-98/102	ng/kg	18	18	100%	66.7	874	116	181	187
PCB-99	ng/kg	18	17	94%	763	7980	1560	2090	1790
PCB-103	ng/kg	18	18	100%	25.8	143	46.4	55.3	29.9
PCB-104	ng/kg	18	18	100%	6.15	23.3	12.5	12.1	4.20
PCB-105	ng/kg	18	18	100%	443	7710	906	1480	1710
PCB-107	ng/kg	18	18	100%	101	1450	208	321	324
PCB-108/124	ng/kg	18	18	100%	56.5	836	120	191	190
PCB-110/115	ng/kg	18	18	100%	1550	16300	2920	4060	3590
PCB-111	ng/kg	18	16	89%	2.68	10.6	4.47	5.16	2.45
PCB-112	ng/kg	18	4	22%	3.15	6.88	5.73	5.37	1.73
PCB-114	ng/kg	18	18	100%	28.5	610	64.4	109	137
PCB-118	ng/kg	18	17	94%	1070	16600	2440	3730	3770
PCB-120	ng/kg	18	18	100%	7.81	46.4	15.9	18.0	9.94
PCB-121	ng/kg	18	15	83%	1.55	4.76	2.29	2.71	1.06
PCB-122	ng/kg	18	18	100%	23.7	464	45.6	80.0	102
PCB-123	ng/kg	18	17	94%	26.4	599	70.1	112	136
PCB-126	ng/kg	18	17	94%	3.43	57.5	7.08	11.6	12.8
PCB-127	ng/kg	10	3	30%	1.75	6.57	5.47	4.60	2.53
PCB-128/166	ng/kg	18	18	100%	135	1260	338	430	297
PCB-129/138/163	ng/kg	18	17	94%	1110	7160	2660	3060	1830
PCB-130	ng/kg	18	18	100%	104	736	225	274	172
PCB-131	ng/kg	18	17	94%	12.9	115	28.3	36.1	28.1
PCB-132	ng/kg	18	18	100%	326	2250	706	890	576
PCB-133	ng/kg	18	18	100%	43.3	193	84.6	102	52.0
PCB-134	ng/kg	18	18	100%	85.1	566	180	219	137
PCB-135/151	ng/kg	18	18	100%	495	3160	1100	1340	786
PCB-136	ng/kg	18	18	100%	103	657	238	314	181
PCB-137	ng/kg	18	18	100%	62.3	637	140	188	146
PCB-139/140	ng/kg	18	18	100%	22.7	172	50.1	62.5	41.5
PCB-141	ng/kg	18	16	89%	99.8	889	232	346	243
PCB-142	ng/kg	18	1	6%	3.22	3.22	NA	NA	NA
PCB-143	ng/kg	18	2	11%	3.78	9.98	6.88	6.88	4.38
PCB-144	ng/kg	18	18	100%	38.1	279	97.6	127	80.3
PCB-145	ng/kg	18	6	33%	1.88	4.82	2.38	2.65	1.10
PCB-146	ng/kg	17	17	100%	294	1440	570	705	404
PCB-147/149	ng/kg	18	18	100%	1000	5360	2220	2620	1520
PCB-148	ng/kg	18	17	94%	7.03	31	14.3	16.3	7.19
PCB-150	ng/kg	18	18	100%	4.88	23.5	12.9	13.5	5.70
PCB-152	ng/kg	18	16	89%	1.9	10.9	4.87	5.05	2.36
PCB-153/168	ng/kg	18	16	89%	1200	6150	2680	3060	1720
PCB-154	ng/kg	18	18	100%	30.3	188	74.5	85.4	46.3
PCB-155	ng/kg	18	18	100%	20.7	69	34.9	37.6	14.5

Table 3-17
Statistical Summary of Detected Analytes - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-156/157	ng/kg	18	17	94%	93.7	888	216	300	212
PCB-158	ng/kg	18	17	94%	99.7	761	236	290	190
PCB-162	ng/kg	18	10	56%	6.66	94.8	47.0	48.7	24.7
PCB-164	ng/kg	18	18	100%	103	605	219	253	149
PCB-165	ng/kg	17	14	82%	2.17	7.8	3.72	4.14	1.86
PCB-167	ng/kg	18	18	100%	40.5	331	95.9	124	80.1
PCB-170	ng/kg	18	15	83%	136	2230	239	442	524
PCB-171/173	ng/kg	13	13	100%	76.3	1100	178	263	277
PCB-172	ng/kg	18	15	83%	27.2	618	55.1	105	147
PCB-174	ng/kg	17	16	94%	127	4620	286	647	1090
PCB-175	ng/kg	17	17	100%	16.7	225	40.2	54.2	50.1
PCB-176	ng/kg	18	18	100%	32.3	586	79.8	115	127
PCB-177	ng/kg	16	16	100%	237	3260	511	733	742
PCB-178	ng/kg	17	17	100%	148	1420	303	391	307
PCB-179	ng/kg	18	18	100%	140	2340	340	468	502
PCB-180/193	ng/kg	18	16	89%	480	9330	1020	1690	2130
PCB-181	ng/kg	16	16	100%	2.57	15.1	4.71	6.15	3.95
PCB-182	ng/kg	17	17	100%	2.18	25.1	4.98	6.32	5.44
PCB-183/185	ng/kg	17	16	94%	200	3760	443	718	863
PCB-184	ng/kg	18	16	89%	1.89	5.75	3.91	3.63	1.18
PCB-187	ng/kg	16	16	100%	545	7950	1150	1670	1800
PCB-188	ng/kg	18	18	100%	4.15	30.1	7.47	9.90	6.62
PCB-189	ng/kg	18	18	100%	5.75	59.8	10.5	15.5	13.2
PCB-190	ng/kg	18	15	83%	23	345	46.8	86.9	82.6
PCB-191	ng/kg	18	18	100%	13	166	24.3	35.8	36.0
PCB-194	ng/kg	18	15	83%	25.2	2210	60.9	217	553
PCB-195	ng/kg	18	18	100%	14.8	1130	29.9	99.1	258
PCB-196	ng/kg	18	18	100%	44.9	1290	108	182	282
PCB-197/200	ng/kg	15	15	100%	14	738	33.0	80.8	183
PCB-198/199	ng/kg	18	17	94%	162	3260	342	532	720
PCB-201	ng/kg	18	18	100%	29.3	628	73.2	107	134
PCB-202	ng/kg	18	18	100%	103	1070	209	269	218
PCB-203	ng/kg	18	18	100%	40	1730	108	200	386
PCB-205	ng/kg	18	16	89%	3.19	144	5.92	15.7	34.4
PCB-206	ng/kg	18	18	100%	32.8	930	68.3	119	205
PCB-207	ng/kg	18	18	100%	2.99	150	6.99	15.4	33.8
PCB-208	ng/kg	18	18	100%	11.4	239	27.0	38.1	51.5
PCB-209	ng/kg	18	3	17%	85.4	105	103	97.8	10.8
Total PCB Congeners (209)	ng/kg	18	18	100%	33000	431000	72100	102000	93400
Aroclor PCBs									
Aroclor-1248	ug/kg	18	18	100%	19	210	34.0	45.7	44.5
Aroclor-1254	ug/kg	18	12	67%	13	110	27.0	33.6	26.3
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	18	18	100%	19	320	46.0	68.3	68.1
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	18	18	100%	19	320	46.0	68.3	68.1
Pesticides									
2,4'-DDD	pg/g	18	18	100%	540	5840	1000	1870	1830
2,4'-DDE	pg/g	18	18	100%	532	9910	1180	2570	2740
2,4'-DDT	pg/g	18	14	78%	9.01	124	22.2	34.5	35.7
4,4'-DDD	pg/g	18	18	100%	1120	12600	2130	4150	4000
4,4'-DDE	pg/g	18	18	100%	2420	31600	5100	8330	7750
4,4'-DDT	pg/g	18	18	100%	55	4160	93.8	380	953
Aldrin	pg/g	18	12	67%	8.02	72.7	11.3	18.4	19.0
Alpha-BHC	pg/g	18	12	67%	5.32	13.8	8.42	8.74	2.71
Alpha-Chlordane	pg/g	18	18	100%	665	2140	1070	1120	359
Beta-BHC	pg/g	18	2	11%	16.3	20	18.2	18.2	2.62
cis-Nonachlor	pg/g	18	18	100%	215	731	364	381	129

Table 3-17
Statistical Summary of Detected Analytes - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dieldrin	pg/g	18	18	100%	342	897	534	554	168
Endrin	pg/g	18	1	6%	4.3	4.3	NA	NA	NA
Gamma-BHC (Lindane)	pg/g	18	9	50%	7.26	9.73	8.62	8.63	0.904
Heptachlor Epoxide	pg/g	18	18	100%	51.6	127	77.2	77.7	17.4
Hexachlorobenzene	pg/g	18	18	100%	120	606	213	234	106
Mirex	pg/g	17	14	82%	22.6	92.4	31.5	37.5	18.6
Nonachlor, trans-	pg/g	18	18	100%	379	1190	620	643	220
Oxychlordane	pg/g	18	15	83%	27.6	84.5	46.2	48.7	14.1
trans-Chlordane	pg/g	18	18	100%	471	1440	804	798	241
trans-Heptachlor Epoxide	pg/g	18	2	11%	118	133	126	126	10.6
Total Alpha + Gamma Chlordane	ppb	18	18	100%	1.1	3.6	1.90	1.93	0.590
Total DDT (2,4)	ppb	18	18	100%	1.2	13	2.30	4.46	4.26
Total DDT (4,4)	ppb	18	18	100%	3.8	41	7.75	12.9	11.3
Total DDT (2,4 & 4,4)	ppb	18	18	100%	5	54	10.4	17.4	15.5
Semivolatiles									
1-Methylnaphthalene	ug/kg	18	6	33%	2.9	9	3.15	4.12	2.40
2-Methylnaphthalene	ug/kg	18	10	56%	3.1	16	4.80	5.87	3.77
2-Methylphenol	ug/kg	18	4	22%	75	240	130	144	71.1
4-Methylphenol	ug/kg	18	1	6%	71	71	NA	NA	NA
Acenaphthene	ug/kg	18	10	56%	2.9	7.3	4.50	4.79	1.59
Acenaphthylene	ug/kg	18	11	61%	2.8	8.4	3.30	4.42	2.05
Acetophenone	ug/kg	18	10	56%	68	230	95.0	116	54.7
Anthracene	ug/kg	18	18	100%	3.7	73	6.45	11.2	15.8
Benzaldehyde	ug/kg	18	17	94%	480	2000	960	1080	441
Benzo(a)anthracene	ug/kg	18	18	100%	13	57	27.0	28.7	12.8
Benzo(a)pyrene	ug/kg	18	18	100%	11	48	25.0	26.9	13.2
Benzo(b)fluoranthene	ug/kg	18	18	100%	15	62	32.0	32.1	12.6
Benzo(e)pyrene	ug/kg	18	18	100%	23	61	41.0	40.5	10.7
Benzo(g,h,i)perylene	ug/kg	18	18	100%	15	47	26.5	28.6	9.44
Benzo(j,k)fluoranthene	ug/kg	18	18	100%	13	47	31.0	29.5	11.2
Benzoic Acid	ug/kg	18	15	83%	760	5600	2200	2290	1180
bis(2-Ethylhexyl)phthalate	ug/kg	18	1	6%	300	300	NA	NA	NA
C1-Chrysenes	ug/kg	18	18	100%	24	93	46.0	47.8	15.9
C1-Fluoranthenes/Pyrenes	ug/kg	18	18	100%	54	140	79.5	84.1	23.5
C1-Naphthalenes	ug/kg	18	17	94%	2.6	16	4.90	5.63	3.17
C1-Phenanthrenes/Anthracenes	ug/kg	18	4	22%	8.1	33	31.0	25.8	11.8
C2-Chrysenes	ug/kg	18	7	39%	27	82	42.0	45.0	18.6
C2-Fluoranthenes/Pyrenes	ug/kg	18	18	100%	33	110	52.5	54.3	17.5
C2-Naphthalenes	ug/kg	18	13	72%	4.3	19	7.10	8.11	3.80
C2-Phenanthrene/anthracenes	ug/kg	18	7	39%	22	58	42.0	40.9	10.5
C3-Chrysenes	ug/kg	18	8	44%	14	40	20.0	22.3	8.17
C3-Fluoranthenes/Pyrenes	ug/kg	18	17	94%	23	90	42.0	42.7	16.3
C3-Naphthalene	ug/kg	18	4	22%	12	31	14.5	18.0	8.98
C3-Phenanthrene/anthracenes	ug/kg	18	4	22%	45	110	55.0	66.3	29.8
C4-Naphthalene	ug/kg	18	4	22%	16	28	18.0	20.0	5.48
C4-Phenanthrenes/anthracenes	ug/kg	18	3	17%	3.3	4.6	4.20	4.03	0.666
Chrysene	ug/kg	18	18	100%	22	62	38.5	38.8	12.4
Dibenzo(a,h)anthracene	ug/kg	18	17	94%	2.6	9.7	5.00	5.48	2.33
Fluoranthene	ug/kg	18	18	100%	24	100	44.0	50.3	23.0
Fluorene	ug/kg	18	4	22%	2.6	11	4.60	5.70	3.70
Indeno(1,2,3-cd)pyrene	ug/kg	18	17	94%	8.3	46	20.0	22.4	11.8
Naphthalene	ug/kg	18	16	89%	2.6	12	4.20	5.41	2.89
Perylene	ug/kg	18	18	100%	5.4	16	9.95	10.4	3.64
Phenanthrene	ug/kg	18	18	100%	3.4	58	7.45	14.1	16.2
Phenol	ug/kg	18	3	17%	68	77	75.0	73.3	4.73
Pyrene	ug/kg	18	18	100%	37	120	67.0	67.9	24.9

Table 3-17
Statistical Summary of Detected Analytes - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Total HMW PAHs	ppb	18	18	100%	170	580	320	330	129
Total LMW PAHs	ppb	18	18	100%	9.6	170	27.0	39.9	39.3
TOTAL PAHs	ppb	18	18	100%	180	720	345	368	161
Physical Properties[2]									
Percent Moisture	%	18	18	100%	78.8	83.2	81.5	81.4	1.03
Water Content ASTM D2216	%	18	18	100%	372	497	440	439	29.3

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-18
Statistical Summary of Detected Analytes in the North Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	8	8	100%	2.33	5.14	3.64	3.83	0.918
1,2,3,4,6,7,8-HpCDF	ng/kg	8	8	100%	2.95	13	6.12	6.81	3.58
1,2,3,4,7,8,9-HpCDF	ng/kg	8	8	100%	0.172	0.394	0.270	0.273	0.0909
1,2,3,4,7,8-HxCDD	ng/kg	8	7	88%	0.0658	0.779	0.108	0.200	0.257
1,2,3,4,7,8-HxCDF	ng/kg	8	8	100%	0.887	3.92	1.74	2.00	1.04
1,2,3,6,7,8-HxCDD	ng/kg	8	8	100%	0.224	0.667	0.331	0.399	0.175
1,2,3,6,7,8-HxCDF	ng/kg	8	8	100%	0.258	1.02	0.449	0.514	0.267
1,2,3,7,8,9-HxCDD	ng/kg	8	8	100%	0.138	0.408	0.213	0.242	0.0963
1,2,3,7,8,9-HxCDF	ng/kg	8	8	100%	0.0534	0.251	0.184	0.174	0.0648
1,2,3,7,8-PeCDD	ng/kg	8	7	88%	0.108	0.333	0.186	0.203	0.0877
1,2,3,7,8-PeCDF	ng/kg	8	8	100%	0.331	1.24	0.560	0.672	0.306
2,3,4,6,7,8-HxCDF	ng/kg	8	8	100%	0.211	0.579	0.323	0.367	0.125
2,3,4,7,8-PeCDF	ng/kg	8	8	100%	0.565	1.61	1.01	1.07	0.340
2,3,7,8-TCDD	ng/kg	8	8	100%	3.63	13.4	5.16	6.19	3.08
2,3,7,8-TCDF	ng/kg	8	8	100%	1.03	2.72	1.38	1.56	0.529
OCDD	ng/kg	8	8	100%	16.8	44.2	31.1	30.8	9.50
OCDF	ng/kg	8	8	100%	4.61	14.7	7.55	8.57	3.99
Percent Lipid	%	8	8	100%	0.1	0.48	0.290	0.303	0.120
Metals									
Aluminum	mg/kg	8	8	100%	355	649	427	450	96.0
Antimony	mg/kg	8	8	100%	0.0977	0.379	0.201	0.204	0.0992
Arsenic	mg/kg	8	8	100%	3.73	8.67	4.89	5.42	1.73
Barium	mg/kg	8	8	100%	6.64	14.7	8.82	9.85	3.10
Beryllium	mg/kg	8	8	100%	0.0307	0.0438	0.0344	0.0364	0.00508
Cadmium	mg/kg	8	8	100%	0.138	0.243	0.206	0.203	0.0354
Calcium	mg/kg	8	8	100%	1260	2890	1700	1870	565
Chromium	mg/kg	8	8	100%	2.13	5.18	4.06	3.62	1.19
Cobalt	mg/kg	8	8	100%	0.394	1.48	0.552	0.780	0.438
Copper	mg/kg	8	8	100%	6.29	11.1	8.25	8.54	1.82
Iron	mg/kg	8	8	100%	2130	4750	2630	3000	864
Lead	mg/kg	8	8	100%	4.98	27.1	15.9	16.0	7.23
Magnesium	mg/kg	8	8	100%	728	964	806	823	87.0
Manganese	mg/kg	8	8	100%	27.3	245	61.5	108	86.5
Mercury	ng/g	8	8	100%	50.5	391	80.8	121	112
Methyl Mercury	ng/g	8	8	100%	21.6	60.9	34.6	36.9	12.9
Nickel	mg/kg	8	8	100%	1.35	4.19	2.19	2.47	0.877
Potassium	mg/kg	8	8	100%	2040	2520	2290	2260	188
Selenium	mg/kg	8	8	100%	0.869	1.12	0.909	0.968	0.108
Silver	mg/kg	8	8	100%	0.244	0.549	0.369	0.388	0.0983
Sodium	mg/kg	8	8	100%	2900	4060	3140	3300	447
Titanium	mg/kg	8	8	100%	10	22.7	14.3	14.7	4.14
Vanadium	mg/kg	8	8	100%	1.39	3.06	2.39	2.40	0.538
Zinc	mg/kg	8	8	100%	24.8	32.4	29.2	28.7	2.82
Butyltins									
Dibutyltin	ug/kg	8	1	13%	1.3	1.3	NA	NA	NA
Tributyltin	ug/kg	8	8	100%	5.3	7.1	6.10	6.11	0.601
PCB Congeners									
PCB-1	ng/kg	8	8	100%	27	53	34.4	35.3	8.21
PCB-2	ng/kg	8	6	75%	5.1	14	6.40	7.69	3.31
PCB-3	ng/kg	4	4	100%	7.28	14.6	11.6	11.2	3.06
PCB-4	ng/kg	8	8	100%	136	554	184	228	137
PCB-5	ng/kg	8	5	63%	1.09	9.95	2.79	3.87	3.55
PCB-6	ng/kg	8	8	100%	35.2	396	54.1	95.7	122
PCB-7	ng/kg	8	6	75%	3.07	37.4	5.55	10.8	13.3
PCB-8	ng/kg	8	8	100%	86.7	916	134	242	279
PCB-9	ng/kg	8	5	63%	4.96	57.7	13.3	19.6	21.8
PCB-10	ng/kg	8	8	100%	10.2	29.6	14.2	15.9	5.99
PCB-11	ng/kg	8	8	100%	203	451	289	301	79.8
PCB-12/13	ng/kg	8	8	100%	39.5	201	56.2	72.7	53.2
PCB-15	ng/kg	8	8	100%	185	722	259	307	173
PCB-16	ng/kg	8	8	100%	184	994	329	393	257
PCB-17	ng/kg	8	8	100%	294	1370	462	567	346
PCB-18/30	ng/kg	8	8	100%	477	2270	769	931	577

Table 3-18
Statistical Summary of Detected Analytes in the North Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-19	ng/kg	8	8	100%	99.7	472	143	182	122
PCB-20/28	ng/kg	8	8	100%	1460	7260	2340	2830	1900
PCB-21/33	ng/kg	8	8	100%	262	1670	424	578	471
PCB-22	ng/kg	8	8	100%	356	2020	557	719	553
PCB-23	ng/kg	8	4	50%	0.845	3.18	1.27	1.64	1.05
PCB-24	ng/kg	8	2	25%	7.23	10.6	8.92	8.92	2.38
PCB-25	ng/kg	8	8	100%	152	972	233	323	270
PCB-26/29	ng/kg	8	8	100%	280	1440	428	533	381
PCB-27	ng/kg	8	8	100%	108	458	161	187	113
PCB-31	ng/kg	8	8	100%	1020	4480	1550	1910	1140
PCB-32	ng/kg	8	8	100%	290	1490	434	554	394
PCB-34	ng/kg	8	8	100%	6.52	37.2	11.1	13.9	9.93
PCB-35	ng/kg	8	8	100%	26	93	41.4	49.6	22.2
PCB-36	ng/kg	8	8	100%	3.21	9.49	5.21	5.35	1.97
PCB-37	ng/kg	8	8	100%	268	1440	414	530	384
PCB-38	ng/kg	8	8	100%	1.58	7.41	2.41	2.97	1.88
PCB-39	ng/kg	8	8	100%	10.1	33.6	15.6	18.0	7.77
PCB-40/71	ng/kg	8	8	100%	739	3020	1140	1350	744
PCB-41	ng/kg	8	8	100%	62.8	394	109	142	109
PCB-42	ng/kg	8	8	100%	485	2180	808	958	548
PCB-43	ng/kg	8	8	100%	62	257	103	121	66.4
PCB-44/47/65	ng/kg	8	8	100%	1670	6670	2640	3130	1640
PCB-45	ng/kg	8	8	100%	133	846	242	298	230
PCB-46	ng/kg	8	8	100%	68.4	334	107	135	86.2
PCB-48	ng/kg	8	8	100%	266	1180	402	492	302
PCB-49/69	ng/kg	8	8	100%	1110	4420	1820	2090	1100
PCB-50/53	ng/kg	8	8	100%	204	959	355	430	240
PCB-51	ng/kg	8	8	100%	164	458	244	285	97.8
PCB-52	ng/kg	8	8	100%	1770	6250	2740	3130	1550
PCB-54	ng/kg	8	8	100%	19	43.7	29.4	30.7	8.02
PCB-55	ng/kg	8	8	100%	12	92.2	19.4	28.0	26.7
PCB-56	ng/kg	8	8	100%	770	3520	1200	1440	905
PCB-57	ng/kg	8	8	100%	10.3	40.1	13.8	17.8	10.2
PCB-58	ng/kg	8	8	100%	13.9	35.8	17.4	20.5	7.87
PCB-60	ng/kg	8	8	100%	227	1370	396	490	376
PCB-61/70/74/76	ng/kg	8	8	100%	2170	9350	3440	4210	2380
PCB-62/75	ng/kg	8	8	100%	209	806	308	368	195
PCB-63	ng/kg	8	8	100%	59.1	239	93.6	110	59.7
PCB-64	ng/kg	8	8	100%	683	2970	1040	1280	753
PCB-66	ng/kg	8	8	100%	1520	6720	2470	2920	1710
PCB-67	ng/kg	8	8	100%	50.8	231	78.3	96.6	60.2
PCB-68	ng/kg	8	8	100%	22.3	57.9	28.7	34.4	14.3
PCB-72	ng/kg	8	8	100%	35.1	97.4	49.0	56.9	23.2
PCB-73	ng/kg	8	6	75%	6.68	14.8	8.64	9.80	3.40
PCB-77	ng/kg	2	2	100%	138	267	203	203	91.2
PCB-79	ng/kg	8	8	100%	15.2	38.9	28.2	26.0	8.24
PCB-81	ng/kg	8	7	88%	4.53	21.5	8.04	9.00	5.87
PCB-82	ng/kg	8	8	100%	168	504	248	281	118
PCB-83	ng/kg	8	8	100%	104	276	165	176	65.3
PCB-84	ng/kg	8	8	100%	285	742	387	444	167
PCB-85/116/117	ng/kg	8	8	100%	267	725	404	455	187
PCB-86/87/97/109/119/125	ng/kg	8	8	100%	787	2010	1190	1280	486
PCB-89	ng/kg	8	8	100%	19.3	67.3	27.9	32.3	16.1
PCB-90/101/113	ng/kg	8	8	100%	1350	3830	1980	2180	898
PCB-91	ng/kg	8	8	100%	261	615	357	395	141
PCB-92	ng/kg	8	8	100%	368	1130	554	603	264
PCB-93/100	ng/kg	8	8	100%	80.8	216	113	122	43.2
PCB-94	ng/kg	8	8	100%	24.1	54.3	29.5	34.0	11.5
PCB-95	ng/kg	8	8	100%	1050	2770	1530	1710	672
PCB-96	ng/kg	8	8	100%	13.2	36.9	17.6	21.1	8.60
PCB-98/102	ng/kg	8	8	100%	78.5	188	113	124	43.6
PCB-99	ng/kg	8	7	88%	763	2070	1370	1350	508
PCB-103	ng/kg	8	8	100%	30.4	94	44.4	49.1	20.1
PCB-104	ng/kg	8	8	100%	8.88	23.3	13.2	13.8	4.15

Table 3-18
Statistical Summary of Detected Analytes in the North Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-105	ng/kg	8	8	100%	443	1280	672	754	312
PCB-107	ng/kg	8	8	100%	101	278	155	173	72.5
PCB-108/124	ng/kg	8	8	100%	56.5	157	91.1	99.5	40.3
PCB-110/115	ng/kg	8	8	100%	1560	3950	2180	2480	917
PCB-111	ng/kg	8	8	100%	2.68	8.76	3.72	4.32	2.01
PCB-112	ng/kg	8	3	38%	3.15	6.88	4.86	4.96	1.87
PCB-114	ng/kg	8	8	100%	28.5	93.5	45.8	51.5	23.3
PCB-118	ng/kg	8	7	88%	1070	3000	1970	1990	788
PCB-120	ng/kg	8	8	100%	7.81	25.8	12.9	13.9	5.96
PCB-121	ng/kg	8	8	100%	1.7	4.01	2.20	2.43	0.733
PCB-122	ng/kg	8	8	100%	23.7	74.4	36.5	40.5	17.8
PCB-123	ng/kg	8	7	88%	26.4	86.3	58.8	55.0	22.5
PCB-126	ng/kg	8	7	88%	3.43	10.1	6.54	6.13	2.47
PCB-127	ng/kg	6	1	17%	1.75	1.75	NA	NA	NA
PCB-128/166	ng/kg	8	8	100%	135	469	236	262	114
PCB-129/138/163	ng/kg	8	7	88%	1110	4950	1930	2190	1350
PCB-130	ng/kg	8	8	100%	104	359	157	182	87.8
PCB-131	ng/kg	8	8	100%	13.9	42.5	19.6	22.8	10.1
PCB-132	ng/kg	8	8	100%	359	1350	473	602	336
PCB-133	ng/kg	8	8	100%	43.3	193	66.3	79.4	49.2
PCB-134	ng/kg	8	8	100%	90.2	324	125	152	78.7
PCB-135/151	ng/kg	8	8	100%	587	3160	783	1110	866
PCB-136	ng/kg	8	8	100%	141	657	184	254	172
PCB-137	ng/kg	8	8	100%	62.3	178	97.6	107	44.0
PCB-139/140	ng/kg	8	8	100%	24.6	83.1	34.9	41.3	20.0
PCB-141	ng/kg	8	7	88%	120	889	215	284	271
PCB-143	ng/kg	8	1	13%	3.78	3.78	NA	NA	NA
PCB-144	ng/kg	8	8	100%	54	279	71.2	101	76.0
PCB-145	ng/kg	8	1	13%	1.88	1.88	NA	NA	NA
PCB-146	ng/kg	8	8	100%	294	1400	427	539	368
PCB-147/149	ng/kg	8	8	100%	1140	5300	1510	2030	1400
PCB-148	ng/kg	8	7	88%	8.82	31	10.1	13.7	7.84
PCB-150	ng/kg	8	8	100%	7.55	23.5	9.79	11.6	5.28
PCB-152	ng/kg	8	7	88%	2.88	6.57	3.70	4.23	1.32
PCB-153/168	ng/kg	8	7	88%	1220	6150	1980	2400	1740
PCB-154	ng/kg	8	8	100%	43	164	53.6	68.9	40.8
PCB-155	ng/kg	8	8	100%	24.1	64.2	37.4	39.3	12.8
PCB-156/157	ng/kg	8	7	88%	93.7	342	179	183	85.0
PCB-158	ng/kg	8	7	88%	99.7	429	173	195	116
PCB-162	ng/kg	8	2	25%	26.5	94.8	60.7	60.7	48.3
PCB-164	ng/kg	8	8	100%	105	423	148	186	108
PCB-165	ng/kg	8	7	88%	2.17	5.39	3.69	3.36	1.16
PCB-167	ng/kg	8	8	100%	40.5	156	66.5	77.2	39.0
PCB-170	ng/kg	8	6	75%	136	2230	208	533	832
PCB-171/173	ng/kg	6	6	100%	76.3	1100	122	282	403
PCB-172	ng/kg	8	6	75%	30	618	44.8	138	235
PCB-174	ng/kg	8	7	88%	181	4620	271	875	1650
PCB-175	ng/kg	8	8	100%	16.7	225	30.0	53.1	70.2
PCB-176	ng/kg	8	8	100%	42.2	586	56.5	124	187
PCB-177	ng/kg	8	8	100%	237	3260	395	750	1020
PCB-178	ng/kg	8	8	100%	148	1420	256	378	427
PCB-179	ng/kg	8	8	100%	172	2340	239	504	745
PCB-180/193	ng/kg	8	7	88%	480	9330	940	1990	3240
PCB-181	ng/kg	8	8	100%	2.57	11.1	3.92	4.74	2.80
PCB-182	ng/kg	8	8	100%	2.35	25.1	4.07	6.43	7.63
PCB-183/185	ng/kg	8	7	88%	217	3760	404	822	1300
PCB-184	ng/kg	8	6	75%	2.26	5.75	3.76	3.64	1.31
PCB-187	ng/kg	8	8	100%	545	7950	915	1760	2520
PCB-188	ng/kg	8	8	100%	4.15	12.7	6.28	6.92	2.76
PCB-189	ng/kg	8	8	100%	5.75	59.8	8.26	14.5	18.4
PCB-190	ng/kg	8	6	75%	23	345	46.7	93.3	124
PCB-191	ng/kg	8	8	100%	13	166	18.8	36.6	52.6
PCB-194	ng/kg	8	6	75%	36	2210	53.2	410	882
PCB-195	ng/kg	8	8	100%	16.6	1130	27.9	164	390

Table 3-18
Statistical Summary of Detected Analytes in the North Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-196	ng/kg	8	8	100%	44.9	1290	83.6	231	428
PCB-197/200	ng/kg	6	6	100%	14.3	738	22.0	140	293
PCB-198/199	ng/kg	8	7	88%	205	3260	295	692	1130
PCB-201	ng/kg	8	8	100%	29.3	628	54.3	124	204
PCB-202	ng/kg	8	8	100%	103	1070	170	272	326
PCB-203	ng/kg	8	8	100%	42.8	1730	76.4	283	585
PCB-205	ng/kg	8	6	75%	3.27	144	4.98	27.9	56.9
PCB-206	ng/kg	8	8	100%	34.1	930	52.2	161	311
PCB-207	ng/kg	8	8	100%	3.82	150	6.19	23.8	51.0
PCB-208	ng/kg	8	8	100%	13.5	239	20.4	47.5	77.6
PCB-209	ng/kg	8	1	13%	103	103	NA	NA	NA
Total PCB Congeners (209)	ng/kg	8	8	100%	33000	144000	54900	70500	41400
Aroclor PCBs									
Aroclor-1248	ug/kg	8	8	100%	19	72	20.5	34.4	22.2
Aroclor-1254	ug/kg	8	4	50%	13	27	19.0	19.5	7.55
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	8	8	100%	19	91	36.5	44.1	25.5
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	8	8	100%	19	91	36.5	44.1	25.5
Pesticides									
2,4'-DDD	pg/g	8	8	100%	540	1170	657	744	227
2,4'-DDE	pg/g	8	8	100%	650	2400	772	989	591
2,4'-DDT	pg/g	8	5	63%	9.01	26.1	11.3	14.6	6.83
4,4'-DDD	pg/g	8	8	100%	1120	2740	1440	1640	586
4,4'-DDE	pg/g	8	8	100%	2710	8470	3360	4080	1960
4,4'-DDT	pg/g	8	8	100%	55.3	174	67.1	83.2	38.9
Aldrin	pg/g	8	6	75%	8.02	17.5	10.5	11.4	3.57
Alpha-BHC	pg/g	8	4	50%	5.32	9.06	6.62	6.90	1.72
Alpha-Chlordane	pg/g	8	8	100%	665	1680	1040	1070	332
Beta-BHC	pg/g	8	1	13%	16.3	16.3	NA	NA	NA
cis-Nonachlor	pg/g	8	8	100%	215	515	330	358	118
Dieldrin	pg/g	8	8	100%	342	648	472	482	116
Gamma-BHC (Lindane)	pg/g	8	4	50%	7.41	9.73	8.31	8.44	0.965
Heptachlor Epoxide	pg/g	8	8	100%	51.6	103	75.2	76.5	16.6
Hexachlorobenzene	pg/g	8	8	100%	120	270	207	202	42.6
Mirex	pg/g	8	7	88%	22.6	92.4	33.4	42.2	24.8
Nonachlor, trans-	pg/g	8	8	100%	379	945	560	594	207
Oxychlordane	pg/g	8	7	88%	27.6	61	44.9	42.3	12.8
trans-Chlordane	pg/g	8	8	100%	471	1020	703	728	207
Total Alpha + Gamma Chlordane	ppb	8	8	100%	1.1	2.7	1.75	1.80	0.529
Total DDT (2,4)	ppb	8	8	100%	1.2	3.3	1.45	1.75	0.717
Total DDT (4,4)	ppb	8	8	100%	3.9	11	4.80	5.84	2.53
Total DDT (2,4 & 4,4)	ppb	8	8	100%	5.2	14	6.25	7.63	3.21
Semivolatiles									
1-Methylnaphthalene	ug/kg	8	2	25%	3	3.5	3.25	3.25	0.354
2-Methylnaphthalene	ug/kg	8	4	50%	3.1	7.1	4.80	4.95	1.67
2-Methylphenol	ug/kg	8	1	13%	150	150	NA	NA	NA
4-Methylphenol	ug/kg	8	1	13%	71	71	NA	NA	NA
Acenaphthene	ug/kg	8	6	75%	2.9	6.3	4.00	4.12	1.28
Acenaphthylene	ug/kg	8	6	75%	2.8	7.2	3.50	4.08	1.68
Acetophenone	ug/kg	8	3	38%	68	230	72.0	123	92.4
Anthracene	ug/kg	8	8	100%	4.8	11	6.45	7.29	2.16
Benzaldehyde	ug/kg	8	7	88%	610	1800	830	987	404
Benzo(a)anthracene	ug/kg	8	8	100%	17	46	29.5	30.3	9.65
Benzo(a)pyrene	ug/kg	8	8	100%	17	47	30.5	30.9	11.0
Benzo(b)fluoranthene	ug/kg	8	8	100%	23	46	34.5	34.5	8.60
Benzo(e)pyrene	ug/kg	8	8	100%	31	61	43.5	43.8	9.41
Benzo(g,h,i)perylene	ug/kg	8	8	100%	22	45	27.5	29.4	7.44
Benzo(j,k)fluoranthene	ug/kg	8	8	100%	22	47	34.5	34.0	9.13
Benzoic Acid	ug/kg	8	6	75%	1300	3000	2150	2170	753
bis(2-Ethylhexyl)phthalate	ug/kg	8	1	13%	300	300	NA	NA	NA
C1-Chrysenes	ug/kg	8	8	100%	32	65	54.5	51.8	11.3
C1-Fluoranthenes/Pyrenes	ug/kg	8	8	100%	62	130	87.0	89.5	22.4
C1-Naphthalenes	ug/kg	8	8	100%	2.7	7.4	4.30	4.70	1.76
C2-Chrysenes	ug/kg	8	2	25%	27	42	34.5	34.5	10.6
C2-Fluoranthenes/Pyrenes	ug/kg	8	8	100%	37	77	52.5	52.0	12.6

Table 3-18
Statistical Summary of Detected Analytes in the North Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C2-Naphthalenes	ug/kg	8	6	75%	4.3	8	6.30	6.28	1.44
C2-Phenanthrene/anthracenes	ug/kg	8	2	25%	42	43	42.5	42.5	0.707
C3-Chrysenes	ug/kg	8	3	38%	14	19	16.0	16.3	2.52
C3-Fluoranthenes/Pyrenes	ug/kg	8	7	88%	28	61	34.0	37.7	11.1
C3-Phenanthrene/anthracenes	ug/kg	8	1	13%	60	60	NA	NA	NA
C4-Phenanthrenes/anthracenes	ug/kg	8	2	25%	3.3	4.2	3.75	3.75	0.636
Chrysene	ug/kg	8	8	100%	28	62	42.0	41.6	11.1
Dibenzo(a,h)anthracene	ug/kg	8	8	100%	3.5	9	5.25	5.64	1.92
Fluoranthene	ug/kg	8	8	100%	33	69	47.5	48.9	14.3
Indeno(1,2,3-cd)pyrene	ug/kg	8	7	88%	15	37	22.0	24.9	8.65
Naphthalene	ug/kg	8	8	100%	2.6	12	4.65	5.55	3.05
Perylene	ug/kg	8	8	100%	8.1	16	12.0	12.0	2.92
Phenanthrene	ug/kg	8	8	100%	4.4	18	7.45	8.54	4.56
Phenol	ug/kg	8	2	25%	68	77	72.5	72.5	6.36
Pyrene	ug/kg	8	8	100%	45	93	71.0	69.6	17.3
Total HMW PAHs	ppb	8	8	100%	220	500	345	348	96.3
Total LMW PAHs	ppb	8	8	100%	13	59	27.0	30.1	15.8
TOTAL PAHs	ppb	8	8	100%	230	550	370	375	110
Physical Properties[2]									
Percent Moisture	%	8	8	100%	79.9	83.2	81.5	81.6	0.969
Water Content ASTM D2216	%	8	8	100%	397	497	440	444	29.4

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-19
Statistical Summary of Detected Analytes in the Central Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	4	4	100%	2.91	6.74	5.22	5.02	1.63
1,2,3,4,6,7,8-HpCDF	ng/kg	4	4	100%	1.89	4.53	2.52	2.87	1.15
1,2,3,4,7,8,9-HpCDF	ng/kg	4	4	100%	0.111	0.313	0.221	0.217	0.0853
1,2,3,4,7,8-HxCDD	ng/kg	4	4	100%	0.0895	0.193	0.130	0.135	0.0472
1,2,3,4,7,8-HxCDF	ng/kg	4	4	100%	0.476	1.02	0.670	0.709	0.227
1,2,3,6,7,8-HxCDD	ng/kg	4	4	100%	0.42	0.825	0.821	0.722	0.201
1,2,3,6,7,8-HxCDF	ng/kg	4	4	100%	0.189	0.334	0.211	0.236	0.0684
1,2,3,7,8,9-HxCDD	ng/kg	4	4	100%	0.191	0.472	0.251	0.291	0.125
1,2,3,7,8,9-HxCDF	ng/kg	4	4	100%	0.105	0.154	0.138	0.134	0.0233
1,2,3,7,8-PeCDD	ng/kg	4	2	50%	0.172	0.505	0.339	0.339	0.235
1,2,3,7,8-PeCDF	ng/kg	4	4	100%	0.339	0.599	0.484	0.477	0.110
2,3,4,6,7,8-HxCDF	ng/kg	4	4	100%	0.212	0.32	0.231	0.248	0.0505
2,3,4,7,8-PeCDF	ng/kg	4	4	100%	0.541	0.933	0.759	0.748	0.161
2,3,7,8-TCDD	ng/kg	4	4	100%	2.75	9.59	3.76	4.96	3.13
2,3,7,8-TCDF	ng/kg	4	4	100%	1.33	2.07	1.95	1.83	0.343
OCDD	ng/kg	4	4	100%	26	41.2	31.4	32.5	6.41
OCDF	ng/kg	3	3	100%	2.15	5.45	3.55	3.72	1.66
Percent Lipid	%	4	4	100%	0.29	0.49	0.300	0.345	0.0968
Metals									
Aluminum	mg/kg	4	4	100%	295	405	329	340	51.5
Antimony	mg/kg	4	3	75%	0.0757	0.128	0.0858	0.0965	0.0277
Arsenic	mg/kg	4	4	100%	1.43	2.86	2.17	2.16	0.585
Barium	mg/kg	4	4	100%	2.83	8.6	6.35	6.03	2.86
Beryllium	mg/kg	4	4	100%	0.0184	0.0281	0.0266	0.0249	0.00440
Cadmium	mg/kg	4	4	100%	0.162	0.264	0.208	0.210	0.0419
Calcium	mg/kg	4	4	100%	1030	3170	2280	2190	1060
Chromium	mg/kg	4	4	100%	1.78	7.47	3.49	4.06	2.79
Cobalt	mg/kg	4	4	100%	0.306	1.02	0.428	0.546	0.323
Copper	mg/kg	4	4	100%	7.62	13.8	8.59	9.65	2.81
Iron	mg/kg	4	4	100%	908	1800	1580	1460	387
Lead	mg/kg	4	4	100%	4.89	11	8.96	8.45	2.57
Magnesium	mg/kg	4	4	100%	657	836	795	771	78.6
Manganese	mg/kg	4	4	100%	12.7	243	65.3	96.6	102
Mercury	ng/g	4	4	100%	55.3	101	68.7	73.4	19.6
Methyl Mercury	ng/g	4	4	100%	18	46.6	40.0	36.1	13.2
Nickel	mg/kg	4	4	100%	1.64	2.56	1.95	2.03	0.407
Potassium	mg/kg	4	4	100%	2230	2600	2350	2380	172
Selenium	mg/kg	4	4	100%	0.744	0.878	0.794	0.803	0.0557
Silver	mg/kg	4	4	100%	0.245	0.816	0.500	0.515	0.247
Sodium	mg/kg	4	4	100%	2950	3920	3450	3440	399
Titanium	mg/kg	4	4	100%	8.85	12.5	10.8	10.7	1.51
Vanadium	mg/kg	4	4	100%	1.11	2.35	1.65	1.69	0.508
Zinc	mg/kg	4	4	100%	21.9	31.3	28.9	27.8	4.06
Butyltins									
Dibutyltin	ug/kg	4	1	25%	1.3	1.3	NA	NA	NA
Tributyltin	ug/kg	4	4	100%	9.5	12	10.5	10.6	1.11
PCB Congeners									
PCB-1	ng/kg	4	4	100%	22.2	40.8	35.1	33.3	8.11
PCB-2	ng/kg	4	3	75%	3.65	8.23	4.16	5.35	2.51
PCB-3	ng/kg	3	3	100%	6.41	9.67	8.23	8.10	1.63
PCB-4	ng/kg	4	4	100%	150	213	169	175	26.8
PCB-5	ng/kg	4	1	25%	0.964	0.964	NA	NA	NA
PCB-6	ng/kg	4	4	100%	25.8	83.9	59.5	57.2	24.0
PCB-7	ng/kg	4	2	50%	4.64	12.9	8.77	8.77	5.84
PCB-8	ng/kg	4	4	100%	79.8	313	137	166	103
PCB-9	ng/kg	4	4	100%	3.79	20.1	8.16	10.1	7.16
PCB-10	ng/kg	4	4	100%	10.3	19.2	15.3	15.0	4.03
PCB-11	ng/kg	4	4	100%	194	635	311	363	211
PCB-12/13	ng/kg	4	4	100%	30.1	81.2	49.1	52.4	21.8
PCB-15	ng/kg	4	4	100%	218	451	285	310	104

Table 3-19
Statistical Summary of Detected Analytes in the Central Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-16	ng/kg	4	4	100%	202	473	305	321	114
PCB-17	ng/kg	4	4	100%	320	613	448	457	121
PCB-18/30	ng/kg	4	4	100%	482	1080	708	745	248
PCB-19	ng/kg	4	4	100%	112	168	141	141	23.4
PCB-20/28	ng/kg	4	4	100%	1850	3770	2670	2740	796
PCB-21/33	ng/kg	4	3	75%	264	611	407	427	174
PCB-22	ng/kg	4	4	100%	402	949	658	667	234
PCB-23	ng/kg	4	2	50%	0.829	1.46	1.14	1.14	0.446
PCB-25	ng/kg	4	4	100%	188	343	269	267	75.3
PCB-26/29	ng/kg	4	4	100%	350	698	521	523	159
PCB-27	ng/kg	4	4	100%	129	178	157	155	21.8
PCB-31	ng/kg	4	4	100%	1210	2770	1690	1840	676
PCB-32	ng/kg	4	4	100%	322	517	449	434	82.1
PCB-34	ng/kg	4	4	100%	7.71	16.4	11.4	11.7	3.99
PCB-35	ng/kg	4	3	75%	32.6	51.3	39.2	41.0	9.48
PCB-36	ng/kg	4	4	100%	4.7	9.45	7.60	7.34	2.45
PCB-37	ng/kg	4	3	75%	326	680	495	500	177
PCB-38	ng/kg	4	4	100%	1.33	4.5	2.80	2.86	1.34
PCB-39	ng/kg	4	4	100%	11	25	16.1	17.0	6.82
PCB-40/71	ng/kg	4	4	100%	840	1460	1080	1120	277
PCB-41	ng/kg	4	4	100%	61.4	177	98.2	109	49.0
PCB-42	ng/kg	4	4	100%	597	997	767	782	174
PCB-43	ng/kg	4	4	100%	66.2	141	89.6	96.6	32.4
PCB-44/47/65	ng/kg	4	4	100%	2000	3590	2510	2650	742
PCB-45	ng/kg	4	4	100%	157	297	211	219	60.6
PCB-46	ng/kg	4	4	100%	77.2	142	100	105	27.6
PCB-48	ng/kg	4	4	100%	259	534	363	380	115
PCB-49/69	ng/kg	4	4	100%	1270	2220	1580	1660	460
PCB-50/53	ng/kg	4	4	100%	251	427	342	340	86.3
PCB-51	ng/kg	4	4	100%	177	245	210	211	34.0
PCB-52	ng/kg	4	4	100%	2120	4060	2680	2880	940
PCB-54	ng/kg	4	4	100%	16.5	25.4	21.6	21.3	3.95
PCB-55	ng/kg	4	4	100%	10.6	33.8	25.1	23.6	11.6
PCB-56	ng/kg	4	4	100%	910	1550	1210	1220	279
PCB-57	ng/kg	4	4	100%	12.5	21.6	17.5	17.3	4.93
PCB-58	ng/kg	4	4	100%	16.8	22.5	19.9	19.8	2.80
PCB-60	ng/kg	4	4	100%	303	697	485	492	161
PCB-61/70/74/76	ng/kg	4	4	100%	2690	5490	3540	3810	1270
PCB-62/75	ng/kg	4	4	100%	247	383	305	310	56.6
PCB-63	ng/kg	4	4	100%	75.4	137	101	103	28.7
PCB-64	ng/kg	4	4	100%	820	1460	1050	1090	288
PCB-66	ng/kg	4	4	100%	1990	3460	2660	2690	690
PCB-67	ng/kg	4	4	100%	61.2	109	86.1	85.6	20.2
PCB-68	ng/kg	4	4	100%	24.4	41.8	34.8	33.9	8.99
PCB-72	ng/kg	4	4	100%	42.7	76.9	61.5	60.6	17.3
PCB-73	ng/kg	4	3	75%	9.24	10.4	9.57	9.74	0.598
PCB-79	ng/kg	4	4	100%	16.5	42.9	28.0	28.8	13.5
PCB-81	ng/kg	4	4	100%	4.88	11.9	7.61	8.00	2.92
PCB-82	ng/kg	4	4	100%	184	441	264	288	123
PCB-83	ng/kg	4	4	100%	112	238	181	178	58.0
PCB-84	ng/kg	4	4	100%	255	654	375	415	182
PCB-85/116/117	ng/kg	4	4	100%	295	680	468	478	191
PCB-86/87/97/109/119/125	ng/kg	4	4	100%	779	2090	1230	1330	605
PCB-89	ng/kg	4	4	100%	17.1	34.5	22.7	24.2	8.26
PCB-90/101/113	ng/kg	4	4	100%	1300	3250	2100	2190	904
PCB-91	ng/kg	4	4	100%	237	520	344	361	133
PCB-92	ng/kg	4	4	100%	400	853	627	627	225
PCB-93/100	ng/kg	4	4	100%	71	116	93.9	93.7	21.3
PCB-94	ng/kg	4	4	100%	20.2	31.4	26.0	25.9	6.21
PCB-95	ng/kg	4	4	100%	1130	2710	1790	1860	746
PCB-96	ng/kg	4	4	100%	10.5	25.2	13.7	15.8	6.91
PCB-98/102	ng/kg	4	4	100%	66.7	135	93.8	97.3	32.2

Table 3-19
Statistical Summary of Detected Analytes in the Central Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-99	ng/kg	4	4	100%	768	1900	1340	1340	558
PCB-103	ng/kg	4	4	100%	25.8	48.3	39.0	38.0	11.6
PCB-104	ng/kg	4	4	100%	6.97	13.4	9.15	9.67	2.72
PCB-105	ng/kg	4	4	100%	524	1610	834	950	509
PCB-107	ng/kg	4	4	100%	114	361	226	232	121
PCB-108/124	ng/kg	4	4	100%	67.1	256	129	145	88.1
PCB-110/115	ng/kg	4	4	100%	1550	4040	2490	2640	1160
PCB-111	ng/kg	4	3	75%	2.86	6.16	4.00	4.34	1.68
PCB-114	ng/kg	4	4	100%	35.7	112	58.1	66.0	35.7
PCB-118	ng/kg	4	4	100%	1260	4410	2260	2550	1460
PCB-120	ng/kg	4	4	100%	9.14	19.4	15.1	14.7	5.28
PCB-121	ng/kg	4	2	50%	1.55	2	1.78	1.78	0.318
PCB-122	ng/kg	4	4	100%	27.2	73.4	46.4	48.4	22.5
PCB-123	ng/kg	4	4	100%	43.7	112	60.9	69.4	32.5
PCB-126	ng/kg	4	4	100%	4.03	11.3	5.86	6.76	3.30
PCB-127	ng/kg	1	1	100%	5.47	5.47	NA	NA	NA
PCB-128/166	ng/kg	4	4	100%	179	531	316	336	170
PCB-129/138/163	ng/kg	4	4	100%	1220	3370	2110	2200	1100
PCB-130	ng/kg	4	4	100%	121	305	222	218	99.1
PCB-131	ng/kg	4	4	100%	12.9	46.3	26.1	27.8	16.1
PCB-132	ng/kg	4	4	100%	326	989	621	639	327
PCB-133	ng/kg	4	4	100%	54	114	88.3	86.1	28.2
PCB-134	ng/kg	4	4	100%	85.1	279	162	172	91.6
PCB-135/151	ng/kg	4	4	100%	495	1510	900	951	485
PCB-136	ng/kg	4	4	100%	103	364	186	210	119
PCB-137	ng/kg	4	4	100%	73	219	141	144	76.2
PCB-139/140	ng/kg	4	4	100%	22.7	71.8	48.1	47.7	25.7
PCB-141	ng/kg	4	4	100%	99.8	335	170	193	109
PCB-144	ng/kg	4	4	100%	38.1	141	72.5	81.0	48.2
PCB-145	ng/kg	4	1	25%	1.9	1.9	NA	NA	NA
PCB-146	ng/kg	3	3	100%	308	807	397	504	266
PCB-147/149	ng/kg	4	4	100%	1000	2840	1920	1920	920
PCB-148	ng/kg	4	4	100%	7.03	18.8	14.1	13.5	6.00
PCB-150	ng/kg	4	4	100%	4.88	20.9	11.4	12.1	7.53
PCB-152	ng/kg	4	3	75%	1.9	5.45	2.34	3.23	1.94
PCB-153/168	ng/kg	4	4	100%	1200	2980	2110	2100	956
PCB-154	ng/kg	4	4	100%	30.3	188	82.0	95.6	74.3
PCB-155	ng/kg	4	4	100%	20.9	45.5	35.1	34.1	11.7
PCB-156/157	ng/kg	4	4	100%	113	402	208	233	135
PCB-158	ng/kg	4	4	100%	106	336	196	208	115
PCB-162	ng/kg	4	3	75%	6.66	39.3	33.5	26.5	17.4
PCB-164	ng/kg	4	4	100%	103	269	186	186	87.6
PCB-165	ng/kg	3	2	67%	2.57	3.19	2.88	2.88	0.438
PCB-167	ng/kg	4	4	100%	52.9	170	98.5	105	56.0
PCB-170	ng/kg	4	4	100%	137	241	181	185	54.0
PCB-171/173	ng/kg	3	3	100%	80.7	178	95.1	118	52.5
PCB-172	ng/kg	4	4	100%	27.2	58.5	40.4	41.6	15.5
PCB-174	ng/kg	3	3	100%	127	280	139	182	85.1
PCB-175	ng/kg	3	3	100%	19.2	46.1	21.8	29.0	14.8
PCB-176	ng/kg	4	4	100%	32.3	90.5	58.7	60.1	30.3
PCB-177	ng/kg	3	3	100%	286	607	358	417	168
PCB-178	ng/kg	3	3	100%	166	367	206	246	106
PCB-179	ng/kg	4	4	100%	140	395	270	269	128
PCB-180/193	ng/kg	4	4	100%	536	1070	805	804	280
PCB-181	ng/kg	3	3	100%	2.65	6.19	3.23	4.02	1.90
PCB-182	ng/kg	3	3	100%	2.18	5.86	2.85	3.63	1.96
PCB-183/185	ng/kg	3	3	100%	200	495	234	310	161
PCB-184	ng/kg	4	4	100%	1.89	4.77	3.03	3.18	1.38
PCB-187	ng/kg	3	3	100%	597	1500	721	939	489
PCB-188	ng/kg	4	4	100%	4.69	30.1	13.4	15.4	12.2
PCB-189	ng/kg	4	4	100%	6.13	16.2	9.19	10.2	4.77
PCB-190	ng/kg	4	4	100%	25.4	45.9	38.1	36.9	9.70

Table 3-19
Statistical Summary of Detected Analytes in the Central Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-191	ng/kg	4	4	100%	13	28.4	21.7	21.2	8.33
PCB-194	ng/kg	4	4	100%	25.2	64.6	44.2	44.5	19.7
PCB-195	ng/kg	4	4	100%	14.8	37.9	22.6	24.5	10.6
PCB-196	ng/kg	4	4	100%	46.5	135	86.0	88.4	45.2
PCB-197/200	ng/kg	4	4	100%	14	39.7	24.1	25.5	12.9
PCB-198/199	ng/kg	4	4	100%	162	439	286	293	146
PCB-201	ng/kg	4	4	100%	38.5	102	71.9	71.1	34.1
PCB-202	ng/kg	4	4	100%	129	348	260	249	106
PCB-203	ng/kg	4	4	100%	40	146	78.3	85.7	52.9
PCB-205	ng/kg	4	4	100%	3.19	7.25	4.61	4.91	1.98
PCB-206	ng/kg	4	4	100%	32.8	123	70.5	74.2	47.1
PCB-207	ng/kg	4	4	100%	2.99	12.1	6.13	6.84	4.51
PCB-208	ng/kg	4	4	100%	11.4	46.7	25.1	27.1	17.9
PCB-209	ng/kg	4	1	25%	85.4	85.4	NA	NA	NA
Total PCB Congeners (209)	ng/kg	4	4	100%	43400	85000	59200	61700	20800
Aroclor PCBs									
Aroclor-1248	ug/kg	4	4	100%	21	41	30.5	30.8	9.74
Aroclor-1254	ug/kg	4	4	100%	13	36	27.5	26.0	10.9
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	4	4	100%	34	75	59.0	56.8	20.4
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	4	4	100%	34	75	59.0	56.8	20.4
Pesticides									
2,4'-DDD	pg/g	4	4	100%	605	1110	919	888	247
2,4'-DDE	pg/g	4	4	100%	532	2040	993	1140	665
2,4'-DDT	pg/g	4	4	100%	9.7	25.7	16.9	17.3	6.70
4,4'-DDD	pg/g	4	4	100%	1270	2360	1890	1850	502
4,4'-DDE	pg/g	4	4	100%	2420	6670	4070	4310	1890
4,4'-DDT	pg/g	4	4	100%	55	109	81.1	81.6	24.0
Aldrin	pg/g	4	3	75%	9.69	11.9	10.7	10.8	1.11
Alpha-BHC	pg/g	4	4	100%	6.73	8.71	8.42	8.07	0.932
Alpha-Chlordane	pg/g	4	4	100%	868	1340	1020	1060	199
cis-Nonachlor	pg/g	4	4	100%	296	429	347	355	58.4
Dieldrin	pg/g	4	4	100%	393	753	549	561	151
Gamma-BHC (Lindane)	pg/g	4	4	100%	7.26	9.7	8.96	8.72	1.07
Heptachlor Epoxide	pg/g	4	4	100%	61.7	83.7	76.9	74.8	10.8
Hexachlorobenzene	pg/g	4	4	100%	141	265	164	183	55.5
Mirex	pg/g	4	4	100%	26.2	36.2	32.5	31.9	4.78
Nonachlor, trans-	pg/g	4	4	100%	513	886	601	650	163
Oxychlordane	pg/g	4	4	100%	46	58.2	53.5	52.8	5.05
trans-Chlordane	pg/g	4	4	100%	609	859	767	751	127
trans-Heptachlor Epoxide	pg/g	4	1	25%	118	118	NA	NA	NA
Total Alpha + Gamma Chlordane	ppb	4	4	100%	1.5	2.2	1.80	1.83	0.299
Total DDT (2,4)	ppb	4	4	100%	1.2	3.2	1.90	2.05	0.896
Total DDT (4,4)	ppb	4	4	100%	3.8	8.9	6.10	6.23	2.31
Total DDT (2,4 & 4,4)	ppb	4	4	100%	5	12	8.10	8.30	3.15
Semivolatiles									
1-Methylnaphthalene	ug/kg	4	1	25%	9	9	NA	NA	NA
2-Methylnaphthalene	ug/kg	4	2	50%	3.7	16	9.85	9.85	8.70
2-Methylphenol	ug/kg	4	1	25%	75	75	NA	NA	NA
Acenaphthylene	ug/kg	4	1	25%	3	3	NA	NA	NA
Acetophenone	ug/kg	4	2	50%	73	150	112	112	54.4
Anthracene	ug/kg	4	4	100%	4.6	6.7	5.10	5.38	0.929
Benzaldehyde	ug/kg	4	4	100%	480	1700	1060	1070	512
Benzo(a)anthracene	ug/kg	4	4	100%	13	20	16.5	16.5	2.89
Benzo(a)pyrene	ug/kg	4	4	100%	11	17	15.5	14.8	2.63
Benzo(b)fluoranthene	ug/kg	4	4	100%	16	24	21.5	20.8	3.59
Benzo(e)pyrene	ug/kg	4	4	100%	25	38	31.0	31.3	5.85
Benzo(g,h,i)perylene	ug/kg	4	4	100%	17	27	22.5	22.3	4.99
Benzo(j,k)fluoranthene	ug/kg	4	4	100%	13	21	18.5	17.8	3.59
Benzoic Acid	ug/kg	4	4	100%	1400	5600	2100	2800	1980
C1-Chrysenes	ug/kg	4	4	100%	24	43	34.0	33.8	7.80
C1-Fluoranthenes/Pyrenes	ug/kg	4	4	100%	54	66	64.5	62.3	5.56

Table 3-19
Statistical Summary of Detected Analytes in the Central Zone - Softshell Clam

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C1-Naphthalenes	ug/kg	4	3	75%	3.6	16	4.90	8.17	6.81
C2-Chrysenes	ug/kg	4	1	25%	42	42	NA	NA	NA
C2-Fluoranthenes/Pyrenes	ug/kg	4	4	100%	33	56	43.0	43.8	9.46
C2-Naphthalenes	ug/kg	4	3	75%	6	19	7.10	10.7	7.21
C2-Phenanthrene/anthracenes	ug/kg	4	1	25%	38	38	NA	NA	NA
C3-Chrysenes	ug/kg	4	1	25%	22	22	NA	NA	NA
C3-Fluoranthenes/Pyrenes	ug/kg	4	4	100%	23	47	29.5	32.3	10.7
C3-Naphthalene	ug/kg	4	1	25%	31	31	NA	NA	NA
C4-Naphthalene	ug/kg	4	1	25%	28	28	NA	NA	NA
Chrysene	ug/kg	4	4	100%	22	33	26.0	26.8	4.57
Dibenzo(a,h)anthracene	ug/kg	4	4	100%	2.6	5	3.35	3.58	1.14
Fluoranthene	ug/kg	4	4	100%	24	42	29.5	31.3	7.72
Indeno(1,2,3-cd)pyrene	ug/kg	4	4	100%	10	17	12.5	13.0	3.16
Naphthalene	ug/kg	4	3	75%	2.6	9.6	3.30	5.17	3.86
Perylene	ug/kg	4	4	100%	6	8.6	6.70	7.00	1.16
Phenanthrene	ug/kg	4	4	100%	3.4	12	4.35	6.03	4.01
Pyrene	ug/kg	4	4	100%	37	52	43.5	44.0	6.27
Total HMW PAHs	ppb	4	4	100%	170	260	210	213	37.7
Total LMW PAHs	ppb	4	4	100%	9.6	35	19.5	20.9	11.1
TOTAL PAHs	ppb	4	4	100%	180	280	230	230	40.8
Physical Properties[2]									
Percent Moisture	%	4	4	100%	81.5	82.4	82.0	82.0	0.370
Water Content ASTM D2216	%	4	4	100%	439	469	455	454	12.4

Footnotes:

[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.

[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-20
Statistical Summary of Detected Analytes in the South Zone - Softshell Clam

	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	6	6	100%	2.51	13.7	5.04	6.22	4.24
1,2,3,4,6,7,8-HpCDF	ng/kg	6	6	100%	1.26	6.43	2.53	3.01	1.93
1,2,3,4,7,8,9-HpCDF	ng/kg	6	6	100%	0.104	0.454	0.221	0.230	0.127
1,2,3,4,7,8-HxCDD	ng/kg	6	6	100%	0.0701	0.572	0.319	0.332	0.216
1,2,3,4,7,8-HxCDF	ng/kg	6	6	100%	0.344	1.4	0.538	0.637	0.386
1,2,3,6,7,8-HxCDD	ng/kg	6	6	100%	0.21	1.02	0.467	0.522	0.299
1,2,3,6,7,8-HxCDF	ng/kg	6	6	100%	0.141	0.689	0.259	0.310	0.195
1,2,3,7,8,9-HxCDD	ng/kg	6	6	100%	0.111	0.513	0.303	0.316	0.164
1,2,3,7,8,9-HxCDF	ng/kg	6	5	83%	0.0902	0.198	0.157	0.148	0.0411
1,2,3,7,8-PeCDD	ng/kg	6	6	100%	0.162	0.273	0.248	0.236	0.0399
1,2,3,7,8-PeCDF	ng/kg	6	6	100%	0.342	1.27	0.766	0.834	0.336
2,3,4,6,7,8-HxCDF	ng/kg	6	6	100%	0.16	0.678	0.303	0.336	0.183
2,3,4,7,8-PeCDF	ng/kg	6	6	100%	0.379	1.48	1.01	0.953	0.378
2,3,7,8-TCDD	ng/kg	6	6	100%	1.69	7.08	3.73	3.98	2.01
2,3,7,8-TCDF	ng/kg	6	6	100%	1.36	4.24	2.55	2.50	1.06
OCDD	ng/kg	6	6	100%	19.5	126	44.3	55.9	41.2
OCDF	ng/kg	6	6	100%	1.96	9.66	4.04	4.68	2.87
Percent Lipid	%	6	6	100%	0.1	1.0	0.440	0.463	0.301
Metals									
Aluminum	mg/kg	6	5	83%	197	487	335	328	115
Antimony	mg/kg	6	5	83%	0.0668	1.07	0.172	0.345	0.411
Arsenic	mg/kg	6	6	100%	1.59	12.4	3.44	5.29	4.39
Barium	mg/kg	6	6	100%	0.584	27.5	9.57	11.6	10.1
Beryllium	mg/kg	6	5	83%	0.0149	0.288	0.0306	0.0782	0.117
Cadmium	mg/kg	6	5	83%	0.13	0.345	0.181	0.217	0.0944
Calcium	mg/kg	6	6	100%	1330	2130	1690	1700	327
Chromium	mg/kg	6	5	83%	1.18	5.81	1.79	3.11	2.17
Cobalt	mg/kg	6	5	83%	0.23	1.56	0.446	0.672	0.529
Copper	mg/kg	6	6	100%	6.94	30.2	11.1	14.1	8.44
Iron	mg/kg	6	6	100%	6.21	9970	1760	3560	3930
Lead	mg/kg	6	5	83%	4.61	94.8	7.42	26.6	38.7
Magnesium	mg/kg	6	6	100%	450	903	743	723	162
Manganese	mg/kg	6	6	100%	3.23	83.6	29.6	35.7	29.4
Mercury	ng/g	6	6	100%	62.3	213	86.2	102	56.2
Methyl Mercury	ng/g	6	6	100%	14.7	63.2	28.7	32.9	19.0
Nickel	mg/kg	6	5	83%	1.03	4.99	1.51	2.13	1.62
Potassium	mg/kg	6	6	100%	2140	4270	2360	2670	797
Selenium	mg/kg	6	6	100%	0.797	0.969	0.911	0.896	0.0622
Silver	mg/kg	6	6	100%	0.142	0.433	0.199	0.249	0.121
Sodium	mg/kg	6	6	100%	2060	3500	3060	2970	487
Titanium	mg/kg	6	6	100%	8.55	16.4	12.0	12.2	3.30
Vanadium	mg/kg	6	6	100%	0.865	4.29	2.18	2.37	1.41
Zinc	mg/kg	6	6	100%	22.4	140	41.0	52.7	44.1
Butyltins									
Dibutyltin	ug/kg	6	2	33%	1.4	2	1.70	1.70	0.424
Tributyltin	ug/kg	6	6	100%	5.9	14	9.15	9.98	3.35
PCB Congeners									
PCB-1	ng/kg	6	6	100%	35.9	154	51.3	78.7	53.8
PCB-2	ng/kg	6	4	67%	5.3	14.8	8.48	9.26	4.12
PCB-3	ng/kg	6	6	100%	6.77	71.5	19.7	25.2	23.4
PCB-4	ng/kg	6	6	100%	159	3810	317	883	1440
PCB-5	ng/kg	6	5	83%	1.11	5.4	5.38	4.06	1.94
PCB-6	ng/kg	6	6	100%	45.7	2180	107	445	852
PCB-7	ng/kg	6	5	83%	3.09	29.1	16.8	15.6	9.49
PCB-8	ng/kg	6	6	100%	99	1320	345	445	449
PCB-9	ng/kg	6	6	100%	5.31	49.7	18.8	22.0	16.1
PCB-10	ng/kg	6	6	100%	11.8	79.6	23.4	30.7	24.5
PCB-11	ng/kg	6	6	100%	281	640	544	487	155
PCB-12/13	ng/kg	6	6	100%	40.3	812	106	208	298
PCB-15	ng/kg	6	6	100%	206	1680	464	593	548
PCB-16	ng/kg	6	6	100%	221	1040	662	589	314
PCB-17	ng/kg	6	6	100%	337	3360	941	1180	1110
PCB-18/30	ng/kg	6	6	100%	562	4970	1610	1850	1610
PCB-19	ng/kg	6	6	100%	113	2090	274	530	768

Table 3-20
Statistical Summary of Detected Analytes in the South Zone - Softshell Clam

	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-20/28	ng/kg	6	6	100%	1970	19800	5090	6720	6660
PCB-21/33	ng/kg	6	6	100%	329	2110	1220	1100	684
PCB-22	ng/kg	6	6	100%	464	4030	1300	1510	1320
PCB-23	ng/kg	6	5	83%	0.776	3.87	2.72	2.62	1.16
PCB-24	ng/kg	6	2	33%	7.52	18.1	12.8	12.8	7.48
PCB-25	ng/kg	6	6	100%	199	4800	469	1130	1810
PCB-26/29	ng/kg	6	6	100%	351	6750	873	1730	2480
PCB-27	ng/kg	6	6	100%	128	1790	262	482	645
PCB-31	ng/kg	6	6	100%	1230	10800	3590	4150	3490
PCB-32	ng/kg	6	6	100%	350	4560	842	1320	1610
PCB-34	ng/kg	6	6	100%	8.8	147	24.0	41.4	52.8
PCB-35	ng/kg	6	6	100%	38	272	105	112	85.3
PCB-36	ng/kg	6	4	67%	7.07	15.3	9.80	10.5	3.55
PCB-37	ng/kg	6	6	100%	386	3480	957	1230	1160
PCB-38	ng/kg	6	6	100%	1.36	26.5	3.65	7.46	9.48
PCB-39	ng/kg	6	6	100%	11	108	34.8	41.3	34.8
PCB-40/71	ng/kg	6	6	100%	885	9790	2590	3430	3280
PCB-41	ng/kg	6	6	100%	82.4	981	343	372	325
PCB-42	ng/kg	6	6	100%	630	6240	1810	2330	2060
PCB-43	ng/kg	6	6	100%	83	784	240	305	258
PCB-44/47/65	ng/kg	6	6	100%	2250	21000	6020	7730	6950
PCB-45	ng/kg	6	6	100%	214	2080	590	746	691
PCB-46	ng/kg	6	6	100%	94.2	918	256	326	305
PCB-48	ng/kg	6	6	100%	295	2620	1040	1150	848
PCB-49/69	ng/kg	6	6	100%	1380	14300	3900	5240	4770
PCB-50/53	ng/kg	6	6	100%	337	3380	752	1110	1150
PCB-51	ng/kg	6	6	100%	204	1190	308	457	380
PCB-52	ng/kg	6	6	100%	2610	22400	7080	8590	7260
PCB-54	ng/kg	6	6	100%	19	104	28.9	41.0	32.2
PCB-55	ng/kg	6	6	100%	10.7	241	39.5	70.6	86.4
PCB-56	ng/kg	6	6	100%	910	15300	3020	4670	5380
PCB-57	ng/kg	6	5	83%	17.1	126	52.4	63.3	39.9
PCB-58	ng/kg	6	6	100%	10.4	122	31.5	45.2	41.2
PCB-60	ng/kg	6	6	100%	329	6600	1180	1900	2360
PCB-61/70/74/76	ng/kg	6	6	100%	2790	41300	9520	13700	14200
PCB-62/75	ng/kg	6	6	100%	232	2510	622	867	842
PCB-63	ng/kg	6	6	100%	69.6	1110	231	358	387
PCB-64	ng/kg	6	6	100%	862	11000	2620	3650	3760
PCB-66	ng/kg	6	6	100%	1960	37300	6130	10700	13400
PCB-67	ng/kg	6	6	100%	57.4	949	180	289	336
PCB-68	ng/kg	6	6	100%	27.2	191	54.2	74.0	62.0
PCB-72	ng/kg	6	6	100%	43.8	327	97.0	128	106
PCB-73	ng/kg	6	5	83%	7.22	48.1	20.4	24.6	15.4
PCB-77	ng/kg	3	3	100%	227	831	473	510	304
PCB-78	ng/kg	6	2	33%	1.87	2.67	2.27	2.27	0.566
PCB-79	ng/kg	6	6	100%	26.1	184	62.8	73.0	57.7
PCB-80	ng/kg	6	1	17%	2.61	2.61	NA	NA	NA
PCB-81	ng/kg	6	6	100%	4.07	119	19.7	34.5	43.0
PCB-82	ng/kg	6	6	100%	241	2790	812	994	930
PCB-83	ng/kg	6	6	100%	176	1100	414	470	337
PCB-84	ng/kg	6	6	100%	397	3110	1090	1240	988
PCB-85/116/117	ng/kg	6	6	100%	420	4360	1270	1580	1450
PCB-86/87/97/109/119/125	ng/kg	6	6	100%	1260	9480	3320	3830	3030
PCB-89	ng/kg	6	6	100%	22.7	321	78.0	106	110
PCB-90/101/113	ng/kg	6	6	100%	2250	10700	5040	5350	3150
PCB-91	ng/kg	6	6	100%	369	2690	831	1060	860
PCB-92	ng/kg	6	6	100%	624	3110	1330	1480	926
PCB-93/100	ng/kg	6	6	100%	84.9	311	134	165	86.6
PCB-94	ng/kg	6	6	100%	29.6	161	53.7	68.1	49.7
PCB-95	ng/kg	6	6	100%	1610	10100	4100	4520	3090
PCB-96	ng/kg	6	6	100%	16.3	148	43.7	55.3	48.0
PCB-98/102	ng/kg	6	6	100%	95.8	874	224	312	289
PCB-99	ng/kg	6	6	100%	1260	7980	2920	3460	2500
PCB-103	ng/kg	6	6	100%	37.8	143	62.1	75.2	40.3
PCB-104	ng/kg	6	6	100%	6.15	17.9	11.1	11.3	4.59
PCB-105	ng/kg	6	6	100%	812	7710	2280	2800	2550

Table 3-20
Statistical Summary of Detected Analytes in the South Zone - Softshell Clam

	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-107	ng/kg	6	6	100%	170	1450	493	578	469
PCB-108/124	ng/kg	6	6	100%	101	836	303	342	270
PCB-110/115	ng/kg	6	6	100%	2580	16300	6650	7100	5010
PCB-111	ng/kg	6	5	83%	3.2	10.6	7.15	6.99	2.82
PCB-112	ng/kg	6	1	17%	6.6	6.6	NA	NA	NA
PCB-114	ng/kg	6	6	100%	55.7	610	168	214	205
PCB-118	ng/kg	6	6	100%	2000	16600	5730	6560	5330
PCB-120	ng/kg	6	6	100%	11.6	46.4	23.3	25.7	12.8
PCB-121	ng/kg	6	5	83%	2.03	4.76	3.57	3.52	1.25
PCB-122	ng/kg	6	6	100%	41	464	113	154	158
PCB-123	ng/kg	6	6	100%	45.8	599	155	206	203
PCB-126	ng/kg	6	6	100%	5.77	57.5	16.6	21.2	18.5
PCB-127	ng/kg	3	1	33%	6.57	6.57	NA	NA	NA
PCB-128/166	ng/kg	6	6	100%	296	1260	721	717	336
PCB-129/138/163	ng/kg	6	6	100%	1840	7160	4850	4640	1770
PCB-130	ng/kg	6	6	100%	185	736	449	435	190
PCB-131	ng/kg	6	5	83%	20.6	115	67.1	63.8	37.5
PCB-132	ng/kg	6	6	100%	524	2250	1480	1440	600
PCB-133	ng/kg	6	6	100%	66.4	191	143	142	49.3
PCB-134	ng/kg	6	6	100%	131	566	364	341	153
PCB-135/151	ng/kg	6	6	100%	904	2430	2140	1910	558
PCB-136	ng/kg	6	6	100%	214	591	506	463	143
PCB-137	ng/kg	6	6	100%	131	637	311	326	176
PCB-139/140	ng/kg	6	6	100%	37.4	172	108	101	47.5
PCB-141	ng/kg	6	5	83%	415	775	533	554	136
PCB-142	ng/kg	6	1	17%	3.22	3.22	NA	NA	NA
PCB-143	ng/kg	6	1	17%	9.98	9.98	NA	NA	NA
PCB-144	ng/kg	6	6	100%	81	266	212	192	67.6
PCB-145	ng/kg	6	4	67%	2.24	4.82	2.52	3.03	1.20
PCB-146	ng/kg	6	6	100%	452	1440	1070	1030	336
PCB-147/149	ng/kg	6	6	100%	1490	5360	4170	3880	1330
PCB-148	ng/kg	6	6	100%	11.9	26.1	22.2	21.1	5.19
PCB-150	ng/kg	6	6	100%	9.53	20.6	17.9	17.0	4.01
PCB-152	ng/kg	6	6	100%	3.53	10.9	6.75	6.92	2.46
PCB-153/168	ng/kg	6	5	83%	4060	5930	4540	4760	717
PCB-154	ng/kg	6	6	100%	48.3	130	110	101	29.0
PCB-155	ng/kg	6	6	100%	20.7	69	30.7	37.6	19.7
PCB-156/157	ng/kg	6	6	100%	176	888	494	483	246
PCB-158	ng/kg	6	6	100%	164	761	464	456	202
PCB-162	ng/kg	6	5	83%	43.8	70	60.6	57.3	10.4
PCB-164	ng/kg	6	6	100%	163	605	403	388	147
PCB-165	ng/kg	6	5	83%	3.17	7.8	6.54	5.74	2.04
PCB-167	ng/kg	6	6	100%	76.8	331	205	198	86.0
PCB-170	ng/kg	6	5	83%	472	636	542	539	63.3
PCB-171/173	ng/kg	4	4	100%	266	405	354	345	58.0
PCB-172	ng/kg	6	5	83%	95.7	137	113	115	18.6
PCB-174	ng/kg	6	6	100%	191	952	639	613	264
PCB-175	ng/kg	6	6	100%	28.3	84.9	77.0	68.3	21.1
PCB-176	ng/kg	6	6	100%	57.4	175	151	139	42.9
PCB-177	ng/kg	5	5	100%	379	1180	1010	894	337
PCB-178	ng/kg	6	6	100%	237	585	540	481	135
PCB-179	ng/kg	6	6	100%	240	696	581	553	168
PCB-180/193	ng/kg	6	5	83%	1590	2340	1960	1980	275
PCB-181	ng/kg	5	5	100%	3.48	15.1	9.08	9.69	4.47
PCB-182	ng/kg	6	6	100%	4.01	9.83	7.64	7.50	2.32
PCB-183/185	ng/kg	6	6	100%	303	1090	851	801	275
PCB-184	ng/kg	6	6	100%	2.29	4.77	4.39	3.92	1.02
PCB-187	ng/kg	5	5	100%	920	2460	2250	1960	656
PCB-188	ng/kg	6	6	100%	5.28	14.6	11.0	10.2	3.32
PCB-189	ng/kg	6	6	100%	7.25	28	21.5	20.5	7.07
PCB-190	ng/kg	6	5	83%	92	158	113	119	28.0
PCB-191	ng/kg	6	6	100%	16.8	58	49.4	44.4	15.4
PCB-194	ng/kg	6	5	83%	69.1	151	137	124	32.4
PCB-195	ng/kg	6	6	100%	19.8	81.6	69.3	61.6	23.1
PCB-196	ng/kg	6	6	100%	88.9	221	195	180	46.5
PCB-197/200	ng/kg	5	5	100%	37.1	63.5	56.6	53.6	9.87

Table 3-20
Statistical Summary of Detected Analytes in the South Zone - Softshell Clam

	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-198/199	ng/kg	6	6	100%	261	622	558	504	142
PCB-201	ng/kg	6	6	100%	59.8	124	115	107	23.9
PCB-202	ng/kg	6	6	100%	161	406	268	279	82.1
PCB-203	ng/kg	6	6	100%	83.7	201	183	166	42.7
PCB-205	ng/kg	6	6	100%	4.05	13.6	11.6	10.7	3.58
PCB-206	ng/kg	6	6	100%	34.8	125	95.2	92.3	32.5
PCB-207	ng/kg	6	6	100%	3.6	14.4	10.0	9.82	4.21
PCB-208	ng/kg	6	6	100%	13	49	33.4	33.1	12.2
PCB-209	ng/kg	6	1	17%	105	105	NA	NA	NA
Total PCB Congeners (209)	ng/kg	6	6	100%	55300	431000	143000	170000	137000
Aroclor PCBs									
Aroclor-1248	ug/kg	6	6	100%	24	210	49.5	70.7	69.6
Aroclor-1254	ug/kg	6	4	67%	27	110	42.0	55.3	37.3
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	6	6	100%	31	320	71.5	108	108
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	6	6	100%	31	320	71.5	108	108
Pesticides									
2,4'-DDD	pg/g	6	6	100%	1250	5840	4100	4030	1700
2,4'-DDE	pg/g	6	6	100%	2550	9910	5740	5630	2830
2,4'-DDT	pg/g	6	5	83%	29	124	49.8	68.3	43.0
4,4'-DDD	pg/g	6	6	100%	3070	12600	9180	9020	3290
4,4'-DDE	pg/g	6	6	100%	7860	31600	15600	16700	8400
4,4'-DDT	pg/g	6	6	100%	202	4160	352	975	1570
Aldrin	pg/g	6	3	50%	9.07	72.7	38.1	40.0	31.9
Alpha-BHC	pg/g	6	4	67%	7.03	13.8	12.1	11.3	3.09
Alpha-Chlordane	pg/g	6	6	100%	789	2140	1120	1220	491
Beta-BHC	pg/g	6	1	17%	20	20	NA	NA	NA
cis-Nonachlor	pg/g	6	6	100%	249	731	415	430	175
Dieldrin	pg/g	6	6	100%	417	897	600	646	211
Endrin	pg/g	6	1	17%	4.3	4.3	NA	NA	NA
Gamma-BHC (Lindane)	pg/g	6	1	17%	9.01	9.01	NA	NA	NA
Heptachlor Epoxide	pg/g	6	6	100%	62.3	127	77.2	81.5	23.5
Hexachlorobenzene	pg/g	6	6	100%	193	606	258	309	153
Mirex	pg/g	5	3	60%	24.9	51.1	26.4	34.1	14.7
Nonachlor, trans-	pg/g	6	6	100%	407	1190	654	704	283
Oxychlordane	pg/g	6	4	67%	40.3	84.5	49.5	55.9	19.7
trans-Chlordane	pg/g	6	6	100%	565	1440	930	922	316
trans-Heptachlor Epoxide	pg/g	6	1	17%	133	133	NA	NA	NA
Total Alpha + Gamma Chlordane	ppb	6	6	100%	1.4	3.6	2.05	2.17	0.797
Total DDT (2,4)	ppb	6	6	100%	3.9	13	9.85	9.68	3.37
Total DDT (4,4)	ppb	6	6	100%	15	41	25.0	26.7	8.73
Total DDT (2,4 & 4,4)	ppb	6	6	100%	19	54	35.0	36.5	11.8
Semivolatiles									
1-Methylnaphthalene	ug/kg	6	3	50%	2.9	3.2	3.10	3.07	0.153
2-Methylnaphthalene	ug/kg	6	4	67%	3.7	6.1	4.70	4.80	1.18
2-Methylphenol	ug/kg	6	2	33%	110	240	175	175	91.9
Acenaphthene	ug/kg	6	4	67%	4.3	7.3	5.80	5.80	1.62
Acenaphthylene	ug/kg	6	4	67%	2.9	8.4	4.90	5.28	2.72
Acetophenone	ug/kg	6	5	83%	75	180	96.0	113	40.7
Anthracene	ug/kg	6	6	100%	3.7	73	10.1	20.2	26.3
Benzaldehyde	ug/kg	6	6	100%	580	2000	1130	1200	490
Benzo(a)anthracene	ug/kg	6	6	100%	17	57	34.5	34.7	16.1
Benzo(a)pyrene	ug/kg	6	6	100%	11	48	29.0	29.7	16.3
Benzo(b)fluoranthene	ug/kg	6	6	100%	15	62	36.0	36.3	17.3
Benzo(e)pyrene	ug/kg	6	6	100%	23	57	45.5	42.3	12.5
Benzo(g,h,i)perylene	ug/kg	6	6	100%	15	47	33.5	31.8	12.8
Benzo(j,k)fluoranthene	ug/kg	6	6	100%	16	46	33.5	31.3	12.5
Benzoic Acid	ug/kg	6	5	83%	760	3000	2200	2030	910
C1-Chrysenes	ug/kg	6	6	100%	34	93	47.5	52.0	20.9
C1-Fluoranthenes/Pyrenes	ug/kg	6	6	100%	68	140	83.0	91.3	25.7
C1-Naphthalenes	ug/kg	6	6	100%	2.6	7.5	6.15	5.60	1.97
C1-Phenanthrenes/Anthracenes	ug/kg	6	4	67%	8.1	33	31.0	25.8	11.8
C2-Chrysenes	ug/kg	6	4	67%	29	82	46.5	51.0	23.1
C2-Fluoranthenes/Pyrenes	ug/kg	6	6	100%	48	110	54.5	64.3	23.4
C2-Naphthalenes	ug/kg	6	4	67%	6.4	12	8.60	8.90	2.31
C2-Phenanthrene/anthracenes	ug/kg	6	4	67%	22	58	41.5	40.8	14.7

Table 3-20
Statistical Summary of Detected Analytes in the South Zone - Softshell Clam

	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C3-Chrysenes	ug/kg	6	4	67%	19	40	24.0	26.8	9.46
C3-Fluoranthenes/Pyrenes	ug/kg	6	6	100%	42	90	49.5	55.5	17.6
C3-Naphthalene	ug/kg	6	3	50%	12	17	12.0	13.7	2.89
C3-Phenanthrene/anthracenes	ug/kg	6	3	50%	45	110	50.0	68.3	36.2
C4-Naphthalene	ug/kg	6	3	50%	16	19	17.0	17.3	1.53
C4-Phenanthrenes/anthracenes	ug/kg	6	1	17%	4.6	4.6	NA	NA	NA
Chrysene	ug/kg	6	6	100%	25	61	46.0	43.0	13.7
Dibenzo(a,h)anthracene	ug/kg	6	5	83%	2.7	9.7	6.60	6.76	2.91
Fluoranthene	ug/kg	6	6	100%	34	100	61.5	64.8	30.4
Fluorene	ug/kg	6	4	67%	2.6	11	4.60	5.70	3.70
Indeno(1,2,3-cd)pyrene	ug/kg	6	6	100%	8.3	46	24.5	25.7	16.0
Naphthalene	ug/kg	6	5	83%	2.6	9.1	3.80	5.34	2.77
Perylene	ug/kg	6	6	100%	5.4	16	10.5	10.6	4.37
Phenanthrene	ug/kg	6	6	100%	4.2	58	22.0	26.8	23.7
Phenol	ug/kg	6	1	17%	75	75	NA	NA	NA
Pyrene	ug/kg	6	6	100%	46	120	82.0	81.5	31.5
Total HMW PAHs	ppb	6	6	100%	190	580	390	385	166
Total LMW PAHs	ppb	6	6	100%	13	170	56.0	65.7	60.0
TOTAL PAHs	ppb	6	6	100%	200	720	445	450	217
Physical Properties[2]									
Percent Moisture	%	6	6	100%	78.8	82.2	81.1	80.8	1.22
Water Content ASTM D2216	%	6	6	100%	372	462	430	422	32.3

Footnotes:

[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.

[2] "Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-21
List of Constituents Not Detected in Sediment Samples

Analyte
TEPH Alkanes
n-Decane
n-Undecane
Butyltins
Monobutyltin
PCB Congeners
PCB-106
PCB-121
PCB-160
PCB-161
PCB-169
PCB-186
PCB-192
PCB-204
Aroclor PCBs
Aroclor-1016
Aroclor-1221
Aroclor-1232
Aroclor-1242
Aroclor-1262
Aroclor-1268
Pesticides
Endosulfan I
Endosulfan Sulfate
Endrin
Endrin Aldehyde
Endrin Ketone
Methoxychlor
Semivolatiles
1,2,4,5-Tetrachlorobenzene
1,2-Diphenylhydrazine
2,2'-oxybis(1-Chloropropane)
2,3,4,6-Tetrachlorophenol
2,4,5-Trichlorophenol
2,4,6-Trichlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2,4-Dinitrophenol
2,4-Dinitrotoluene
2,6-Dinitrotoluene
2-Chloronaphthalene
2-Chlorophenol
2-Methylphenol
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether

Table 3-21
List of Constituents Not Detected in Sediment Samples

Analyte
4-Chloro-3-Methylphenol
4-Chlorophenyl phenyl ether
4-Nitroaniline
4-Nitrophenol
Atrazine
Benzidine
bis(2-Chloroethoxy)methane
bis(2-Chloroethyl)ether
Caprolactam
Diethyl phthalate
Dimethylphthalate
Di-n-Butylphthalate
Di-n-Octylphthalate
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane
Isophorone
Nitrobenzene
N-Nitroso-di-n-propylamine
N-Nitrosodiphenylamine
Pentachlorophenol
Pyridine
Volatiles
1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene

Notes:
PCB = polychlorinated biphenyl
TEPH = total extractable petroleum hydrocarbons

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	18	18	100%	8.68	1170	53.3	150	273
1,2,3,4,6,7,8-HpCDF	ng/kg	18	18	100%	7.1	823	77.8	154	206
1,2,3,4,7,8,9-HpCDF	ng/kg	18	17	94%	0.618	30.7	3.29	5.59	7.14
1,2,3,4,7,8-HxCDD	ng/kg	18	17	94%	0.299	12.4	1.17	2.08	2.90
1,2,3,4,7,8-HxCDF	ng/kg	14	14	100%	1.84	93.3	17.7	27.3	27.8
1,2,3,6,7,8-HxCDD	ng/kg	18	18	100%	0.572	49.8	3.29	7.93	11.8
1,2,3,6,7,8-HxCDF	ng/kg	18	18	100%	0.767	49.7	6.91	9.03	11.2
1,2,3,7,8,9-HxCDD	ng/kg	18	18	100%	0.373	27.4	2.17	4.37	6.37
1,2,3,7,8,9-HxCDF	ng/kg	18	9	50%	0.171	3.2	1.17	1.43	1.04
1,2,3,7,8-PeCDD	ng/kg	18	18	100%	0.166	13.8	1.01	2.25	3.19
1,2,3,7,8-PeCDF	ng/kg	18	18	100%	0.481	36.5	2.93	5.27	8.14
2,3,4,6,7,8-HxCDF	ng/kg	17	17	100%	0.514	38.3	4.06	5.93	8.85
2,3,4,7,8-PeCDF	ng/kg	18	18	100%	0.718	49	5.89	8.52	10.9
2,3,7,8-TCDD	ng/kg	18	18	100%	2.18	271	12.6	38.8	65.9
2,3,7,8-TCDF	ng/kg	18	18	100%	0.589	50.3	4.32	7.80	11.4
OCDD	ng/kg	16	16	100%	76	2230	624	773	616
OCDF	ng/kg	18	18	100%	9.7	732	124	190	196
Herbicides									
2,4,5-T	ug/kg	18	1	6%	3.4	3.4	NA	NA	NA
2,4,5-TP (Silvex)	ug/kg	18	1	6%	2.5	2.5	NA	NA	NA
2,4-D	ug/kg	18	3	17%	23	45	25.0	31.0	12.2
2,4-DB	ug/kg	18	3	17%	44	49	47.0	46.7	2.52
Metals									
Aluminum	mg/kg	18	18	100%	2610	16300	7560	7860	3350
Antimony	mg/kg	18	17	94%	0.171	7.79	0.293	1.12	2.13
Arsenic	mg/kg	18	18	100%	1.18	115	8.60	17.8	28.4
Barium	mg/kg	18	18	100%	14.4	663	89.6	138	154
Beryllium	mg/kg	18	18	100%	0.161	3.12	0.457	0.610	0.662
Cadmium	mg/kg	18	18	100%	0.0858	13.7	0.581	1.52	3.12
Calcium	mg/kg	18	18	100%	905	50900	3290	6820	11500
Chromium	mg/kg	18	18	100%	9.1	276	53.5	75.7	66.6
Cobalt	mg/kg	18	18	100%	1.96	37.4	6.27	8.26	8.44
Copper	mg/kg	18	18	100%	9.14	443	74.6	114	126
Hexavalent Chromium	mg/kg	12	2	17%	1.1	8	4.55	4.55	4.88
Iron	mg/kg	18	18	100%	5130	148000	15600	26400	34900
Lead	mg/kg	18	18	100%	10.6	2190	80.2	258	547
Magnesium	mg/kg	18	18	100%	1400	27800	3670	5440	5920
Manganese	mg/kg	18	18	100%	42.5	579	186	218	146
Mercury	ng/g	18	18	100%	54.6	7390	727	1330	1750
Methyl Mercury	ng/g	18	18	100%	0.065	11.9	0.409	1.12	2.72
Nickel	mg/kg	18	18	100%	5.89	124	20.3	31.6	32.1
Potassium	mg/kg	18	18	100%	670	3310	1610	1750	603
Selenium	mg/kg	18	17	94%	0.141	3	0.520	0.737	0.805
Silver	mg/kg	18	18	100%	0.0759	5.8	0.608	0.984	1.31
Sodium	mg/kg	18	18	100%	2250	13700	3200	4130	2870
Thallium	mg/kg	18	17	94%	0.0541	0.302	0.140	0.146	0.0611
Titanium	mg/kg	18	18	100%	133	448	278	287	82.5
Vanadium	mg/kg	18	18	100%	8.3	142	21.3	30.6	31.6
Zinc	mg/kg	18	18	100%	35.2	6810	189	658	1630
TEPH Alkanes									
2,6,10,14-Tetramethyl Pentadecane	mg/kg	18	4	22%	0.0685	1.18	0.197	0.411	0.519

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
2,6,10,14-Tetramethylhexadecane	mg/kg	18	10	56%	0.0353	0.677	0.0897	0.148	0.195
Dotriacontane	mg/kg	18	16	89%	0.102	1.37	0.278	0.457	0.383
Heneicosane	mg/kg	18	10	56%	0.0205	0.378	0.117	0.154	0.136
Heptacosane	mg/kg	18	3	17%	0.0926	0.151	0.122	0.122	0.0292
Heptadecane	mg/kg	17	11	65%	0.0496	0.642	0.104	0.216	0.215
Heptatriacontane, -n	mg/kg	18	6	33%	0.0295	0.258	0.0724	0.101	0.0836
Hexatriacontane	mg/kg	18	3	17%	0.019	0.947	0.143	0.370	0.504
Hhentriacontane	mg/kg	18	13	72%	0.0655	2.74	0.426	0.686	0.772
n-Docosane	mg/kg	18	10	56%	0.113	1.08	0.396	0.489	0.299
n-Dodecane	mg/kg	18	4	22%	0.0209	0.0982	0.0423	0.0509	0.0332
n-Eicosane	mg/kg	18	5	28%	0.0303	0.275	0.0655	0.132	0.119
n-Hexacosane	mg/kg	18	2	11%	0.0276	1.12	0.574	0.574	0.772
n-Hexadecane	mg/kg	18	8	44%	0.0252	0.442	0.170	0.207	0.182
n-Nonane	mg/kg	18	1	6%	0.0187	0.0187	NA	NA	NA
n-Octacosane	mg/kg	18	16	89%	0.101	4.25	0.759	1.26	1.30
n-Octadecane	mg/kg	18	7	39%	0.0208	0.293	0.0552	0.0945	0.0940
Nonacosane	mg/kg	18	17	94%	0.0379	2.25	0.435	0.452	0.524
Nonadecane	mg/kg	18	8	44%	0.084	0.723	0.294	0.325	0.231
Nonatriacontane	mg/kg	18	8	44%	0.0267	0.382	0.117	0.145	0.122
n-Tetracosane	mg/kg	18	7	39%	0.0315	0.296	0.101	0.123	0.0868
n-Tetradecane	mg/kg	18	1	6%	0.0186	0.0186	NA	NA	NA
n-Triacontane	mg/kg	18	7	39%	0.0682	2.44	0.301	0.581	0.844
n-Tridecane	mg/kg	18	3	17%	0.0188	0.312	0.0479	0.126	0.162
Octatriacontane	mg/kg	18	4	22%	0.0255	0.0953	0.0479	0.0542	0.0294
Pentacosane	mg/kg	18	9	50%	0.026	0.0916	0.0472	0.0482	0.0199
Pentadecane	mg/kg	18	9	50%	0.0145	0.708	0.151	0.207	0.225
Pentatriacontane	mg/kg	18	10	56%	0.0176	0.255	0.0642	0.0982	0.0745
Tetracontane	mg/kg	18	14	78%	0.0183	0.403	0.0871	0.142	0.128
Tetratriacontane	mg/kg	18	6	33%	0.0353	0.166	0.0865	0.0937	0.0588
Tricosane	mg/kg	18	11	61%	0.04165	1.06	0.330	0.397	0.295
Tritriacontane	mg/kg	17	2	12%	0.0863	1.04	0.563	0.563	0.674
Butyltins									
Dibutyltin	ug/kg	18	7	39%	3.4	7.1	5.00	5.04	1.17
Tetrabutyltin	ug/kg	18	1	6%	2.6	2.6	NA	NA	NA
Tributyltin	ug/kg	18	5	28%	2.6	5.8	3.20	3.60	1.29
PCB Congeners									
PCB-1	ng/kg	18	18	100%	10.5	936	104	196	264
PCB-2	ng/kg	18	17	94%	6.14	212	30.8	57.6	60.5
PCB-3	ng/kg	18	18	100%	6.88	783	67.8	147	213
PCB-4	ng/kg	18	18	100%	28.1	17500	307	2010	4350
PCB-5	ng/kg	18	8	44%	3.53	171	30.0	71.4	75.2
PCB-6	ng/kg	18	18	100%	11.9	16900	99.0	1460	4090
PCB-7	ng/kg	18	4	22%	17.8	550	452	368	238
PCB-8	ng/kg	18	18	100%	54.6	15500	505	2780	5090
PCB-9	ng/kg	18	13	72%	10.1	768	31.1	180	273
PCB-10	ng/kg	18	14	78%	2.44	558	27.8	116	181
PCB-11	ng/kg	18	18	100%	38.9	11000	309	1270	2570
PCB-12/13	ng/kg	18	18	100%	12.3	7580	108	816	1840
PCB-14	ng/kg	18	1	6%	1.74	1.74	NA	NA	NA
PCB-15	ng/kg	18	18	100%	65.6	28300	596	3400	7020
PCB-16	ng/kg	18	18	100%	37.1	17600	302	2610	4890
PCB-17	ng/kg	18	18	100%	45.8	24600	428	3630	7000

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-18/30	ng/kg	18	18	100%	80.3	40500	688	6590	12500
PCB-19	ng/kg	18	18	100%	11.7	14300	131	1430	3450
PCB-20/28	ng/kg	18	18	100%	207	204000	2330	20400	49000
PCB-21/33	ng/kg	18	18	100%	54.4	23100	509	3930	7120
PCB-22	ng/kg	18	18	100%	53.5	48200	527	5530	12100
PCB-23	ng/kg	18	6	33%	2.82	50.9	19.6	23.1	19.0
PCB-24	ng/kg	18	12	67%	1.25	580	16.8	136	214
PCB-25	ng/kg	18	18	100%	19.9	31500	220	2660	7440
PCB-26/29	ng/kg	18	18	100%	33.1	40100	363	3680	9540
PCB-27	ng/kg	18	18	100%	9.56	10900	105	1060	2610
PCB-31	ng/kg	18	18	100%	154	79500	1630	11300	22100
PCB-32	ng/kg	18	18	100%	35.6	28100	343	3350	7190
PCB-34	ng/kg	18	12	67%	0.863	817	16.0	122	235
PCB-35	ng/kg	18	18	100%	4.95	3050	55.4	377	782
PCB-36	ng/kg	18	5	28%	1.42	32.3	14.1	14.3	13.0
PCB-37	ng/kg	18	18	100%	57.7	55200	716	5570	13300
PCB-38	ng/kg	18	4	22%	1.71	79.7	15.6	28.2	35.1
PCB-39	ng/kg	18	15	83%	0.991	772	15.2	104	204
PCB-40/71	ng/kg	18	18	100%	83.6	69200	944	7650	16900
PCB-41	ng/kg	18	15	83%	8.6	7430	157	1300	2250
PCB-42	ng/kg	18	18	100%	59.5	47400	677	5300	11600
PCB-43	ng/kg	18	17	94%	7.48	5190	61.5	678	1360
PCB-44/47/65	ng/kg	18	18	100%	188	155000	2210	16700	37600
PCB-45	ng/kg	18	18	100%	20	19600	231	2200	4810
PCB-46	ng/kg	18	18	100%	9.12	7400	102	897	1850
PCB-48	ng/kg	18	18	100%	29.9	20200	324	2700	5360
PCB-49/69	ng/kg	18	18	100%	129	115000	1500	11900	27700
PCB-50/53	ng/kg	18	18	100%	27.1	22100	293	2420	5360
PCB-51	ng/kg	18	18	100%	21.2	5350	119	678	1330
PCB-52	ng/kg	18	18	100%	174	145000	2170	16900	36200
PCB-54	ng/kg	18	13	72%	2.63	581	26.3	82.7	156
PCB-55	ng/kg	18	14	78%	1.79	2210	33.4	299	600
PCB-56	ng/kg	18	18	100%	77.9	112000	1080	10600	26600
PCB-57	ng/kg	18	11	61%	1.41	889	16.8	144	264
PCB-58	ng/kg	18	9	50%	2.7	419	12.3	76.7	135
PCB-60	ng/kg	18	18	100%	32.2	46900	451	4730	11300
PCB-61/70/74/76	ng/kg	18	18	100%	254	290000	3450	30500	70400
PCB-62/75	ng/kg	18	18	100%	16.2	15300	202	1590	3690
PCB-63	ng/kg	18	18	100%	6.36	6840	84.2	702	1650
PCB-64	ng/kg	18	18	100%	78.5	82800	882	8600	20000
PCB-66	ng/kg	18	18	100%	156	226000	2210	20500	53400
PCB-67	ng/kg	18	18	100%	5.22	5970	72.9	585	1430
PCB-68	ng/kg	18	15	83%	1.59	817	18.6	97.7	209
PCB-72	ng/kg	18	15	83%	1.86	1370	25.2	160	351
PCB-73	ng/kg	18	4	22%	1.9	320	43.4	102	150
PCB-77	ng/kg	18	18	100%	18.2	26800	282	2450	6310
PCB-78	ng/kg	18	2	11%	2.16	34.4	18.3	18.3	22.8
PCB-79	ng/kg	18	15	83%	1.26	920	23.7	153	273
PCB-80	ng/kg	18	3	17%	13	313	29.6	119	169
PCB-81	ng/kg	18	9	50%	3.35	1020	26.6	170	326
PCB-82	ng/kg	18	18	100%	19.5	20200	323	2640	5510
PCB-83	ng/kg	18	18	100%	6.68	5230	124	821	1610

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-84	ng/kg	18	18	100%	38.4	27600	622	4400	8490
PCB-85/116/117	ng/kg	18	18	100%	29.6	28100	485	3580	7490
PCB-86/87/97/109/119/125	ng/kg	18	18	100%	101	73600	1580	11400	22300
PCB-88	ng/kg	18	3	17%	3	45	4.58	17.5	23.8
PCB-89	ng/kg	18	15	83%	2.38	2350	36.9	337	641
PCB-90/101/113	ng/kg	18	18	100%	155	74100	2350	12700	23500
PCB-91	ng/kg	18	18	100%	27.2	18400	397	2540	4980
PCB-92	ng/kg	18	17	94%	27.6	13400	395	2390	4300
PCB-93/100	ng/kg	18	12	67%	8.75	1370	76.4	259	395
PCB-94	ng/kg	18	15	83%	2.55	859	21.3	124	230
PCB-95	ng/kg	18	18	100%	138	67300	2280	12700	23100
PCB-96	ng/kg	18	15	83%	1.77	1220	19.0	169	327
PCB-98/102	ng/kg	18	15	83%	9.79	6030	118	862	1630
PCB-99	ng/kg	18	18	100%	89.6	55100	1270	7810	15200
PCB-103	ng/kg	18	15	83%	3.05	732	29.2	121	199
PCB-104	ng/kg	18	6	33%	1.78	36.4	2.68	10.8	14.3
PCB-105	ng/kg	18	18	100%	55.4	55000	837	6920	14700
PCB-107	ng/kg	18	18	100%	10.6	8010	154	1080	2180
PCB-108/124	ng/kg	18	16	89%	5.26	4450	89.7	711	1340
PCB-110/115	ng/kg	18	18	100%	190	118000	3210	19500	37400
PCB-111	ng/kg	18	1	6%	2.18	2.18	NA	NA	NA
PCB-112	ng/kg	18	7	39%	1.9	365	11.2	74.6	132
PCB-114	ng/kg	18	15	83%	3.06	3770	48.8	525	1040
PCB-118	ng/kg	18	18	100%	138	107000	2120	14700	29700
PCB-120	ng/kg	18	10	56%	2.24	181	15.3	43.3	57.9
PCB-122	ng/kg	18	15	83%	2.08	2350	32.9	309	634
PCB-123	ng/kg	18	14	78%	2.72	3390	50.1	461	929
PCB-126	ng/kg	18	9	50%	4.66	547	21.2	134	201
PCB-127	ng/kg	18	8	44%	1.89	197	14.5	46.7	66.7
PCB-128/166	ng/kg	18	18	100%	25.4	20500	381	2510	5280
PCB-129/138/163	ng/kg	18	18	100%	220	107000	2810	14700	28500
PCB-130	ng/kg	18	18	100%	10.3	6220	158	877	1700
PCB-131	ng/kg	18	15	83%	1.85	1450	39.7	241	435
PCB-132	ng/kg	18	18	100%	64.3	37600	862	4860	9800
PCB-133	ng/kg	18	16	89%	3.01	979	40.6	176	290
PCB-134	ng/kg	18	18	100%	10.8	5210	146	755	1430
PCB-135/151	ng/kg	18	18	100%	69.6	21700	797	3330	5940
PCB-136	ng/kg	18	18	100%	22	9450	252	1290	2490
PCB-137	ng/kg	18	17	94%	7.37	6250	119	860	1710
PCB-139/140	ng/kg	18	13	72%	3.23	1690	54.4	309	520
PCB-141	ng/kg	18	18	100%	38.4	15600	416	2200	4210
PCB-142	ng/kg	18	1	6%	17.4	17.4	NA	NA	NA
PCB-143	ng/kg	18	5	28%	4.98	212	96.2	94.4	87.1
PCB-144	ng/kg	18	17	94%	8.25	3380	98.6	524	974
PCB-145	ng/kg	18	4	22%	1.79	30.1	21.5	18.7	12.0
PCB-146	ng/kg	18	18	100%	29.1	9780	345	1510	2700
PCB-147/149	ng/kg	18	18	100%	158	57600	1970	8370	15400
PCB-148	ng/kg	18	3	17%	5.77	70.5	40.9	39.1	32.4
PCB-150	ng/kg	18	9	50%	2.115	124	28.6	39.0	41.8
PCB-152	ng/kg	18	6	33%	1.91	60.4	21.9	26.1	26.7
PCB-153/168	ng/kg	18	18	100%	185	63700	2090	9440	17300
PCB-154	ng/kg	18	13	72%	5.19	732	49.0	172	224

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-155	ng/kg	18	13	72%	1.88	108	21.5	28.5	30.5
PCB-156/157	ng/kg	18	18	100%	18.2	11800	263	1670	3340
PCB-158	ng/kg	18	18	100%	19.1	9900	266	1410	2730
PCB-159	ng/kg	18	15	83%	1.83	547	20.8	83.2	150
PCB-162	ng/kg	18	5	28%	3.49	355	28.5	116	149
PCB-164	ng/kg	18	18	100%	13.6	5690	181	835	1550
PCB-165	ng/kg	18	3	17%	1.34	20.9	15.0	12.4	10.0
PCB-167	ng/kg	18	18	100%	6.49	3050	85.1	472	886
PCB-170	ng/kg	18	18	100%	63.5	17500	693	2810	4800
PCB-171/173	ng/kg	18	17	94%	18.9	5000	207	844	1420
PCB-172	ng/kg	18	18	100%	11.1	2770	126	471	776
PCB-174	ng/kg	18	17	94%	62.9	16400	654	2660	4440
PCB-175	ng/kg	18	16	89%	2.67	696	33.9	123	197
PCB-176	ng/kg	18	18	100%	7.43	1960	79.8	299	517
PCB-177	ng/kg	18	17	94%	38	8830	405	1530	2470
PCB-178	ng/kg	18	17	94%	14.6	3130	157	545	860
PCB-179	ng/kg	18	18	100%	25.9	6320	280	974	1650
PCB-180/193	ng/kg	18	18	100%	156	37400	1640	6040	10100
PCB-181	ng/kg	18	7	39%	1.6	193	20.4	66.3	76.4
PCB-182	ng/kg	18	5	28%	1.33	122	5.52	33.2	51.5
PCB-183/185	ng/kg	18	17	94%	46.6	11700	492	1940	3220
PCB-184	ng/kg	18	2	11%	2.19	20.5	11.3	11.3	12.9
PCB-187	ng/kg	18	17	94%	96.9	22300	1090	3740	6050
PCB-188	ng/kg	18	6	33%	1.93	42.5	14.3	17.4	17.4
PCB-189	ng/kg	18	16	89%	2.54	594	25.7	115	181
PCB-190	ng/kg	18	18	100%	13.7	3300	139	555	930
PCB-191	ng/kg	18	16	89%	2.75	600	29.8	116	178
PCB-194	ng/kg	18	18	100%	38.1	8140	348	1280	2140
PCB-195	ng/kg	18	18	100%	14.7	3290	130	497	851
PCB-196	ng/kg	18	18	100%	21.6	4800	203	731	1250
PCB-197/200	ng/kg	18	16	89%	5.89	1440	70.9	243	387
PCB-198/199	ng/kg	18	18	100%	51.2	10700	510	1780	2850
PCB-201	ng/kg	18	17	94%	5.76	1210	56.4	200	317
PCB-202	ng/kg	18	18	100%	11.9	1940	138	375	547
PCB-203	ng/kg	18	18	100%	32.3	6180	331	1080	1720
PCB-205	ng/kg	18	15	83%	1.9	382	18.6	73.6	110
PCB-206	ng/kg	18	18	100%	27.6	4370	357	852	1210
PCB-207	ng/kg	18	17	94%	2.84	360	32.0	81.6	112
PCB-208	ng/kg	18	18	100%	8.71	1480	121	267	371
PCB-209	ng/kg	18	18	100%	14.8	4740	305	764	1320
Total PCB Congeners (209)	ng/kg	18	18	100%	5230	3090000	66400	428000	819000
Aroclor PCBs									
Aroclor-1248	ug/kg	18	16	89%	9.1	1200	24.8	161	300
Aroclor-1254	ug/kg	18	14	78%	11	240	28.0	79.1	88.6
Aroclor-1260	ug/kg	18	9	50%	12	140	40.0	52.4	44.0
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	18	17	94%	20	1200	62.0	244	320
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	18	17	94%	20	1200	62.0	244	320
Pesticides									
2,4'-DDD	pg/g	18	18	100%	175	88700	2520	16700	26600
2,4'-DDE	pg/g	18	18	100%	162	61700	1390	10100	18200
2,4'-DDT	pg/g	18	11	61%	64.3	21700	509	3620	6670
4,4'-DDD	pg/g	18	18	100%	465	176000	6660	36100	54000

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
4,4'-DDE	pg/g	18	18	100%	758	190000	6330	33600	53100
4,4'-DDT	pg/g	18	17	94%	63.6	63800	1250	9290	19000
Aldrin	pg/g	18	1	6%	838	838	NA	NA	NA
Alpha-BHC	pg/g	18	11	61%	8.17	596	39.7	93.0	170
Alpha-Chlordane	pg/g	18	18	100%	209	9290	1530	2520	2470
Beta-BHC	pg/g	18	8	44%	20.7	707	153	198	225
cis-Nonachlor	pg/g	18	15	83%	52.2	2540	518	713	642
Delta-BHC	pg/g	18	1	6%	41.1	41.1	NA	NA	NA
Dieldrin	pg/g	18	16	89%	119	20900	748	3010	6060
Endosulfan II	pg/g	18	2	11%	233	297	265	265	45.3
Gamma-BHC (Lindane)	pg/g	18	3	17%	39.5	217	76.1	111	93.7
Heptachlor	pg/g	18	2	11%	29.5	35.9	32.7	32.7	4.53
Heptachlor Epoxide	pg/g	18	12	67%	14.6	1170	114	258	336
Hexachlorobenzene	pg/g	18	18	100%	42.1	24800	630	2710	5770
Mirex	pg/g	18	1	6%	244	244	NA	NA	NA
Nonachlor, trans-	pg/g	18	15	83%	139	4550	1180	1630	1350
Oxychlordane	pg/g	18	2	11%	36.4	76.6	56.5	56.5	28.4
trans-Chlordane	pg/g	18	18	100%	219	12700	1580	3010	3420
trans-Heptachlor Epoxide	pg/g	18	6	33%	79.5	1080	185	399	410
Total Alpha + Gamma Chlordane	ppb	18	18	100%	0.43	22	3.05	5.51	5.75
Total DDT (2,4)	ppb	18	18	100%	0.34	160	6.15	29.3	48.6
Total DDT (4,4)	ppb	18	18	100%	1.3	400	20.0	77.9	117
Total DDT (2,4 & 4,4)	ppb	18	18	100%	1.6	540	28.0	108	162
Semivolatiles									
1-Methylnaphthalene	ug/kg	18	18	100%	2	280	17.0	60.3	92.1
2-Methylnaphthalene	ug/kg	18	18	100%	2	520	26.5	82.4	133
4-Chloroaniline	ug/kg	18	1	6%	89	89	NA	NA	NA
4-Methylphenol	ug/kg	18	14	78%	31	270	94.0	117	69.8
Acenaphthene	ug/kg	18	18	100%	2	830	22.0	121	218
Acenaphthylene	ug/kg	18	18	100%	2	900	51.5	106	204
Acetophenone	ug/kg	18	5	28%	22	470	59.0	135	188
Anthracene	ug/kg	18	18	100%	8	8100	110	681	1880
Benzaldehyde	ug/kg	18	2	11%	180	210	195	195	21.2
Benzo(a)anthracene	ug/kg	18	18	100%	38	4200	320	848	1150
Benzo(a)pyrene	ug/kg	18	18	100%	47	9100	345	1120	2120
Benzo(b)fluoranthene	ug/kg	18	18	100%	69	8100	300	1100	1940
Benzo(e)pyrene	ug/kg	18	18	100%	12	1900	203	437	502
Benzo(g,h,i)perylene	ug/kg	18	18	100%	41	5300	225	676	1230
Benzo(j,k)fluoranthene	ug/kg	18	18	100%	48	7800	275	904	1800
Benzoic Acid	ug/kg	18	3	17%	270	720	440	477	227
Biphenyl	ug/kg	18	8	44%	25	160	64.0	64.9	42.0
bis(2-Ethylhexyl)phthalate	ug/kg	18	17	94%	98	5700	630	1190	1430
Butyl benzyl phthalate	ug/kg	18	1	6%	140	140	NA	NA	NA
C1-Chrysenes	ug/kg	18	18	100%	21	4200	293	643	971
C1-Fluoranthenes/Pyrenes	ug/kg	18	18	100%	39	7600	490	1090	1770
C1-Fluorenes	ug/kg	18	18	100%	2	380	28.5	78.4	103
C1-Naphthalenes	ug/kg	18	18	100%	2	540	28.5	94.3	148
C1-Phenanthrenes/Anthracenes	ug/kg	18	18	100%	14	2500	225	546	730
C2-Chrysenes	ug/kg	18	18	100%	12	2300	205	341	517
C2-Fluoranthenes/Pyrenes	ug/kg	18	17	94%	59	4000	320	603	928
C2-Fluorenes	ug/kg	18	15	83%	8	380	45.0	94.7	103
C2-Naphthalenes	ug/kg	18	18	100%	2	530	37.5	111	152

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C2-Phenanthrene/anthracenes	ug/kg	18	18	100%	11	1700	165	415	459
C3-Chrysenes	ug/kg	18	18	100%	9	1200	86.3	164	268
C3-Fluoranthenes/Pyrenes	ug/kg	18	18	100%	12	2300	135	317	516
C3-Fluorenes	ug/kg	18	2	11%	36	290	163	163	180
C3-Naphthalene	ug/kg	18	18	100%	2	410	48.0	124	146
C3-Phenanthrene/anthracenes	ug/kg	18	18	100%	9	1300	160	268	312
C4-Chrysenes	ug/kg	18	7	39%	2	100	37.0	46.4	32.1
C4-Naphthalene	ug/kg	18	18	100%	3	650	86.0	131	166
C4-Phenanthrenes/anthracenes	ug/kg	18	1	6%	440	440	NA	NA	NA
Carbazole	ug/kg	18	10	56%	26	4600	125	616	1410
Chrysene	ug/kg	18	18	100%	56	5200	385	948	1350
Dibenzo(a,h)anthracene	ug/kg	18	18	100%	3	1400	66.5	196	334
Dibenzofuran	ug/kg	18	11	61%	23	970	81.0	195	277
Fluoranthene	ug/kg	18	18	100%	84	10000	610	2030	2910
Fluorene	ug/kg	18	18	100%	3	1200	29.0	154	293
Indeno(1,2,3-cd)pyrene	ug/kg	18	18	100%	3	4900	205	640	1150
Naphthalene	ug/kg	18	18	100%	4	670	53.0	132	179
Perylene	ug/kg	18	18	100%	14	1800	95.0	254	424
Phenanthrene	ug/kg	18	18	100%	29	7500	285	1310	2090
Phenol	ug/kg	18	4	22%	45	150	71.0	84.3	46.4
Pyrene	ug/kg	18	18	100%	78	10000	475	1640	2500
Total HMW PAHs	ppb	18	18	100%	540	66000	3150	10200	16200
Total LMW PAHs	ppb	18	18	100%	61	20000	565	2610	4860
TOTAL PAHs	ppb	18	18	100%	600	86000	3700	12700	21000
TPH									
PHC AS GASOLINE	mg/kg	18	5	28%	0.3	37	2.60	10.8	15.3
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	18	18	100%	47.6	1230	253	382	331
Grain Size									
75000 um	% passing	18	18	100%	100	100	100	100	0
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	18	18	100%	100	100	100	100	0
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	18	18	100%	88.4	100	100	98.9	2.94
SIEVE NO. 4, PERCENT PASSING	% passing	18	18	100%	64.3	99.9	96.4	92.4	9.37
3.35 mm	% passing	18	18	100%	58.2	99.9	95.7	90.2	11.3
SIEVE, NO. 8, PERCENT PASSING	% passing	18	18	100%	53.1	97.4	93.3	86.5	12.7
SIEVE, NO. 16, PERCENT PASSING	% passing	18	18	100%	46.4	96.5	89.7	82.8	15.0
SIEVE, NO. 30, PERCENT PASSING	% passing	18	18	100%	34.7	94.1	83.4	77.0	18.3
0.3 mm	% passing	18	18	100%	14.3	87.7	61.4	62.0	20.2
SIEVE, NO. 100, PERCENT PASSING	% passing	18	18	100%	6.1	65.3	42.5	40.7	19.1
SIEVE NO. 200, PERCENT PASSING	% passing	18	18	100%	2.6	51.8	23.5	24.7	16.2
0.064 mm	% passing	18	18	100%	2.5	50	21.5	22.1	15.6
0.05 mm	% passing	18	18	100%	2.5	48	18.3	18.0	14.2
0.02 mm	% passing	18	18	100%	1.0	39	9.50	11.6	11.3
0.002 mm	% passing	18	14	78%	0.5	15	2.00	3.54	4.10
0.001 mm	% passing	18	9	50%	0.5	9	1.00	2.61	3.03
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	18	16	89%	0.5	19.5	3.50	5.53	5.55
Physical Properties[2]									
MOISTURE (WATER)CONTENT	%	18	18	100%	17.5	68.6	24.6	27.6	12.7
Oxidation Reduction Potential	mV	18	18	100%	12	467	167	179	126
Percent Moisture	%	18	18	100%	18.3	52.9	26.3	28.1	9.64
pH	pH Units	18	18	100%	6.73	8.02	7.81	7.72	0.297
TOC by Lloyd Kahn	mg/kg	18	18	100%	1160	54300	7940	15300	16300

Table 3-22
Statistical Summary of Detected Analytes - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Total Solids (Percent)	%	18	18	100%	47.6	79.3	75.0	72.1	8.14
Water Content	%	18	18	100%	21.2	218	32.7	45.8	47.1
Water Content ASTM D2216	%	18	18	100%	22.4	112	35.7	42.1	24.4
Miscellaneous Chemicals									
Ammonia Nitrogen	mg/kg	15	1	7%	241	241	NA	NA	NA
Phosphorus	mg/kg	18	18	100%	67.2	1500	371	470	373
Total Cyanide	mg/kg	18	2	11%	0.26	0.72	0.490	0.490	0.325
Total Kjeldahl Nitrogen (TKN)	mg/kg	17	10	59%	74.3	3750	279	723	1120
AVS/SEM									
Acid Volatile Sulfide (AVS)	umol/g	16	16	100%	0.89	13	3.10	3.76	2.96
Cadmium	umol/g	18	18	100%	0.000193	0.0189	0.00202	0.00336	0.00434
Copper	umol/g	18	18	100%	0.0482	1.4	0.224	0.353	0.393
Lead	umol/g	18	18	100%	0.0301	1.61	0.178	0.340	0.454
Mercury	umol/g	15	1	7%	0.000138	0.00014	NA	NA	NA
Nickel	umol/g	18	18	100%	0.0177	0.291	0.0489	0.0756	0.0708
Zinc	umol/g	18	18	100%	0.198	10.4	0.866	1.90	2.91

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2]"Percent Moisture" and "Moisture (water) Content" were analyzed using USEPA Method 160.3 and "Water Content" and "Water Content ASTM D2216" were analyzed using ASTM D-2216. "Percent Moisture" and "Moisture (water) Content" determined by USEPA Method 160.3 are calculated as the weight of the dry sediment divided by the weight of the wet sediment; the maximum percent moisture is 100%. "Water Content" and "Water Content ASTM D2216" analyzed using ASTM D-2216 are calculated as the weight of the water divided by the weight of the dry sediment, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Field duplicate samples were averaged to create one result prior to statistical reporting. Additional details regarding field duplicate handling can be found in Section 3.0 of the report.

4. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
5. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
TEPH = total extractable petroleum hydrocarbons
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	8	8	100%	8.68	132	48.8	54.6	39.0
1,2,3,4,6,7,8-HpCDF	ng/kg	8	8	100%	7.1	268	88.2	114	92.9
1,2,3,4,7,8,9-HpCDF	ng/kg	8	7	88%	0.937	6.85	3.29	3.87	2.20
1,2,3,4,7,8-HxCDD	ng/kg	8	7	88%	0.554	1.99	1.17	1.21	0.525
1,2,3,4,7,8-HxCDF	ng/kg	8	8	100%	2.06	59.4	24.4	28.5	22.3
1,2,3,6,7,8-HxCDD	ng/kg	8	8	100%	0.572	9.08	3.29	3.76	2.74
1,2,3,6,7,8-HxCDF	ng/kg	8	8	100%	0.767	14.3	6.49	7.33	5.16
1,2,3,7,8,9-HxCDD	ng/kg	8	8	100%	0.373	5.06	2.17	2.34	1.49
1,2,3,7,8,9-HxCDF	ng/kg	8	5	63%	0.531	2.28	1.17	1.37	0.736
1,2,3,7,8-PeCDD	ng/kg	8	8	100%	0.166	2.94	1.01	1.30	0.907
1,2,3,7,8-PeCDF	ng/kg	8	8	100%	0.576	6.44	2.70	3.22	2.15
2,3,4,6,7,8-HxCDF	ng/kg	7	7	100%	0.514	5.84	3.45	3.40	1.93
2,3,4,7,8-PeCDF	ng/kg	8	8	100%	0.718	11.6	5.38	6.11	3.79
2,3,7,8-TCDD	ng/kg	8	8	100%	2.18	97.1	15.6	33.1	36.8
2,3,7,8-TCDF	ng/kg	8	8	100%	0.589	6.38	4.25	3.84	2.14
OCDD	ng/kg	8	8	100%	76	1170	586	591	348
OCDF	ng/kg	8	8	100%	9.7	392	115	159	133
Metals									
Aluminum	mg/kg	8	8	100%	2610	8920	7560	7000	2170
Antimony	mg/kg	8	7	88%	0.188	0.959	0.278	0.365	0.268
Arsenic	mg/kg	8	8	100%	1.18	15.4	9.25	8.95	4.69
Barium	mg/kg	8	8	100%	14.4	124	63.9	69.2	34.4
Beryllium	mg/kg	8	8	100%	0.161	0.621	0.421	0.413	0.148
Cadmium	mg/kg	8	8	100%	0.0858	1.89	0.581	0.682	0.539
Calcium	mg/kg	8	8	100%	905	5780	2350	2810	1610
Chromium	mg/kg	8	8	100%	9.1	90.8	62.5	56.9	27.5
Cobalt	mg/kg	8	8	100%	1.96	8.48	5.94	5.52	1.97
Copper	mg/kg	8	8	100%	9.14	163	74.6	81.0	49.2
Iron	mg/kg	8	8	100%	5130	20600	14200	14200	4680
Lead	mg/kg	8	8	100%	10.6	254	75.3	90.3	73.2
Magnesium	mg/kg	8	8	100%	1400	5110	3570	3430	1130
Manganese	mg/kg	8	8	100%	42.5	260	177	165	69.8
Mercury	ng/g	8	8	100%	54.6	3700	600	927	1150
Methyl Mercury	ng/g	8	8	100%	0.065	0.598	0.217	0.280	0.197
Nickel	mg/kg	8	8	100%	5.89	55.4	19.6	23.0	15.2
Potassium	mg/kg	8	8	100%	670	2130	1630	1600	506
Selenium	mg/kg	8	7	88%	0.175	0.828	0.405	0.464	0.200
Silver	mg/kg	8	8	100%	0.0759	1.49	0.798	0.811	0.534
Sodium	mg/kg	8	8	100%	2500	4580	3200	3250	659
Thallium	mg/kg	8	7	88%	0.0877	0.232	0.151	0.151	0.0444
Titanium	mg/kg	8	8	100%	133	342	276	266	63.5
Vanadium	mg/kg	8	8	100%	8.3	27.5	19.3	19.2	6.31
Zinc	mg/kg	8	8	100%	35.2	250	193	176	63.7
TEPH Alkanes									
2,6,10,14-Tetramethyl Pentadecane	mg/kg	8	1	13%	0.0685	0.0685	NA	NA	NA
2,6,10,14-Tetramethylhexadecane	mg/kg	8	6	75%	0.0353	0.148	0.0690	0.0760	0.0431
Dotriacontane	mg/kg	8	7	88%	0.161	0.632	0.263	0.327	0.202
Heneicosane	mg/kg	8	3	38%	0.0327	0.263	0.0453	0.114	0.129
Heptacosane	mg/kg	8	3	38%	0.0926	0.151	0.122	0.122	0.0292
Heptadecane	mg/kg	7	5	71%	0.0833	0.138	0.104	0.103	0.0221
Heptatriacontane, -n	mg/kg	8	1	13%	0.0774	0.0774	NA	NA	NA
Hexatriacontane	mg/kg	8	1	13%	0.947	0.947	NA	NA	NA
Hhentriacontane	mg/kg	8	7	88%	0.0655	0.753	0.426	0.430	0.258
n-Docosane	mg/kg	8	4	50%	0.312	0.782	0.648	0.597	0.213

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
n-Dodecane	mg/kg	8	3	38%	0.039	0.0982	0.0455	0.0609	0.0325
n-Eicosane	mg/kg	8	1	13%	0.0655	0.0655	NA	NA	NA
n-Hexadecane	mg/kg	8	2	25%	0.0434	0.272	0.158	0.158	0.162
n-Octacosane	mg/kg	8	6	75%	0.286	1.76	0.641	0.826	0.560
n-Octadecane	mg/kg	8	2	25%	0.0552	0.0975	0.0764	0.0764	0.0299
Nonacosane	mg/kg	8	8	100%	0.0628	0.725	0.366	0.365	0.256
Nonadecane	mg/kg	8	3	38%	0.108	0.377	0.235	0.240	0.135
Nonatriacontane	mg/kg	8	2	25%	0.0578	0.13	0.0939	0.0939	0.0511
n-Tetracosane	mg/kg	8	4	50%	0.0527	0.151	0.114	0.108	0.0428
n-Triacontane	mg/kg	8	3	38%	0.0981	0.504	0.301	0.301	0.203
Octatriacontane	mg/kg	8	2	25%	0.0466	0.0492	0.0479	0.0479	0.00184
Pentacosane	mg/kg	8	4	50%	0.0329	0.0472	0.0361	0.0381	0.00628
Pentadecane	mg/kg	8	1	13%	0.151	0.151	NA	NA	NA
Pentatriacontane	mg/kg	8	5	63%	0.0458	0.157	0.0729	0.0925	0.0500
Tetracontane	mg/kg	8	6	75%	0.0183	0.198	0.0990	0.110	0.0738
Tetratriacontane	mg/kg	8	4	50%	0.0353	0.148	0.0865	0.0891	0.0549
Tricosane	mg/kg	8	4	50%	0.179	0.449	0.328	0.321	0.111
Butyltins									
Dibutyltin	ug/kg	8	2	25%	3.4	7.1	5.25	5.25	2.62
Tributyltin	ug/kg	8	2	25%	2.6	5.8	4.20	4.20	2.26
PCB Congeners									
PCB-1	ng/kg	8	8	100%	10.5	764	41.2	134	257
PCB-2	ng/kg	8	7	88%	6.14	118	25.9	39.9	39.2
PCB-3	ng/kg	8	8	100%	6.88	418	32.5	84.1	138
PCB-4	ng/kg	8	8	100%	28.1	7090	176	1060	2440
PCB-5	ng/kg	8	2	25%	12.5	163	87.8	87.8	106
PCB-6	ng/kg	8	8	100%	11.9	5850	83.4	794	2040
PCB-7	ng/kg	8	1	13%	550	550	NA	NA	NA
PCB-8	ng/kg	8	8	100%	54.6	13700	392	2020	4730
PCB-9	ng/kg	8	4	50%	26.2	768	38.0	218	367
PCB-10	ng/kg	8	5	63%	2.44	464	21.6	105	201
PCB-11	ng/kg	8	8	100%	38.9	1060	275	414	383
PCB-12/13	ng/kg	8	8	100%	12.3	2610	77.0	401	895
PCB-14	ng/kg	8	1	13%	1.74	1.74	NA	NA	NA
PCB-15	ng/kg	8	8	100%	65.6	11100	443	1770	3790
PCB-16	ng/kg	8	8	100%	37.1	7020	302	1180	2390
PCB-17	ng/kg	8	8	100%	45.8	12500	397	1920	4290
PCB-18/30	ng/kg	8	8	100%	80.3	20400	674	3190	6990
PCB-19	ng/kg	8	8	100%	11.7	4380	121	644	1510
PCB-20/28	ng/kg	8	8	100%	207	52000	1990	8100	17800
PCB-21/33	ng/kg	8	8	100%	54.4	11300	483	1890	3840
PCB-22	ng/kg	8	8	100%	53.5	16700	493	2540	5740
PCB-23	ng/kg	8	2	25%	2.82	28.2	15.5	15.5	17.9
PCB-24	ng/kg	8	6	75%	1.25	580	14.4	107	232
PCB-25	ng/kg	8	8	100%	19.9	7280	178	1050	2520
PCB-26/29	ng/kg	8	8	100%	33.1	9850	300	1480	3390
PCB-27	ng/kg	8	8	100%	9.56	3040	94.8	452	1050
PCB-31	ng/kg	8	8	100%	154	33900	1440	5370	11600
PCB-32	ng/kg	8	8	100%	35.6	11600	320	1730	4000
PCB-34	ng/kg	8	5	63%	0.863	262	13.4	61.0	113
PCB-35	ng/kg	8	8	100%	4.95	817	44.3	148	274
PCB-36	ng/kg	8	1	13%	2.54	2.54	NA	NA	NA
PCB-37	ng/kg	8	8	100%	57.7	14700	593	2280	5030
PCB-38	ng/kg	8	2	25%	1.71	19.5	10.6	10.6	12.6
PCB-39	ng/kg	8	7	88%	0.991	222	13.9	40.3	80.6

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-40/71	ng/kg	8	8	100%	83.6	18600	744	2920	6360
PCB-41	ng/kg	8	7	88%	8.6	3040	105	517	1120
PCB-42	ng/kg	8	8	100%	59.5	13700	524	2140	4690
PCB-43	ng/kg	8	7	88%	7.48	1640	40.5	285	600
PCB-44/47/65	ng/kg	8	8	100%	188	36800	1790	5940	12500
PCB-45	ng/kg	8	8	100%	20	5690	207	876	1950
PCB-46	ng/kg	8	8	100%	9.12	2390	90.1	369	819
PCB-48	ng/kg	8	8	100%	29.9	7390	274	1160	2530
PCB-49/69	ng/kg	8	8	100%	129	27100	1190	4310	9240
PCB-50/53	ng/kg	8	8	100%	27.1	5780	264	914	1970
PCB-51	ng/kg	8	8	100%	21.2	2120	105	354	717
PCB-52	ng/kg	8	8	100%	174	32300	1700	5370	10900
PCB-54	ng/kg	8	6	75%	2.63	121	16.3	31.6	44.6
PCB-55	ng/kg	8	6	75%	1.79	641	30.8	126	253
PCB-56	ng/kg	8	8	100%	77.9	21000	779	3260	7190
PCB-57	ng/kg	8	4	50%	1.41	248	15.4	70.1	119
PCB-58	ng/kg	8	3	38%	2.7	121	7.88	43.9	66.9
PCB-60	ng/kg	8	8	100%	32.2	10200	323	1540	3510
PCB-61/70/74/76	ng/kg	8	8	100%	254	58100	2530	9320	19800
PCB-62/75	ng/kg	8	8	100%	16.2	4170	157	643	1430
PCB-63	ng/kg	8	8	100%	6.36	1600	59.6	250	548
PCB-64	ng/kg	8	8	100%	78.5	20000	705	3100	6850
PCB-66	ng/kg	8	8	100%	156	39500	1570	6170	13500
PCB-67	ng/kg	8	8	100%	5.22	1520	49.3	230	522
PCB-68	ng/kg	8	7	88%	1.59	191	16.9	36.6	68.5
PCB-72	ng/kg	8	7	88%	1.86	286	23.3	53.5	103
PCB-77	ng/kg	8	8	100%	18.2	4310	206	706	1460
PCB-79	ng/kg	8	7	88%	1.26	135	18.3	30.1	47.4
PCB-80	ng/kg	8	1	13%	13	13	NA	NA	NA
PCB-81	ng/kg	8	3	38%	3.35	157	12.3	57.6	86.2
PCB-82	ng/kg	8	8	100%	19.5	2650	208	484	885
PCB-83	ng/kg	8	8	100%	6.68	838	88.0	163	277
PCB-84	ng/kg	8	8	100%	38.4	4640	427	876	1540
PCB-85/116/117	ng/kg	8	8	100%	29.6	3560	313	674	1180
PCB-86/87/97/109/119/125	ng/kg	8	8	100%	101	10600	991	2070	3510
PCB-88	ng/kg	8	2	25%	4.58	45	24.8	24.8	28.6
PCB-89	ng/kg	8	7	88%	2.38	451	35.9	84.0	162
PCB-90/101/113	ng/kg	8	8	100%	155	12400	1410	2630	4060
PCB-91	ng/kg	8	8	100%	27.2	3140	282	588	1040
PCB-92	ng/kg	8	7	88%	27.6	2250	372	511	784
PCB-93/100	ng/kg	8	5	63%	8.75	313	40.7	94.1	126
PCB-94	ng/kg	8	7	88%	2.55	157	18.6	33.8	55.2
PCB-95	ng/kg	8	8	100%	138	12200	1410	2580	3990
PCB-96	ng/kg	8	7	88%	1.77	231	18.8	43.4	83.2
PCB-98/102	ng/kg	8	7	88%	9.79	1070	104	212	382
PCB-99	ng/kg	8	8	100%	89.6	8600	821	1700	2840
PCB-103	ng/kg	8	7	88%	3.05	171	23.1	39.6	59.4
PCB-104	ng/kg	8	2	25%	2.07	3.29	2.68	2.68	0.863
PCB-105	ng/kg	8	8	100%	55.4	6080	542	1180	2010
PCB-107	ng/kg	8	8	100%	10.6	1080	100	214	357
PCB-108/124	ng/kg	8	7	88%	5.26	519	77.8	118	181
PCB-110/115	ng/kg	8	8	100%	190	16800	2290	3670	5460
PCB-112	ng/kg	8	2	25%	4	47.6	25.8	25.8	30.8
PCB-114	ng/kg	8	7	88%	3.06	432	44.1	87.4	154
PCB-118	ng/kg	8	8	100%	138	13600	1310	2730	4490

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-120	ng/kg	8	3	38%	2.24	39.5	6.02	15.9	20.5
PCB-122	ng/kg	8	7	88%	2.08	249	31.9	51.9	88.1
PCB-123	ng/kg	8	5	63%	2.72	353	40.2	91.9	147
PCB-126	ng/kg	8	2	25%	9.83	61.7	35.8	35.8	36.7
PCB-127	ng/kg	8	1	13%	1.89	1.89	NA	NA	NA
PCB-128/166	ng/kg	8	8	100%	25.4	1210	362	383	388
PCB-129/138/163	ng/kg	8	8	100%	220	8830	2730	2850	2820
PCB-130	ng/kg	8	8	100%	10.3	513	151	162	165
PCB-131	ng/kg	8	7	88%	1.85	108	30.2	32.5	37.2
PCB-132	ng/kg	8	8	100%	64.3	2710	808	871	869
PCB-133	ng/kg	8	7	88%	3.01	125	35.0	44.5	41.2
PCB-134	ng/kg	8	8	100%	10.8	474	137	148	152
PCB-135/151	ng/kg	8	8	100%	69.6	2480	727	823	805
PCB-136	ng/kg	8	8	100%	22	813	235	266	263
PCB-137	ng/kg	8	8	100%	7.37	426	111	121	136
PCB-139/140	ng/kg	8	5	63%	3.23	132	36.7	44.2	51.6
PCB-141	ng/kg	8	8	100%	38.4	1450	399	447	457
PCB-143	ng/kg	8	1	13%	4.98	4.98	NA	NA	NA
PCB-144	ng/kg	8	7	88%	8.25	279	85.6	91.8	94.7
PCB-146	ng/kg	8	8	100%	29.1	1130	336	365	363
PCB-147/149	ng/kg	8	8	100%	158	5780	1810	1960	1880
PCB-150	ng/kg	8	2	25%	4.76	28.6	16.7	16.7	16.9
PCB-152	ng/kg	8	1	13%	1.91	1.91	NA	NA	NA
PCB-153/168	ng/kg	8	8	100%	185	6870	1880	2140	2180
PCB-154	ng/kg	8	5	63%	5.19	170	26.3	56.6	67.8
PCB-155	ng/kg	8	6	75%	1.88	49.6	14.7	22.2	22.1
PCB-156/157	ng/kg	8	8	100%	18.2	870	194	248	276
PCB-158	ng/kg	8	8	100%	19.1	812	251	257	257
PCB-159	ng/kg	8	8	100%	1.83	59.4	19.7	22.0	19.2
PCB-164	ng/kg	8	8	100%	13.6	534	164	178	172
PCB-167	ng/kg	8	8	100%	6.49	290	71.3	85.1	92.0
PCB-170	ng/kg	8	8	100%	63.5	2030	681	752	642
PCB-171/173	ng/kg	8	7	88%	18.9	591	204	222	202
PCB-172	ng/kg	8	8	100%	11.1	379	126	137	122
PCB-174	ng/kg	8	7	88%	62.9	1960	654	755	694
PCB-175	ng/kg	8	8	100%	2.67	88.6	28.4	31.7	28.4
PCB-176	ng/kg	8	8	100%	7.43	237	78.5	87.5	76.7
PCB-177	ng/kg	8	7	88%	38	1160	405	444	406
PCB-178	ng/kg	8	8	100%	14.6	468	150	170	154
PCB-179	ng/kg	8	8	100%	25.9	812	270	304	267
PCB-180/193	ng/kg	8	8	100%	156	4960	1630	1770	1580
PCB-181	ng/kg	8	1	13%	1.6	1.6	NA	NA	NA
PCB-183/185	ng/kg	8	7	88%	46.6	1460	474	546	510
PCB-184	ng/kg	8	1	13%	2.19	2.19	NA	NA	NA
PCB-187	ng/kg	8	7	88%	96.9	3230	1090	1210	1150
PCB-188	ng/kg	8	2	25%	1.93	29.1	15.5	15.5	19.2
PCB-189	ng/kg	8	8	100%	2.54	73.6	23.6	26.5	23.0
PCB-190	ng/kg	8	8	100%	13.7	406	139	149	129
PCB-191	ng/kg	8	8	100%	2.75	79.8	27.1	29.5	25.6
PCB-194	ng/kg	8	8	100%	38.1	1080	338	394	339
PCB-195	ng/kg	8	8	100%	14.7	400	130	145	126
PCB-196	ng/kg	8	8	100%	21.6	590	203	221	189
PCB-197/200	ng/kg	8	8	100%	5.89	172	59.5	66.3	56.2
PCB-198/199	ng/kg	8	8	100%	51.2	1680	510	595	546
PCB-201	ng/kg	8	8	100%	5.76	171	54.1	64.0	56.5

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-202	ng/kg	8	8	100%	11.9	412	131	156	140
PCB-203	ng/kg	8	8	100%	32.3	1000	331	367	334
PCB-205	ng/kg	8	7	88%	1.9	52.7	16.8	19.6	18.5
PCB-206	ng/kg	8	8	100%	27.6	1060	254	375	395
PCB-207	ng/kg	8	8	100%	2.84	91.5	23.6	31.8	31.6
PCB-208	ng/kg	8	8	100%	8.71	364	84.2	131	141
PCB-209	ng/kg	8	8	100%	14.8	888	134	266	317
Total PCB Congeners (209)	ng/kg	8	8	100%	5230	734000	53700	131000	246000
Aroclor PCBs									
Aroclor-1248	ug/kg	8	8	100%	9.1	400	18.5	74.1	135
Aroclor-1254	ug/kg	8	7	88%	11	210	27.0	50.6	70.7
Aroclor-1260	ug/kg	8	5	63%	12	81	23.0	33.6	28.9
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	8	8	100%	20	690	56.0	140	225
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	8	8	100%	20	690	56.0	140	225
Pesticides									
2,4'-DDD	pg/g	8	8	100%	175	88700	1820	13000	30700
2,4'-DDE	pg/g	8	8	100%	162	61700	1170	9150	21300
2,4'-DDT	pg/g	8	3	38%	66.1	7450	766	2760	4080
4,4'-DDD	pg/g	8	8	100%	465	79100	4500	14700	26500
4,4'-DDE	pg/g	8	8	100%	758	141000	6330	24200	47800
4,4'-DDT	pg/g	8	7	88%	63.6	9000	298	2260	3580
Alpha-BHC	pg/g	8	4	50%	12.6	44.7	41.2	34.9	15.0
Alpha-Chlordane	pg/g	8	8	100%	209	3520	938	1260	1050
Beta-BHC	pg/g	8	5	63%	20.7	190	57.1	82.6	73.0
cis-Nonachlor	pg/g	8	6	75%	52.2	851	352	399	269
Delta-BHC	pg/g	8	1	13%	41.1	41.1	NA	NA	NA
Dieldrin	pg/g	8	6	75%	119	1000	532	568	326
Gamma-BHC (Lindane)	pg/g	8	1	13%	76.1	76.1	NA	NA	NA
Heptachlor Epoxide	pg/g	8	5	63%	14.6	133	72.1	73.3	44.7
Hexachlorobenzene	pg/g	8	8	100%	42.1	2080	460	750	723
Mirex	pg/g	8	1	13%	244	244	NA	NA	NA
Nonachlor, trans-	pg/g	8	6	75%	139	2000	599	817	645
Oxychlordane	pg/g	8	1	13%	36.4	36.4	NA	NA	NA
trans-Chlordane	pg/g	8	8	100%	219	3730	993	1360	1050
trans-Heptachlor Epoxide	pg/g	8	3	38%	132	204	166	167	36.0
Total Alpha + Gamma Chlordane	ppb	8	8	100%	0.43	7.3	2.00	2.63	2.09
Total DDT (2,4)	ppb	8	8	100%	0.34	160	3.30	23.5	55.3
Total DDT (4,4)	ppb	8	8	100%	1.3	230	12.5	41.0	77.2
Total DDT (2,4 & 4,4)	ppb	8	8	100%	1.6	390	15.5	64.5	132
Semivolatiles									
1-Methylnaphthalene	ug/kg	8	8	100%	2	77	15.5	20.5	23.5
2-Methylnaphthalene	ug/kg	8	8	100%	2	100	23.0	31.1	29.6
4-Methylphenol	ug/kg	8	7	88%	54	270	68.0	104	80.8
Acenaphthene	ug/kg	8	8	100%	2	290	17.0	50.9	97.2
Acenaphthylene	ug/kg	8	8	100%	2	93	51.5	50.1	31.6
Acetophenone	ug/kg	8	1	13%	74	74	NA	NA	NA
Anthracene	ug/kg	8	8	100%	8	770	88.5	174	251
Benzo(a)anthracene	ug/kg	8	8	100%	38	1400	255	402	433
Benzo(a)pyrene	ug/kg	8	8	100%	47	1500	295	443	459
Benzo(b)fluoranthene	ug/kg	8	8	100%	69	1300	250	409	401
Benzo(e)pyrene	ug/kg	8	8	100%	44	970	225	308	292
Benzo(g,h,i)perylene	ug/kg	8	8	100%	41	980	180	279	301
Benzo(j,k)fluoranthene	ug/kg	8	8	100%	48	1100	235	339	338
Biphenyl	ug/kg	8	2	25%	25	43	34.0	34.0	12.7
bis(2-Ethylhexyl)phthalate	ug/kg	8	7	88%	290	1900	810	1040	653

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C1-Chrysenes	ug/kg	8	8	100%	21	760	280	299	219
C1-Fluoranthenes/Pyrenes	ug/kg	8	8	100%	39	1500	440	525	437
C1-Fluorenes	ug/kg	8	8	100%	2	140	24.5	37.6	42.6
C1-Naphthalenes	ug/kg	8	8	100%	2	110	26.0	33.9	32.4
C1-Phenanthrenes/Anthracenes	ug/kg	8	8	100%	14	910	115	231	288
C2-Chrysenes	ug/kg	8	8	100%	12	350	145	160	98.6
C2-Fluoranthenes/Pyrenes	ug/kg	8	7	88%	170	620	230	293	158
C2-Fluorenes	ug/kg	8	5	63%	17	110	29.0	44.8	37.9
C2-Naphthalenes	ug/kg	8	8	100%	2	130	34.5	42.4	38.2
C2-Phenanthrene/anthracenes	ug/kg	8	8	100%	11	600	150	208	180
C3-Chrysenes	ug/kg	8	8	100%	9	150	67.0	73.5	43.8
C3-Fluoranthenes/Pyrenes	ug/kg	8	8	100%	12	280	125	139	82.7
C3-Fluorenes	ug/kg	8	1	13%	36	36	NA	NA	NA
C3-Naphthalene	ug/kg	8	8	100%	2	150	34.5	47.8	45.6
C3-Phenanthrene/anthracenes	ug/kg	8	8	100%	9	300	115	143	91.3
C4-Chrysenes	ug/kg	8	3	38%	37	67	61.0	55.0	15.9
C4-Naphthalene	ug/kg	8	8	100%	3	110	64.0	62.3	41.6
Carbazole	ug/kg	8	3	38%	26	84	36.0	48.7	31.0
Chrysene	ug/kg	8	8	100%	56	1500	320	440	459
Dibenzo(a,h)anthracene	ug/kg	8	8	100%	3	290	58.5	82.5	92.2
Dibenzofuran	ug/kg	8	3	38%	28	81	45.0	51.3	27.1
Fluoranthene	ug/kg	8	8	100%	120	3600	410	914	1160
Fluorene	ug/kg	8	8	100%	3	260	26.0	59.9	87.6
Indeno(1,2,3-cd)pyrene	ug/kg	8	8	100%	3	860	180	250	274
Naphthalene	ug/kg	8	8	100%	4	250	43.0	70.8	78.9
Perylene	ug/kg	8	8	100%	14	370	92.5	117	111
Phenanthrene	ug/kg	8	8	100%	29	2500	230	540	833
Pyrene	ug/kg	8	8	100%	78	2300	385	682	715
Total HMW PAHs	ppb	8	8	100%	540	15000	2500	4260	4660
Total LMW PAHs	ppb	8	8	100%	61	4300	515	980	1400
TOTAL PAHs	ppb	8	8	100%	600	19000	3000	5200	5930
TPH									
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	8	8	100%	47.6	507	248	288	146
Grain Size									
75000 um	% passing	8	8	100%	100	100	100	100	0
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	8	8	100%	100	100	100	100	0
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	8	8	100%	97.5	100	100	99.7	0.884
SIEVE NO. 4, PERCENT PASSING	% passing	8	8	100%	85.9	99.9	98.8	97.0	4.66
3.35 mm	% passing	8	8	100%	79.1	99.9	97.8	95.4	6.74
SIEVE, NO. 8, PERCENT PASSING	% passing	8	8	100%	73.3	97.4	94.7	92.4	7.82
SIEVE, NO. 16, PERCENT PASSING	% passing	8	8	100%	69.7	96.5	93.7	90.7	8.72
SIEVE, NO. 30, PERCENT PASSING	% passing	8	8	100%	64.3	94.1	91.1	87.0	9.88
0.3 mm	% passing	8	8	100%	56.8	87.7	76.0	73.2	13.6
SIEVE, NO. 100, PERCENT PASSING	% passing	8	8	100%	6.1	65.3	59.0	48.5	21.2
SIEVE NO. 200, PERCENT PASSING	% passing	8	8	100%	2.6	51.8	32.4	29.5	16.4
0.064 mm	% passing	8	8	100%	2.5	49.5	27.5	26.4	15.6
0.05 mm	% passing	8	8	100%	2.5	45	19.8	21.3	13.6
0.02 mm	% passing	8	8	100%	2.5	36	10.5	13.8	11.0
0.002 mm	% passing	8	6	75%	1.0	15	2.00	4.17	5.34
0.001 mm	% passing	8	2	25%	1.0	9.0	5.00	5.00	5.66
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	8	7	88%	2.0	19.5	4.00	6.57	6.19
Physical Properties[2]									
MOISTURE (WATER)CONTENT	%	8	8	100%	18.5	28.4	23.2	23.1	3.12

Table 3-23
Statistical Summary of Detected Analytes in the North Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Oxidation Reduction Potential	mV	8	8	100%	94.5	467	224	253	135
Percent Moisture	%	8	8	100%	18.9	31.5	26.3	25.8	4.18
pH	pH Units	8	8	100%	7.43	8.02	7.79	7.77	0.189
TOC by Lloyd Kahn	mg/kg	8	8	100%	1690	54300	6750	15700	18500
Total Solids (Percent)	%	8	8	100%	66	79.3	75.0	74.0	4.29
Water Content	%	8	8	100%	22.8	39.8	30.2	30.3	5.34
Water Content ASTM D2216	%	8	8	100%	23.3	45.9	35.7	35.1	7.52
Miscellaneous Chemicals									
Phosphorus	mg/kg	8	8	100%	67.2	859	314	357	229
Total Cyanide	mg/kg	8	1	13%	0.26	0.26	NA	NA	NA
Total Kjeldahl Nitrogen (TKN)	mg/kg	7	2	29%	135	141	138	138	4.24
AVS/SEM									
Acid Volatile Sulfide (AVS)	umol/g	7	7	100%	0.89	4.7	1.50	2.01	1.35
Cadmium	umol/g	8	8	100%	0.000193	0.00659	0.00202	0.00250	0.00184
Copper	umol/g	8	8	100%	0.0482	0.592	0.216	0.245	0.158
Lead	umol/g	8	8	100%	0.0301	0.66	0.178	0.219	0.187
Nickel	umol/g	8	8	100%	0.0196	0.086	0.0452	0.0445	0.0217
Zinc	umol/g	8	8	100%	0.198	1.91	0.866	0.985	0.527

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2]"Percent Moisture" and "Moisture (water) Content" were analyzed using USEPA Method 160.3 and "Water Content" and "Water Content ASTM D2216" were analyzed using ASTM D-2216. "Percent Moisture" and "Moisture (water) Content" determined by USEPA Method 160.3 are calculated as the weight of the dry sediment divided by the weight of the wet sediment; the maximum percent moisture is 100%. "Water Content" and "Water Content ASTM D2216" analyzed using ASTM D-2216 are calculated as the weight of the water divided by the weight of the dry sediment, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Field duplicate samples were averaged to create one result prior to statistical reporting. Additional details regarding field duplicate handling can be found in Section 3.0 of the report.
4. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
5. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
TEPH = total extractable petroleum hydrocarbons
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	4	4	100%	24.3	218	43.4	82.3	91.3
1,2,3,4,6,7,8-HpCDF	ng/kg	4	4	100%	18.4	228	80.5	102	101
1,2,3,4,7,8,9-HpCDF	ng/kg	4	4	100%	0.883	8.57	2.32	3.52	3.44
1,2,3,4,7,8-HxCDD	ng/kg	4	4	100%	0.507	3.64	0.716	1.39	1.51
1,2,3,4,7,8-HxCDF	ng/kg	2	2	100%	3.16	40	21.6	21.6	26.0
1,2,3,6,7,8-HxCDD	ng/kg	4	4	100%	1.8	15.7	2.25	5.50	6.81
1,2,3,6,7,8-HxCDF	ng/kg	4	4	100%	1.44	14.1	5.47	6.62	6.10
1,2,3,7,8,9-HxCDD	ng/kg	4	4	100%	1.01	8.34	1.06	2.87	3.65
1,2,3,7,8,9-HxCDF	ng/kg	4	1	25%	3.2	3.2	NA	NA	NA
1,2,3,7,8-PeCDD	ng/kg	4	4	100%	0.443	4.22	0.649	1.49	1.83
1,2,3,7,8-PeCDF	ng/kg	4	4	100%	0.753	6.24	2.44	2.97	2.34
2,3,4,6,7,8-HxCDF	ng/kg	4	4	100%	1.25	7.77	2.87	3.69	3.03
2,3,4,7,8-PeCDF	ng/kg	4	4	100%	1.66	11.9	4.26	5.52	4.62
2,3,7,8-TCDD	ng/kg	4	4	100%	3.79	90.7	4.68	26.0	43.2
2,3,7,8-TCDF	ng/kg	4	4	100%	1.37	10.3	2.98	4.41	4.12
OCDD	ng/kg	4	4	100%	600	2140	654	1010	752
OCDF	ng/kg	4	4	100%	29.4	331	120	150	138
Herbicides									
2,4,5-T	ug/kg	4	1	25%	3.4	3.4	NA	NA	NA
2,4-D	ug/kg	4	2	50%	23	25	24.0	24.0	1.41
2,4-DB	ug/kg	4	3	75%	44	49	47.0	46.7	2.52
Metals									
Aluminum	mg/kg	4	4	100%	5180	7970	5730	6150	1250
Antimony	mg/kg	4	4	100%	0.171	0.455	0.340	0.327	0.128
Arsenic	mg/kg	4	4	100%	6.4	13.3	7.67	8.76	3.10
Barium	mg/kg	4	4	100%	63.6	182	90.6	107	52.6
Beryllium	mg/kg	4	4	100%	0.296	0.46	0.356	0.367	0.0797
Cadmium	mg/kg	4	4	100%	0.234	2.19	0.388	0.800	0.935
Calcium	mg/kg	4	4	100%	1020	50900	2860	14400	24300
Chromium	mg/kg	4	4	100%	27.1	165	73.1	84.6	67.6
Cobalt	mg/kg	4	4	100%	4.43	7.14	5.85	5.82	1.13
Copper	mg/kg	4	4	100%	25.8	102	40.7	52.3	34.0
Hexavalent Chromium	mg/kg	4	2	50%	1.1	8	4.55	4.55	4.88
Iron	mg/kg	4	4	100%	11000	21500	15800	16000	4300
Lead	mg/kg	4	4	100%	41.7	110	84.9	80.4	32.8
Magnesium	mg/kg	4	4	100%	2460	27800	3450	9290	12400
Manganese	mg/kg	4	4	100%	86.5	424	182	219	145
Mercury	ng/g	4	4	100%	171	1980	1100	1090	931
Methyl Mercury	ng/g	4	4	100%	0.153	0.503	0.234	0.281	0.155
Nickel	mg/kg	4	4	100%	13.2	33.9	18.2	20.9	9.23
Potassium	mg/kg	4	4	100%	1100	2120	1420	1520	431
Selenium	mg/kg	4	4	100%	0.192	0.641	0.399	0.408	0.235
Silver	mg/kg	4	4	100%	0.206	1.57	0.224	0.556	0.676
Sodium	mg/kg	4	4	100%	2250	3700	2760	2870	626
Thallium	mg/kg	4	4	100%	0.0651	0.167	0.104	0.110	0.0429
Titanium	mg/kg	4	4	100%	164	302	283	258	63.2
Vanadium	mg/kg	4	4	100%	13.8	27.1	23.4	21.9	5.97
Zinc	mg/kg	4	4	100%	70.3	231	126	138	68.4
TEPH Alkanes									
2,6,10,14-Tetramethyl Pentadecane	mg/kg	4	1	25%	1.18	1.18	NA	NA	NA
2,6,10,14-Tetramethylhexadecane	mg/kg	4	2	50%	0.0362	0.677	0.357	0.357	0.453
Dotriacontane	mg/kg	4	4	100%	0.128	0.556	0.151	0.247	0.207
Heneicosane	mg/kg	4	2	50%	0.0586	0.332	0.195	0.195	0.193
Heptadecane	mg/kg	4	1	25%	0.565	0.565	NA	NA	NA
Heptatriacontane, -n	mg/kg	4	2	50%	0.0295	0.0673	0.0484	0.0484	0.0267

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Hexatriacontane	mg/kg	4	1	25%	0.143	0.143	NA	NA	NA
Hhentriacontane	mg/kg	4	1	25%	0.206	0.206	NA	NA	NA
n-Docosane	mg/kg	4	4	100%	0.113	0.406	0.260	0.260	0.131
n-Eicosane	mg/kg	4	1	25%	0.0303	0.0303	NA	NA	NA
n-Hexacosane	mg/kg	4	2	50%	0.0276	1.12	0.574	0.574	0.772
n-Hexadecane	mg/kg	4	1	25%	0.068	0.068	NA	NA	NA
n-Octacosane	mg/kg	4	4	100%	0.312	0.94	0.660	0.643	0.266
n-Octadecane	mg/kg	4	2	50%	0.0373	0.0406	0.0390	0.0390	0.00233
Nonacosane	mg/kg	4	3	75%	0.0379	0.581	0.0745	0.231	0.304
Nonadecane	mg/kg	4	2	50%	0.084	0.141	0.113	0.113	0.0403
Nonatriacontane	mg/kg	4	2	50%	0.0272	0.104	0.0656	0.0656	0.0543
n-Tetracosane	mg/kg	4	1	25%	0.296	0.296	NA	NA	NA
n-Tridecane	mg/kg	4	1	25%	0.0479	0.0479	NA	NA	NA
Octatriacontane	mg/kg	4	2	50%	0.0255	0.0953	0.0604	0.0604	0.0494
Pentacosane	mg/kg	4	3	75%	0.0539	0.0916	0.0630	0.0695	0.0197
Pentadecane	mg/kg	4	3	75%	0.0145	0.1	0.0298	0.0481	0.0456
Pentatriacontane	mg/kg	4	2	50%	0.0368	0.0554	0.0461	0.0461	0.0132
Tetracontane	mg/kg	4	3	75%	0.0533	0.0889	0.0852	0.0758	0.0196
Tetratriacontane	mg/kg	4	1	25%	0.0397	0.0397	NA	NA	NA
Tricosane	mg/kg	4	2	50%	0.183	0.539	0.361	0.361	0.252
Tritriacontane	mg/kg	3	1	33%	0.0863	0.0863	NA	NA	NA
Butyltins									
Dibutyltin	ug/kg	4	1	25%	5.7	5.7	NA	NA	NA
Tetrabutyltin	ug/kg	4	1	25%	2.6	2.6	NA	NA	NA
Tributyltin	ug/kg	4	1	25%	3.6	3.6	NA	NA	NA
PCB Congeners									
PCB-1	ng/kg	4	4	100%	45.5	431	90.2	164	179
PCB-2	ng/kg	4	4	100%	11.2	154	17.6	50.1	69.4
PCB-3	ng/kg	4	4	100%	26.7	532	58.6	169	242
PCB-4	ng/kg	4	4	100%	119	5780	191	1570	2810
PCB-5	ng/kg	4	1	25%	171	171	NA	NA	NA
PCB-6	ng/kg	4	4	100%	58.2	1590	80.6	452	759
PCB-7	ng/kg	4	1	25%	455	455	NA	NA	NA
PCB-8	ng/kg	4	4	100%	219	11800	322	3170	5760
PCB-9	ng/kg	4	3	75%	15.4	555	16.9	196	311
PCB-10	ng/kg	4	3	75%	15.9	261	24.3	100	139
PCB-11	ng/kg	4	4	100%	158	11000	223	2900	5400
PCB-12/13	ng/kg	4	4	100%	50.9	2140	85.0	590	1030
PCB-15	ng/kg	4	4	100%	262	9890	540	2810	4720
PCB-16	ng/kg	4	4	100%	94.1	17600	154	4500	8730
PCB-17	ng/kg	4	4	100%	147	16800	234	4350	8300
PCB-18/30	ng/kg	4	4	100%	235	35900	359	9210	17800
PCB-19	ng/kg	4	4	100%	38.6	3570	69.8	937	1760
PCB-20/28	ng/kg	4	4	100%	689	58400	1380	15500	28600
PCB-21/33	ng/kg	4	4	100%	142	23100	266	5940	11400
PCB-22	ng/kg	4	4	100%	144	19700	290	5110	9730
PCB-23	ng/kg	4	1	25%	50.9	50.9	NA	NA	NA
PCB-24	ng/kg	4	1	25%	442	442	NA	NA	NA
PCB-25	ng/kg	4	4	100%	82.7	4340	146	1180	2110
PCB-26/29	ng/kg	4	4	100%	132	8700	234	2320	4250
PCB-27	ng/kg	4	4	100%	36	2610	65.5	694	1280
PCB-31	ng/kg	4	4	100%	524	53000	851	13800	26100
PCB-32	ng/kg	4	4	100%	110	11900	184	3090	5870
PCB-34	ng/kg	4	1	25%	201	201	NA	NA	NA
PCB-35	ng/kg	4	4	100%	16.3	1640	37.9	433	805
PCB-36	ng/kg	4	1	25%	14.1	14.1	NA	NA	NA

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-37	ng/kg	4	4	100%	211	15500	512	4180	7550
PCB-39	ng/kg	4	2	50%	10.6	277	144	144	188
PCB-40/71	ng/kg	4	4	100%	251	23400	571	6200	11500
PCB-41	ng/kg	4	2	50%	97.2	5010	2550	2550	3470
PCB-42	ng/kg	4	4	100%	175	16400	422	4350	8030
PCB-43	ng/kg	4	4	100%	22.3	2440	43.5	637	1200
PCB-44/47/65	ng/kg	4	4	100%	569	51400	1210	13600	25200
PCB-45	ng/kg	4	4	100%	56	6660	126	1740	3280
PCB-46	ng/kg	4	4	100%	26.9	2780	55.7	730	1370
PCB-48	ng/kg	4	4	100%	78.1	11400	176	2960	5630
PCB-49/69	ng/kg	4	4	100%	413	34100	854	9060	16700
PCB-50/53	ng/kg	4	4	100%	75.2	6800	171	1800	3330
PCB-51	ng/kg	4	4	100%	34	1610	74.8	448	775
PCB-52	ng/kg	4	4	100%	620	62100	1240	16300	30500
PCB-54	ng/kg	4	1	25%	123	123	NA	NA	NA
PCB-55	ng/kg	4	2	50%	31.9	715	373	373	483
PCB-56	ng/kg	4	4	100%	279	27200	701	7220	13300
PCB-57	ng/kg	4	2	50%	12.8	242	127	127	162
PCB-58	ng/kg	4	1	25%	73.4	73.4	NA	NA	NA
PCB-60	ng/kg	4	4	100%	113	14200	292	3720	6990
PCB-61/70/74/76	ng/kg	4	4	100%	973	98100	2120	25800	48200
PCB-62/75	ng/kg	4	4	100%	49.3	4380	121	1170	2140
PCB-63	ng/kg	4	4	100%	24.6	2080	53.3	553	1020
PCB-64	ng/kg	4	4	100%	249	25600	519	6720	12600
PCB-66	ng/kg	4	4	100%	607	47900	1420	12800	23400
PCB-67	ng/kg	4	4	100%	18.9	1450	49.0	392	706
PCB-68	ng/kg	4	2	50%	18.6	163	90.8	90.8	102
PCB-72	ng/kg	4	2	50%	24.7	322	173	173	210
PCB-73	ng/kg	4	1	25%	81.3	81.3	NA	NA	NA
PCB-77	ng/kg	4	4	100%	71.5	5380	202	1460	2610
PCB-79	ng/kg	4	2	50%	19.7	400	210	210	269
PCB-81	ng/kg	4	1	25%	179	179	NA	NA	NA
PCB-82	ng/kg	4	4	100%	86.8	8050	220	2140	3940
PCB-83	ng/kg	4	4	100%	32.5	2500	95.8	681	1210
PCB-84	ng/kg	4	4	100%	182	15900	479	4260	7760
PCB-85/116/117	ng/kg	4	4	100%	136	11100	324	2970	5420
PCB-86/87/97/109/119/125	ng/kg	4	4	100%	469	42400	1050	11200	20800
PCB-89	ng/kg	4	2	50%	36.9	813	425	425	549
PCB-90/101/113	ng/kg	4	4	100%	677	56300	1510	15000	27500
PCB-91	ng/kg	4	4	100%	133	8190	298	2230	3980
PCB-92	ng/kg	4	4	100%	129	9770	290	2620	4770
PCB-93/100	ng/kg	4	1	25%	444	444	NA	NA	NA
PCB-94	ng/kg	4	2	50%	21.3	291	156	156	191
PCB-95	ng/kg	4	4	100%	675	53600	1600	14400	26200
PCB-96	ng/kg	4	2	50%	18.4	391	205	205	263
PCB-98/102	ng/kg	4	2	50%	118	2000	1060	1060	1330
PCB-99	ng/kg	4	4	100%	412	27700	863	7460	13500
PCB-103	ng/kg	4	2	50%	29.2	299	164	164	191
PCB-105	ng/kg	4	4	100%	261	22300	571	5930	10900
PCB-107	ng/kg	4	4	100%	47.4	3770	107	1010	1840
PCB-108/124	ng/kg	4	3	75%	31.9	2400	79.5	837	1350
PCB-110/115	ng/kg	4	4	100%	947	70300	2250	18900	34300
PCB-112	ng/kg	4	1	25%	89.1	89.1	NA	NA	NA
PCB-114	ng/kg	4	2	50%	39.1	1520	780	780	1050
PCB-118	ng/kg	4	4	100%	710	54500	1460	14500	26700
PCB-120	ng/kg	4	1	25%	72.2	72.2	NA	NA	NA

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-122	ng/kg	4	2	50%	30.6	719	375	375	487
PCB-123	ng/kg	4	3	75%	18.9	993	50.2	354	554
PCB-126	ng/kg	4	1	25%	129	129	NA	NA	NA
PCB-127	ng/kg	4	1	25%	72.3	72.3	NA	NA	NA
PCB-128/166	ng/kg	4	4	100%	143	9900	356	2690	4810
PCB-129/138/163	ng/kg	4	4	100%	946	63200	2290	17200	30700
PCB-130	ng/kg	4	4	100%	53.1	3770	134	1020	1830
PCB-131	ng/kg	4	2	50%	39.7	939	489	489	636
PCB-132	ng/kg	4	4	100%	271	20300	691	5490	9880
PCB-133	ng/kg	4	3	75%	14.7	716	45.0	259	396
PCB-134	ng/kg	4	4	100%	52.4	3430	122	932	1670
PCB-135/151	ng/kg	4	4	100%	267	14600	614	4020	7060
PCB-136	ng/kg	4	4	100%	85.6	5530	208	1510	2680
PCB-137	ng/kg	4	3	75%	48.4	3390	160	1200	1900
PCB-139/140	ng/kg	4	2	50%	54.4	980	517	517	654
PCB-141	ng/kg	4	4	100%	137	9990	310	2690	4870
PCB-143	ng/kg	4	1	25%	96.2	96.2	NA	NA	NA
PCB-144	ng/kg	4	4	100%	28.3	3380	67.3	886	1660
PCB-145	ng/kg	4	1	25%	21	21	NA	NA	NA
PCB-146	ng/kg	4	4	100%	125	6650	280	1830	3210
PCB-147/149	ng/kg	4	4	100%	633	36100	1460	9910	17500
PCB-150	ng/kg	4	1	25%	69.9	69.9	NA	NA	NA
PCB-152	ng/kg	4	1	25%	40.3	40.3	NA	NA	NA
PCB-153/168	ng/kg	4	4	100%	746	41600	1670	11400	20100
PCB-154	ng/kg	4	2	50%	49	417	233	233	260
PCB-155	ng/kg	4	1	25%	26	26	NA	NA	NA
PCB-156/157	ng/kg	4	4	100%	95.2	7020	204	1880	3430
PCB-158	ng/kg	4	4	100%	85	6400	199	1720	3120
PCB-159	ng/kg	4	2	50%	17.7	304	161	161	202
PCB-164	ng/kg	4	4	100%	54.8	3600	133	980	1750
PCB-167	ng/kg	4	4	100%	32.6	1990	75.0	543	965
PCB-170	ng/kg	4	4	100%	195	11700	483	3220	5660
PCB-171/173	ng/kg	4	4	100%	58.5	3540	141	970	1710
PCB-172	ng/kg	4	4	100%	38.2	1970	82.1	543	952
PCB-174	ng/kg	4	4	100%	190	10100	435	2790	4880
PCB-175	ng/kg	4	2	50%	31.4	474	253	253	313
PCB-176	ng/kg	4	4	100%	24.2	1230	53.4	340	594
PCB-177	ng/kg	4	4	100%	127	6070	279	1690	2920
PCB-178	ng/kg	4	3	75%	58.4	2100	157	772	1150
PCB-179	ng/kg	4	4	100%	88.6	3880	188	1090	1860
PCB-180/193	ng/kg	4	4	100%	505	24200	1120	6740	11700
PCB-181	ng/kg	4	1	25%	137	137	NA	NA	NA
PCB-183/185	ng/kg	4	4	100%	165	7610	335	2110	3670
PCB-187	ng/kg	4	4	100%	396	14300	750	4050	6840
PCB-188	ng/kg	4	1	25%	25.9	25.9	NA	NA	NA
PCB-189	ng/kg	4	2	50%	25.8	419	222	222	278
PCB-190	ng/kg	4	4	100%	41.7	2360	95.0	648	1140
PCB-191	ng/kg	4	2	50%	24.7	443	234	234	296
PCB-194	ng/kg	4	4	100%	141	4720	237	1330	2260
PCB-195	ng/kg	4	4	100%	44.3	1760	84.2	493	845
PCB-196	ng/kg	4	4	100%	77.7	2680	134	757	1280
PCB-197/200	ng/kg	4	2	50%	56.9	768	412	412	503
PCB-198/199	ng/kg	4	4	100%	218	6630	421	1920	3140
PCB-201	ng/kg	4	3	75%	34.6	651	53.3	246	351
PCB-202	ng/kg	4	4	100%	60.9	1600	138	484	745
PCB-203	ng/kg	4	4	100%	150	4480	245	1280	2130

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-205	ng/kg	4	2	50%	18.2	226	122	122	147
PCB-206	ng/kg	4	4	100%	166	4370	400	1330	2030
PCB-207	ng/kg	4	3	75%	28.9	353	32.0	138	186
PCB-208	ng/kg	4	4	100%	56.7	1480	150	459	682
PCB-209	ng/kg	4	4	100%	156	3840	360	1180	1780
Total PCB Congeners (209)	ng/kg	4	4	100%	20900	1540000	43200	412000	752000
Aroclor PCBs									
Aroclor-1248	ug/kg	4	3	75%	16	170	19.0	68.3	88.1
Aroclor-1254	ug/kg	4	3	75%	27	240	38.0	102	120
Aroclor-1260	ug/kg	4	2	50%	13	81	47.0	47.0	48.1
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	4	3	75%	56	490	57.0	201	250
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	4	3	75%	56	490	57.0	201	250
Pesticides									
2,4'-DDD	pg/g	4	4	100%	931	15200	6390	7230	7090
2,4'-DDE	pg/g	4	4	100%	199	17300	722	4740	8380
2,4'-DDT	pg/g	4	4	100%	64.3	509	224	255	200
4,4'-DDD	pg/g	4	4	100%	2380	29900	11900	14000	13200
4,4'-DDE	pg/g	4	4	100%	2750	71600	3370	20300	34200
4,4'-DDT	pg/g	4	4	100%	290	12700	1660	4080	5800
Aldrin	pg/g	4	1	25%	838	838	NA	NA	NA
Alpha-BHC	pg/g	4	2	50%	8.17	64.5	36.3	36.3	39.8
Alpha-Chlordane	pg/g	4	4	100%	714	5520	3970	3540	2090
cis-Nonachlor	pg/g	4	3	75%	895	1400	908	1070	288
Dieldrin	pg/g	4	4	100%	413	15400	763	4330	7380
Heptachlor	pg/g	4	1	25%	35.9	35.9	NA	NA	NA
Heptachlor Epoxide	pg/g	4	3	75%	67.2	354	157	193	147
Hexachlorobenzene	pg/g	4	4	100%	201	6650	1350	2390	3020
Nonachlor, trans-	pg/g	4	4	100%	442	3540	2160	2080	1350
Oxychlordane	pg/g	4	1	25%	76.6	76.6	NA	NA	NA
trans-Chlordane	pg/g	4	4	100%	754	9730	4440	4840	3820
trans-Heptachlor Epoxide	pg/g	4	1	25%	734	734	NA	NA	NA
Total Alpha + Gamma Chlordane	ppb	4	4	100%	1.5	14	8.80	8.28	5.44
Total DDT (2,4)	ppb	4	4	100%	1.6	33	7.05	12.2	14.7
Total DDT (4,4)	ppb	4	4	100%	5.4	110	17.2	37.4	49.2
Total DDT (2,4 & 4,4)	ppb	4	4	100%	7	150	24.0	51.3	67.3
Semivolatiles									
1-Methylnaphthalene	ug/kg	4	4	100%	14	45	19.0	24.3	14.2
2-Methylnaphthalene	ug/kg	4	4	100%	13	43	25.5	26.8	13.8
4-Methylphenol	ug/kg	4	2	50%	150	200	175	175	35.4
Acenaphthene	ug/kg	4	4	100%	17	130	22.0	47.8	54.9
Acenaphthylene	ug/kg	4	4	100%	16	73	27.5	36.0	26.4
Anthracene	ug/kg	4	4	100%	59	490	91.0	183	206
Benzo(a)anthracene	ug/kg	4	4	100%	170	1100	250	443	442
Benzo(a)pyrene	ug/kg	4	4	100%	170	1100	255	445	441
Benzo(b)fluoranthene	ug/kg	4	4	100%	160	1300	280	505	535
Benzo(e)pyrene	ug/kg	4	4	100%	130	730	190	310	282
Benzo(g,h,i)perylene	ug/kg	4	4	100%	120	670	175	285	261
Benzo(j,k)fluoranthene	ug/kg	4	4	100%	140	810	190	333	321
Benzoic Acid	ug/kg	4	1	25%	270	270	NA	NA	NA
Biphenyl	ug/kg	4	2	50%	30	63	46.5	46.5	23.3
bis(2-Ethylhexyl)phthalate	ug/kg	4	4	100%	98	5700	265	1580	2750
C1-Chrysenes	ug/kg	4	4	100%	130	650	235	313	235
C1-Fluoranthenes/Pyrenes	ug/kg	4	4	100%	220	1300	395	578	496
C1-Fluorenes	ug/kg	4	4	100%	20	120	38.0	54.0	47.2
C1-Naphthalenes	ug/kg	4	4	100%	13	57	28.0	31.5	18.5
C1-Phenanthrenes/Anthracenes	ug/kg	4	4	100%	170	960	230	398	377

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C2-Chrysenes	ug/kg	4	4	100%	81	310	173	184	118
C2-Fluoranthenes/Pyrenes	ug/kg	4	4	100%	130	700	275	345	270
C2-Fluorenes	ug/kg	4	4	100%	20	140	65.5	72.8	61.6
C2-Naphthalenes	ug/kg	4	4	100%	26	100	49.0	56.0	34.9
C2-Phenanthrene/anthracenes	ug/kg	4	4	100%	120	610	370	368	269
C3-Chrysenes	ug/kg	4	4	100%	32	150	96.5	93.8	65.1
C3-Fluoranthenes/Pyrenes	ug/kg	4	4	100%	76	370	223	223	164
C3-Fluorenes	ug/kg	4	1	25%	290	290	NA	NA	NA
C3-Naphthalene	ug/kg	4	4	100%	30	380	75.5	140	165
C3-Phenanthrene/anthracenes	ug/kg	4	4	100%	71	640	177	266	265
C4-Chrysenes	ug/kg	4	2	50%	31	100	65.5	65.5	48.8
C4-Naphthalene	ug/kg	4	4	100%	26	650	63.5	201	301
C4-Phenanthrenes/anthracenes	ug/kg	4	1	25%	440	440	NA	NA	NA
Carbazole	ug/kg	4	2	50%	110	300	205	205	134
Chrysene	ug/kg	4	4	100%	200	1200	265	483	481
Dibenzo(a,h)anthracene	ug/kg	4	4	100%	3	230	48.5	82.5	101
Dibenzofuran	ug/kg	4	3	75%	23	150	78.0	83.7	63.7
Fluoranthene	ug/kg	4	4	100%	480	3400	610	1280	1420
Fluorene	ug/kg	4	4	100%	22	180	26.0	63.5	77.7
Indeno(1,2,3-cd)pyrene	ug/kg	4	4	100%	3	610	140	223	268
Naphthalene	ug/kg	4	4	100%	24	91	41.5	49.5	30.6
Perylene	ug/kg	4	4	100%	44	270	68.0	113	106
Phenanthrene	ug/kg	4	4	100%	210	2000	285	695	871
Phenol	ug/kg	4	2	50%	45	60	52.5	52.5	10.6
Pyrene	ug/kg	4	4	100%	310	2200	440	848	905
Total HMW PAHs	ppb	4	4	100%	1900	13000	2600	5030	5340
Total LMW PAHs	ppb	4	4	100%	440	3000	480	1100	1270
TOTAL PAHs	ppb	4	4	100%	2300	16000	3050	6100	6620
TPH									
PHC AS GASOLINE	mg/kg	4	2	50%	0.3	2.6	1.45	1.45	1.63
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	4	4	100%	129	1230	244	462	515
Grain Size									
75000 um	% passing	4	4	100%	100	100	100	100	0
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	4	4	100%	100	100	100	100	0
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	4	4	100%	88.4	100	100	97.1	5.80
SIEVE NO. 4, PERCENT PASSING	% passing	4	4	100%	64.3	98.9	87.6	84.6	16.8
3.35 mm	% passing	4	4	100%	58.2	98.1	84.4	81.3	19.9
SIEVE, NO. 8, PERCENT PASSING	% passing	4	4	100%	53.1	97.4	81.1	78.2	22.5
SIEVE, NO. 16, PERCENT PASSING	% passing	4	4	100%	46.4	96	75.8	73.5	26.0
SIEVE, NO. 30, PERCENT PASSING	% passing	4	4	100%	34.7	92.8	68.3	66.0	31.0
0.3 mm	% passing	4	4	100%	14.3	77.8	47.1	46.6	30.6
SIEVE, NO. 100, PERCENT PASSING	% passing	4	4	100%	13.1	57.4	23.8	29.5	19.8
SIEVE NO. 200, PERCENT PASSING	% passing	4	4	100%	5.3	40.2	9.60	16.2	16.1
0.064 mm	% passing	4	4	100%	4.5	37	7.50	14.1	15.3
0.05 mm	% passing	4	4	100%	3.5	30	4.50	10.6	12.9
0.02 mm	% passing	4	4	100%	1.5	19.5	3.25	6.88	8.48
0.002 mm	% passing	4	3	75%	0.5	3	1.50	1.67	1.26
0.001 mm	% passing	4	2	50%	0.5	0.5	0.500	0.500	0
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	4	4	100%	0.5	7.5	1.75	2.88	3.20
Physical Properties[2]									
MOISTURE (WATER)CONTENT	%	4	4	100%	17.5	28.2	20.2	21.5	4.70
Oxidation Reduction Potential	mV	4	4	100%	141	257	167	183	53.1
Percent Moisture	%	4	4	100%	18.3	29.9	21.4	22.7	5.07
pH	pH Units	4	4	100%	7.74	7.88	7.81	7.81	0.0577

Table 3-24
Statistical Summary of Detected Analytes in the Central Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
TOC by Lloyd Kahn	mg/kg	4	4	100%	1190	12000	3980	5290	4800
Total Solids (Percent)	%	4	4	100%	72.1	78.2	77.4	76.3	2.81
Water Content	%	4	4	100%	21.2	39.3	25.4	27.8	8.01
Water Content ASTM D2216	%	4	4	100%	22.4	42.7	27.2	29.9	8.95
Miscellaneous Chemicals									
Phosphorus	mg/kg	4	4	100%	226	438	380	356	97.1
Total Kjeldahl Nitrogen (TKN)	mg/kg	4	3	75%	246	478	311	345	120
AVS/SEM									
Acid Volatile Sulfide (AVS)	umol/g	3	3	100%	2.2	4.6	3.00	3.27	1.22
Cadmium	umol/g	4	4	100%	0.000287	0.00771	0.00101	0.00250	0.00352
Copper	umol/g	4	4	100%	0.101	0.478	0.238	0.264	0.157
Lead	umol/g	4	4	100%	0.095	0.299	0.213	0.205	0.0937
Mercury	umol/g	4	1	25%	0.000138	0.00014	NA	NA	NA
Nickel	umol/g	4	4	100%	0.0451	0.197	0.100	0.111	0.0645
Zinc	umol/g	4	4	100%	0.657	1.25	0.713	0.833	0.282

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2]"Percent Moisture" and "Moisture (water) Content" were analyzed using USEPA Method 160.3 and "Water Content" and "Water Content ASTM D2216" were analyzed using ASTM D-2216. "Percent Moisture" and "Moisture (water) Content" determined by USEPA Method 160.3 are calculated as the weight of the dry sediment divided by the weight of the wet sediment; the maximum percent moisture is 100%. "Water Content" and "Water Content ASTM D2216" analyzed using ASTM D-2216 are calculated as the weight of the water divided by the weight of the dry sediment, which can result in moisture contents greater than 100%.

Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Field duplicate samples were averaged to create one result prior to statistical reporting. Additional details regarding field duplicate handling can be found in Section 3.0 of the report.
4. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
5. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
TEPH = total extractable petroleum hydrocarbons
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dioxins/Furans									
1,2,3,4,6,7,8-HpCDD	ng/kg	6	6	100%	21.3	1170	162	323	438
1,2,3,4,6,7,8-HpCDF	ng/kg	6	6	100%	10.3	823	66.4	243	335
1,2,3,4,7,8,9-HpCDF	ng/kg	6	6	100%	0.618	30.7	4.95	8.96	11.4
1,2,3,4,7,8-HxCDD	ng/kg	6	6	100%	0.299	12.4	1.90	3.56	4.60
1,2,3,4,7,8-HxCDF	ng/kg	4	4	100%	1.84	93.3	7.53	27.5	44.1
1,2,3,6,7,8-HxCDD	ng/kg	6	6	100%	1.15	49.8	8.82	15.1	18.4
1,2,3,6,7,8-HxCDF	ng/kg	6	6	100%	0.83	49.7	6.91	12.9	18.5
1,2,3,7,8,9-HxCDD	ng/kg	6	6	100%	0.764	27.4	4.52	8.08	10.1
1,2,3,7,8,9-HxCDF	ng/kg	6	3	50%	0.171	2.27	0.394	0.945	1.15
1,2,3,7,8-PeCDD	ng/kg	6	6	100%	0.274	13.8	2.49	4.03	5.06
1,2,3,7,8-PeCDF	ng/kg	6	6	100%	0.481	36.5	6.01	9.53	13.5
2,3,4,6,7,8-HxCDF	ng/kg	6	6	100%	0.783	38.3	4.98	10.4	14.3
2,3,4,7,8-PeCDF	ng/kg	6	6	100%	0.79	49	9.92	13.7	17.8
2,3,7,8-TCDD	ng/kg	6	6	100%	2.83	271	12.6	55.0	106
2,3,7,8-TCDF	ng/kg	6	6	100%	0.916	50.3	12.8	15.3	18.1
OCDD	ng/kg	4	4	100%	226	2230	573	900	929
OCDF	ng/kg	6	6	100%	16.4	732	134	258	293
Herbicides									
2,4,5-TP (Silvex)	ug/kg	6	1	17%	2.5	2.5	NA	NA	NA
2,4-D	ug/kg	6	1	17%	45	45	NA	NA	NA
Metals									
Aluminum	mg/kg	6	6	100%	5560	16300	8110	10100	4560
Antimony	mg/kg	6	6	100%	0.201	7.79	0.683	2.52	3.29
Arsenic	mg/kg	6	6	100%	4.26	115	9.26	35.6	46.2
Barium	mg/kg	6	6	100%	51.6	663	150	250	233
Beryllium	mg/kg	6	6	100%	0.314	3.12	0.562	1.03	1.06
Cadmium	mg/kg	6	6	100%	0.142	13.7	0.896	3.13	5.26
Calcium	mg/kg	6	6	100%	3000	12700	6230	7110	4070
Chromium	mg/kg	6	6	100%	18.1	276	46.1	94.8	101
Cobalt	mg/kg	6	6	100%	3.41	37.4	6.91	13.5	13.6
Copper	mg/kg	6	6	100%	14.5	443	133	198	192
Iron	mg/kg	6	6	100%	12700	148000	18200	49500	56000
Lead	mg/kg	6	6	100%	26.1	2190	96.0	601	894
Magnesium	mg/kg	6	6	100%	2460	9450	4960	5550	2770
Manganese	mg/kg	6	6	100%	87.2	579	192	289	206
Mercury	ng/g	6	6	100%	142	7390	1240	2040	2680
Methyl Mercury	ng/g	6	6	100%	0.446	11.9	1.17	2.80	4.48
Nickel	mg/kg	6	6	100%	10.3	124	21.7	50.2	50.0
Potassium	mg/kg	6	6	100%	1380	3310	1990	2090	737
Selenium	mg/kg	6	6	100%	0.141	3	0.874	1.28	1.21
Silver	mg/kg	6	6	100%	0.117	5.8	0.741	1.50	2.15
Sodium	mg/kg	6	6	100%	2790	13700	3940	6140	4440
Thallium	mg/kg	6	6	100%	0.0541	0.302	0.151	0.163	0.0839
Titanium	mg/kg	6	6	100%	169	448	376	336	104
Vanadium	mg/kg	6	6	100%	16.6	142	26.2	51.6	50.3
Zinc	mg/kg	6	6	100%	92.15	6810	224	1650	2690
TEPH Alkanes									
2,6,10,14-Tetramethyl Pentadecane	mg/kg	6	2	33%	0.134	0.26	0.197	0.197	0.0891
2,6,10,14-Tetramethylhexadecane	mg/kg	6	2	33%	0.0885	0.222	0.155	0.155	0.0944

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
Dotriacontane	mg/kg	6	5	83%	0.102	1.37	0.904	0.807	0.478
Heneicosane	mg/kg	6	5	83%	0.0205	0.378	0.175	0.162	0.147
Heptadecane	mg/kg	6	5	83%	0.0496	0.642	0.147	0.260	0.257
Heptatriacontane, -n	mg/kg	6	3	50%	0.04685	0.258	0.124	0.143	0.107
Hexatriacontane	mg/kg	6	1	17%	0.019	0.019	NA	NA	NA
Hhentriacontane	mg/kg	6	5	83%	0.0891	2.74	1.06	1.14	1.12
n-Docosane	mg/kg	6	2	33%	0.386	1.08	0.733	0.733	0.491
n-Dodecane	mg/kg	6	1	17%	0.0209	0.0209	NA	NA	NA
n-Eicosane	mg/kg	6	3	50%	0.0416	0.275	0.247	0.188	0.127
n-Hexadecane	mg/kg	6	5	83%	0.0252	0.442	0.347	0.254	0.207
n-Nonane	mg/kg	6	1	17%	0.0187	0.0187	NA	NA	NA
n-Octacosane	mg/kg	6	6	100%	0.101	4.25	2.03	2.10	1.83
n-Octadecane	mg/kg	6	3	50%	0.0208	0.293	0.117	0.144	0.138
Nonacosane	mg/kg	6	6	100%	0.0768	2.25	0.540	0.678	0.805
Nonadecane	mg/kg	6	3	50%	0.353	0.723	0.578	0.551	0.186
Nonatriacontane	mg/kg	6	4	67%	0.0267	0.382	0.216	0.210	0.147
n-Tetracosane	mg/kg	6	2	33%	0.0315	0.101	0.0663	0.0663	0.0491
n-Tetradecane	mg/kg	6	1	17%	0.0186	0.0186	NA	NA	NA
n-Triacontane	mg/kg	6	4	67%	0.0682	2.44	0.329	0.791	1.12
n-Tridecane	mg/kg	6	2	33%	0.0188	0.312	0.165	0.165	0.207
Pentacosane	mg/kg	6	2	33%	0.026	0.0472	0.0366	0.0366	0.0150
Pentadecane	mg/kg	6	5	83%	0.0347	0.708	0.237	0.314	0.258
Pentatriacontane	mg/kg	6	3	50%	0.0176	0.255	0.154	0.142	0.119
Tetracontane	mg/kg	6	5	83%	0.0244	0.403	0.253	0.220	0.183
Tetratriacontane	mg/kg	6	1	17%	0.166	0.166	NA	NA	NA
Tricosane	mg/kg	6	5	83%	0.04165	1.06	0.330	0.473	0.422
Tritriacontane	mg/kg	6	1	17%	1.04	1.04	NA	NA	NA
Butyltins									
Dibutyltin	ug/kg	6	4	67%	4.1	5.1	4.95	4.78	0.457
Tributyltin	ug/kg	6	2	33%	2.8	3.2	3.00	3.00	0.283
PCB Congeners									
PCB-1	ng/kg	6	6	100%	105	936	149	299	325
PCB-2	ng/kg	6	6	100%	23.2	212	47.9	83.3	75.4
PCB-3	ng/kg	6	6	100%	28.1	783	108	217	283
PCB-4	ng/kg	6	6	100%	299	17500	908	3580	6840
PCB-5	ng/kg	6	5	83%	3.53	150	29.1	45.0	59.8
PCB-6	ng/kg	6	6	100%	64.3	16900	193	3010	6810
PCB-7	ng/kg	6	2	33%	17.8	448	233	233	304
PCB-8	ng/kg	6	6	100%	199	15500	1060	3520	5950
PCB-9	ng/kg	6	6	100%	10.1	626	52.8	148	238
PCB-10	ng/kg	6	6	100%	20.7	558	45.8	133	210
PCB-11	ng/kg	6	6	100%	254	2930	874	1320	1210
PCB-12/13	ng/kg	6	6	100%	80.4	7580	275	1520	2980
PCB-15	ng/kg	6	6	100%	420	28300	1280	5970	11000
PCB-16	ng/kg	6	6	100%	161	12100	1700	3270	4570
PCB-17	ng/kg	6	6	100%	237	24600	1640	5410	9520
PCB-18/30	ng/kg	6	6	100%	399	40500	3210	9370	15600
PCB-19	ng/kg	6	6	100%	87.5	14300	570	2790	5650
PCB-20/28	ng/kg	6	6	100%	1290	204000	6200	40000	80700
PCB-21/33	ng/kg	6	6	100%	285	20400	2050	5320	7800

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-22	ng/kg	6	6	100%	299	48200	1870	9790	19000
PCB-23	ng/kg	6	3	50%	7.92	37.6	10.9	18.8	16.3
PCB-24	ng/kg	6	5	83%	4.17	428	17.3	110	182
PCB-25	ng/kg	6	6	100%	120	31500	492	5790	12600
PCB-26/29	ng/kg	6	6	100%	200.5	40100	875	7530	16000
PCB-27	ng/kg	6	6	100%	57.45	10900	357	2110	4320
PCB-31	ng/kg	6	6	100%	805	79500	4060	17500	30900
PCB-32	ng/kg	6	6	100%	193	28100	1220	5700	11000
PCB-34	ng/kg	6	6	100%	5.74	817	22.1	159	324
PCB-35	ng/kg	6	6	100%	32	3050	155	645	1190
PCB-36	ng/kg	6	3	50%	1.42	32.3	21.3	18.3	15.7
PCB-37	ng/kg	6	6	100%	409	55200	1450	10900	21800
PCB-38	ng/kg	6	2	33%	11.7	79.7	45.7	45.7	48.1
PCB-39	ng/kg	6	6	100%	6.685	772	31.5	166	302
PCB-40/71	ng/kg	6	6	100%	475.5	69200	2660	14900	27100
PCB-41	ng/kg	6	6	100%	55.3	7430	385	1790	2910
PCB-42	ng/kg	6	6	100%	341	47400	1820	10100	18500
PCB-43	ng/kg	6	6	100%	42.85	5190	241	1160	2020
PCB-44/47/65	ng/kg	6	6	100%	996.5	155000	5300	33100	60800
PCB-45	ng/kg	6	6	100%	110	19600	801	4270	7660
PCB-46	ng/kg	6	6	100%	43.95	7400	364	1710	2890
PCB-48	ng/kg	6	6	100%	176	20200	1000	4580	7860
PCB-49/69	ng/kg	6	6	100%	725.5	115000	3440	23900	45200
PCB-50/53	ng/kg	6	6	100%	122	22100	891	4840	8640
PCB-51	ng/kg	6	6	100%	45.95	5350	277	1260	2080
PCB-52	ng/kg	6	6	100%	1025	145000	5870	32700	56600
PCB-54	ng/kg	6	6	100%	5.885	581	26.9	127	226
PCB-55	ng/kg	6	6	100%	11.85	2210	53.0	446	873
PCB-56	ng/kg	6	6	100%	531.5	112000	2430	22700	44300
PCB-57	ng/kg	6	5	83%	6.405	889	27.3	209	383
PCB-58	ng/kg	6	5	83%	3.59	419	12.3	97.1	181
PCB-60	ng/kg	6	6	100%	222	46900	1060	9640	18500
PCB-61/70/74/76	ng/kg	6	6	100%	1805	290000	7900	61900	114000
PCB-62/75	ng/kg	6	6	100%	91.9	15300	535	3140	6010
PCB-63	ng/kg	6	6	100%	45.75	6840	179	1400	2690
PCB-64	ng/kg	6	6	100%	491.5	82800	2500	17200	32600
PCB-66	ng/kg	6	6	100%	1102.5	226000	4590	44900	89500
PCB-67	ng/kg	6	6	100%	34.35	5970	142	1190	2360
PCB-68	ng/kg	6	6	100%	8.085	817	27.3	171	320
PCB-72	ng/kg	6	6	100%	11.9	1370	42.0	281	538
PCB-73	ng/kg	6	3	50%	1.9	320	5.52	109	183
PCB-77	ng/kg	6	6	100%	180	26800	570	5430	10600
PCB-78	ng/kg	6	2	33%	2.16	34.4	18.3	18.3	22.8
PCB-79	ng/kg	6	6	100%	9.015	920	57.3	278	387
PCB-80	ng/kg	6	2	33%	29.6	313	171	171	200
PCB-81	ng/kg	6	5	83%	4.67	1020	26.6	237	441
PCB-82	ng/kg	6	6	100%	130.05	20200	918	5850	8530
PCB-83	ng/kg	6	6	100%	43.7	5230	338	1790	2450
PCB-84	ng/kg	6	6	100%	217	27600	1810	9200	12600
PCB-85/116/117	ng/kg	6	6	100%	201.5	28100	1230	7870	11600

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-86/87/97/109/119/125	ng/kg	6	6	100%	626	73600	4310	23800	33000
PCB-88	ng/kg	6	1	17%	3	3	NA	NA	NA
PCB-89	ng/kg	6	6	100%	13.05	2350	97.0	602	939
PCB-90/101/113	ng/kg	6	6	100%	850.5	74100	5760	24600	32700
PCB-91	ng/kg	6	6	100%	147	18400	1080	5340	7600
PCB-92	ng/kg	6	6	100%	144	13400	1010	4420	5910
PCB-93/100	ng/kg	6	6	100%	18.35	1370	108	366	532
PCB-94	ng/kg	6	6	100%	7.725	859	45.9	220	338
PCB-95	ng/kg	6	6	100%	747	67300	6750	25000	32200
PCB-96	ng/kg	6	6	100%	7.305	1220	52.7	303	483
PCB-98/102	ng/kg	6	6	100%	40.05	6030	282	1550	2400
PCB-99	ng/kg	6	6	100%	519	55100	3270	16200	22900
PCB-103	ng/kg	6	6	100%	10.64	732	62.9	203	285
PCB-104	ng/kg	6	4	67%	1.78	36.4	10.7	14.9	16.6
PCB-105	ng/kg	6	6	100%	388.5	55000	2050	15300	22900
PCB-107	ng/kg	6	6	100%	69.4	8010	375	2280	3330
PCB-108/124	ng/kg	6	6	100%	35.9	4450	215	1340	1910
PCB-110/115	ng/kg	6	6	100%	1126.5	118000	8560	41000	55200
PCB-111	ng/kg	6	1	17%	2.18	2.18	NA	NA	NA
PCB-112	ng/kg	6	4	67%	1.9	365	7.39	95.4	180
PCB-114	ng/kg	6	6	100%	25.05	3770	117	951	1510
PCB-118	ng/kg	6	6	100%	948.5	107000	5110	30900	44800
PCB-120	ng/kg	6	6	100%	3.225	181	15.3	52.1	71.9
PCB-122	ng/kg	6	6	100%	13.3	2350	80.0	587	939
PCB-123	ng/kg	6	6	100%	20	3390	114	822	1340
PCB-126	ng/kg	6	6	100%	4.66	547	20.6	168	243
PCB-127	ng/kg	6	6	100%	4.82	197	14.5	50.0	75.4
PCB-128/166	ng/kg	6	6	100%	127.5	20500	1210	5210	8040
PCB-129/138/163	ng/kg	6	6	100%	882	107000	9190	28800	41500
PCB-130	ng/kg	6	6	100%	44.1	6220	492	1730	2460
PCB-131	ng/kg	6	6	100%	10.425	1450	106	401	575
PCB-132	ng/kg	6	6	100%	251.5	37600	2860	9760	14600
PCB-133	ng/kg	6	6	100%	12.65	979	112	287	380
PCB-134	ng/kg	6	6	100%	46.15	5210	467	1450	2030
PCB-135/151	ng/kg	6	6	100%	223	21700	2650	6210	8280
PCB-136	ng/kg	6	6	100%	74.65	9450	866	2510	3630
PCB-137	ng/kg	6	6	100%	39.8	6250	374	1670	2490
PCB-139/140	ng/kg	6	6	100%	13.7	1690	120	460	667
PCB-141	ng/kg	6	6	100%	143	15600	1600	4210	5980
PCB-142	ng/kg	6	1	17%	17.4	17.4	NA	NA	NA
PCB-143	ng/kg	6	3	50%	15.8	212	143	124	99.5
PCB-144	ng/kg	6	6	100%	32.95	2430	355	787	956
PCB-145	ng/kg	6	3	50%	1.79	30.1	22.0	18.0	14.6
PCB-146	ng/kg	6	6	100%	129	9780	1070	2810	3770
PCB-147/149	ng/kg	6	6	100%	548.5	57600	6390	15900	21900
PCB-148	ng/kg	6	3	50%	5.77	70.5	40.9	39.1	32.4
PCB-150	ng/kg	6	6	100%	2.115	124	25.9	41.3	48.3
PCB-152	ng/kg	6	4	67%	1.92	60.4	26.0	28.6	30.3
PCB-153/168	ng/kg	6	6	100%	689.5	63700	7060	17800	24400
PCB-154	ng/kg	6	6	100%	11.9	732	162	248	286

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
PCB-155	ng/kg	6	6	100%	5.72	108	18.3	35.3	40.4
PCB-156/157	ng/kg	6	6	100%	106.15	11800	761	3430	4870
PCB-158	ng/kg	6	6	100%	82.25	9900	842	2750	3880
PCB-159	ng/kg	6	5	83%	6.78	547	38.9	150	228
PCB-162	ng/kg	6	5	83%	3.49	355	28.5	116	149
PCB-164	ng/kg	6	6	100%	53.15	5690	583	1610	2210
PCB-165	ng/kg	6	3	50%	1.34	20.9	15.0	12.4	10.0
PCB-167	ng/kg	6	6	100%	32.55	3050	266	939	1260
PCB-170	ng/kg	6	6	100%	201.5	17500	2930	5300	6650
PCB-171/173	ng/kg	6	6	100%	68.6	5000	797	1490	1890
PCB-172	ng/kg	6	6	100%	35.1	2770	494	870	1050
PCB-174	ng/kg	6	6	100%	197	16400	2780	4790	6140
PCB-175	ng/kg	6	6	100%	9.25	696	110	203	261
PCB-176	ng/kg	6	6	100%	22.25	1960	293	553	734
PCB-177	ng/kg	6	6	100%	135	8830	1600	2690	3310
PCB-178	ng/kg	6	6	100%	43.7	3130	538	932	1170
PCB-179	ng/kg	6	6	100%	74.1	6320	984	1790	2360
PCB-180/193	ng/kg	6	6	100%	460	37400	6560	11300	14100
PCB-181	ng/kg	6	5	83%	2.3	193	20.4	65.1	80.3
PCB-182	ng/kg	6	5	83%	1.33	122	5.52	33.2	51.5
PCB-183/185	ng/kg	6	6	100%	134.5	11700	1940	3450	4390
PCB-184	ng/kg	6	1	17%	20.5	20.5	NA	NA	NA
PCB-187	ng/kg	6	6	100%	295	22300	3750	6480	8330
PCB-188	ng/kg	6	3	50%	2.29	42.5	2.75	15.8	23.1
PCB-189	ng/kg	6	6	100%	9.2	594	91.2	196	238
PCB-190	ng/kg	6	6	100%	42.1	3300	580	1030	1260
PCB-191	ng/kg	6	6	100%	8	600	113	191	228
PCB-194	ng/kg	6	6	100%	110.7	8140	1270	2430	3090
PCB-195	ng/kg	6	6	100%	37.45	3290	528	970	1240
PCB-196	ng/kg	6	6	100%	57.35	4800	734	1400	1820
PCB-197/200	ng/kg	6	6	100%	17.9	1440	232	423	542
PCB-198/199	ng/kg	6	6	100%	161	10700	1820	3250	4040
PCB-201	ng/kg	6	6	100%	17.75	1210	188	358	456
PCB-202	ng/kg	6	6	100%	48.8	1940	348	594	717
PCB-203	ng/kg	6	6	100%	99.15	6180	1070	1900	2340
PCB-205	ng/kg	6	6	100%	5.29	382	67.5	120	146
PCB-206	ng/kg	6	6	100%	123	3460	786	1170	1270
PCB-207	ng/kg	6	6	100%	10.69	360	79.9	120	132
PCB-208	ng/kg	6	6	100%	47.05	881	256	321	314
PCB-209	ng/kg	6	6	100%	101.95	4740	555	1150	1780
Total PCB Congeners (209)	ng/kg	6	6	100%	27700	3090000	187000	836000	1230000
Aroclor PCBs									
Aroclor-1248	ug/kg	6	5	83%	27.5	1200	200	355	483
Aroclor-1254	ug/kg	6	4	67%	20	220	104	112	103
Aroclor-1260	ug/kg	6	2	33%	70	140	105	105	49.5
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	6	6	100%	28	1200	370	406	426
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	6	6	100%	28	1200	370	406	426
Pesticides									
2,4'-DDD	pg/g	6	6	100%	1020	64100	19900	28100	28600
2,4'-DDE	pg/g	6	6	100%	614	54100	10800	14900	19800

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
2,4'-DDT	pg/g	6	4	67%	179	21700	4300	7620	10000
4,4'-DDD	pg/g	6	6	100%	2290	176000	68700	79400	73900
4,4'-DDE	pg/g	6	6	100%	2050	190000	36800	54900	69800
4,4'-DDT	pg/g	6	6	100%	405.5	63800	3680	21000	29400
Alpha-BHC	pg/g	6	5	83%	19.1	596	38.7	162	246
Alpha-Chlordane	pg/g	6	6	100%	237	9290	3070	3530	3450
Beta-BHC	pg/g	6	3	50%	183	707	280	390	279
cis-Nonachlor	pg/g	6	6	100%	82.2	2540	701	851	912
Dieldrin	pg/g	6	6	100%	120	20900	1270	4560	8110
Endosulfan II	pg/g	6	2	33%	233	297	265	265	45.3
Gamma-BHC (Lindane)	pg/g	6	2	33%	39.5	217	128	128	126
Heptachlor	pg/g	6	1	17%	29.5	29.5	NA	NA	NA
Heptachlor Epoxide	pg/g	6	4	67%	80.7	1170	453	539	479
Hexachlorobenzene	pg/g	6	6	100%	168.5	24800	1820	5530	9560
Nonachlor, trans-	pg/g	6	5	83%	151.5	4550	2570	2240	1670
trans-Chlordane	pg/g	6	6	100%	264	12700	2940	4000	4620
trans-Heptachlor Epoxide	pg/g	6	2	33%	79.5	1080	580	580	707
Total Alpha + Gamma Chlordane	ppb	6	6	100%	0.5	22	6.05	7.52	8.02
Total DDT (2,4)	ppb	6	6	100%	1.6	140	31.5	48.4	53.8
Total DDT (4,4)	ppb	6	6	100%	6	400	105	154	161
Total DDT (2,4 & 4,4)	ppb	6	6	100%	7.6	540	140	203	213
Semivolatiles									
1-Methylnaphthalene	ug/kg	6	6	100%	5	280	125	137	131
2-Methylnaphthalene	ug/kg	6	6	100%	6	520	157	188	197
4-Chloroaniline	ug/kg	6	1	17%	89	89	NA	NA	NA
4-Methylphenol	ug/kg	6	5	83%	31	190	100	112	60.8
Acenaphthene	ug/kg	6	6	100%	6	830	115	263	332
Acenaphthylene	ug/kg	6	6	100%	13	900	125	226	336
Acetophenone	ug/kg	6	4	67%	22	470	53.5	150	214
Anthracene	ug/kg	6	6	100%	18	8100	375	1690	3170
Benzaldehyde	ug/kg	6	2	33%	180	210	195	195	21.2
Benzo(a)anthracene	ug/kg	6	6	100%	51	4200	1350	1710	1670
Benzo(a)pyrene	ug/kg	6	6	100%	70	9100	1350	2480	3390
Benzo(b)fluoranthene	ug/kg	6	6	100%	83	8100	1400	2430	3030
Benzo(e)pyrene	ug/kg	6	6	100%	12	1900	498	694	756
Benzo(g,h,i)perylene	ug/kg	6	6	100%	56	5300	850	1470	1960
Benzo(j,k)fluoranthene	ug/kg	6	6	100%	55	7800	1070	2040	2920
Benzoic Acid	ug/kg	6	2	33%	440	720	580	580	198
Biphenyl	ug/kg	6	4	67%	65	160	66.5	89.5	47.0
bis(2-Ethylhexyl)phthalate	ug/kg	6	6	100%	129.5	3200	950	1110	1150
Butyl benzyl phthalate	ug/kg	6	1	17%	140	140	NA	NA	NA
C1-Chrysenes	ug/kg	6	6	100%	60	4200	885	1320	1510
C1-Fluoranthenes/Pyrenes	ug/kg	6	6	100%	74	7600	1150	2180	2840
C1-Fluorenes	ug/kg	6	6	100%	7	380	99.0	149	152
C1-Naphthalenes	ug/kg	6	6	100%	9	540	196	217	214
C1-Phenanthrenes/Anthracenes	ug/kg	6	6	100%	29	2500	795	1070	1050
C2-Chrysenes	ug/kg	6	6	100%	47	2300	445	687	818
C2-Fluoranthenes/Pyrenes	ug/kg	6	6	100%	59	4000	705	1140	1470
C2-Fluorenes	ug/kg	6	6	100%	8	380	134	151	141
C2-Naphthalenes	ug/kg	6	6	100%	10	530	220	239	216

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
C2-Phenanthrene/anthracenes	ug/kg	6	6	100%	36	1700	610	723	665
C3-Chrysenes	ug/kg	6	6	100%	25	1200	205	331	434
C3-Fluoranthenes/Pyrenes	ug/kg	6	6	100%	43	2300	365	617	845
C3-Naphthalene	ug/kg	6	6	100%	10	410	235	216	182
C3-Phenanthrene/anthracenes	ug/kg	6	6	100%	33	1300	340	437	467
C4-Chrysenes	ug/kg	6	2	33%	2	27	14.5	14.5	17.7
C4-Naphthalene	ug/kg	6	6	100%	14	380	160	176	152
Carbazole	ug/kg	6	5	83%	28	4600	400	1120	1950
Chrysene	ug/kg	6	6	100%	65	5200	1450	1940	1990
Dibenzo(a,h)anthracene	ug/kg	6	6	100%	14	1400	245	424	518
Dibenzofuran	ug/kg	6	5	83%	25	970	290	349	368
Fluoranthene	ug/kg	6	6	100%	84	10000	2550	4010	4300
Fluorene	ug/kg	6	6	100%	7	1200	140	340	464
Indeno(1,2,3-cd)pyrene	ug/kg	6	6	100%	57	4900	1020	1440	1790
Naphthalene	ug/kg	6	6	100%	10	670	225	268	258
Perylene	ug/kg	6	6	100%	22	1800	295	530	671
Phenanthrene	ug/kg	6	6	100%	36	7500	1600	2760	3110
Phenol	ug/kg	6	2	33%	82	150	116	116	48.1
Pyrene	ug/kg	6	6	100%	83	10000	2400	3430	3780
Total HMW PAHs	ppb	6	6	100%	620	66000	14000	21500	24800
Total LMW PAHs	ppb	6	6	100%	96	20000	2800	5790	7640
TOTAL PAHs	ppb	6	6	100%	710	86000	16500	27100	32400
TPH									
PHC AS GASOLINE	mg/kg	6	3	50%	2.3	37	12.0	17.1	17.9
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	6	6	100%	53.7	1120	458	455	396
Grain Size									
75000 um	% passing	6	6	100%	100	100	100	100	0
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	6	6	100%	100	100	100	100	0
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	6	6	100%	94.7	100	100	99.0	2.13
SIEVE NO. 4, PERCENT PASSING	% passing	6	6	100%	86.65	96.8	91.6	91.3	3.72
3.35 mm	% passing	6	6	100%	83.3	96.5	87.6	89.1	4.79
SIEVE, NO. 8, PERCENT PASSING	% passing	6	6	100%	76.8	93	83.8	84.3	6.65
SIEVE, NO. 16, PERCENT PASSING	% passing	6	6	100%	68	88.5	79.2	78.5	7.99
SIEVE, NO. 30, PERCENT PASSING	% passing	6	6	100%	56.1	83.5	70.2	71.0	10.9
0.3 mm	% passing	6	6	100%	40.4	76.3	56.5	57.2	12.1
SIEVE, NO. 100, PERCENT PASSING	% passing	6	6	100%	20.2	55.9	36.4	37.6	12.6
SIEVE NO. 200, PERCENT PASSING	% passing	6	6	100%	6.9	51.3	23.5	24.0	16.2
0.064 mm	% passing	6	6	100%	5.0	50	21.5	21.8	16.3
0.05 mm	% passing	6	6	100%	3.0	48	18.3	18.5	16.2
0.02 mm	% passing	6	6	100%	1.0	39	8.50	12.0	14.1
0.002 mm	% passing	6	5	83%	0.5	9	2.00	3.90	3.85
0.001 mm	% passing	6	5	83%	0.5	5	1.00	2.50	2.29
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	6	5	83%	1.0	16	4.00	6.20	6.38
Physical Properties[2]									
MOISTURE (WATER)CONTENT	%	6	6	100%	25.35	68.6	27.2	37.8	18.3
Oxidation Reduction Potential	mV	6	6	100%	12	217	57.3	76.9	74.6
Percent Moisture	%	6	6	100%	19.4	52.9	32.9	34.8	13.8
pH	pH Units	6	6	100%	6.73	7.94	7.73	7.58	0.464

Table 3-25
Statistical Summary of Detected Analytes in the South Zone - Sediment

Analyte	Units	Number of Valid Results[1]	Number of Detects	Detection Frequency	Minimum Detect	Maximum Detect	Median Value	Mean of Detects	Standard Deviation
TOC by Lloyd Kahn	mg/kg	6	6	100%	1160	48500	19000	21500	17000
Total Solids (Percent)	%	6	6	100%	47.6	79.1	67.6	66.7	11.9
Water Content	%	6	6	100%	34.3	218	37.3	78.6	74.3
Water Content ASTM D2216	%	6	6	100%	24.1	112	49.0	59.6	36.4
Miscellaneous Chemicals									
Ammonia Nitrogen	mg/kg	6	1	17%	241	241	NA	NA	NA
Phosphorus	mg/kg	6	6	100%	155	1500	443	698	548
Total Cyanide	mg/kg	6	1	17%	0.72	0.72	NA	NA	NA
Total Kjeldahl Nitrogen (TKN)	mg/kg	6	5	83%	74.3	3750	778	1180	1510
AVS/SEM									
Acid Volatile Sulfide (AVS)	umol/g	6	6	100%	3.2	13	4.68	6.06	3.57
Cadmium	umol/g	6	6	100%	0.000957	0.0189	0.00274	0.00506	0.00683
Copper	umol/g	6	6	100%	0.0636	1.4	0.211	0.556	0.634
Lead	umol/g	6	6	100%	0.0557	1.61	0.180	0.593	0.730
Nickel	umol/g	6	6	100%	0.0177	0.291	0.0472	0.0937	0.105
Zinc	umol/g	6	6	100%	0.378	10.4	1.25	3.82	4.66

Footnotes:
[1]Only valid results were used in the statistical analyses. Valid results consist of data that were not rejected by the data validator.
[2]"Percent Moisture" and "Moisture (water) Content" were analyzed using USEPA Method 160.3 and "Water Content" and "Water Content ASTM D2216" were analyzed using ASTM D-2216. "Percent Moisture" and "Moisture (water) Content" determined by USEPA Method 160.3 are calculated as the weight of the dry sediment divided by the weight of the wet sediment; the maximum percent moisture is 100%. "Water Content" and "Water Content ASTM D2216" analyzed using ASTM D-2216 are calculated as the weight of the water divided by the weight of the dry sediment, which can result in moisture contents greater than 100%.

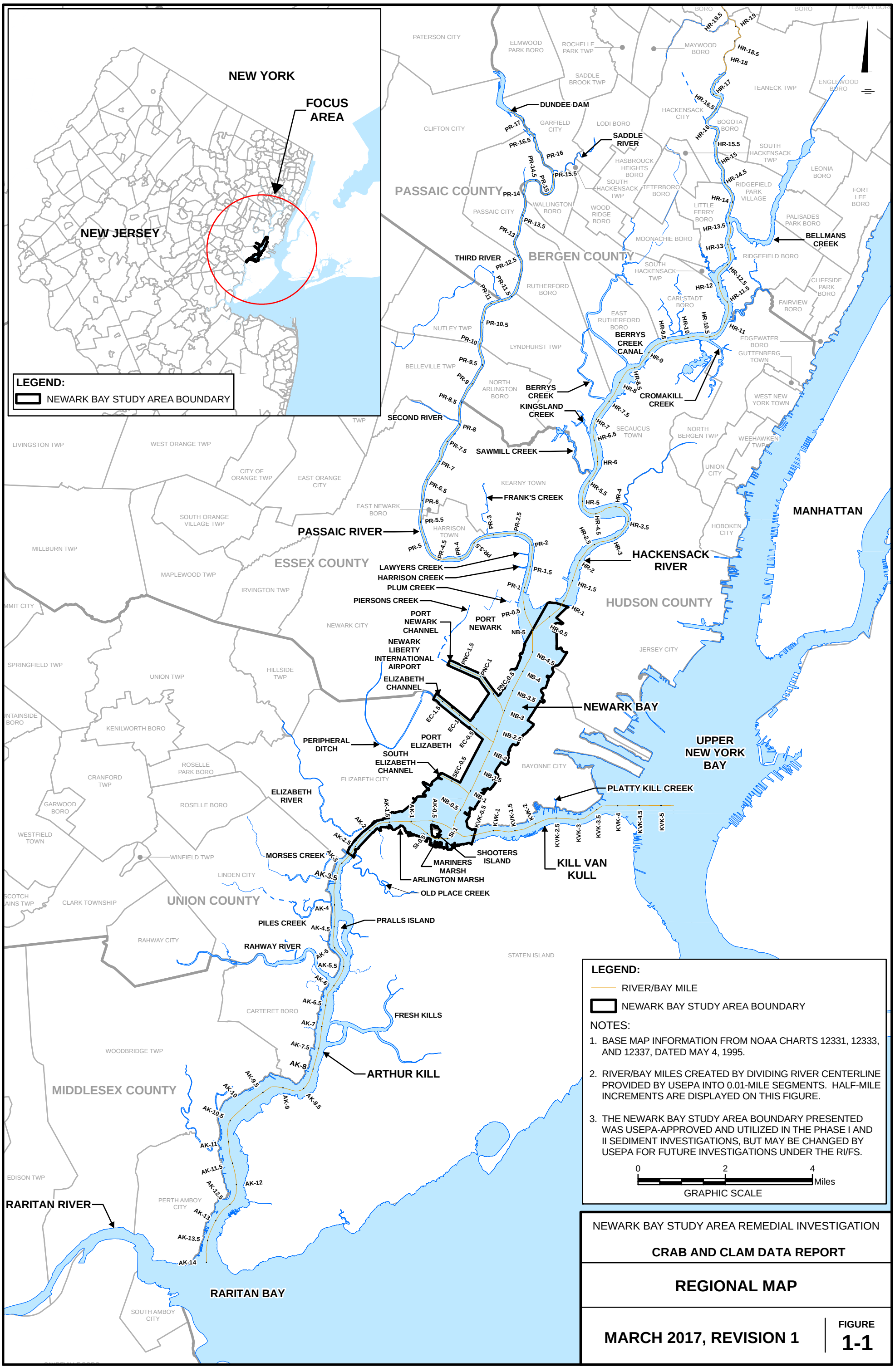
Notes:
1. Only detected values (after data validation) were included in the calculation of totals.
2. Non-detect ("U" qualified) data were excluded from the statistical analysis.
3. Field duplicate samples were averaged to create one result prior to statistical reporting. Additional details regarding field duplicate handling can be found in Section 3.0 of the report.
4. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
5. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
TEPH = total extractable petroleum hydrocarbons
NA = not applicable

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Figures

CITY: CITRIX DIV/GROUP: IMDV Created By: K. Sinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00002)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\NBRegionalMap.mxd 2/21/2017 2:25:40 PM



NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

REGIONAL MAP

MARCH 2017, REVISION 1

FIGURE 1-1

CITY: SYR DIV/GROUP: IMDV Created By: K. Sinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00002)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\RegionalFeatures.mxd 2/22/2017 1:52:13 PM

LEGEND:

- NAVIGATION CHANNEL
- REACH BOUNDARY
- NEWARK BAY STUDY AREA BOUNDARY

NOTES:

1. AERIAL PHOTOS DATED 2015 (ESRI CLOUD IMAGERY)
2. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83
3. REACH BOUNDARIES DIGITIZED FROM NOAA NAUTICAL CHARTS 12337 22nd ED., NOVEMBER 15, 1997 AND 12333 32nd ED., OCTOBER 2002.

0 1 2 Miles

GRAPHIC SCALE

SAMPLE PROCESSING AREA
ROUTE 1 & 9 BRIDGE
PASSAIC RIVER YACHT CLUB
POINT NO POINT REACH
HACKENSACK RIVER
KEARNY POINT
PASSAIC RIVER
CONRAIL BRIDGE REMNANTS
CONRAIL BRIDGE REMNANTS
KEARNY POINT REACH
DROYERS POINT REACH
PIERSONS CREEK
LIGHT "5"
LIGHT "NB"
DROYERS POINT
TURNING BASIN
LOWER PASSAIC RIVER RESTORATION PROJECT (LPRRP) DOWNSTREAM BOUNDARY
NEWARK LIBERTY INTERNATIONAL AIRPORT
PORT NEWARK CHANNEL
PORT NEWARK INSHORE CHANNEL
NEWARK BAY NORTH REACH
JERSEY CITY
ELIZABETH CHANNEL
PORT NEWARK
PORT NEWARK PIERHEAD CHANNEL
NEWARK BAY BRIDGE
PORT ELIZABETH INSHORE CHANNEL
NEWARK BAY CDF (CELL 1S)
NEWARK
NEWARK BAY
PORT NEWARK BRANCH CHANNEL
NEWARK BAY MIDDLE REACH
PORT ELIZABETH BRANCH CHANNEL
PERIPHERAL DITCH
PORT ELIZABETH
PORT ELIZABETH PIERHEAD CHANNEL
SOUTH ELIZABETH CHANNEL
ELIZABETH
BAYONNE
NEWARK BAY SOUTH REACH
ELIZABETH RIVER
BAYONNE BRIDGE
NORTH OF SHOOTERS ISLAND REACH
ELIZABETHPORT REACH
BERGEN POINT EAST REACH
BERGEN POINT WEST REACH
SHOOTERS ISLAND
SOUTH OF SHOOTERS ISLAND REACH
KILL VAN KULL
PORT RICHMOND
HOWLAND HOOK
PORT IVORY
MARINERS HARBOR
GOETHALS BRIDGE
GULFPORT REACH
ARTHUR KILL
STATEN ISLAND
PRALLS ISLAND

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

REGIONAL FEATURES

MARCH 2017, REVISION 1

FIGURE **1-2**

City: CITRIX Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0047.00001)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Overall Crab Clam Sediment Sampling Locations.mxd 2/21/2017 4:43:46 PM

LEGEND:

- CLAM AND SEDIMENT SAMPLING LOCATION
- INTERTIDAL CRAB SAMPLING LOCATION
- CRAB ZONE SAMPLING LOCATION
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

SHOOTERS ISLAND

KILL VAN KULL

122B 122C 122A 122

133 133

123A 123B 123

132A 132B 132

124 124

125 125

126

131B 131A 131

127A 127 127B

130 130

135

134 134

129 129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

CRAB, CLAM, AND SEDIMENT SAMPLING LOCATIONS

MARCH 2017, REVISION 1

FIGURE 2-1

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - 2,3,7,8-TCDD.mxd 2/21/2017 2:23:33 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

2,3,7,8-TCDD RESULTS (PPT)

- ND
- 0.01 - 20
- > 20 - 40
- > 40 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY

NEWARK BAY SOUTH

KILL VAN KULL

SHOOTERS ISLAND

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

122 133 123 132 124 125 126 127 131 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   TCDD = TETRACHLORODIBENZO-P-DIOXIN
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

2,3,7,8-TCDD IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-1

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - Copper.mxd 2/21/2017 4:30:41 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

COPPER RESULTS (PPM)

- ND
- 0.01 - 20
- > 20 - 40
- > 40 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

131

NEWARK BAY

127

130

NEWARK BAY SOUTH

KILL VAN KULL

134

129

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

COPPER IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-2

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - Lead.mxd 2/21/2017 4:31:34 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

LEAD RESULTS (PPM)

- ND
- 0.01 - 0.2
- > 0.2 - 0.4
- > 0.4 - 0.6
- > 0.6 - 0.8
- > 0.8 - 1.0
- > 1.2

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY

KILL VAN KULL

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

SHOOTERS ISLAND

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

122 133 123 132 124 125 126 131 127 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

LEAD IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-3**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - Mercury.mxd 2/21/2017 4:32:16 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

MERCURY RESULTS (PPM)

- ND
- 0.001 - 0.02
- > 0.02 - 0.04
- > 0.04 - 0.06
- > 0.06 - 0.08
- > 0.08 - 0.10
- > 0.10 - 0.12
- > 0.12

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY

NEWARK BAY SOUTH

KILL VAN KULL

SHOOTERS ISLAND

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

122 133 123 132 124 125 126 127 131 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

MERCURY IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-4

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - TotalHMWPAHs.mxd 2/21/2017 2:57:08 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL HMW PAH RESULTS (PPB)

- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 20
- > 20 - 30
- > 30 - 40
- > 40 - 50
- > 50

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

NEWARK BAY

KILL VAN KULL

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

SHOOTERS ISLAND

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

122 123 124 125 126 127 129 130 131 132 133 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL HMW PAHS IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-5

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - TotalLMWPAHs.mxd 2/21/2017 2:59:08 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL LMW PAH RESULTS (PPB)

- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 20
- > 20 - 30
- > 30 - 40
- > 40 - 50
- > 50

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

SHOOTERS ISLAND

122 133 123 132 124 125 126 131 127 130 129 134

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL LMW PAHS IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-6**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - TotalPAHs.mxd 2/21/2017 3:01:54 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL PAH RESULTS (PPB)

- ND
- 0.01 - 20
- > 20 - 40
- > 40 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NEWARK BAY

131

127

130

NEWARK BAY SOUTH

KILL VAN KULL

129

134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PAHS IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-7

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - TotalDDT.mxd 2/21/2017 2:58:59 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL DDT (4,4) (PPB)

- ND
- 0.01 - 100
- > 100 - 200
- > 200 - 300
- > 300 - 400
- > 400 - 500
- > 500 - 600
- > 600

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

NEWARK BAY SOUTH

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY

KILL VAN KULL

SHOOTERS ISLAND

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

122 133 123 132 124 125 126 131 127 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   DDT = DICHLORODIPHENYL - TRICHLOROETHANE
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL DDT (4,4) IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-8**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabHepatopancreasTissue - TotalCongeners.mxd 2/21/2017 2:58:07 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL PCB CONGENERS (209) (PPT)

- ND
- 0.01 - 1,000,000
- > 1,000,000 - 1,200,000
- > 1,200,000 - 1,400,000
- > 1,400,000 - 1,600,000
- > 1,600,000 - 1,800,000
- > 1,800,000 - 2,000,000
- > 2,000,000

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY SOUTH

NEWARK BAY CENTRAL

NEWARK BAY NORTH

NEWARK BAY

KILL VAN KULL

SHOOTERS ISLAND

122 123 124 125 126 127 129 130 131 132 133 134

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   PCB = POLYCHLORINATED BIPHENYL
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PCB CONGENERS (209) IN CRAB HEPATOPANCREAS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-9**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - 2,3,7,8-TCDD.mxd 2/21/2017 4:32:57 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

2,3,7,8-TCDD RESULTS (PPT)

- NA
- ND
- 0.01 - 1.0
- > 1.0 - 2.0
- > 2.0 - 3.0
- > 3.0 - 4.0
- > 4.0 - 5.0
- > 5.0 - 6.0
- > 6.0

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

124

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

NEWARK BAY

131

127

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

130

NEWARK BAY SOUTH

KILL VAN KULL

134

129

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   TCDD = TETRACHLORODIBENZO-P-DIOXIN
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

2,3,7,8-TCDD IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-10

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - Copper.mxd 2/21/2017 3:06:40 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

COPPER RESULTS (PPM)

- NA
- ND
- 0.01 - 20
- > 20 - 40
- > 40 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NEWARK BAY

131

127

130

NEWARK BAY SOUTH

KILL VAN KULL

129

134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

COPPER IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-11

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - Lead.mxd 2/21/2017 4:33:55 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

LEAD RESULTS (PPM)

- NA
- ND
- 0.01 - 0.02
- > 0.02 - 0.04
- > 0.04 - 0.06
- > 0.06 - 0.08
- > 0.08 - 0.10
- > 0.10 - 0.12
- > 0.12

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NEWARK BAY

131

127

130

NEWARK BAY SOUTH

KILL VAN KULL

129

134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

LEAD IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-12

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - Mercury.mxd 2/21/2017 4:33:57 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

MERCURY RESULTS (PPM)

- NA
- ND
- 0.001 - 0.12
- > 0.12 - 0.14
- > 0.14 - 0.16
- > 0.16 - 0.18
- > 0.18 - 0.20
- > 0.20 - 0.22
- > 0.22

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NEWARK BAY SOUTH

SHOOTERS ISLAND

NEWARK BAY CENTRAL

NEWARK BAY NORTH

NEWARK BAY

KILL VAN KULL

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

122 133 123 132 124 125 126 131 127 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

MERCURY IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-13

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - TotalHMWPAHs.mxd 2/21/2017 3:18:29 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL HMW PAH RESULTS (PPB)

- NA
- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 15
- > 15 - 20
- > 20 - 25
- > 25 - 30
- > 30

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

NEWARK BAY NORTH

122
133
123
132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

124
125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

126

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY

131
127

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

130

NEWARK BAY SOUTH

KILL VAN KULL

129
134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL HMW PAHS IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-14

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - TotalLMWPAHs.mxd 2/21/2017 3:20:46 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL LMW PAH RESULTS (PPB)

- NA
- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 15
- > 15 - 20
- > 20 - 25
- > 25 - 30
- > 30

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
NEWARK BAY
KILL VAN KULL
SHOOTERS ISLAND

NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH

122
133
123
132
124
125
126
127
131
130
129
134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL LMW PAHS IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-15

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - TotalPAHs.mxd 2/21/2017 3:22:50 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL PAH RESULTS (PPB)

- NA
- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 15
- > 15 - 20
- > 20 - 25
- > 25 - 30
- > 30

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122
133
123
NEWARK BAY NORTH
132
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
124
NEWARK BAY CENTRAL
125
Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
126
NEWARK BAY
131
127
Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009
130
NEWARK BAY SOUTH
KILL VAN KULL
129
134
SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PAHS IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-16

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - TotalDDT.mxd 2/21/2017 3:16:03 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL DDT (4,4) (PPB)

- NA
- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 15
- > 15 - 20
- > 20 - 25
- > 25 - 30
- > 30

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

NEWARK BAY

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

131

127

130

NEWARK BAY SOUTH

KILL VAN KULL

129

134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   DDT = DICHLORODIPHENYL - TRICHLOROETHANE
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL DDT (4,4) IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-17

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabEdibleMuscle - TotalCongeners.mxd 2/21/2017 3:13:48 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL PCB CONGENERS (209) (PPT)

- NA
- ND
- 0.01 - 10,000
- > 10,000 - 20,000
- > 20,000 - 30,000
- > 30,000 - 40,000
- > 40,000 - 50,000
- > 50,000 - 60,000
- > 60,000

NAVIGATION CHANNEL

SHORELINE

UNDERGROUND TRIBUTARY

NEWARK BAY STUDY AREA BOUNDARY

GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

KILL VAN KULL

SHOOTERS ISLAND

122 133 123 132 124 125 126 127 131 130 129 134

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   PCB = POLYCHLORINATED BIPHENYL
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PCB CONGENERS (209) IN CRAB EDIBLE MUSCLE TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-18

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - 2,3,7,8-TCDD.mxd 2/21/2017 4:36:42 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

2,3,7,8-TCDD RESULTS (PPT)

- ND
- 0.01 - 10.0
- > 10.0 - 15.0
- > 15.0 - 20.0
- > 20.0 - 25.0
- > 25.0 - 30.0
- > 30.0 - 35.0
- > 35.0

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

NEWARK BAY

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

131

127

130

NEWARK BAY SOUTH

KILL VAN KULL

134

129

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   TCDD = TETRACHLORODIBENZO-P-DIOXIN
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

2,3,7,8-TCDD IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-19**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - Copper.mxd 2/21/2017 4:37:47 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

COPPER RESULTS (PPM)

- ND
- 0.01 - 10.0
- > 10.0 - 20.0
- > 20.0 - 30.0
- > 30.0 - 40.0
- > 40.0 - 50.0
- > 50.0 - 60.0
- > 60.0

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NEWARK BAY SOUTH

NEWARK BAY NORTH

NEWARK BAY CENTRAL

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

NEWARK BAY

KILL VAN KULL

SHOOTERS ISLAND

122 133 123 132 124 125 126 127 131 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

COPPER IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-20

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - Lead.mxd 2/21/2017 4:37:49 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

LEAD RESULTS (PPM)

- ND
- 0.01 - 1.0
- > 1.0 - 1.5
- > 1.5 - 2.0
- > 2.0 - 2.5
- > 2.5 - 3.0
- > 3.0 - 3.5
- > 3.5

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

SHOOTERS ISLAND

122 133 123 132 124 125 126 127 131 130 129 134

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

LEAD IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-21**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - Mercury.mxd 2/21/2017 4:38:24 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

MERCURY RESULTS (PPM)

- ND
- 0.01 - 0.10
- > 0.1.0 - 0.11
- > 0.11 - 0.12
- > 0.12 - 0.13
- > 0.13 - 0.14
- > 0.14 - 0.15
- > 0.15

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

SHOOTERS ISLAND

122 133 123 132 124 125 126 127 131 130 129 134

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

MERCURY IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-22

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - TotalHMWPAHs.mxd 2/21/2017 3:37:37 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL HMW PAH RESULTS (PPB)

- ND
- 0.01 - 20
- > 20 - 40
- > 40 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122
133
123
NEWARK BAY NORTH
132
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
124
NEWARK BAY CDF (CELL 1S)
NEWARK BAY CENTRAL
125
Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
126
NEWARK BAY
131
127
Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009
130
NEWARK BAY SOUTH
KILL VAN KULL
129
134
SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL HMW PAHS IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-23

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - TotalLMWPAHs.mxd 2/21/2017 3:39:36 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL LMW PAH RESULTS (PPB)

- ND
- 0.01 - 10.0
- > 10.0 - 20.0
- > 20.0 - 30.0
- > 30.0 - 40.0
- > 40.0 - 50.0
- > 50.0 - 60.0
- > 60.0

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

NEWARK BAY

131

127

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

130

NEWARK BAY SOUTH

KILL VAN KULL

134

129

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL LMW PAHS IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-24

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - TotalPAHs.mxd 2/21/2017 3:42:29 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL PAH RESULTS (PPB)

- ND
- 0.01 - 20
- > 20 - 40
- > 40 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

NEWARK BAY NORTH

122
133
123
132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

124
125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

126

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY

131
127

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

130

NEWARK BAY SOUTH

KILL VAN KULL

129
134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PAHS IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-25

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - TotalDDT.mxd 2/21/2017 3:35:47 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL DDT (4,4) (PPB)

- ND
- 0.01 - 60
- > 60 - 80
- > 80 - 100
- > 100 - 120
- > 120 - 140
- > 140 - 160
- > 160

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122

133

123

NEWARK BAY NORTH

132

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

124

NEWARK BAY CDF (CELL 1S)

NEWARK BAY CENTRAL

125

Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

126

Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009

131

NEWARK BAY

127

130

NEWARK BAY SOUTH

KILL VAN KULL

129

134

SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   DDT = DICHLORODIPHENYL - TRICHLOROETHANE
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL DDT (4,4) IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-26

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\CrabCarcassTissue - TotalCongeners.mxd 2/21/2017 3:33:50 PM

LEGEND:

CRAB ZONE SAMPLING LOCATION

TOTAL PCB CONGENERS (209) (PPT)

- ND
- 0.01 - 250,000
- > 250,000 - 300,000
- > 300,000 - 350,000
- > 350,000 - 400,000
- > 400,000 - 450,000
- > 450,000 - 500,000
- > 500,000

NAVIGATION CHANNEL
SHORELINE
UNDERGROUND TRIBUTARY
NEWARK BAY STUDY AREA BOUNDARY
GEOGRAPHIC ZONE BOUNDARY

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

SAMPLE NAME

ROW COLOR-CODING BASED ON REPORTED CONCENTRATION (SEE RANGES IN LEGEND)

PIERSONS CREEK

PORT NEWARK CHANNEL

Zone Sample ID
N001
N002
N003
N004
N005
N006
N007
N008

122
133
123
NEWARK BAY NORTH
132
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
124
NEWARK BAY CDF (CELL 1S)
NEWARK BAY CENTRAL
125
Zone Sample ID
C001
C002
C003
C004
C005
C006
C007
C008
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
126
NEWARK BAY
131
127
Zone Sample ID
S001
S002
S003
S004
S005
S006
S007
S008
S009
130
NEWARK BAY SOUTH
KILL VAN KULL
129
134
SHOOTERS ISLAND

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TILLION
   PCB = POLYCHLORINATED BIPHENYL
4. THE GRAY SQUARES REPRESENT LOCATIONS WHERE CRAB TRAPS WERE PLACED FOR THE COLLECTION OF CRABS FOR THE ZONE SAMPLES. THE COMPOSITE CRAB ZONE SAMPLES WERE NOT GEOREFERENCED AND ARE NOT SHOWN ON THIS FIGURE.
5. TEXT BOXES REPRESENT THE CRAB COMPOSITE SAMPLES AND THE COLOR OF EACH ROW REPRESENTS THE ASSOCIATED TISSUE RESIDUE SAMPLE CONCENTRATION.
6. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PCB CONGENERS (209) IN CRAB CARCASS TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-27

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - 2,3,7,8-TCDD.mxd 2/21/2017 4:00:29 PM

LEGEND:

2,3,7,8-TCDD RESULTS (PPT)

- ND
- 0.01 - 1.0
- > 1.0 - 3.0
- > 3.0 - 5.0
- > 5.0 - 7.0
- > 7.0 - 9.0
- > 9.0 - 11.0
- > 11.0
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   TCDD = TETRACHLORODIBENZO-P-DIOXIN

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

2,3,7,8-TCDD IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-28

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - Copper.mxd 2/21/2017 4:01:14 PM

LEGEND:

COPPER RESULTS (PPM)

- ND
- 0.01 - 2.0
- > 2.0 - 4.0
- > 4.0 - 6.0
- > 6.0 - 8.0
- > 8.0 - 10.0
- > 10.0 - 12.0
- > 12.0
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

COPPER IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-29

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - Lead.mxd 2/21/2017 4:06:30 PM

LEGEND:

LEAD RESULTS (PPM)

- ND
- 0.01 - 1.0
- > 1.0 - 5.0
- > 5.0 - 10.0
- > 10.0 - 15.0
- > 15.0 - 20.0
- > 20.0 - 25.0
- > 25.0
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
NEWARK BAY CDF (CELL 1S)
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
SHOOTERS ISLAND
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

LEAD IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE 3-30

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - Mercury.mxd 2/21/2017 4:02:23 PM

LEGEND:

MERCURY RESULTS (PPM)

- ND
- 0.001 - 0.01
- > 0.01 - 0.05
- > 0.05 - 0.1
- > 0.1 - 0.15
- > 0.15 - 0.20
- > 0.20 - 0.25
- > 0.25
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
KILL VAN KU
NEWARK BAY
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION

0 2,500 5,000 Feet
GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

MERCURY IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-31

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - TotalHMWPAHs.mxd 2/21/2017 3:54:56 PM

LEGEND:

TOTAL HMW PAH RESULTS (PPB)

- ND
- 0.01 - 50
- > 50 - 100
- > 100 - 200
- > 200 - 300
- > 300 - 400
- > 400 - 500
- > 500
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL HMW PAHS IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-32

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - TotalLMWPAHs.mxd 2/21/2017 3:57:44 PM

LEGEND:

TOTAL LMW PAH RESULTS (PPB)

- ND
- 0.01 - 5.0
- > 5.0 - 10
- > 10 - 20
- > 20 - 30
- > 30 - 40
- > 40 - 50
- > 50
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL LMW PAHS IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-33

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - TotalPAHs.mxd 2/21/2017 3:59:14 PM

LEGEND:

TOTAL PAH RESULTS (PPB)

- ND
- 0.01 - 50
- > 50 - 100
- > 100 - 200
- > 200 - 300
- > 300 - 400
- > 400 - 500
- > 500
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
131B
131A
130
127A
127B
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PAHS IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-34**

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - TotalDDT.mxd 2/21/2017 3:56:12 PM

LEGEND:

TOTAL DDT (4,4) (PPB)

- ND
- 0.01 - 1.0
- > 1.0 - 5.0
- > 5.0 - 10.0
- > 10.0 - 15.0
- > 15.0 - 20.0
- > 20.0 - 25.0
- > 25.0
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   DDT = DICHLORODIPHENYL - TRICHLOROETHANE
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL DDT (4,4) IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE **3-35**

City: SYR Div/Group: IM/DV Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - ClamTissue - TotalCongeners.mxd 2/21/2017 3:54:31 PM

LEGEND:

TOTAL PCB CONGENERS (209) (PPT)

- ND
- 0.01 - 40,000
- > 40,000 - 60,000
- > 60,000 - 80,000
- > 80,000 - 100,000
- > 100,000 - 120,000
- > 120,000 - 140,000
- > 140,000
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KU

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   PCB = POLYCHLORINATED BIPHENYL
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PCB CONGENERS (209) IN CLAM TISSUE SAMPLES

MARCH 2017, REVISION 1

FIGURE
3-36

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - 2,3,7,8-TCDD.mxd 2/21/2017 4:04:41 PM

LEGEND:

2,3,7,8-TCDD RESULTS (PPT):

- ND
- 0.01 - < 0.1
- > 0.1 - 1.0
- > 1.0 - 10
- > 10 - 50
- > 50 - 100
- > 100 - 500
- > 500 - 1,000
- > 1,000 - 5,000
- > 5,000
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
131B
131A
130
127A
127B
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   TCDD = TETRACHLORODIBENZO-P-DIOXIN
   FT BSS = FEET BELOW SEDIMENT SURFACE

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

2,3,7,8-TCDD IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE
3-37

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - Copper.mxd 2/21/2017 4:12:04 PM

LEGEND:

COPPER RESULTS (PPM):

- ND
- 0.01 - 1.0
- > 1.0 - 10
- > 10 - 100
- > 100 - 200
- > 200 - 400
- > 400 - 600
- > 600 - 800
- > 800 - 1,000
- > 1,000

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
   FT BSS = FEET BELOW SEDIMENT SURFACE

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

COPPER IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE
3-38

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - Lead.mxd 2/21/2017 4:09:49 PM

LEGEND:

LEAD RESULTS (PPM):

- ND
- 1.0 - 10
- > 10 - 50
- > 50 - 100
- > 100 - 200
- > 200 - 500
- > 500 - 1,000
- > 1,000 - 1,500
- > 1,500 - 2,000
- > 2,000

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
   FT BSS = FEET BELOW SEDIMENT SURFACE

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

LEAD IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE **3-39**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - Mercury.mxd 2/21/2017 4:44:39 PM

LEGEND:

MERCURY RESULTS (PPM):

- ND
- 0.001 - 0.01
- > 0.01 - 1.0
- > 1.0 - 2.0
- > 2.0 - 5.0
- > 5.0 - 10
- > 10 - 25
- > 25 - 50
- > 50 - 100
- > 100

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

NEWARK BAY CDF (CELL 1S)

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPM = PARTS PER MILLION
   FT BSS = FEET BELOW SEDIMENT SURFACE

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

MERCURY IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE 3-40

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - TotalHMWPAHs.mxd 2/21/2017 4:21:44 PM

LEGEND:

TOTAL HMW PAHs RESULTS (PPB):

- ND
- 0.1 - 10
- > 10 - 50
- > 50 - 100
- > 100 - 500
- > 500 - 1,000
- > 1,000 - 5,000
- > 5,000 - 10,000
- > 10,000 - 50,000
- > 50,000
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
131B
131A
130
127A
127B
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   HMW = HIGH MEAN WATER
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
   FT BSS = FEET BELOW SEDIMENT SURFACE
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL HMW PAHS IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE **3-41**

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - TotalLMWPAHs.mxd 2/21/2017 4:23:54 PM

LEGEND:

TOTAL LMW PAHs RESULTS (PPB):

- ND
- 0.1 - 10
- > 10 - 50
- > 50 - 100
- > 100 - 500
- > 500 - 1,000
- > 1,000 - 5,000
- > 5,000 - 10,000
- > 10,000 - 50,000
- > 50,000
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
131B
131A
130
127A
127B
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   LMW = LOW MEAN WATER
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
   FT BSS = FEET BELOW SEDIMENT SURFACE
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL LWM PAHS IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE
3-42

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - TotalPAHs.mxd 2/21/2017 4:26:18 PM

LEGEND:

TOTAL PAHs RESULTS (PPB):

- ND
- 0.1 - 10
- > 10 - 50
- > 50 - 100
- > 100 - 500
- > 500 - 1,000
- > 1,000 - 5,000
- > 5,000 - 10,000
- > 10,000 - 50,000
- > 50,000

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK

PORT NEWARK CHANNEL

ELIZABETH CHANNEL

NEWARK LIBERTY INTERNATIONAL AIRPORT

PERIPHERAL DITCH

SOUTH ELIZABETH CHANNEL

NEWARK BAY CDF (CELL 1S)

SHOOTERS ISLAND

NEWARK BAY NORTH

NEWARK BAY CENTRAL

NEWARK BAY SOUTH

NEWARK BAY

KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
131B
131A
130
127A
127B
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   LMW = LOW MEAN WATER
   PAHs = POLYCYCLIC AROMATIC HYDROCARBONS
   FT BSS = FEET BELOW SEDIMENT SURFACE
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL PAHS IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE
3-43

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - TotalDDT.mxd 2/21/2017 4:18:51 PM

LEGEND:

TOTAL DDT RESULTS (PPB):

- ND
- 0.1 - 1.0
- > 1.0 - 5.0
- > 5.0 - 10
- > 10 - 50
- > 50 - 100
- > 100 - 500
- > 500 - 1,000
- > 1,000 - 5,000
- > 5,000

- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH
NEWARK BAY
KILL VAN KULL

122B
122C
122A
123A
123B
133
132A
132B
124
125
131B
131A
130
127A
127B
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPB = PARTS PER BILLION
   DDT = DICHLORODIPHENYL - TRICHLOROETHANE
   FT BSS = FEET BELOW SEDIMENT SURFACE
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL DDT (4,4') IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE
3-44

City: SYR Div/Group: 90 Created By: ksinsabaugh Last Saved By: ksinsabaugh
Newark Bay (B0009989.0045.00006)
Z:\GISProjects_ENV\Tierra\GIS\Task\NBSA\CrabClamDataReport\mxd\Surface Sediment Concentrations - CrabClam - TotalCongeners.mxd 2/21/2017 4:18:30 PM

LEGEND:

TOTAL CONGENER PCBs (209) RESULTS (PPT):

- ND
- 0.01 - 10,000
- > 10,000 - 50,000
- > 50,000 - 100,000
- > 100,000 - 500,000
- > 500,000 - 1,000,000
- > 1,000,000 - 5,000,000
- > 5,000,000 - 7,500,000
- > 7,500,000 - 10,000,000
- > 10,000,000
- NAVIGATION CHANNEL
- SHORELINE
- UNDERGROUND TRIBUTARY
- NEWARK BAY STUDY AREA BOUNDARY
- GEOGRAPHIC ZONE BOUNDARY

PIERSONS CREEK
PORT NEWARK CHANNEL
ELIZABETH CHANNEL
NEWARK LIBERTY INTERNATIONAL AIRPORT
NEWARK BAY CDF (CELL 1S)
PERIPHERAL DITCH
SOUTH ELIZABETH CHANNEL
NEWARK BAY
KILL VAN KULL
SHOOTERS ISLAND
NEWARK BAY NORTH
NEWARK BAY CENTRAL
NEWARK BAY SOUTH

122B
122C
122A
123A
123B
133
132A
132B
124
125
127A
127B
131B
131A
130
135
134
129

NOTES:

1. HORIZONTAL DATUM: NEW JERSEY STATE PLANE COORDINATE SYSTEM, NAD83.
2. SHORELINE IS DIGITIZED FROM AERIAL PHOTO DATED JULY 2002 (INTRASEARCH, ENGLEWOOD, CO).
3. PPT = PARTS PER TRILLION
   PCB = POLYCHLORINATED BIPHENYL
   FT BSS = FEET BELOW SEDIMENT SURFACE
4. TOTAL CONCENTRATIONS ARE SUMMATIONS OF DETECTED VALUES ONLY.

0 2,500 5,000 Feet

GRAPHIC SCALE

NEWARK BAY STUDY AREA REMEDIAL INVESTIGATION

CRAB AND CLAM DATA REPORT

TOTAL CONGENER PCBS IN SURFACE SEDIMENTS (0 TO 0.5 FT BSS)

MARCH 2017, REVISION 1

FIGURE
3-45

Appendix A

Sample ID	Zone	Sample Area	Sample Date	Sample Time	Number of Crabs	Tissue Type	SDG	SDG Sample Count	Tissue Weight (g)	Mass Available for QA/QC (g)[a]	Tierra QA/QC		Mass Available for Split Samples (g)[b]
											Type	Mass (g)	
NB03CRB-CAR129	NBS	129	9/11/2014	18:50	29	CAR	NB3004	1	337	143	-	-	143
NB03CRB-HEP129	NBS	129	9/11/2014	18:50	29	HEP	NB3004	2	244	50	-	-	50
NB03CRB-MUS129	NBS	129	9/11/2014	18:50	29	MUS	NB3004	3	758	564	MS/MSD - All	386	178
NB03CRB-CAR125	NBC	125	10/2/2014	17:12	24	CAR	NB3004	4	240	46	-	-	46
NB03CRB-HEP125	NBC	125	10/2/2014	17:12	24	HEP	NB3004	5	242	48	-	-	48
NB03CRB-MUS125	NBC	125	10/2/2014	17:12	24	MUS	NB3004	6	271	77	-	-	77
NB03CRB-CAR122	NBN	122	10/8/2014	12:24	24	CAR	NB3004	7	250	56	-	-	56
NB03CRB-HEP122	NBN	122	10/8/2014	12:24	24	HEP	NB3004	8	268	74	-	-	74
NB03CRB-MUS122	NBN	122	10/8/2014	12:24	24	MUS	NB3004	9	277	83	-	-	83
NB03CRB-CAR-N003	NBN	N003	10/9/2014	11:35	21	CAR	NB3004	10	236	42	-	-	42
NB03CRB-HEP-N003	NBN	N003	10/9/2014	11:35	21	HEP	NB3004	11	235	41	-	-	41
NB03CRB-MUS-N003	NBN	N003	10/9/2014	11:35	21	MUS	NB3004	12	248	54	-	-	54
NB03CRB-CAR-C004	NBC	C004	10/17/2014	9:30	18	CAR	NB3004	13	251	57	-	-	57
NB03CRB-HEP-C004	NBC	C004	10/17/2014	9:30	18	HEP	NB3004	14	229	35	-	-	35
NB03CRB-MUS-C004	NBC	C004	10/17/2014	9:30	18	MUS	NB3004	15	254	60	-	-	60
NB03CRB-CAR-C001	NBC	C001	10/16/2014	14:15	20	CAR	NB3004	16	214	20	-	-	20
NB03CRB-HEP-C001	NBC	C001	10/16/2014	14:15	20	HEP	NB3004	17	222	28	-	-	28
NB03CRB-MUS-C001	NBC	C001	10/16/2014	14:15	20	MUS	NB3004	18	282	88	-	-	88
NB03CRB-CAR134	NBS	134	9/25/2014	11:40	32	CAR	NB3005	1	271	77	-	-	77
NB03CRB-HEP134	NBS	134	9/25/2014	11:40	32	HEP	NB3005	2	270	76	-	-	76
NB03CRB-MUS134	NBS	134	9/25/2014	11:40	32	MUS	NB3005	3	484	290	MS/MSD - All except Butyltins	271	19
NB03CRB-CAR133	NBN	133	10/10/2014	17:00	18	CAR	NB3005	4	201	7	-	-	7
NB03CRB-HEP133	NBN	133	10/10/2014	17:00	18	HEP	NB3005	5	261	67	-	-	67
NB03CRB-MUS133	NBN	133	10/10/2014	17:00	18	MUS	NB3005	6	311	117	MS/MSD - Butyltins	115	2
NB03CRB-CAR123	NBN	123	10/9/2014	15:00	19	CAR	NB3005	7	201	7	-	-	7
NB03CRB-HEP123	NBN	123	10/9/2014	15:00	19	HEP	NB3005	8	203	9	-	-	9
NB03CRB-MUS123	NBN	123	10/9/2014	15:00	19	MUS	NB3005	9	258	64	-	-	64
NB03CRB-CAR132	NBN	132	10/14/2014	15:35	28	CAR	NB3005	10	201	7	-	-	7
NB03CRB-HEP132	NBN	132	10/14/2014	15:35	28	HEP	NB3005	11	225	31	-	-	31
NB03CRB-MUS132	NBN	132	10/14/2014	15:35	28	MUS	NB3005	12	270	76	-	-	76
NB03CRB-CAR-N006	NBN	N006	10/14/2014	19:22	20	CAR	NB3005	13	240	46	-	-	46
NB03CRB-HEP-N006	NBN	N006	10/14/2014	19:22	20	HEP	NB3005	14	210	16	-	-	16
NB03CRB-MUS-N006	NBN	N006	10/14/2014	19:22	20	MUS	NB3005	15	244	50	-	-	50
NB03CRB-CAR-N007	NBN	N007	10/15/2014	17:05	20	CAR	NB3005	16	226	32	-	-	32
NB03CRB-HEP-N007	NBN	N007	10/15/2014	17:05	20	HEP	NB3005	17	235	41	-	-	41
NB03CRB-MUS-N007	NBN	N007	10/15/2014	17:05	20	MUS	NB3005	18	258	64	-	-	64
NB03CRB-CAR127	NBC	127	9/26/2014	12:30	24	CAR	NB3006	1	238	44	-	-	44
NB03CRB-HEP127	NBC	127	9/26/2014	12:30	24	HEP	NB3006	2	222	28	-	-	28
NB03CRB-MUS127	NBC	127	9/26/2014	12:30	24	MUS	NB3006	3	417	223	MS/MSD - All except Hg, MeHg, Pesticides, Butyltins	221	2
NB03CRB-CAR-N002	NBN	N002	10/8/2014	18:18	23	CAR	NB3006	4	195	1	-	-	1
NB03CRB-HEP-N002	NBN	N002	10/8/2014	18:18	23	HEP	NB3006	5	270	76	-	-	76
NB03CRB-MUS-N002	NBN	N002	10/8/2014	18:18	23	MUS	NB3006	6	370	176	MS/MSD - Hg, MeHg, Pesticides, Butyltins	166	10
NB03CRB-CAR-C003	NBC	C003	10/16/2014	17:05	18	CAR	NB3006	7	213	19	-	-	19
NB03CRB-HEP-C003	NBC	C003	10/16/2014	17:05	18	HEP	NB3006	8	231	37	-	-	37
NB03CRB-MUS-C003	NBC	C003	10/16/2014	17:05	18	MUS	NB3006	9	282	88	-	-	88

Sample ID	Zone	Sample Area	Sample Date	Sample Time	Number of Crabs	Tissue Type	SDG	SDG Sample Count	Tissue Weight (g)	Mass Available for QA/QC (g)[a]	Tierra QA/QC		Mass Available for Split Samples (g)[b]
											Type	Mass (g)	
NB03CRB-CAR-C008	NBC	C008	10/22/2014	15:00	18	CAR	NB3006	10	219	25	-	-	25
NB03CRB-HEP-C008	NBC	C008	10/22/2014	15:00	18	HEP	NB3006	11	226	32	-	-	32
NB03CRB-MUS-C008	NBC	C008	10/22/2014	15:00	18	MUS	NB3006	12	262	68	-	-	68
NB03CRB-CAR-S004	NBS	S004	10/23/2014	14:00	17	CAR	NB3006	13	204	10	-	-	10
NB03CRB-HEP-S004	NBS	S004	10/23/2014	14:00	17	HEP	NB3006	14	222	28	-	-	28
NB03CRB-MUS-S004	NBS	S004	10/23/2014	14:00	17	MUS	NB3006	15	244	50	-	-	50
NB03CRB-CAR-N001	NBN	N001	10/8/2014	14:53	24	CAR	NB3006	16	272	78	-	-	78
NB03CRB-HEP-N001	NBN	N001	10/8/2014	14:53	24	HEP	NB3006	17	263	69	-	-	69
NB03CRB-MUS-N001	NBN	N001	10/8/2014	14:53	24	MUS	NB3006	18	242	48	-		48
NB03CRB-CAR131	NBS	131[c]	9/11/2014 9/17/2014	20:02 15:52	28	CAR	NB3007	1	247	53	-	-	53
NB03CRB-HEP131	NBS	131[c]	9/11/2014 9/17/2014	20:02 15:52	28	HEP	NB3007	2	208	14	-	-	14
NB03CRB-MUS131	NBS	131[c]	9/11/2014 9/17/2014	20:02 15:52	28	MUS	NB3007	3	403	209	MS/MSD - PCDDs/PCDFs, Butyltins	184	25
NB03CRB-CAR-N005	NBN	N005	10/14/2014	18:25	18	CAR	NB3007	4	268	74	-	-	74
NB03CRB-HEP-N005	NBN	N005	10/14/2014	18:25	18	HEP	NB3007	5	212	18	-	-	18
NB03CRB-MUS-N005	NBN	N005	10/14/2014	18:25	18	MUS	NB3007	6	244	50	MS/MSD - PCB congeners	46	4
NB03CRB-CAR-S001	NBS	S001[c]	10/10/2014 10/22/2014	14:00 13:00	21	CAR	NB3007	7	239	45	-	-	45
NB03CRB-HEP-S001	NBS	S001[c]	10/10/2014 10/22/2014	14:00 13:00	21	HEP	NB3007	8	219	25	-	-	25
NB03CRB-MUS-S001	NBS	S001[c]	10/10/2014 10/22/2014	14:00 13:00	21	MUS	NB3007	9	212	18	MS/MSD - Hg, MeHg, Metals	7	11
NB03CRB-CAR-C006	NBC	C006	10/21/2014	13:30	19	CAR	NB3007	10	261	67	-	-	67
NB03CRB-HEP-C006	NBC	C006	10/21/2014	13:30	19	HEP	NB3007	11	210	16	-	-	16
NB03CRB-MUS-C006	NBC	C006	10/21/2014	13:30	19	MUS	NB3007	12	241	47	MS/MSD - Pesticides	46	1
NB03CRB-CAR-C005	NBC	C005	10/17/2014	10:15	18	CAR	NB3007	13	256	62	-	-	62
NB03CRB-HEP-C005	NBC	C005	10/17/2014	10:15	18	HEP	NB3007	14	232	38	-	-	38
NB03CRB-MUS-C005	NBC	C005	10/17/2014	10:15	18	MUS	NB3007	15	267	73	MS/MSD - SVOC, SVOC SIM	69	4
NB03CRB-CAR-C002	NBC	C002	10/16/2014	16:15	18	CAR	NB3007	16	220	26	-	-	26
NB03CRB-HEP-C002	NBC	C002	10/16/2014	16:15	18	HEP	NB3007	17	221	27	-	-	27
NB03CRB-MUS-C002	NBC	C002	10/16/2014	16:15	18	MUS	NB3007	18	229	35	MS/MSD - PCB Aroclors	35	1
NB03CRB-CAR130	NBS	130[c]	9/18/2014 9/24/2014	17:56 10:54	28	CAR	NB3008	1	234	40	-	-	40
NB03CRB-HEP130	NBS	130[c]	9/18/2014 9/24/2014	17:56 10:54	28	HEP	NB3008	2	212	18	-	-	18
NB03CRB-MUS130	NBS	130[c]	9/18/2014 9/24/2014	17:56 10:54	28	MUS	NB3008	3	402	208	MS/MSD - PCDDs/PCDFs, PCB congeners, SVOC, SVOC SIM	184	24
NB03CRB-CAR-C007	NBC	C007	10/22/2014	13:30	20	CAR	NB3008	4	208	14	-	-	14
NB03CRB-HEP-C007	NBC	C007	10/22/2014	13:30	20	HEP	NB3008	5	201	7	-	-	7
NB03CRB-MUS-C007	NBC	C007	10/22/2014	13:30	20	MUS	NB3008	6	210	16	MS/MSD - Hg, MeHg, Metals	7	9
NB03CRB-CAR-S002	NBS	S002	10/22/2014	16:30	18	CAR	NB3008	7	205	11	-	-	11
NB03CRB-HEP-S002	NBS	S002	10/22/2014	16:30	18	HEP	NB3008	8	212	18	-	-	18

Sample ID	Zone	Sample Area	Sample Date	Sample Time	Number of Crabs	Tissue Type	SDG	SDG Sample Count	Tissue Weight (g)	Mass Available for QA/QC (g)[a]	Tierra QA/QC		Mass Available for Split Samples (g)[b]
											Type	Mass (g)	
NB03CRB-MUS-S002	NBS	S002	10/22/2014	16:30	18	MUS	NB3008	9	242	48	MS/MSD - Pesticides	46	2
NB03CRB-CAR-N004	NBN	N004	10/10/2014	18:30	20	CAR	NB3008	10	248	54	-	-	54
NB03CRB-HEP-N004	NBN	N004	10/10/2014	18:30	20	HEP	NB3008	11	254	60	-	-	60
NB03CRB-MUS-N004	NBN	N004	10/10/2014	18:30	20	MUS	NB3008	12	333	139	MS/MSD - Butyltins	115	24
NB03CRB-CAR-S005	NBS	S005	10/23/2014	14:45	18	CAR	NB3008	13	201	7	-	-	7
NB03CRB-HEP-S005	NBS	S005	10/23/2014	14:45	18	HEP	NB3008	14	212	18	-	-	18
NB03CRB-MUS-S005	NBS	S005	10/23/2014	14:45	18	MUS	NB3008	15	237	43	MS/MSD - PCB Aroclors	35	9
NB03CRB-CAR-S003	NBS	S003	10/23/2014	13:20	17	CAR	NB3008	16	217	23	-	-	23
NB03CRB-HEP-S003	NBS	S003	10/23/2014	13:20	17	HEP	NB3008	17	215	21	-	-	21
NB03CRB-MUS-S003	NBS	S003	10/23/2014	13:20	17	MUS	NB3008	18	241	47	-	-	47
NB03CRB-CAR-S009	NBS	S009	10/24/2014	14:00	18	CAR	NB3008	19	221	27	-	-	27
NB03CRB-HEP-S009	NBS	S009	10/24/2014	14:00	18	HEP	NB3008	20	257	63	-	-	63
NB03CRB-MUS-S009	NBS	S009	10/24/2014	14:00	18	MUS	NB3009	1	224	30	-	-	30
NB03CRB-CAR124	NBC	124	10/3/2014	12:22	23	CAR	NB3009	2	286	92	-	-	92
NB03CRB-HEP124	NBC	124	10/3/2014	12:22	23	HEP	NB3009	3	251	57	-	-	57
NB03CRB-MUS124	NBC	124	10/3/2014	12:22	23	MUS	NB3009	4	298	104	MS/MSD - PCDDs/PCDFs	69	35
NB03CRB-CAR126	NBC	126	10/1/2014	16:55	23	CAR	NB3009	5	206	12	-	-	12
NB03CRB-HEP126	NBC	126	10/1/2014	16:55	23	HEP	NB3009	6	223	29	-	-	29
NB03CRB-MUS126	NBC	126	10/1/2014	16:55	23	MUS	NB3009	7	294	100	MS/MSD - PCB congeners, Pesticides	92	8
NB03CRB-CAR-S008	NBS	S008	10/24/2014	13:05	18	CAR	NB3009	8	210	16	-	-	16
NB03CRB-HEP-S008	NBS	S008	10/24/2014	13:05	18	HEP	NB3009	9	219	25	-	-	25
NB03CRB-MUS-S008	NBS	S008	10/24/2014	13:05	18	MUS	NB3009	10	222	28	MS/MSD - Hg, MeHg, Metals	7	21
NB03CRB-CAR-N008	NBN	N008	10/16/2014	11:35	21	CAR	NB3009	11	218	24	-	-	24
NB03CRB-HEP-N008	NBN	N008	10/16/2014	11:35	21	HEP	NB3009	12	232	38	-	-	38
NB03CRB-MUS-N008	NBN	N008	10/16/2014	11:35	21	MUS	NB3009	13	324	130	MS/MSD - Butyltins	115	15
NB03CRB-CAR-S006	NBS	S006	10/23/2014	16:00	20	CAR	NB3009	14	218	24	-	-	24
NB03CRB-HEP-S006	NBS	S006	10/23/2014	16:00	20	HEP	NB3009	15	216	22	-	-	22
NB03CRB-MUS-S006	NBS	S006	10/23/2014	16:00	20	MUS	NB3009	16	239	45	MS/MSD - PCB Aroclors	35	11
NB03CRB-CAR-S007	NBS	S007	10/23/2014	16:40	18	CAR	NB3009	17	212	18	-	-	18
NB03CRB-HEP-S007	NBS	S007	10/23/2014	16:40	18	HEP	NB3009	18	222	28	-	-	28
NB03CRB-MUS-S007	NBS	S007	10/23/2014	16:40	18	MUS	NB3009	19	267	73	MS/MSD - SVOC, SVOC SIM	69	4

Notes:

[a] The mass available for QA/QC is the tissue weight minus the pre-homogenization minimum tissue mass of 194g (minimum mass requirement plus 15%) stated in Worksheet #10.

[b] The mass available for split samples is the mass available for QA/QC minus the mass needed for Tierra QA/QC . Highlighted cells indicate the mass is greater than 50g (the mass requirement provided by USEPA for split samples).

[c] The crabs at this location were collected on two different dates.

CAR = carcass
HEP = hepatopancreas
Hg = mercury
MeHg = methylmercury
MS/MSD = matrix spike/matrix spike duplicate
MUS = muscle
g = grams
QA/QC = quality assurance/quality control
PCB = polychlorinated biphenyl
PCDDs/PCDFs = polychlorinated dibenzodioxins/polychlorinated dibenzofurans
SDG = sample delivery group
SIM = selective ion monitoring
SVOC = semivolatile organic compound

Worksheet numbers are from the USEPA-approved Crab and Clam Sampling and Analysis Quality Assurance Project Plan, Revision 3a, August 2014.

Clam Composite Proposal

Sample ID	Location	Collection Date	Collection Time	Number of Clams	SDG	Sample Count	Tissue Weight (g)	Mass available for QA/QC (g)[a]	Tierra QA/QC		Mass Available for Split Samples (g)[b]
									Type	Mass (g)	
NB03CLM122A	122A	9/17/2014	14:31	86	NB3003	1	208	14	-	-	14
NB03CLM122B	122B	9/18/2014	16:15	88	NB3003	2	206	12	-	-	12
NB03CLM122C	122C	9/18/2014	17:05	82	NB3003	3	199	5	-	-	5
NB03CLM123A	123A	9/23/2014	18:25	66	NB3003	4	295	101	-	-	101
NB03CLM123B	123B	9/23/2014	18:55	70	NB3003	5	320	126	MS/MSD - Butyltins	115	11
NB03CLM124	124	10/2/2014	14:42	55	NB3003	6	202	8	-	-	8
NB03CLM125	125	9/26/2014	18:37	62	NB3003	7	247	53	-	-	53
NB03CLM127A	127A	9/24/2014	18:27	52	NB3003	8	391	197	-	-	197
NB03CLM127B	127B	9/24/2014	18:50	83	NB3003	9	331	137	-	-	137
NB03CLM129	129[c]	9/8/2014 9/25/2014	11:35 18:35	44	NB3003	10	211	17	-	-	17
NB03CLM130	130	9/16/2014	15:47	44	NB3003	11	258	64	-	-	64
NB03CLM131A	131A	9/11/2014	11:45	85	NB3003	12	500	306	MS/MSD (all except Butyltins)	271	35
NB03CLM131B	131B	9/15/2014	15:18	67	NB3003	13	377	183	-	-	183
NB03CLM132A	132A	9/11/2014	20:40	51	NB3003	14	200	6	-	-	6
NB03CLM132B	132B	9/22/2014	17:50	75	NB3003	15	363	169	-	-	169
NB03CLM133	133	9/22/2014	18:20	46	NB3003	16	245	51	-	-	51
NB03CLM134	134	9/25/2014	19:01	59	NB3003	17	324	130	-	-	130
NB03CLM135	135	9/19/2014	13:10	43	NB3003	18	268	74	-	-	74

Notes:

[a] The mass available for QA/QC is the tissue weight minus the pre-homogenization minimum tissue mass of 194g (minimum mass requirement plus 15%) stated in Worksheet #10.

[b] The mass available for split samples is the mass available for QA/QC minus the mass needed for Tierra QA/QC. Highlighted cells indicate the mass is greater than 50g (the mass requirement provided by USEPA for split samples).

[c] The clams at Location 129 were collected on two different dates, September 8, 2014 at 11:35 and September 25, 2014 at 18:35.

g = grams

MS/MSD = matrix spike/matrix spike duplicate

QA/QC = quality assurance/quality control

SDG = sample delivery group

Worksheet numbers are from the USEPA-approved Crab and Clam Sampling and Analysis Quality Assurance Project Plan, Revision 3a, August 2014.

Appendix B

Data Qualifier Definitions

Data Qualifier	Definition
B	The analyte is present in the associated method blank as well as in the sample. This qualifier has a different meaning when validating inorganic data.
C	This flag applies to Aroclors results when the identification has been confirmed by GC/MS analysis.
D	The positive value is the result of an analysis at a secondary dilution factor.
E	The concentration of this analyte exceeds the calibration range of the instrument.
I	The laboratory indicated the presence of an interference during the sample analysis.
J	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
J-	The result is an estimated quantity, but the result may be biased low.
J+	The result is an estimated quantity, but the result may be biased high.
JH	The analyte was positively identified; but the associated numerical value is the approximate concentration, with a potential high bias, of the analyte in the sample.
JL	The analyte was positively identified; but the associated numerical value is the approximate concentration, with a potential low bias, of the analyte in the sample.
JN	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
M	The analytical result reported was obtained from a sediment sample found to contain between 50 and 90 percent moisture and had no other data qualifiers added during the data validating process.
N	The analysis indicates the presence of an analyte for which there is presumptive evidence to make a "tentative identification."
NJ	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.
NJH	The analysis indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration with a potential high bias, of the analyte concentration.
P	Aroclor target analytes when the % difference between the analyte concentrations obtained from the two dissimilar GC columns is greater than 25%.
Q	Estimated maximum possible concentration.
R	The sample results are rejected due to serious deficiencies in the ability to analyze the sample and meet quality control criteria. The presence or absence of the analyte cannot be verified.
S	Single point calibration.
T	Applied only to calculated totals in which the results of one or more individual analytes that make up the given total are rejected.
U	The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
UJ	The analyte was not detected above the reported sample quantitation limit. However, the reported quantitation limit is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample.
UJL	The analyte was not detected and the reported sample quantitation limit is biased low.
UJH	The analyte was not detected and the reported sample quantitation limit is biased high.
Z	Data validated but no qualifiers applicable.

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	2.28 JB	1.08 JB	1.93 JB	1.34 JB	1.44 JB	1.21 JBQ	1.66 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	28.3 B	15 B	12.3 B	6.52 B	9.18 B	4.74 JB	8.14 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.323 JBQ	0.109 JBQ	0.152 JBQ	0.11 U	0.121 U	0.109 U	0.115 U
1,2,3,4,7,8-HxCDD	ng/kg	0.758 JQ	0.531 JBQ	0.507 JBQ	0.286 JBQ	0.526 JBQ	0.417 JBQ	0.521 J
1,2,3,4,7,8-HxCDF	ng/kg	30.5 C	13.5 C	10.7 BC	5.83 BC	6.98 BC	4.3 JB	4.84 JC
1,2,3,6,7,8-HxCDD	ng/kg	2.37 JB	1.3 JQ	1.76 J	1.18 JBQ	1.4 JQ	1.16 JBQ	1.49 JB
1,2,3,6,7,8-HxCDF	ng/kg	6.01 C	3.41 JC	4.78 JB	2.58 JB	3.02 JB	1.89 JB	3.39 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.777 JB	0.436 JQ	0.512 J	0.35 JB	0.479 JQ	0.404 JB	0.524 JB
1,2,3,7,8,9-HxCDF	ng/kg	0.312 JB	0.0872 JB	0.0525 JBQ	0.135 JB	0.0739 JBQ	0.107 JBQ	0.111 JBQ
1,2,3,7,8-PeCDD	ng/kg	2.84 JQ	2.58 JQ	1.97 JB	1.2 JQ	1.68 JB	0.0999 U	2.37 J
1,2,3,7,8-PeCDF	ng/kg	9.29 BC	5.43 C	6.1 BC	4.3 JB	5.39 BC	4.8 JB	5.35 C
2,3,4,6,7,8-HxCDF	ng/kg	2.09 JB	0.888 J	0.811 JB	0.612 JB	0.688 JB	0.561 JB	0.815 JB
2,3,4,7,8-PeCDF	ng/kg	24.2 BC	13.9 BC	18.5 C	8.63 BC	14.1 C	9.29 BC	11.1 BC
2,3,7,8-TCDD	ng/kg	103	80	60.9 B	44.4	60.1 B	48	43.6
2,3,7,8-TCDF	ng/kg	37.9 BC	23.9 C	27.1 C	19.7 C	26.2 C	25 C	27.5 BC
OCDD	ng/kg	6.62 JB	2.5 JB	5.33 JB	3.75 JB	4.74 JB	4.56 JBQ	5.38 JB
OCDF	ng/kg	1.73 JB	0.352 JBQ	0.44 JB	0.369 JB	0.316 JBQ	0.386 JBQ	0.33 JB
Percent Lipid	%	7.8	4.1	7	3.8	3.8	3.5	0.1 U
Metals								
Aluminum	mg/kg	91.6	5.54 U	5.6 U	8.21 B	5.54 U	6.68 B	5.54 U
Antimony	mg/kg	0.0629 U	0.0653 U	0.066 U	0.066 U	0.0653 U	0.066 U	0.0653 U
Arsenic	mg/kg	1.7	2.2	2.3	3.83	2.31	3.73	3.36
Barium	mg/kg	4.43	0.597	0.277 B	1.59	0.182 U	0.824	0.409
Beryllium	mg/kg	0.0135 U	0.0141 U	0.0142 U	0.0142 U	0.0141 U	0.0142 U	0.0141 U
Cadmium	mg/kg	0.165	0.539	0.984	2.01	0.728	2.99	0.838
Calcium	mg/kg	3,010	5,030	3,270	19,500	2,410	24,200	4,650
Chromium	mg/kg	0.661	0.099 U	0.1 U	0.208 B	0.099 U	0.211 B	0.118 B
Cobalt	mg/kg	0.159	0.215	0.149	0.283	0.151	0.196	0.136
Copper	mg/kg	34.4	48.2	40.9	114	48.5	95.1	52.5
Iron	mg/kg	277	35.6	34.2	76.3	25.5	82.6	39.6
Lead	mg/kg	2.52	0.249	0.111 B	0.445	0.161 B	0.396	0.0257 BU
Magnesium	mg/kg	652	662	456	1,220	439	2,020	588
Manganese	mg/kg	44.7	3.75	2.96	13	2.25	19.5	3.61
Mercury	ng/g	59.4	100	69.6	49.7	134	48.8	31.2
Methyl Mercury	ng/g	46.5 J	32.9	51	34.2	79.5	30.4	51.1 J
Nickel	mg/kg	0.527	0.326 B	0.188 U	0.387 B	0.206 B	0.465	0.484
Potassium	mg/kg	1,760	2,540	2,510	3,700	2,400	3,320	2,660
Selenium	mg/kg	0.749	1.3	1.59	2.5	1.51	2.15	1.69
Silver	mg/kg	1	1.49	1.23	3.87	1.38	2.99	1.21
Sodium	mg/kg	5,170	5,010	4,090	6,020	4,720	5,520	4,610
Thallium	mg/kg	0.0286 U	0.0297 U	0.03 U	0.03 U	0.0297 U	0.03 U	0.0297 U
Titanium	mg/kg	0.454 B	0.236 B	0.226 B	0.36 B	0.22 B	0.327 B	0.507 B
Vanadium	mg/kg	0.117	0.0986 B	0.0954 B	0.241	0.0893 B	0.189	0.0978 B
Zinc	mg/kg	22.6	29.8	32.6	77.6	23.6	78.5	27.1
Butyltins								
Dibutyltin	ug/kg	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	1.3 U	1.3 UJ	1.8 J
Monobutyltin	ug/kg	20 UJCN	21 UJCN	21 UJCN	20 UJCN	20 UCN	20 UJCN	20 UJCN

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
Tetrabutyltin	ug/kg	1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.7 U	1.7 UJ	1.6 UJ
Tributyltin	ug/kg	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ
PCB Congeners								
PCB-1	ng/kg	10.4	6.84 J	4.76 U	0.989 U	0.975 U	12.7 B	71.4 B
PCB-2	ng/kg	3.47 U	3.49 U	3.33 U	1.64 J	0.682 U	0.678 U	6.6 U
PCB-3	ng/kg	5.45 U	5.48 U	5.24 U	R	1.07 U	5	50.1 B
PCB-4	ng/kg	144	75.3	227	91.8 B	135	158 B	259 B
PCB-5	ng/kg	3.96 U	3.99 U	3.81 U	0.791 U	0.78 U	0.774 U	7.55 U
PCB-6	ng/kg	37.6	31.4	3.33 U	0.692 U	0.682 U	0.678 U	134
PCB-7	ng/kg	3.96 U	3.99 U	3.81 U	0.791 U	0.78 U	2.62	7.55 U
PCB-8	ng/kg	120 B	7.48 U	7.14 U	95.3	1.46 U	116	498 B
PCB-9	ng/kg	5.2 J	3.49 U	3.33 U	0.692 U	0.682 U	4.06	6.6 U
PCB-10	ng/kg	18.3 J	9.33 J	43.2	9.81	20.2	17.8	13 J
PCB-11	ng/kg	353 B	305 B	477 B	315 BE	3.31 U	467 BE	1,270 B
PCB-12/13	ng/kg	114	81.5	9.05 U	54.9	1.85 U	69	259
PCB-14	ng/kg	3.96 U	3.99 U	3.81 U	0.791 U	0.78 U	0.774 U	7.55 U
PCB-15	ng/kg	2,250 E	1,800 E	1,530 BE	940 BE	1,180 BE	1,170 BE	3,440 BE
PCB-16	ng/kg	4.46 U	33.9	76.8	0.89 U	41.7	0.871 U	8.49 U
PCB-17	ng/kg	259 B	192	359	225 B	215	312 BE	427 B
PCB-18/30	ng/kg	483 B	300	523 B	304 B	354 B	414 B	584 B
PCB-19	ng/kg	3.96 U	28.3	66.1	34.8	40.9	45.4	7.55 U
PCB-20/28	ng/kg	76,500 BE	62,800 BE	38,500 BE	23,900 BE	33,800 BE	35,700 BEJ	70,700 BE
PCB-21/33	ng/kg	330	283	281	178	175	263	585 B
PCB-22	ng/kg	472	520	534	377 BE	352 E	554 BE	1,130 B
PCB-23	ng/kg	3.47 U	3.49 U	3.33 U	0.692 U	0.682 U	0.678 U	6.6 U
PCB-24	ng/kg	4.96 U	4.99 U	4.76 U	0.989 U	0.975 U	0.968 U	9.43 U
PCB-25	ng/kg	406	350	301	215	208	311 E	517
PCB-26/29	ng/kg	591	372	445	286	321	553	695
PCB-27	ng/kg	91.1	72.9	155	86.1	96.9	147	154
PCB-31	ng/kg	2,030 BE	1,730 E	1,740 E	1,280 BE	1,370 E	1,740 BE	2,990 BE
PCB-32	ng/kg	432	409	531	470 BE	415 E	521 BE	966 B
PCB-34	ng/kg	105	69.6	60.4	36.4	35.4	50.4	115
PCB-35	ng/kg	50.2	40.7	4.29 U	23.3	0.877 U	33.6	56.9
PCB-36	ng/kg	20.6	18.9	3.81 U	21.3	0.78 U	37.6	59.5
PCB-37	ng/kg	7,300 E	5,790 E	4,280 E	2,100 E	3,280 E	2,650 EJ	7,300 E
PCB-38	ng/kg	94.8	82.4	3.33 U	0.692 U	19	0.678 U	6.6 U
PCB-39	ng/kg	220	180	104	66.8	75.8	109	180
PCB-40/71	ng/kg	2,730	2,230	2,560	1,680 E	1,890 E	4,500 E	3,390
PCB-41	ng/kg	20.8 U	20.9 U	24.9 J	23.2	4.09 U	24.8	39.6 U
PCB-42	ng/kg	697	758	928	555	589 E	1,440 E	864
PCB-43	ng/kg	204	121	125	87.8	102	233	140
PCB-44/47/65	ng/kg	110,000 BE	90,100 E	67,500 BE	32,700 BE	52,500 BE	98,700 BE	72,800 BE
PCB-45	ng/kg	32.6	23.9 J	46.6	26.2	2.14 U	32.8	20.8 U
PCB-46	ng/kg	30.5	23.2	36.3	24.8	21	43.1	9.43 U
PCB-48	ng/kg	294	211	284	181	186	381	216
PCB-49/69	ng/kg	1,350	1,210	1,910 B	1,160	1,350 BE	3,330 E	1,670
PCB-50/53	ng/kg	167	133	202	138	147	322	132
PCB-51	ng/kg	157	142	169	114	136	231	104

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
PCB-52	ng/kg	1,830 B	1,450	2,080	1,270 BE	1,460 E	2,700 BE	1,770 B
PCB-54	ng/kg	6.94 U	6.98 U	6.67 U	1.38 U	1.36 U	1.36 U	13.2 U
PCB-55	ng/kg	64.6	141	95.8	63.5	1.17 U	261	155
PCB-56	ng/kg	1,040	1,000	1,250	825 E	660 E	1,910 E	1,520
PCB-57	ng/kg	57.6	37.4	57.6	33.7	34.8	98.8	69.9
PCB-58	ng/kg	66.8	54.3	78.4	77	36.8	167	152
PCB-60	ng/kg	12,900 E	12,000 E	8,590 E	4,980 E	5,630 E	6,760 EJ	14,000 E
PCB-61/70/74/76	ng/kg	101,000 E	96,200 E	60,600 E	35,600 E	49,900 E	116,000 EJ	88,000 E
PCB-62/75	ng/kg	6,840	6,460	4,580	2,190 E	3,250 E	6,460 E	5,270
PCB-63	ng/kg	1,640	1,640	1,150	768 E	839 E	2,220 E	1,900
PCB-64	ng/kg	1,780	1,390	1,760	1,090 E	1,560 E	2,780 E	2,030
PCB-66	ng/kg	115,000 BE	157,000 BE	99,700 BE	50,600 BE	74,400 BE	158,000 BE	127,000 BE
PCB-67	ng/kg	456	391	260	154	190	437	292
PCB-68	ng/kg	965	1,030	681	414	447	1,250 E	1,000
PCB-72	ng/kg	443	321	360	185	229	680 E	477
PCB-73	ng/kg	74.9	90.3	103	94.1	1.36 U	1.36 U	13.2 U
PCB-77	ng/kg	7,690 E	6,280 E	4,370 E	2,410 E	R	R	7,150 E
PCB-78	ng/kg	7.93 U	7.98 U	7.62 U	1.58 U	1.56 U	1.55 U	15.1 U
PCB-79	ng/kg	451	388	220	144	173	454	344
PCB-80	ng/kg	27.2	29.5	17.3 J	17	13.1	40.8	35.3 J
PCB-81	ng/kg	369	314	225	134	177	212 J	412
PCB-82	ng/kg	7.43 U	85.9	7.14 U	86.2	1.46 U	90.6	14.2 U
PCB-83	ng/kg	143	84.5	154	82	2.83 U	2.81 U	140
PCB-84	ng/kg	345	185	270	149	194	201	197
PCB-85/116/117	ng/kg	29,200 E	23,800 E	24,300 E	9,760 E	15,600 E	14,400 E	27,100 E
PCB-86/87/97/109/119/125	ng/kg	12,500	9,980	10,200	4,640 E	7,100 E	7,040 E	10,900
PCB-88	ng/kg	10.9 U	11 U	10.5 U	2.18 U	2.14 U	2.13 U	20.8 U
PCB-89	ng/kg	14.4 J	8.88 J	17.4 J	9.13	9.76	9.31	12.3 U
PCB-90/101/113	ng/kg	7,300	4,870	7,650 B	3,360 BE	5,250 BE	5,000 BE	6,620
PCB-91	ng/kg	1,150	619	928	433	737 E	703 E	754
PCB-92	ng/kg	1,020	484	1,050 B	474	752 BE	881 E	752
PCB-93/100	ng/kg	6,370 E	6,420 E	4,610	2,330 E	3,630 E	3,370 E	4,850
PCB-94	ng/kg	237	190	187	117	142	165	244
PCB-95	ng/kg	1,810	1,110	1,500	R	R	1,460 E	1,260
PCB-96	ng/kg	7.43 U	7.48 U	7.14 U	1.98 J	2.36 J	1.63 J	14.2 U
PCB-98/102	ng/kg	259	147	226	103	138	146	177 J
PCB-99	ng/kg	186,000 BE	122,000 E	120,000 BE	47,500 BE	86,200 BE	75,400 BE	123,000 BE
PCB-103	ng/kg	60.2	37.5	75.3	26	50.1	28.5	35.2 J
PCB-104	ng/kg	6.94 U	9.42 J	8.9 J	6.27	5.86	5.23	13.2 U
PCB-105	ng/kg	48,800 E	40,700 E	33,300 E	13,500 BE	21,400 E	18,400 BE	42,300 E
PCB-106	ng/kg	8.42 U	8.47 U	8.1 U	1.68 U	1.66 U	1.65 U	16 U
PCB-107	ng/kg	8,770 E	9,110 E	6,470 E	3,660 E	4,580 E	5,940 E	9,820 E
PCB-108/124	ng/kg	297	233	296	159	206	297	361
PCB-110/115	ng/kg	8,090 E	5,930	8,110 BE	3,730 E	6,010 BE	5,780 E	8,640
PCB-111	ng/kg	202	167	202	90.6	132	133	213
PCB-112	ng/kg	6.94 U	112	112	51.9	1.36 U	1.36 U	13.2 U
PCB-114	ng/kg	3,820 E	3,880 E	2,890 E	1,390 E	2,030 E	2,020 E	4,150
PCB-118	ng/kg	173,000 BE	206,000 E	152,000 BE	71,800 BE	122,000 BE	135,000 BE	188,000 BE

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
PCB-120	ng/kg	1,390	1,280	1,040	453	708 E	691 E	1,120
PCB-121	ng/kg	156	145	122	61.5	88.1	89.8	11.3 U
PCB-122	ng/kg	5.95 U	5.98 U	59.6	30.2	32	35.1	77.1
PCB-123	ng/kg	3,640 E	3,630 E	2,820	1,400 E	1,880 E	2,070 E	3,850
PCB-126	ng/kg	306	354	309	140	1.56 U	225 J	510
PCB-127	ng/kg	261	270	135	68.4	95.1	89.1	154
PCB-128/166	ng/kg	16,400 E	16,800 E	12,200 E	6,440 E	8,130 E	10,300 E	13,500 E
PCB-129/138/163	ng/kg	202,000 E	172,000 E	124,000 BE	61,200 BE	86,100 BE	117,000 BE	128,000 BE
PCB-130	ng/kg	2,110	2,360	2,090	1,330 E	1,470 E	R	2,810
PCB-131	ng/kg	106	91.4	65.2	47.5	56.1	R	88.3
PCB-132	ng/kg	7.93 U	174	314	146	165	R	15.1 U
PCB-133	ng/kg	3,150 E	3,870 E	2,710	1,850 E	2,180 E	3,230 E	4,150
PCB-134	ng/kg	72	53.8	93.4	53.5	48.8	R	31.1 U
PCB-135/151	ng/kg	1,250	863	1,450	596	900	973	1,030
PCB-136	ng/kg	150	78.9	113	50.8	62.8	62.9	43.3 J
PCB-137	ng/kg	7,420 E	8,870 E	5,790 E	3,190 E	4,380 E	R	7,310 E
PCB-139/140	ng/kg	3,410	3,550	2,230	1,250 E	1,690 E	2,120 E	2,770
PCB-141	ng/kg	536	517	516	350	452	513	564
PCB-142	ng/kg	8.42 U	8.47 U	R	1.68 U	1.66 U	R	16 U
PCB-143	ng/kg	17.6 J	16.5 U	15.7 U	4.45 J	3.22 U	R	31.1 U
PCB-144	ng/kg	312	269	220	95.7	176	R	210
PCB-145	ng/kg	7.93 U	7.98 U	7.62 U	1.58 U	1.56 U	1.55 U	15.1 U
PCB-146	ng/kg	30,600 E	32,900 E	R	12,400 E	16,000 E	R	R
PCB-147/149	ng/kg	8,490 E	6,820 E	6,230 BE	3,460 BE	4,630 BE	5,940 BE	6,430
PCB-148	ng/kg	811	774	593	297	433	408	503
PCB-150	ng/kg	18 J	9.49 J	18.4 J	5.28	7.9	7.85	14.2 U
PCB-152	ng/kg	8.71 J	6.98 U	6.67 U	3.05 J	4.12 J	2.52 J	13.2 U
PCB-153/168	ng/kg	242,000 BE	284,000 E	201,000 BE	93,400 BE	148,000 BE	205,000 BE	189,000 BE
PCB-154	ng/kg	7,540 E	7,780 E	5,140 E	2,340 E	3,800 E	R	4,500
PCB-155	ng/kg	1,910	1,990	1,510	865 E	1,210 E	1,250 E	1,890 J
PCB-156/157	ng/kg	15,100 E	15,500 E	12,700 E	6,000 E	9,060 E	10,300 E	17,800 E
PCB-158	ng/kg	15,700 E	16,800 E	11,800 E	6,430 E	8,620 E	1.55 U	15,700 E
PCB-159	ng/kg	78	52.6	54.7	1.38 U	1.36 U	18.3	53.7
PCB-160	ng/kg	31.2 U	31.4 U	48.8 J	6.23 U	6.14 U	6.1 U	59.4 U
PCB-161	ng/kg	6.44 U	6.48 U	R	6.15	1.27 U	R	12.3 U
PCB-162	ng/kg	6.44 U	975	R	443	R	615 E	929
PCB-164	ng/kg	420	432	475	307	334	411	563
PCB-165	ng/kg	155	192	R	95.1	109	R	171
PCB-167	ng/kg	6,220 E	6,720 E	5,480 E	2,630 E	3,660 E	5,180 E	7,340 E
PCB-169	ng/kg	19.3 J	7.48 U	7.14 U	8.79	1.46 U	1.45 U	14.2 U
PCB-170	ng/kg	14,800 E	17,000 E	12,700 E	5,760 E	8,350 E	8,510 E	13,500 E
PCB-171/173	ng/kg	7,740 E	10,300 E	R	3,030 E	4,190 E	R	R
PCB-172	ng/kg	4,820 E	5,100 E	3,670 E	1,580 E	2,570 E	1,340 E	4,630
PCB-174	ng/kg	564	493	R	R	426	R	R
PCB-175	ng/kg	1,370	1,650	R	587	842 E	R	1,570
PCB-176	ng/kg	148	113	107	50.4	75.5	84.2	82.9
PCB-177	ng/kg	4,800 E	5,880 E	R	2,690 E	R	R	R
PCB-178	ng/kg	10,400 E	11,900 E	8,280 E	4,300 E	6,480 E	R	11,600 E

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
PCB-179	ng/kg	168	121	200	81.9	107	111	R
PCB-180/193	ng/kg	89,500 E	91,300 E	68,300 E	30,500 BE	48,100 E	54,600 BE	82,100 E
PCB-181	ng/kg	382	486	R	R	R	R	R
PCB-182	ng/kg	384	459	R	133	205	R	R
PCB-183/185	ng/kg	28,400 E	36,200 E	R	11,600 E	14,900 E	R	29,200 E
PCB-184	ng/kg	303	361	183	98.8	140	177	170
PCB-186	ng/kg	7.43 U	7.48 U	7.14 U	1.48 U	1.46 U	R	14.2 U
PCB-187	ng/kg	65,500 E	70,300 E	R	24,200 E	34,600 E	R	R
PCB-188	ng/kg	422	434	346	242	310	422	535
PCB-189	ng/kg	1,080	1,290	911	414	609 E	535	1,120
PCB-190	ng/kg	2,350	4,380 E	4,090 E	1,930 E	2,750 E	3,030 E	5,110
PCB-191	ng/kg	1,140	1,300	965	479	679 E	818 E	1,310
PCB-192	ng/kg	22.7 J	23.5 J	17 J	1.29 U	6.09	5.39	12.3 U
PCB-194	ng/kg	9,260 E	10,400 E	8,220 E	4,260 E	5,650 E	5,010 E	9,540 E
PCB-195	ng/kg	2,210	2,150	1,600	878	1,120 E	907 E	1,730
PCB-196	ng/kg	7,130 E	11,100 E	6,460 E	3,120 E	4,880 E	3,710 E	8,580 E
PCB-197/200	ng/kg	1,000	1,170	593	344	520	R	732
PCB-198/199	ng/kg	15,200 E	25,200 E	14,600 E	7,190 E	11,300 E	9,900 E	19,000 E
PCB-201	ng/kg	2,970	3,780	1,870	1,090 E	1,620 E	1,700 E	2,490
PCB-202	ng/kg	5,740 E	6,270 E	4,680 E	3,200 E	4,080 E	5,660 E	7,400
PCB-203	ng/kg	9,530 E	13,000 E	8,150 E	3,880 E	5,680 E	1,860 E	9,300 E
PCB-204	ng/kg	58.2	58	21.6 J	12.5	17.6	17.2	19.8 U
PCB-205	ng/kg	171	166	104	60.9	69.4	59.7	83.2
PCB-206	ng/kg	5,070 E	5,910 E	5,710 E	3,030 E	4,070 E	3,930 E	6,420
PCB-207	ng/kg	881	1,060	723	418	598	669	840
PCB-208	ng/kg	3,190	3,370	2,600	1,500 E	1,980 E	2,070 E	3,530
PCB-209	ng/kg	3,410	3,710	3,270	1,970 E	2,450 E	R	4,020
Total PCB Congeners (209)	ng/kg	1,820,000 J	1,830,000 J	1,240,000 J	658,000 J	988,000 J	1,200,000 J	1,490,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	36 U	72 U	360 U	36 U	360 U	36 U	71 U
Aroclor-1221	ug/kg	46 U	92 U	460 U	46 U	460 U	46 U	90 U
Aroclor-1232	ug/kg	79 U	160 U	800 U	79 U	800 U	79 U	160 U
Aroclor-1242	ug/kg	33 U	66 U	330 U	33 U	330 U	33 U	65 U
Aroclor-1248	ug/kg	33 U	66 U	330 U	33 U	330 U	33 U	65 U
Aroclor-1254	ug/kg	33 U	66 U	330 U	33 U	330 U	33 U	65 U
Aroclor-1260	ug/kg	49 U	98 U	490 U	49 U	490 U	49 U	96 U
Aroclor-1262	ug/kg	410	250 J	330 U	140 J	330 U	33 U	320 J
Aroclor-1268	ug/kg	33 U	66 U	330 U	33 U	330 U	33 U	65 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	79 U	160 U	800 U	79 U	800 U	79 U	160 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	410	250 J	800 U	140 J	800 U	79 U	320 J
Pesticides								
2,4'-DDD	pg/g	149 DJ	171	551	251 J	316	233	274 D
2,4'-DDE	pg/g	376 DJ	369 B	721 D	506	919 D	511	755 DJ
2,4'-DDT	pg/g	10.8 UD	85.5	10.8 U	126 J	171	88.4 J	542 DJ
4,4'-DDD	pg/g	35,800 D	77,400 D	98,200 D	36,000 D	88,700 D	52,000 D	140,000 D
4,4'-DDE	pg/g	157,000 BD	274,000 BD	272,000 BD	135,000 BD	274,000 BD	211,000 BD	320,000 BD
4,4'-DDT	pg/g	437 DJ	601	591 B	684 B	2,190 B	635 B	3,150 D
Aldrin	pg/g	9.16 UD	9.16 U	8.92 J	9.16 U	9.16 U	9.16 U	9.16 UD

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
Alpha-BHC	pg/g	79.8 JD	71.4	112 J	71	66.6 J	78.3	80.2 JD
Alpha-Chlordane	pg/g	3,090 D	7,710 J	1,780	9,350	1,060	10,300	3,910 D
Beta-BHC	pg/g	153 D	270	298	145	157	152	141 D
cis-Nonachlor	pg/g	17,800 D	21,900 D	20,400 D	13,200	17,200	12,700 D	12,200 D
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	5.08 U	5.08 U	R	5.08 UD
Dieldrin	pg/g	11,400 D	R	20,100 D	15,500	17,600	9,050	6,300 D
Endosulfan I	pg/g	57.4 UD	R	57.4 U	57.4 U	57.4 U	57.4 U	57.4 UD
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 UD
Endosulfan Sulfate	pg/g	63.3 UD	63.3 UJ	63.3 U	63.3 U	63.3 U	63.3 U	63.3 UD
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 UD	13.9 U	13.9 U	13.9 UD
Endrin Aldehyde	pg/g	131 UD	145 J	R	131 UJ	131 U	131 UJ	R
Endrin Ketone	pg/g	76 UD	R	R	76 U	76 U	76 U	76 UD
Gamma-BHC (Lindane)	pg/g	7.69 UD	25.5 J	27.1 J	22.3 J	19.1 J	25 J	7.69 UD
Heptachlor	pg/g	32.5 UD	32.5 UJ	32.5 U	32.5 UD	1.58 J	32.5 U	32.5 UD
Heptachlor Epoxide	pg/g	13,500 D	16,700	12,900	9,080	10,700	8,860	9,690 D
Hexachlorobenzene	pg/g	3,940 BD	3,810 B	3,140 B	1,850 B	2,020 B	1,770 B	2,330 BD
Methoxychlor	pg/g	38.9 UD	R	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UDJ
Mirex	pg/g	497 D	630 J	608 J	550	530 J	573	458 D
Nonachlor, trans-	pg/g	29,800 D	63,000 D	36,800 D	19,900 D	27,900 D	21,100	22,000 D
Oxychlordane	pg/g	50,100 D	73,900 D	42,900 D	43,600 D	43,600 D	42,300 D	37,300 D
trans-Chlordane	pg/g	760 D	1,030	R	692	R	636 J	13.7 UD
trans-Heptachlor Epoxide	pg/g	2,520 D	5,130	3,030	2,850	2,340	3,420	4,460 D
Total Alpha + Gamma Chlordane	ppb	3.9 D	8.7 J	1.8 T	10	1.1 T	11 J	3.9 D
Total DDT (2,4)	ppb	0.53 DJ	0.63 B	1.3 D	0.88 J	1.4 D	0.83 J	1.6 DJ
Total DDT (4,4)	ppb	190 BDJ	350 BD	370 BD	170 BD	360 BD	260 BD	460 BD
Total DDT (2,4 & 4,4)	ppb	190 BDJ	350 BD	370 BD	170 BDJ	370 BD	260 BDJ	460 BDJ
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
1,2-Diphenylhydrazine	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
1-Methylnaphthalene	ug/kg	5.5 J	2.6 U	2.6 U	6.5 J	2.6 U	2.6 U	3.1 J
2,2'-oxybis(1-Chloropropane)	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
2,4,5-Trichlorophenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2,4,6-Trichlorophenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2,4-Dichlorophenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2,4-Dimethylphenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2,4-Dinitrophenol	ug/kg	1,200 U	6,000 U	5,800 UJ	5,800 U	6,000 UJ	5,800 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
2,6-Dinitrotoluene	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2-Chloronaphthalene	ug/kg	28 U	140 U	130 UJ	140 U	130 UJ	140 U	28 U
2-Chlorophenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2-Methylnaphthalene	ug/kg	5.2 J	2.6 U	6.8	12	4.5 J	3.4 J	4.3 J
2-Methylphenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2-Nitroaniline	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
2-Nitrophenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
3,3'-Dichlorobenzidine	ug/kg	400 U	2,000 U	1,900 U	1,900 U	2,000 U	1,900 U	400 U
3-Nitroaniline	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	3,300 U	3,200 U	3,200 U	3,300 U	3,200 U	660 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
4-Bromophenyl phenyl ether	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
4-Chloro-3-Methylphenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
4-Chloroaniline	ug/kg	130 U	670 U	650 U	650 U	660 U	650 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
4-Methylphenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	92 J
4-Nitroaniline	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
4-Nitrophenol	ug/kg	660 U	3,300 U	3,200 U	3,200 U	3,300 U	3,200 U	660 U
Acenaphthene	ug/kg	38	18	7.8	6.9	5.2 J	6.6	12
Acenaphthylene	ug/kg	4.8 J	2.6 U	3.2 J	2.6 U	2.6 U	2.6 U	2.6 U
Acetophenone	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
Anthracene	ug/kg	8.3	2.6 J	3.1 J	2.8 J	2.6 J	3.8 J	2.6 U
Atrazine	ug/kg	130 U	670 U	650 U	650 U	660 U	650 U	130 U
Benzaldehyde	ug/kg	4,500	1,300 U	1,300 U	2,300 J	1,300 U	3,500	360 J
Benzidine	ug/kg	2,800 U	14,000 U	14,000 U	14,000 U	14,000 U	14,000 U	2,800 U
Benzo(a)anthracene	ug/kg	4.2 J+	2.6 U	2.6 U	2.9 J+	2.6 U	2.6 U	2.6 U
Benzo(a)pyrene	ug/kg	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(e)pyrene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	19 J+	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	8.7 J+
Benzo(j,k)fluoranthene	ug/kg	2.6 U	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	2.6 U
Benzoic Acid	ug/kg	11,000 J	3,300 UJ	12,000	3,200 U	4,900 J	3,200 U	660 U
Biphenyl	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
bis(2-Chloroethoxy)methane	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
bis(2-Chloroethyl)ether	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
Butyl benzyl phthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
C1-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	10	2.6 U	19	2.6 U	12	11
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	10	2.6 U	15	2.6 U	7	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	6.1 J	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	130 U	670 U	650 U	650 U	660 U	650 U	130 U
Carbazole	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
Chrysene	ug/kg	6.7 J+	2.6 U	4.1 J+	4.8 J+	2.6 U	2.8 J	4.5 J+
Dibenzo(a,h)anthracene	ug/kg	4.3 J	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	2.7 J+

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-HEP122	NB03CRB123 08/24/15 NB03CRB-HEP123	NB03CRB124 09/08/15 NB03CRB-HEP124	NB03CRB125 08/30/15 NB03CRB-HEP125	NB03CRB126 09/08/15 NB03CRB-HEP126	NB03CRB127 08/30/15 NB03CRB-HEP127	NB03CRB129 08/19/15 NB03CRB-HEP129
Dibenzofuran	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
Diethyl phthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
Dimethylphthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
Di-n-Butylphthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
Di-n-Octylphthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
Fluoranthene	ug/kg	14 J+	7.1	12 J+	14 J+	4.1 J+	9.3	14 J+
Fluorene	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
Hexachlorocyclopentadiene	ug/kg	660 U	3,300 U	3,200 U	3,200 U	3,300 U	3,200 U	660 U
Hexachloroethane	ug/kg	130 U	670 U	650 U	650 U	660 U	650 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	520 J+	2.6 U	2.6 UJ	2.6 U	2.6 U	2.6 U	2.6 UJ
Isophorone	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
Naphthalene	ug/kg	5.7 J	2.9 J	2.6 U	5.1 J	2.6 U	2.9 J	2.8 J
Nitrobenzene	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
N-Nitroso-di-n-propylamine	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
N-Nitrosodiphenylamine	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	66 U
Pentachlorophenol	ug/kg	130 U	670 U	650 U	650 U	660 U	650 U	130 U
Perylene	ug/kg	9.1	2.6 U	7.7	4 J	6 J	2.6 U	12
Phenanthrene	ug/kg	7.4	4.1 J	5.6 J	3.8 J	2.6 U	6.8	4 J
Phenol	ug/kg	66 U	330 U	320 U	320 U	330 U	320 U	640
Pyrene	ug/kg	13 J+	5.8 J	12 J+	9.8 J+	6.8 J+	6.7	13 J+
Pyridine	ug/kg	410 J	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	260 U
Total HMW PAHs	ppb	580 J	13 J	28 J	32 J	11 J	19 J	43 J
Total LMW PAHs	ppb	69 J	28 J	27 J	31 J	12 J	24 J	23 J
TOTAL PAHs	ppb	650 J	41 J	55 J	62 J	23 J	42 J	66 J
Physical Properties[1]								
Percent Moisture	%	74.4	65.3	70.1	71.1	69.3	69.6	68.2
Water Content ASTM D2216	%	290	188	234	246	226	229	215

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-HEP130	NB03CRB-HEP131	NB03CRB-HEP132	NB03CRB-HEP133	NB03CRB-HEP134	NB03CRB-HEP-C001	NB03CRB-HEP-C002
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	1.97 JB	2.19 JB	2.76 JB	2.89 JB	1.77 JB	2.21 JB	2.49 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	8.93 B	8.8 B	19.7 B	34.2 B	3.39 JB	10.9 B	22 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.2 JBQ	0.123 U	0.131 U	0.117 U	0.0756 JBQ	0.265 JBQ	0.147 U
1,2,3,4,7,8-HxCDD	ng/kg	0.641 JB	0.515 JBQ	0.841 JBQ	0.934 JBQ	0.51 JB	0.53 JB	0.866 JBQ
1,2,3,4,7,8-HxCDF	ng/kg	6.92 BC	5.73 BC	24.7 C	26 C	2.13 J	12.8 BC	18.7 BC
1,2,3,6,7,8-HxCDD	ng/kg	2.02 JBQ	1.59 JB	2.68 J	2.62 JQ	1.44 J	2.22 JB	2.47 JB
1,2,3,6,7,8-HxCDF	ng/kg	3.52 JB	2.82 JB	5.22 C	6.78 C	1.62 JB	4.64 JB	6.94 CQ
1,2,3,7,8,9-HxCDD	ng/kg	0.61 JB	0.586 JBQ	0.873 JQ	0.867 J	0.565 JQ	0.828 JBQ	0.881 JB
1,2,3,7,8,9-HxCDF	ng/kg	0.114 JBQ	0.0649 JBQ	0.108 JB	0.15 JBQ	0.0881 JB	0.143 JBQ	0.0985 U
1,2,3,7,8-PeCDD	ng/kg	0.0869 U	1.94 JBQ	3.38 J	3.05 J	1.81 JQ	1.97 J	2.9 JB
1,2,3,7,8-PeCDF	ng/kg	6.04 BC	5.44 BC	8.59 BC	9.17 BC	3.6 JB	6.55 BC	8.69 BC
2,3,4,6,7,8-HxCDF	ng/kg	0.948 JB	0.771 JB	1.91 J	1.85 J	0.606 J	1.32 JB	1.41 JB
2,3,4,7,8-PeCDF	ng/kg	13.5 BC	11.4 BC	21.2 BC	20.1 BC	5.82 BC	18.3 BC	21.8 BC
2,3,7,8-TCDD	ng/kg	76.8	72.9	113	139	15.7	80.4	103
2,3,7,8-TCDF	ng/kg	32.8 C	34.1 BC	39.1 C	34.2 C	19.3 C	32.3 C	42.3 BC
OCDD	ng/kg	4.75 JB	6.29 JB	4.85 JB	5.94 JB	3.52 JB	4.51 JB	4.83 JB
OCDF	ng/kg	0.363 JBQ	0.445 JB	0.561 JBQ	0.868 JB	0.189 JB	0.578 JB	0.388 JB
Percent Lipid	%	6	6.6	9.1	9.2	6.3	7.7	9.5
Metals								
Aluminum	mg/kg	5.49 U	5.38 U	8.42 B	12.1 B	5.44 U	14.4 B	5.49 U
Antimony	mg/kg	0.0647 U	0.0635 U	0.0641 U	0.0629 U	0.0641 U	0.0635 U	0.0647 U
Arsenic	mg/kg	5.36	3.24	4.37	2.02	3.72	2.79	3.48
Barium	mg/kg	0.608	0.246 B	0.599	0.572	0.409	6.4	0.312 B
Beryllium	mg/kg	0.0139 U	0.0137 U	0.0138 U	0.0135 U	0.0138 U	0.0137 U	0.0139 U
Cadmium	mg/kg	2.07	0.91	1.53	0.378	0.535	1.09	0.822
Calcium	mg/kg	2,520	3,440	4,640	3,060	3,600	14,100	4,100
Chromium	mg/kg	0.197 B	0.0992 B	0.154 B	0.146 B	0.118 B	0.172 B	0.098 U
Cobalt	mg/kg	0.371	0.157	0.301	0.174	0.29	0.182	0.19
Copper	mg/kg	103	51.6	64	33.9	68	50.9	39
Iron	mg/kg	69	42.3	62.7	41.5	78.6	67.1	40.6
Lead	mg/kg	0.359	0.156 B	0.25	0.172 B	0.41	0.25	0.122 B
Magnesium	mg/kg	487	569	927	490	596	1,240	541
Manganese	mg/kg	4.65	2.57	3.3	3.8	1.96	28.1	2.78
Mercury	ng/g	58.1	80.6	56	100	41.7	51.8	92.8
Methyl Mercury	ng/g	33.5	51.8	36.1	56.5	12	53.6	84.1
Nickel	mg/kg	0.561	0.318 B	0.461	0.228 B	0.518	0.32 B	0.293 B
Potassium	mg/kg	2,690	2,890	4,180	2,030	2,930	2,880	2,990
Selenium	mg/kg	2.58	1.54	2.34	1.11	1.54	1.77	1.76
Silver	mg/kg	2.11	1.29	2.15	1.08	0.711	1.78	1.11
Sodium	mg/kg	4,210	4,330	6,250	4,080	5,630	4,490	3,770
Thallium	mg/kg	0.0294 U	0.0288 U	0.0291 U	0.0286 U	0.0291 U	0.0288 U	0.0294 U
Titanium	mg/kg	0.167 U	0.216 B	0.245 B	0.428 B	0.165 U	0.502 B	0.179 B
Vanadium	mg/kg	0.161	0.132	0.182	0.118	0.186	0.159	0.101
Zinc	mg/kg	56.5	25.3	61.7	32.1	47.8	56.7	34.6
Butyltins								
Dibutyltin	ug/kg	1.7 J	1.3 J	1.3 UJ	1.3 UJ	1.6 J	1.3 UJ	1.3 UJ
Monobutyltin	ug/kg	20 UJCN	20 UJCN	21 UJCN	20 UJCN	20 UJCN	20 UJCN	20 UJ

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-HEP130	NB03CRB131 08/26/15 NB03CRB-HEP131	NB03CRB132 08/24/15 NB03CRB-HEP132	NB03CRB133 08/24/15 NB03CRB-HEP133	NB03CRB134 08/24/15 NB03CRB-HEP134	NB03CRBCEN 08/30/15 NB03CRB-HEP-C001	NB03CRBCEN 08/26/15 NB03CRB-HEP-C002
Tetrabutyltin	ug/kg	1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	1.6 UJ	1.6 UJ	1.7 UJ
Tributyltin	ug/kg	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.4 UJ	1.4 UJ	1.5 UJ
PCB Congeners								
PCB-1	ng/kg	4.96 U	25.2	4.98 U	6.98 J	7.14 J	4.97 U	5.41 J
PCB-2	ng/kg	3.47 U	3.39 U	3.49 U	3.49 U	3.49 U	3.48 U	3.38 U
PCB-3	ng/kg	R	R	5.48 U	R	R	R	5.3 U
PCB-4	ng/kg	6.45 U	114 B	26	6.48 U	38.5	34 B	52 B
PCB-5	ng/kg	3.97 U	3.88 U	3.98 U	3.99 U	3.99 U	3.98 U	3.86 U
PCB-6	ng/kg	32.8 B	66.8 B	16	29.4	3.49 U	3.48 U	23.2 B
PCB-7	ng/kg	4.34 J	3.88 U	3.98 U	3.99 U	3.99 U	3.98 U	3.86 U
PCB-8	ng/kg	127 B	198 B	7.47 U	144	7.48 U	67.5 B	99.9 B
PCB-9	ng/kg	3.47 U	3.39 U	3.49 U	3.49 U	3.49 U	3.68 J	3.38 U
PCB-10	ng/kg	6.45 U	6.3 U	6.47 U	6.48 U	6.48 U	6.46 U	6.27 U
PCB-11	ng/kg	424	671 B	312 B	465 B	291 B	244 B	451 B
PCB-12/13	ng/kg	106	125	83.6	148	72.2	51	98.9
PCB-14	ng/kg	3.97 U	3.88 U	3.98 U	3.99 U	3.99 U	3.98 U	3.86 U
PCB-15	ng/kg	2,100 BE	2,030 E	3,040 E	2,900 E	1,500 E	1,780 BE	3,790 E
PCB-16	ng/kg	4.46 U	71.3 B	19.8	28.8	23.3	4.47 U	34.5 B
PCB-17	ng/kg	243	368 B	127	150	69.4	213 B	197 B
PCB-18/30	ng/kg	306	567 B	190	199	98.1	546 B	269 B
PCB-19	ng/kg	24.9	47	10.6	18.7	10.6	11.2	22.8
PCB-20/28	ng/kg	49,500 BE	53,000 BE	99,900 BE	78,100 BE	24,800 BE	47,800 BE	137,000 BE
PCB-21/33	ng/kg	343 B	587	239	373	146	201 B	405
PCB-22	ng/kg	539 B	1,010	335	553	294	383 B	837
PCB-23	ng/kg	3.47 U	3.39 U	3.49 U	3.49 U	3.49 U	3.48 U	3.38 U
PCB-24	ng/kg	4.96 U	4.85 U	4.98 U	4.99 U	4.99 U	4.97 U	4.82 U
PCB-25	ng/kg	282	490	258	392	137	235	472
PCB-26/29	ng/kg	340 B	788	246	254	115	404	401
PCB-27	ng/kg	76.3	142	43.8	39.4	18.7	110	68.4
PCB-31	ng/kg	1,970 BE	3,460 BE	1,320	1,530 E	911	2,130 BE	2,760 BE
PCB-32	ng/kg	554 B	734 B	232	309	142	411 B	410 B
PCB-34	ng/kg	54	78.9	49.1	42.5	7.4 J	41	61.5
PCB-35	ng/kg	52.5	68.8	35.7	60.8	27.9	20.5	43.9
PCB-36	ng/kg	24	35.3	18.3	25	11.5	8.58 J	32.4
PCB-37	ng/kg	6,890 BE	6,020 E	9,100 E	7,900 E	3,600 E	4,600 E	10,600 E
PCB-38	ng/kg	29.7	3.39 U	83.1	3.49 U	3.49 U	24	95.3
PCB-39	ng/kg	109	132	205	202	40.3	85.3	313
PCB-40/71	ng/kg	2,770	3,090	1,070	1,300	400	2,080	1,640
PCB-41	ng/kg	20.8 U	32.5 J	20.9 U	20.9 U	20.9 U	20.9 U	20.3 U
PCB-42	ng/kg	732	1,040	398	653	233	956	804
PCB-43	ng/kg	195	244	67.3	74.3	28.1	113	93.1
PCB-44/47/65	ng/kg	56,200 BE	55,000 E	74,800 E	100,000 E	20,700 E	59,300 E	89,800 E
PCB-45	ng/kg	17.2 J	40.5	11 U	14.5 J	11 U	21.5 J	22.5 J
PCB-46	ng/kg	14.8	43.1	7.45 J	14.3	5.01 J	22.2	19.5
PCB-48	ng/kg	256	386	109	181	56.7	226	200
PCB-49/69	ng/kg	1,200 B	2,160	837	1,120	450	3,100	1,510
PCB-50/53	ng/kg	75.8	231	55.6	78.9	28.3 J	276	113
PCB-51	ng/kg	80	174	59.6	98.8	25.2	132	106

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-HEP130	NB03CRB131 08/26/15 NB03CRB-HEP131	NB03CRB132 08/24/15 NB03CRB-HEP132	NB03CRB133 08/24/15 NB03CRB-HEP133	NB03CRB134 08/24/15 NB03CRB-HEP134	NB03CRBCEN 08/30/15 NB03CRB-HEP-C001	NB03CRBCEN 08/26/15 NB03CRB-HEP-C002
PCB-52	ng/kg	1,130	3,040 E	849	902	299	4,470 BE	1,300
PCB-54	ng/kg	6.94 U	6.79 U	6.97 U	6.98 U	6.98 U	6.96 U	6.75 U
PCB-55	ng/kg	94.2	5.82 U	204	5.98 U	5.98 U	5.96 U	5.79 U
PCB-56	ng/kg	1,260	1,970	622	1,370	523	827	1,620
PCB-57	ng/kg	45.2	79.1	22.8 J	30.6	8.86 J	40.1	46.3
PCB-58	ng/kg	43	6.79 U	35.7	51.8	9.23 J	29.6	149
PCB-60	ng/kg	11,200 BE	12,300 E	13,600 E	15,100 E	6,470 E	7,890 E	18,900 E
PCB-61/70/74/76	ng/kg	68,200 BE	74,800 E	96,700 E	102,000 E	29,600 E	57,100 E	120,000 E
PCB-62/75	ng/kg	4,250	3,800	4,770	6,160	1,470	4,480	7,030
PCB-63	ng/kg	1,510	1,680	1,230	2,050	459	911	2,450
PCB-64	ng/kg	1,800 B	2,390	835	1,380	595	2,370	1,890
PCB-66	ng/kg	96,700 BE	94,400 BE	124,000 BE	159,000 BE	43,500 BE	90,900 BE	175,000 BE
PCB-67	ng/kg	257	354	223	482	118	214	386
PCB-68	ng/kg	612	717	695	1,070	218	504	1,520
PCB-72	ng/kg	255	396	197	240	48	255	393
PCB-73	ng/kg	69.7	105	30.5	36.8	6.98 U	52.7	114
PCB-77	ng/kg	R	R	7,800 E	R	R	R	9,490 E
PCB-78	ng/kg	7.94 U	7.76 U	7.97 U	7.98 U	7.98 U	7.95 U	7.71 U
PCB-79	ng/kg	224	295	329	315	149	216	511
PCB-80	ng/kg	17.8 J	20.4 J	19.4 J	21 J	10.3 J	14.6 J	34.6
PCB-81	ng/kg	320	364	303	324	175	194	446
PCB-82	ng/kg	81.8	291	72.1	125	7.48 U	193	7.23 U
PCB-83	ng/kg	14.4 U	14.1 U	14.4 U	14.5 U	30.8 J	136	14 U
PCB-84	ng/kg	348	871	134	312	84.9	269	492
PCB-85/116/117	ng/kg	21,500 E	44,000 E	22,100 E	42,900 E	16,800 E	18,700 E	67,600 E
PCB-86/87/97/109/119/125	ng/kg	9,220	18,800 E	8,440	18,700 E	5,850	9,420	28,900 E
PCB-88	ng/kg	10.9 U	10.7 U	11 U	11 U	11 U	10.9 U	10.6 U
PCB-89	ng/kg	7.52 J	44.7	6.47 U	14.3 J	6.48 U	22.2 J	19.9 J
PCB-90/101/113	ng/kg	6,660 B	11,400 E	4,210	8,390	2,460	8,880 B	13,200 E
PCB-91	ng/kg	738	1,820	443	1,010	268	1,080	1,500
PCB-92	ng/kg	751	2,430	484	762	213	1,460	1,490
PCB-93/100	ng/kg	4,450	8,660 E	4,100	18,300 E	2,310	4,130	13,700 E
PCB-94	ng/kg	182	447	91	211	32.1	124	344
PCB-95	ng/kg	1,620	1,940	710	672	348	R	1,210
PCB-96	ng/kg	7.44 U	7.32 J	7.47 U	7.48 U	7.48 U	7.46 U	7.23 U
PCB-98/102	ng/kg	222	444	88.6 J	238	49.7 J	176	335
PCB-99	ng/kg	109,000 BE	187,000 E	121,000 E	188,000 E	70,600 E	93,700 E	296,000 E
PCB-103	ng/kg	28.9	110	27.4	5.48 U	21.1 J	104	113
PCB-104	ng/kg	6.94 U	7.51 J	6.97 U	6.98 U	6.98 U	6.96 U	7.38 J
PCB-105	ng/kg	33,500 BE	37,200 EJ	41,200 E	41,900 EJ	30,200 EJ	25,400 EJ	52,900 EJ
PCB-106	ng/kg	8.43 U	8.24 U	8.47 U	8.47 U	8.47 U	8.45 U	8.2 U
PCB-107	ng/kg	6,560 E	21,900 E	6,890 E	20,900 E	5,440 E	4,670 E	33,200 E
PCB-108/124	ng/kg	327	1,080	180	556	143	259	885
PCB-110/115	ng/kg	7,330 BE	19,200 E	6,010 E	11,400 E	5,080	8,940 E	19,800 E
PCB-111	ng/kg	166	343 J	156	297	67.5	157	586
PCB-112	ng/kg	6.94 U	6.79 U	65.4	6.98 U	86.5	101	6.75 U
PCB-114	ng/kg	3,000 E	3,500 EJ	2,930	3,540 EJ	2,340 J	2,130	4,190 EJ
PCB-118	ng/kg	133,000 BE	174,000 BEJ	165,000 E	189,000 EJ	120,000 EJ	106,000 BEJ	R

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-HEP130	NB03CRB131 08/26/15 NB03CRB-HEP131	NB03CRB132 08/24/15 NB03CRB-HEP132	NB03CRB133 08/24/15 NB03CRB-HEP133	NB03CRB134 08/24/15 NB03CRB-HEP134	NB03CRBCEN 08/30/15 NB03CRB-HEP-C001	NB03CRBCEN 08/26/15 NB03CRB-HEP-C002
PCB-120	ng/kg	933	1,960	1,050	1,800	521	852	3,220 E
PCB-121	ng/kg	120	208	108	298	52.7	102	346
PCB-122	ng/kg	60.1	222	43.8	5.98 U	5.98 U	35.7	241
PCB-123	ng/kg	2,450	2,950 EJ	2,790	3,170 EJ	2,180	2,200	3,750 EJ
PCB-126	ng/kg	354	305 J	301	400 J	280	242	430 J
PCB-127	ng/kg	112	208 J	190	194 J	186 J	103	265 J
PCB-128/166	ng/kg	10,200 E	12,200 E	14,100 E	15,400 E	12,100 E	9,790 E	17,500 E
PCB-129/138/163	ng/kg	107,000 BE	109,000 E	143,000 E	128,000 E	98,500 E	90,200 E	142,000 E
PCB-130	ng/kg	1,970	2,200	1,660	2,100	877	1,470	2,460
PCB-131	ng/kg	80.1	R	63.8	69.9	30.5	74.7	101
PCB-132	ng/kg	68.1	265	182	157	111	610	292
PCB-133	ng/kg	2,220	3,330 E	2,080	2,660	1,400	1,980	4,370 E
PCB-134	ng/kg	34.6 J	116	46.2 J	49.5 J	22.8 J	106	90.2
PCB-135/151	ng/kg	836	22.3 U	924	612	289	1,990	999
PCB-136	ng/kg	61.7	112	69.1	52.9	28.7	138	86.6
PCB-137	ng/kg	5,790 E	6,600 E	5,620 E	7,340 E	6,250 E	4,820 E	8,030 E
PCB-139/140	ng/kg	2,120	2,860	2,530	3,240	2,020	1,870	3,650
PCB-141	ng/kg	470	728	311	370	301	653	622
PCB-142	ng/kg	8.43 U	8.24 U	8.47 U	8.47 U	8.47 U	8.45 U	8.2 U
PCB-143	ng/kg	19.8 J	16 U	16.4 U	16.5 U	16.5 U	16.4 U	15.9 U
PCB-144	ng/kg	301	252	204	150	88.5	294	7.23 U
PCB-145	ng/kg	7.94 U	7.76 U	7.97 U	7.98 U	7.98 U	7.95 U	7.71 U
PCB-146	ng/kg	21,300 E	22,900 E	23,600 E	R	R	R	32,300 E
PCB-147/149	ng/kg	5,680 B	7,060 E	5,070	5,880	2,660	6,540 E	7,470 E
PCB-148	ng/kg	603	588	668	517	253	546	746
PCB-150	ng/kg	7.44 U	7.46 J	11.4 J	8.7 J	7.48 U	19.1 J	13.9 J
PCB-152	ng/kg	6.94 U	6.79 U	6.97 U	6.98 U	6.98 U	6.96 U	6.75 U
PCB-153/168	ng/kg	185,000 BE	152,000 BE	236,000 E	192,000 E	133,000 E	145,000 BE	205,000 BE
PCB-154	ng/kg	4,960 E	5,440 E	5,720 E	4,730 E	3,130 E	4,510 E	6,770 E
PCB-155	ng/kg	1,130	1,260	1,430	1,930	362	1,070	2,030
PCB-156/157	ng/kg	12,000 E	14,600 E	11,200 E	15,600 E	13,700 E	8,850 E	19,500 E
PCB-158	ng/kg	11,800 E	14,200 E	11,000 E	15,200 E	12,500 E	9,170 E	16,200 E
PCB-159	ng/kg	33.9	38	36.2	74.9	28.2	26.3	62.3
PCB-160	ng/kg	31.3 U	30.6 U	31.4 U	31.4 U	31.4 U	31.3 U	30.4 U
PCB-161	ng/kg	6.45 U	6.3 U	22.6 J	R	R	17.8 J	6.27 U
PCB-162	ng/kg	642	879	620	767	529	451	1,190
PCB-164	ng/kg	432	513	275	319	153	355	376
PCB-165	ng/kg	R	147	100	R	R	110	R
PCB-167	ng/kg	4,820 E	5,550 E	4,670 E	6,420 E	5,370 E	3,810 E	7,740 E
PCB-169	ng/kg	7.44 U	7.27 U	7.47 U	207	17 J	7.99 J	7.23 U
PCB-170	ng/kg	11,200 E	9,470 E	11,100 E	17,000 E	14,000 E	9,960 E	16,900 E
PCB-171/173	ng/kg	R	R	5,920	R	R	R	R
PCB-172	ng/kg	2,800	3,420 E	3,150 E	3,620 E	2,350	2,490	5,470 E
PCB-174	ng/kg	R	R	347	R	R	R	731
PCB-175	ng/kg	1,130	R	1,010	R	R	901	1,720
PCB-176	ng/kg	92.5	130	89.7	91.7	64.6	121	117
PCB-177	ng/kg	R	R	3,740 E	R	R	R	R
PCB-178	ng/kg	R	9,220 E	6,370 E	R	R	6,700 E	11,700 E

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-HEP130	NB03CRB131 08/26/15 NB03CRB-HEP131	NB03CRB132 08/24/15 NB03CRB-HEP132	NB03CRB133 08/24/15 NB03CRB-HEP133	NB03CRB134 08/24/15 NB03CRB-HEP134	NB03CRBCEN 08/30/15 NB03CRB-HEP-C001	NB03CRBCEN 08/26/15 NB03CRB-HEP-C002
PCB-179	ng/kg	37.2	189	133	104	54.9	332	209
PCB-180/193	ng/kg	60,500 BE	57,000 E	50,100 E	70,700 E	65,600 E	45,600 E	81,600 E
PCB-181	ng/kg	R	R	267	R	R	R	R
PCB-182	ng/kg	R	R	246	R	R	R	R
PCB-183/185	ng/kg	R	R	20,400 E	R	R	15,200 E	36,300 E
PCB-184	ng/kg	159	216	234	212	64.3	170	342
PCB-186	ng/kg	7.44 U	7.27 U	7.47 U	7.48 U	7.48 U	7.46 U	7.23 U
PCB-187	ng/kg	R	R	48,800 E	R	R	R	R
PCB-188	ng/kg	302	376	277	297	162	261	518
PCB-189	ng/kg	758	934	804	1,230	968	626	1,480
PCB-190	ng/kg	3,530 E	2,240	839	3,390 E	3,160 E	3,030 E	2,850
PCB-191	ng/kg	936	1,050	871	1,180	1,110	677	1,530
PCB-192	ng/kg	6.72 J	7.32 J	12.5 J	6.48 U	6.48 U	10.2 J	21.1 J
PCB-194	ng/kg	6,690 E	5,390 E	6,600 E	8,930 E	6,290 E	5,550 E	9,620 E
PCB-195	ng/kg	1,350	1,230	1,770	2,390	1,700	1,400	2,380
PCB-196	ng/kg	6,450 E	5,570 E	4,380	6,840 E	5,750 E	5,070 E	7,060 E
PCB-197/200	ng/kg	R	712	745	661	546	R	1,080
PCB-198/199	ng/kg	13,200 E	11,500 E	8,560	18.4 U	7,760	11,600 E	17,200 E
PCB-201	ng/kg	1,950	2,210	2,170	1,900	1,180	1,630	3,450
PCB-202	ng/kg	4,300	4,960 E	3,920	3,770	1,700	4,090	7,810 E
PCB-203	ng/kg	8,280 E	5,750 E	6,480 E	7,540 E	5,530 E	6,510 E	8,600 E
PCB-204	ng/kg	23.2 J	26.5	35.3	32.9	10.5 U	21.5 J	48.8
PCB-205	ng/kg	99.1	78.4	155	172	116	99.4	200
PCB-206	ng/kg	4,200	3,790	4,170	4,550 E	2,440	4,180	5,900 E
PCB-207	ng/kg	559	602	711	711	376	570	952
PCB-208	ng/kg	2,100	1,990	2,640	2,340	915	2,220	3,710
PCB-209	ng/kg	2,960	2,850	2,950	2,810	1,150	2,540	4,490 E
Total PCB Congeners (209)	ng/kg	1,170,000 J	1,370,000 J	1,510,000 J	1,590,000 J	820,000 J	1,010,000 J	1,850,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	140 U	35 U	72 U	72 U	71 U	36 U	36 U
Aroclor-1221	ug/kg	180 U	45 U	92 U	92 U	91 U	46 U	46 U
Aroclor-1232	ug/kg	320 U	78 U	160 U	160 U	160 U	79 U	79 U
Aroclor-1242	ug/kg	130 U	32 U	66 U	66 U	65 U	33 U	33 U
Aroclor-1248	ug/kg	130 U	32 U	66 U	66 U	65 U	33 U	33 U
Aroclor-1254	ug/kg	130 U	32 U	66 U	66 U	65 U	33 U	33 U
Aroclor-1260	ug/kg	190 U	48 U	98 U	98 U	97 U	49 U	49 U
Aroclor-1262	ug/kg	330 J	32 U	210 J	280 J	210 J	270	330 P
Aroclor-1268	ug/kg	130 U	32 U	66 U	66 U	65 U	33 U	33 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	320 U	78 U	160 U	160 U	160 U	79 U	79 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	330 J	78 U	210 J	280 J	210 J	270	330 P
Pesticides								
2,4'-DDD	pg/g	434	371	243	185	603	328	390
2,4'-DDE	pg/g	6,270	3,040 B	352 B	480 B	723 B	423	726 B
2,4'-DDT	pg/g	685	245	110	139	383	47.9	229
4,4'-DDD	pg/g	228,000 DJ	93,500 BD	87,200 D	117,000 D	475,000 D	45,700 D	89,300 BD
4,4'-DDE	pg/g	670,000 BED	335,000 BD	281,000 BD	292,000 BD	643,000 BD	156,000 BD	340,000 BD
4,4'-DDT	pg/g	8,770 B	9,000 B	1,340 J	304 J	2,600 J	511 B	817 B
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-HEP130	NB03CRB131 08/26/15 NB03CRB-HEP131	NB03CRB132 08/24/15 NB03CRB-HEP132	NB03CRB133 08/24/15 NB03CRB-HEP133	NB03CRB134 08/24/15 NB03CRB-HEP134	NB03CRBCEN 08/30/15 NB03CRB-HEP-C001	NB03CRBCEN 08/26/15 NB03CRB-HEP-C002
Alpha-BHC	pg/g	125	90.6	77.3	92.2	72.5	67.8	127
Alpha-Chlordane	pg/g	5,230	2,570	6,190	8,160	3,340	10,600	6,460
Beta-BHC	pg/g	411 J	192	286	343	200	170	299
cis-Nonachlor	pg/g	13,200 J	11,900 D	21,100 D	26,000 D	9,130 J	11,700	22,200 E
Delta-BHC	pg/g	R	5.08 U	5.08 U	19.6 J	42.2	R	5.08 U
Dieldrin	pg/g	15,100	16,200	27,900 D	30,500 D	14,600 J	9,270	31,900 D
Endosulfan I	pg/g	R	57.4 U	R	57.4 U	R	57.4 U	R
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	R	63.3 U	63.3 U	R	63.3 UJ	63.3 U	63.3 U
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	228 J	R	R	R	187 J	R	R
Endrin Ketone	pg/g	R	R	R	R	R	76 U	R
Gamma-BHC (Lindane)	pg/g	21.4 J	25.2 J	32.1	33.7 J	21.1 J	7.69 U	48.5
Heptachlor	pg/g	32.5 UJ	32.5 U	32.5 U	32.5 U	32.5 UJ	32.5 UD	32.5 U
Heptachlor Epoxide	pg/g	10,600	11,000	12,000	14,500	8,190	6,940	15,300
Hexachlorobenzene	pg/g	4,930 B	2,880 B	4,580 B	5,570 B	2,070 B	2,090 B	4,770 B
Methoxychlor	pg/g	38.9 U	38.9 UJ	R	R	R	38.9 UJ	R
Mirex	pg/g	656 J	618 J	697 J	700 J	353 J	458	971 J
Nonachlor, trans-	pg/g	35,100 D	28,100 E	49,100 D	53,300 D	21,000	19,300 D	41,000 D
Oxychlordane	pg/g	52,100 DJ	46,500 D	78,600 D	81,100 D	30,500 DJ	33,300 D	52,000 D
trans-Chlordane	pg/g	476	513	966	1,080	533	750	1,280
trans-Heptachlor Epoxide	pg/g	4,500	3,820	3,310	3,980	2,590	2,450	4,910
Total Alpha + Gamma Chlordane	ppb	5.7	3.1	7.2	9.2	3.9	11	7.7
Total DDT (2,4)	ppb	7.4	3.7 B	0.71 B	0.8 B	1.7 B	0.8	1.3 B
Total DDT (4,4)	ppb	910 BDJ	440 BD	370 BDJ	410 BDJ	1,100 BDJ	200 BD	430 BD
Total DDT (2,4 & 4,4)	ppb	910 BDJ	440 BD	370 BDJ	410 BDJ	1,100 BDJ	200 BD	430 BD
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
1,2-Diphenylhydrazine	ug/kg	330 U	86 J	330 U	67 U	330 U	NA	650 U
1-Methylnaphthalene	ug/kg	13 U	2.6 U	2.7 U	6.7	2.7 U	2.7 U	2.7 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
2,4,5-Trichlorophenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2,4,6-Trichlorophenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2,4-Dichlorophenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2,4-Dimethylphenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2,4-Dinitrophenol	ug/kg	6,000 U	1,200 U	6,000 U	1,200 U	5,900 U	NA	12,000 U
2,4-Dinitrotoluene	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
2,6-Dinitrotoluene	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2-Chloronaphthalene	ug/kg	130 UJ	28 U	140 U	28 U	140 U	NA	270 U
2-Chlorophenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2-Methylnaphthalene	ug/kg	13 U	3.1 J	2.7 U	5.6 J	2.7 U	3.3 J	2.7 U
2-Methylphenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2-Nitroaniline	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
2-Nitrophenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	400 U	2,000 U	400 U	2,000 U	NA	3,900 U
3-Nitroaniline	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	670 U	3,300 U	670 U	3,300 U	NA	6,500 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-HEP130	NB03CRB131 08/26/15 NB03CRB-HEP131	NB03CRB132 08/24/15 NB03CRB-HEP132	NB03CRB133 08/24/15 NB03CRB-HEP133	NB03CRB134 08/24/15 NB03CRB-HEP134	NB03CRBCEN 08/30/15 NB03CRB-HEP-C001	NB03CRBCEN 08/26/15 NB03CRB-HEP-C002
4-Bromophenyl phenyl ether	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
4-Chloro-3-Methylphenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
4-Chloroaniline	ug/kg	670 U	130 U	670 U	130 U	650 U	NA	1,300 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
4-Methylphenol	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
4-Nitroaniline	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
4-Nitrophenol	ug/kg	3,300 U	670 U	3,300 U	670 U	3,300 U	NA	6,500 U
Acenaphthene	ug/kg	13 U	7	16	65	6.9	7.2	13
Acenaphthylene	ug/kg	13 U	2.6 U	2.7 U	4.1 J	2.7 U	2.7 U	2.7 J
Acetophenone	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
Anthracene	ug/kg	13 U	3.3 J	3.1 J	3.7 J	2.7 U	2.7 U	3.1 J
Atrazine	ug/kg	670 U	130 U	670 U	130 U	650 U	NA	1,300 U
Benzaldehyde	ug/kg	1,300 UJ	380 J	1,600 J	2,800	1,900 J	NA	2,600 UJ
Benzidine	ug/kg	14,000 U	2,800 U	14,000 U	2,800 U	14,000 U	NA	27,000 U
Benzo(a)anthracene	ug/kg	13 U	2.6 U	2.7 U	2.7 J	2.7 U	2.7 U	2.7 U
Benzo(a)pyrene	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzo(b)fluoranthene	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzo(e)pyrene	ug/kg	13 U	2.6 U	2.7 U	2.8 J	2.7 U	2.7 U	2.7 U
Benzo(g,h,i)perylene	ug/kg	13 UJ	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzo(j,k)fluoranthene	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Benzoic Acid	ug/kg	3,300 U	1,500 J	3,300 UJ	5,500 J	4,300 J	NA	6,500 U
Biphenyl	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
bis(2-Chloroethyl)ether	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
Butyl benzyl phthalate	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
C1-Chrysenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C1-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C1-Fluorenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C1-Naphthalenes	ug/kg	13 U	13	10	14	2.7 U	7	9.9
C1-Phenanthrenes/Anthracenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C2-Chrysenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C2-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C2-Fluorenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C2-Naphthalenes	ug/kg	13 U	2.6 U	2.7 U	17	2.7 U	2.7 U	2.7 U
C2-Phenanthrene/anthracenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C3-Chrysenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C3-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C3-Fluorenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C3-Naphthalene	ug/kg	13 U	2.6 U	2.7 U	14	2.7 U	2.7 U	2.7 U
C3-Phenanthrene/anthracenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C4-Chrysenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
C4-Naphthalene	ug/kg	13 U	2.6 U	2.7 U	14	2.7 U	2.7 U	2.7 U
C4-Phenanthrenes/anthracenes	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Caprolactam	ug/kg	670 U	130 U	670 U	130 U	650 U	NA	1,300 U
Carbazole	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
Chrysene	ug/kg	13 U	3.9 J+	2.7 U	4.5 J	2.7 U	2.7 U	2.7 U
Dibenzo(a,h)anthracene	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-HEP130	NB03CRB-HEP131	NB03CRB-HEP132	NB03CRB-HEP133	NB03CRB-HEP134	NB03CRB-HEP-C001	NB03CRB-HEP-C002
Dibenzofuran	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
Diethyl phthalate	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
Dimethylphthalate	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
Di-n-Butylphthalate	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
Di-n-Octylphthalate	ug/kg	1,300 U	270 U	1,300 U	270 U	1,300 U	NA	2,600 U
Fluoranthene	ug/kg	13 U	14 J+	7.8 J+	11	5.4 J+	8.6 J+	6.4 J+
Fluorene	ug/kg	13 U	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Hexachlorobutadiene	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	670 U	3,300 U	670 U	3,300 U	NA	6,500 U
Hexachloroethane	ug/kg	670 U	130 U	670 U	130 U	650 U	NA	1,300 U
Indeno(1,2,3-cd)pyrene	ug/kg	13 UJ	2.6 U	2.7 U	2.7 U	2.7 U	2.7 U	2.7 U
Isophorone	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
Naphthalene	ug/kg	13 U	2.6 U	2.7 U	5.3 J	2.7 U	3 J	2.7 U
Nitrobenzene	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
N-Nitrosodiphenylamine	ug/kg	330 U	67 U	330 U	67 U	330 U	NA	650 U
Pentachlorophenol	ug/kg	670 U	130 U	670 U	130 U	650 U	NA	1,300 U
Perylene	ug/kg	13 U	2.6 U	2.7 U	4.3 J	2.7 U	3.7 J	2.7 U
Phenanthrene	ug/kg	13 U	2.6 U	4.7 J	6.4 J	2.7 U	2.7 J	2.7 U
Phenol	ug/kg	330 U	250	330 U	180	400 J	NA	650 U
Pyrene	ug/kg	13 U	7.5 J+	8.6 J+	11	3.5 J+	4.1 J+	4.9 J+
Pyridine	ug/kg	1,300 U	1,200	1,300 U	270 U	1,300 U	NA	2,600 U
Total HMW PAHs	ppb	13 UJ	25 J	16 J	29 J	8.9 J	13 J	11 J
Total LMW PAHs	ppb	13 U	13 J	24 J	90 J	6.9	16 J	19 J
TOTAL PAHs	ppb	13 UJ	39 J	40 J	120 J	16 J	29 J	30 J
Physical Properties[1]								
Percent Moisture	%	73	72.8	68.7	76.1	77.5	69.2	67.3
Water Content ASTM D2216	%	270	268	219	319	344	224	206

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	2.4 JB	1.64 JB	2.08 JB	2.3 JB	2.42 JB	2.71 JB	2.94 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	14.5 B	15.2 B	13.6 B	18.4 B	15.2 B	20.7 B	25.2 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.109 JBQ	0.133 U	0.146 U	0.129 U	0.0977 U	0.122 U	0.337 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.744 JQ	0.614 JBQ	0.696 JBQ	0.767 JB	0.879 JBQ	0.926 JBQ	0.788 JBQ
1,2,3,4,7,8-HxCDF	ng/kg	16.6 C	11.9 BC	11.6 BC	19.9 BC	16.3 BC	20.2 BC	25.4 BC
1,2,3,6,7,8-HxCDD	ng/kg	2.13 JB	2.08 JQ	1.82 JB	2.17 JB	2.33 JBQ	2.5 JBQ	2.5 JBQ
1,2,3,6,7,8-HxCDF	ng/kg	5.2 CQ	4.86 JB	4.15 JB	6.25 CQ	5.14 BC	6.66 CQ	6.14 CQ
1,2,3,7,8,9-HxCDD	ng/kg	0.796 JBQ	0.587 JQ	0.695 JBQ	0.833 JB	0.806 JB	1.01 JBQ	0.891 JBQ
1,2,3,7,8,9-HxCDF	ng/kg	0.136 JB	0.0643 JBQ	0.127 JBQ	0.127 JB	0.0948 JBQ	0.192 JBQ	0.164 JBQ
1,2,3,7,8-PeCDD	ng/kg	2.52 JQ	2.54 JBQ	2.27 JB	3.02 JBQ	0.0937 U	3.15 JQ	2.04 JQ
1,2,3,7,8-PeCDF	ng/kg	8.22 C	6.92 BC	6.09 BC	8.57 BC	8.97 BC	9.95 BC	6.89 BC
2,3,4,6,7,8-HxCDF	ng/kg	1.37 JB	0.802 JB	0.881 JB	1.33 JB	1.24 JB	1.47 JB	1.9 JB
2,3,4,7,8-PeCDF	ng/kg	19.6 BC	17.9 C	12.1 BC	19.6 BC	19.5 BC	21.5 BC	21.9 BC
2,3,7,8-TCDD	ng/kg	82.4	111 B	95.3	96.4	87.2	132	73.6
2,3,7,8-TCDF	ng/kg	33.1 BC	28.3 C	28.5 BC	39.1 BC	45.5 C	39.6 C	25.4 C
OCDD	ng/kg	4.98 JB	4.14 JB	5.07 JB	4.15 JB	5.01 JB	5.93 JB	8.73 JB
OCDF	ng/kg	0.525 JB	0.313 JBQ	0.428 JBQ	0.528 JB	0.528 JB	0.477 JB	1.77 JB
Percent Lipid	%	9.3	5.5	7.2	9	10.4	9.7	5.7
Metals								
Aluminum	mg/kg	80.6	5.6 U	5.49 U	5.38 U	5.6 U	8.49 B	18.5 B
Antimony	mg/kg	0.0653 U	0.066 U	0.0647 U	0.0635 U	0.066 U	0.0653 U	0.0641 U
Arsenic	mg/kg	0.77	2.74	3.33	3.62	3.69	3.06	2.84
Barium	mg/kg	1.55	0.292 B	0.197 B	0.375 B	0.601	1.37	4.94
Beryllium	mg/kg	0.0141 U	0.0142 U	0.0139 U	0.0137 U	0.0142 U	0.0141 U	0.0138 U
Cadmium	mg/kg	0.0455 U	0.487	0.831	1.16	1.33	1.55	1.08
Calcium	mg/kg	14,200	2,800	2,840	4,180	5,060	15,900	17,900
Chromium	mg/kg	0.736	0.1 U	0.098 U	0.0962 U	0.1 U	0.126 B	0.325 B
Cobalt	mg/kg	0.13	0.126	0.21	0.173	0.159	0.212	0.342
Copper	mg/kg	3.55	31.4	37.7	49.1	47.2	45.5	74.7
Iron	mg/kg	165	21.6	30.4	36.5	36.3	59.6	112
Lead	mg/kg	0.65	0.079 B	0.0806 B	0.105 B	0.131 B	0.293	1.56
Magnesium	mg/kg	568	411	513	609	588	1,180	1,000
Manganese	mg/kg	5.31	4.03	2.83	3.34	5.02	12.1	45.4
Mercury	ng/g	47.3	102	80.1	86.3	63.7	58.9	52.4
Methyl Mercury	ng/g	45.7 J	87.8	64.9	67.2	46.6	51.6	48.4
Nickel	mg/kg	1.2	0.228 B	0.468	0.435	0.256 B	0.323 B	0.387 B
Potassium	mg/kg	2,940	2,420	2,890	3,270	3,000	3,280	2,930
Selenium	mg/kg	0.71	1.62	1.96	1.79	1.88	1.87	1.89
Silver	mg/kg	0.0686 B	0.778	0.94	1.43	1.77	1.64	2.12
Sodium	mg/kg	1,640	3,750	4,200	3,770	3,850	3,750	5,300
Thallium	mg/kg	0.0297 U	0.03 U	0.0294 U	0.0288 U	0.03 U	0.0297 U	0.0291 U
Titanium	mg/kg	0.532 B	0.283 B	0.168 B	0.167 B	0.17 U	0.42 B	0.604 B
Vanadium	mg/kg	0.0988 B	0.0794 B	0.0678 B	0.107	0.0894 B	0.221	0.449
Zinc	mg/kg	34.4	23.7	28.9	40	42.4	73.1	69.4
Butyltins								
Dibutyltin	ug/kg	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ	R	1.3 UJ	1.3 UJ
Monobutyltin	ug/kg	21 UJCN	20 UJCN	21 UJCN	20 UJCN	20 RCN	20 UJCN	20 UJCN

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
Tetrabutyltin	ug/kg	1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ	R	1.7 UJ	1.6 UJ
Tributyltin	ug/kg	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ	R	1.5 UJ	1.4 UJ
PCB Congeners								
PCB-1	ng/kg	5 U	0.952 U	4.88 U	4.92 U	1 U	0.994 U	5.56 J
PCB-2	ng/kg	3.5 U	0.667 U	3.41 U	3.44 U	1.89 J	0.696 U	3.39 UJ
PCB-3	ng/kg	5.49 U	1.05 U	5.37 U	R	1.1 U	4.4 J	5.33 UJ
PCB-4	ng/kg	46.3	234	29.6 B	42.9 B	57.3 B	47.8 B	42.6 J
PCB-5	ng/kg	4 U	0.762 U	3.9 U	3.94 U	0.8 U	0.795 U	3.88 UJ
PCB-6	ng/kg	17.5	0.667 U	12.3 B	16.8 B	31.8 B	0.696 U	3.39 U
PCB-7	ng/kg	4 U	0.762 U	3.9 U	3.94 U	3.22	2.63	3.88 UJ
PCB-8	ng/kg	43.1 B	1.43 U	44.2 B	37.9 B	96.2 B	93.5	102 BJ
PCB-9	ng/kg	3.5 U	0.667 U	3.41 U	3.44 U	4.05	3.99	3.39 UJ
PCB-10	ng/kg	6.49 U	25.7	6.34 U	6.4 U	3.12 J	3.12 J	6.3 UJ
PCB-11	ng/kg	309 B	3.24 U	266 B	337 B	438 E	425 BE	310 BJ
PCB-12/13	ng/kg	73	1.81 U	50.6	56.7	78.3	88.7	141 J
PCB-14	ng/kg	4 U	0.762 U	3.9 U	3.94 U	0.8 U	0.795 U	3.88 UJ
PCB-15	ng/kg	2,750 E	1,260 BE	1,540 E	2,510 E	3,190 BE	2,650 BE	3,590 BEJ
PCB-16	ng/kg	4.5 U	30.9	18.5 B	20.6 B	0.9 U	0.895 U	4.36 UJ
PCB-17	ng/kg	4.5 U	314 E	97.8 B	103 B	273	183 B	182 BJ
PCB-18/30	ng/kg	7.99 U	527 B	158 B	256 B	362	347 B	351 J
PCB-19	ng/kg	4 U	75.7	11.3	19.2	28.4	15.7	17 J
PCB-20/28	ng/kg	91,900 BE	40,100 BE	42,300 BE	81,000 BE	99,200 BE	83,700 BE	97,600 BEJ
PCB-21/33	ng/kg	188	199	137	158	411 B	256	313 J
PCB-22	ng/kg	210	393 E	242	238	446 BE	573 BE	626 J
PCB-23	ng/kg	3.5 U	0.667 U	3.41 U	3.44 U	0.7 U	0.696 U	3.39 UJ
PCB-24	ng/kg	5 U	0.952 U	4.88 U	4.92 U	1 U	0.994 U	4.85 UJ
PCB-25	ng/kg	177	272	160	206	303 E	436 E	648 J
PCB-26/29	ng/kg	278	473	245	316	348 B	524	573 J
PCB-27	ng/kg	59.4	182	51.1	55	80.8	96.6	60 J
PCB-31	ng/kg	837 B	1,670 E	859 B	1,320 B	1,600 BE	2,560 BE	3,550 EJ
PCB-32	ng/kg	219	488 E	231 B	227 B	443 BE	379 BE	364 J
PCB-34	ng/kg	72.2	47	35.1	38.7	58.5	39.7	99.3 J
PCB-35	ng/kg	29.5	0.857 U	24.5	36.4	45	38.3	55.9 J
PCB-36	ng/kg	16	0.762 U	15.2	17.6	23.6	23.1	23.5 J
PCB-37	ng/kg	7,790 E	3,760 E	4,320 E	7,630 E	8,210 BE	7,370 E	9,240 EJ
PCB-38	ng/kg	3.5 U	0.667 U	3.41 U	3.44 U	30.6	0.696 U	47 J
PCB-39	ng/kg	196	86.3	97.2	149	159	177	263 J
PCB-40/71	ng/kg	1,530	2,280 E	1,180	1,280	1,620 E	1,700 E	2,580 J
PCB-41	ng/kg	21 U	4 U	20.5 U	20.7 U	22.2	7.67 J	20.4 UJ
PCB-42	ng/kg	327	781 E	292	390	588	1,050 E	1,470 J
PCB-43	ng/kg	115	105	51.2	128	90.3	96.3	179 J
PCB-44/47/65	ng/kg	109,000 BE	62,000 BE	44,400 E	71,900 E	65,000 BE	74,000 BE	97,100 EJ
PCB-45	ng/kg	12.6 J	26.8	10.7 U	11.6 J	20.6	18.1	11.2 J
PCB-46	ng/kg	12.6	26.4	13.4	14.4	21.7	15.8	13.8 J
PCB-48	ng/kg	6.99 U	245	93.6	191	264	206	243 J
PCB-49/69	ng/kg	13 U	1,990 BE	652	786	1,400 BE	2,190 E	2,410 J
PCB-50/53	ng/kg	72.6	218	70.7	106	139	153	114 J
PCB-51	ng/kg	74	150	60.3	103	147	121	119 J

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
PCB-52	ng/kg	7.49 U	2,170 E	818	1,130	1,350 E	2,170 BE	1,770 BJ
PCB-54	ng/kg	6.99 U	1.33 U	6.83 U	6.89 U	2.35 J	1.39 U	6.79 UJ
PCB-55	ng/kg	226	1.14 U	92	148	1.2 U	149	5.82 UJ
PCB-56	ng/kg	436	790 E	502	553	975 E	1,260 E	1,730 J
PCB-57	ng/kg	40.5	44	34.5	36.5	35.2	46.8	54.9 J
PCB-58	ng/kg	54.8	37.1	33.4	23.5 J	64.9	50.7	81.5 J
PCB-60	ng/kg	12,600 E	6,410 E	8,410 E	15,100 E	12,200 BE	12,500 E	14,200 EJ
PCB-61/70/74/76	ng/kg	100,000 E	58,800 E	47,900 E	87,400 E	96,800 BE	92,700 E	102,000 EJ
PCB-62/75	ng/kg	6,550	3,720 E	3,260	5,680	4,880 E	5,340 E	7,760 J
PCB-63	ng/kg	1,310	942 E	848	1,130	1,020 E	1,750 E	1,980 J
PCB-64	ng/kg	643	1,630 E	632	1,010	1,190 BE	2,090 E	3,830 BEJ
PCB-66	ng/kg	135,000 BE	86,300 BE	69,900 BE	126,000 BE	171,000 BE	148,000 BE	173,000 BEJ
PCB-67	ng/kg	261	253	201	280	240	340	403 J
PCB-68	ng/kg	917	584 E	599	867	798 E	1,010 E	1,200 J
PCB-72	ng/kg	314	274	241	277	223	340	475 J
PCB-73	ng/kg	67.5	84.6	53.3	44.2	71	38.8	77 J
PCB-77	ng/kg	7,200 E	R	4,160 E	R	R	6,770 E	R
PCB-78	ng/kg	7.99 U	1.52 U	7.8 U	7.87 U	1.6 U	1.59 U	7.76 UJ
PCB-79	ng/kg	412	191	202	366	294	304	407 J
PCB-80	ng/kg	24.1 J	13.9	14.8 J	26.7	23.7	24.4	25.9 J
PCB-81	ng/kg	343	184	199	361	298	292	383 J
PCB-82	ng/kg	7.49 U	93.8	103	50.4	119	148	7.27 UJ
PCB-83	ng/kg	14.5 U	2.76 U	14.1 U	44.4 J	63.4	2.88 U	101 J
PCB-84	ng/kg	209	205	234	207	236	194	225 J
PCB-85/116/117	ng/kg	26,400 E	16,700 E	27,800 E	21,800 E	18,000 E	21,500 E	29,300 EJ
PCB-86/87/97/109/119/125	ng/kg	11,300	8,010 E	12,900	9,240	8,790 E	10,300 E	12,500 J
PCB-88	ng/kg	11 U	2.1 U	10.7 U	10.8 U	2.2 U	2.19 U	10.7 UJ
PCB-89	ng/kg	6.49 U	11.6	10.8 J	6.4 U	11.2	8.74	8.93 J
PCB-90/101/113	ng/kg	4,820	6,610 BE	6,110	4,070	4,540 BE	7,650 BE	9,220 BEJ
PCB-91	ng/kg	617	899 E	815	536	555	910 E	1,350 J
PCB-92	ng/kg	579	1,100 BE	940	569	578	1,060 E	1,040 BJ
PCB-93/100	ng/kg	5,370	4,430 E	8,150 E	4,450	4,080 E	5,450 E	5,570 J
PCB-94	ng/kg	161	163	206	110	114	111	193 J
PCB-95	ng/kg	1,050	R	640	1,370	1,160 E	1,330 E	R
PCB-96	ng/kg	7.49 U	2.63 J	7.32 U	7.38 U	2.69 J	1.65 J	7.27 UJ
PCB-98/102	ng/kg	130	198	182	108	107	172	228 J
PCB-99	ng/kg	178,000 BE	91,200 BE	127,000 E	95,400 E	98,800 BE	106,000 BE	138,000 EJ
PCB-103	ng/kg	27.5	70.2	47	37	42.5	80	94.3 J
PCB-104	ng/kg	6.99 U	6.95	6.83 U	7.12 J	6.53	7.29	12.1 J
PCB-105	ng/kg	43,800 E	23,400 E	20,900 EJ	44,400 EJ	41,900 BE	36,800 BE	50,000 EJ
PCB-106	ng/kg	8.49 U	1.62 U	8.29 U	8.37 U	1.7 U	1.69 U	8.24 UJ
PCB-107	ng/kg	8,240 E	5,460 E	12,300 E	10,200 E	7,940 E	8,290 E	9,590 EJ
PCB-108/124	ng/kg	195	236	378	236	214	323	14.1 UJ
PCB-110/115	ng/kg	5,820	6,650 BE	7,640 E	5,670	5,510 BE	7,930 E	10,800 EJ
PCB-111	ng/kg	243	154	291	205	175	185	209 J
PCB-112	ng/kg	6.99 U	1.33 U	6.83 U	58.1	128	1.39 U	6.79 UJ
PCB-114	ng/kg	3,460 E	2,200 E	1,920 J	3,580 EJ	3,240 E	3,140 E	3,970 EJ
PCB-118	ng/kg	191,000 BE	131,000 BE	100,000 BEJ	225,000 BE	214,000 BE	175,000 BE	208,000 BEJ

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
PCB-120	ng/kg	1,410	796 E	1,460	1,130	942 E	1,020 E	1,190 J
PCB-121	ng/kg	146	98.2	188	111	109	129	144 J
PCB-122	ng/kg	5.99 U	22.4	5.85 U	5.91 U	1.2 U	55.3	79.8 J
PCB-123	ng/kg	3,230 E	1,910 E	1,720 J	3,710 E	3,580 E	2,790 E	4,140 EJ
PCB-126	ng/kg	306	221	174 J	425	406	360	494 J
PCB-127	ng/kg	236	93.6	125 J	209	115	120	130 J
PCB-128/166	ng/kg	15,700 E	8,850 E	8,200 E	14,800 E	10,200 E	12,900 E	14,500 EJ
PCB-129/138/163	ng/kg	202,000 E	97,200 BE	71,500 E	126,000 E	100,000 BE	123,000 BE	128,000 BEJ
PCB-130	ng/kg	1,870	1,610 E	1,210	1,660	1,400 E	2,140 E	2,100 J
PCB-131	ng/kg	87.9	68.9	37.7	R	53.5	71.9	97.5 J
PCB-132	ng/kg	7.99 U	254	103	137	227	322	214 J
PCB-133	ng/kg	3,760 E	2,260 E	2,660	3,920 E	3,210 E	3,100 E	2,860 J
PCB-134	ng/kg	49.6 J	83.9	34.4 J	43.8 J	52.9	96.1	50.2 J
PCB-135/151	ng/kg	891	1,270 E	566	831	791	1,170	958 J
PCB-136	ng/kg	94.7	86.1	36.3	99.5	103	87.5	76.3 J
PCB-137	ng/kg	6,960 E	4,490 E	3,990 E	7,000 E	5,100 E	6,250 E	7,090 EJ
PCB-139/140	ng/kg	3,240	1,810 E	1,660	3,340	2,090 E	2,450 E	2,670 J
PCB-141	ng/kg	394	583 E	317	476	474	711 E	620 J
PCB-142	ng/kg	8.49 U	1.62 U	8.29 U	8.37 U	1.7 U	1.69 U	8.24 UJ
PCB-143	ng/kg	16.5 U	3.14 U	16.1 U	16.2 U	3.3 U	5.61 J	16 UJ
PCB-144	ng/kg	246	205	83.7	229	155	192	282 J
PCB-145	ng/kg	7.99 U	1.52 U	7.8 U	7.87 U	1.6 U	1.59 U	7.76 UJ
PCB-146	ng/kg	31,800 E	R	16,700 E	26,900 E	R	24,100 E	R
PCB-147/149	ng/kg	5,920	5,930 BE	3,080	6,130 E	3,960 BE	7,090 BE	7,610 BEJ
PCB-148	ng/kg	869	458	459	667	550	554	565 J
PCB-150	ng/kg	10.6 J	11.9	7.32 U	7.69 J	10.6	14.7	18.4 J
PCB-152	ng/kg	6.99 U	3.85 J	6.83 U	6.89 U	2.98 J	3.94 J	6.79 UJ
PCB-153/168	ng/kg	261,000 BE	164,000 BE	116,000 BE	193,000 BE	171,000 BE	191,000 BE	202,000 BEJ
PCB-154	ng/kg	7,370 E	3,730 E	3,710 E	6,140 E	4,460 E	4,720 E	5,600 EJ
PCB-155	ng/kg	1,520	1,420 E	1,350	1,520	1,280 E	2,040 E	1,950 J
PCB-156/157	ng/kg	14,300 E	9,350 E	8,840 E	17,000 E	13,400 E	12,900 E	15,600 EJ
PCB-158	ng/kg	14,200 E	8,820 E	7,760 E	14,100 E	9,870 E	11,900 E	13,000 EJ
PCB-159	ng/kg	62.2	24.3	38.5	77.3	58.3	62.3	72 J
PCB-160	ng/kg	31.5 U	6 U	30.7 U	31 U	6.3 U	6.26 U	30.6 UJ
PCB-161	ng/kg	6.49 U	1.24 U	6.34 U	6.4 U	19.5	1.29 U	24.4 J
PCB-162	ng/kg	855	1.24 U	619	870	653 E	767 E	711 J
PCB-164	ng/kg	260	381	174	214	222	458	444 J
PCB-165	ng/kg	218	R	R	182	R	136	126 J
PCB-167	ng/kg	6,010 E	3,850 E	3,650 E	6,870 E	5,900 E	5,680 E	6,670 EJ
PCB-169	ng/kg	7.49 U	1.43 U	7.32 U	7.38 U	17.2	1.49 U	24.3 J
PCB-170	ng/kg	15,000 E	10,200 E	8,970 E	10,800 E	11,100 E	13,300 E	17,700 EJ
PCB-171/173	ng/kg	7,480 E	R	R	R	R	R	R
PCB-172	ng/kg	4,600 E	2,930 E	2,430	4,090 E	3,110 E	3,400 E	4,190 EJ
PCB-174	ng/kg	363	R	274	R	427	678 E	R
PCB-175	ng/kg	1,340	R	814	R	1,040 E	1,120 E	1,230 J
PCB-176	ng/kg	95.5	100	51.3	113	79.4	108	123 J
PCB-177	ng/kg	3,730 E	R	R	R	2,900 E	R	4,140 EJ
PCB-178	ng/kg	10,500 E	7,000 E	6,190 E	10,200 E	8,220 E	7,480 E	8,130 EJ

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
PCB-179	ng/kg	119	189	85.4	113	138	200	118 J
PCB-180/193	ng/kg	81,800 E	55,000 E	39,900 E	56,700 E	56,400 BE	64,200 BE	76,200 EJ
PCB-181	ng/kg	329	R	R	R	231	R	R
PCB-182	ng/kg	345	R	R	R	203	239	R
PCB-183/185	ng/kg	27,400 E	15,800 E	17,000 E	R	17,700 E	21,700 E	R
PCB-184	ng/kg	302	138	166	293	188	188	211 J
PCB-186	ng/kg	7.49 U	1.43 U	7.32 U	7.38 U	1.5 U	1.49 U	7.27 UJ
PCB-187	ng/kg	58,500 E	R	R	R	44,700 BE	49,200 E	51,000 EJ
PCB-188	ng/kg	459	320	320	390	390	396	344 J
PCB-189	ng/kg	1,010	659 E	669	1,210	932 E	905 E	1,180 J
PCB-190	ng/kg	3,850 E	3,240 E	2,070	1,960	3,820 E	4,180 E	5,020 EJ
PCB-191	ng/kg	1,050	747 E	679	1,070	847 E	934 E	1,080 J
PCB-192	ng/kg	18.1 J	8.13	6.34 U	14.8 J	12	13.2	20.9 J
PCB-194	ng/kg	9,190 E	6,410 E	5,270 E	7,560 E	7,000 E	8,280 E	11,500 EJ
PCB-195	ng/kg	2,430	1,410 E	1,340	1,610	1,440 E	1,900 E	2,920 J
PCB-196	ng/kg	8,040 E	5,280 E	4,490 E	5,020 E	5,760 E	6,110 E	8,550 EJ
PCB-197/200	ng/kg	989	R	574	893	654	645	822 J
PCB-198/199	ng/kg	19,400 E	12,500 E	10,600 E	11,600 E	14,000 E	14,300 E	19,400 EJ
PCB-201	ng/kg	2,930	1,700 E	1,980	2,670	2,120 E	2,060 E	2,490 J
PCB-202	ng/kg	6,800 E	4,620 E	4,720 E	5,920 E	5,930 E	5,470 E	5,730 EJ
PCB-203	ng/kg	10,700 E	6,080 E	5,090 E	6,250 E	7,310 E	7,240 E	12,100 EJ
PCB-204	ng/kg	52.3	15.8	25.1	37.4	22	22.9	34.4 J
PCB-205	ng/kg	169	96.1	103	141	98.6	127	261 J
PCB-206	ng/kg	6,450 E	4,450 E	4,420 E	4,540 E	4,670 E	5,260 E	7,410 EJ
PCB-207	ng/kg	980	609	643	778	671	803	943 J
PCB-208	ng/kg	4,000	2,420 E	2,380	2,960	2,670 E	2,940 E	3,260 J
PCB-209	ng/kg	4,490	2,990 E	3,080	3,410	3,150 E	3,250 E	4,010 J
Total PCB Congeners (209)	ng/kg	1,840,000 J	1,040,000 J	945,000 J	1,420,000 J	1,440,000 J	1,490,000 J	1,680,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	72 U	140 U	35 U	35 U	72 U	36 U	35 U
Aroclor-1221	ug/kg	92 U	180 U	45 U	45 U	91 U	46 U	45 U
Aroclor-1232	ug/kg	160 U	320 U	78 U	77 U	160 U	80 U	78 U
Aroclor-1242	ug/kg	66 U	130 U	32 U	32 U	66 U	33 U	32 U
Aroclor-1248	ug/kg	66 U	130 U	32 U	32 U	66 U	33 U	32 U
Aroclor-1254	ug/kg	66 U	130 U	32 U	32 U	66 U	33 U	32 U
Aroclor-1260	ug/kg	98 U	200 U	48 U	47 U	97 U	49 U	48 U
Aroclor-1262	ug/kg	480 J	130 U	140 J	250 J	210 J	210	180
Aroclor-1268	ug/kg	66 U	130 U	32 U	32 U	66 U	33 U	32 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	160 U	320 U	78 U	77 U	160 U	80 U	78 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	480 J	320 U	140 J	250 J	210 J	210	180
Pesticides								
2,4'-DDD	pg/g	213 DJ	142	180	260	1,840	406 J	140
2,4'-DDE	pg/g	622 DJ	460 JD	426 B	900 B	1,200	659 D	267
2,4'-DDT	pg/g	10.8 UD	10.8 U	198	303	261	61.5	61.4
4,4'-DDD	pg/g	73,300 D	42,400 D	50,400 BD	97,500 BD	83,900 D	47,000 D	27,400 D
4,4'-DDE	pg/g	290,000 BD	171,000 BD	197,000 BD	354,000 BD	271,000 BD	182,000 BD	108,000 BD
4,4'-DDT	pg/g	801 D	234 B	539 B	1,820 B	1,400 B	613 B	710 B
Aldrin	pg/g	9.16 UD	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
Alpha-BHC	pg/g	109 D	65.9	98.4	141	104	84.8	39.9
Alpha-Chlordane	pg/g	6,580 D	3,810	4,490	5,360	10,200	8.83 U	11,300
Beta-BHC	pg/g	273 D	176	214	404	225	216	180
cis-Nonachlor	pg/g	19,600 D	12,500	16,700	16,500 D	17,700 J	15,700 D	13,500
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 UDJ
Dieldrin	pg/g	29,600 D	16,900	19,800	26,900 D	34,000 D	21,300	7,520
Endosulfan I	pg/g	57.4 UD	57.4 U	57.4 U	25 J	57.4 U	57.4 UD	57.4 U
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	R
Endosulfan Sulfate	pg/g	63.3 UD	63.3 U	R	63.3 U	63.3 UJ	63.3 UD	R
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 U	13.9 U	13.9 UJ	13.9 U
Endrin Aldehyde	pg/g	131 UD	R	R	131 U	R	131 UJ	R
Endrin Ketone	pg/g	76 UD	76 U	R	76 U	76 U	76 U	R
Gamma-BHC (Lindane)	pg/g	7.69 UD	18.9 J	31.2 J	39.8	38.6	7.69 U	7.69 U
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 U	32.5 UJ	32.5 UJ	32.5 U
Heptachlor Epoxide	pg/g	12,600 D	8,910	11,200	12,200	10,600	5,100	8,960
Hexachlorobenzene	pg/g	3,780 BD	2,110 B	3,300 B	3,590 B	2,740 B	3,450 B	2,910 B
Methoxychlor	pg/g	38.9 UDJ	38.9 UJ	R	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ
Mirex	pg/g	776 D	516 J	816 J	915 J	764	656	383
Nonachlor, trans-	pg/g	33,400 D	33,200 D	29,200 D	36,300 D	34,600 D	5,560 J	19,600 DJ
Oxychlordane	pg/g	49,300 DJ	42,900 D	51,200 D	52,200 D	57,500 D	42,900 D	35,100 D
trans-Chlordane	pg/g	1,100 D	R	815	1,080	1,570	R	777 J
trans-Heptachlor Epoxide	pg/g	4,730 D	2,470	3,400	3,400	3,540	1,130	2,640
Total Alpha + Gamma Chlordane	ppb	7.7 D	3.8 T	5.3	6.4	12	0.014 UT	12 J
Total DDT (2,4)	ppb	0.84 DJ	0.6 DJ	0.8 B	1.5 B	3.3	1.1 DJ	0.47
Total DDT (4,4)	ppb	360 BD	210 BD	250 BD	450 BD	360 BD	230 BD	140 BD
Total DDT (2,4 & 4,4)	ppb	360 BDJ	210 BDJ	250 BD	450 BD	360 BD	230 BDJ	140 BD
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
1,2-Diphenylhydrazine	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
1-Methylnaphthalene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	28 J+
2,2'-oxybis(1-Chloropropane)	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2,4-Dichlorophenol	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	1,200 U	5,800 U	12,000 U	1,200 U	6,000 U	6,000 U	5,900 U
2,4-Dinitrotoluene	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
2,6-Dinitrotoluene	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2-Chloronaphthalene	ug/kg	28 U	130 U	270 U	28 U	130 UJ	140 U	140 U
2-Chlorophenol	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2-Methylnaphthalene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	5.6 J	37 J+
2-Methylphenol	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
2-Nitrophenol	ug/kg	66 U	320 U	650 UJ	67 UJ	330 U	330 U	330 U
3,3'-Dichlorobenzidine	ug/kg	400 U	1,900 U	3,900 U	400 UJ	2,000 U	2,000 U	2,000 U
3-Nitroaniline	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	3,200 U	6,500 U	670 UJ	3,300 U	3,300 U	3,300 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
4-Bromophenyl phenyl ether	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
4-Chloro-3-Methylphenol	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
4-Chloroaniline	ug/kg	130 U	650 U	1,300 U	130 UJ	660 U	670 U	660 U
4-Chlorophenyl phenyl ether	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
4-Nitrophenol	ug/kg	660 U	3,200 U	6,500 U	670 U	3,300 U	3,300 U	3,300 U
Acenaphthene	ug/kg	9	5.1 J	6.7	7	4.7 J	12	110 J+
Acenaphthylene	ug/kg	2.8 J	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
Acetophenone	ug/kg	66 U	320 U	650 UJ	67 UJ	330 U	1,200	330 U
Anthracene	ug/kg	4.3 J	2.7 U	2.7 U	3.7 J	2.6 U	4.4 J	13 U
Atrazine	ug/kg	130 U	650 U	1,300 U	130 U	660 U	670 U	660 U
Benzaldehyde	ug/kg	3,900	1,300 UJ	2,600 U	800 J	4,000 J	3,800	5,200
Benzidine	ug/kg	2,800 U	14,000 U	27,000 U	2,800 UJ	14,000 U	14,000 U	14,000 U
Benzo(a)anthracene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
Benzo(a)pyrene	ug/kg	4.3 J+	2.7 U	2.7 U	3.9 J+	2.6 U	2.7 U	13 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
Benzo(e)pyrene	ug/kg	4.3 J	2.7 U	2.7 U	3.1 J	2.6 U	2.7 U	13 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	2.7 U	2.7 U	4.2 J+	2.6 UJ	2.7 U	13 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
Benzoic Acid	ug/kg	2,300 J	3,200 U	6,500 U	3,500 J	3,300 U	3,700 J	3,300 U
Biphenyl	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
bis(2-Chloroethyl)ether	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	1,300 U	2,600 U	270 UJ	1,300 U	1,300 U	1,300 U
Butyl benzyl phthalate	ug/kg	260 U	1,300 U	2,600 U	270 UJ	1,300 U	1,300 U	1,300 U
C1-Chrysenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C1-Fluorenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 J	13 U
C1-Naphthalenes	ug/kg	2.6 U	2.7 U	9.2	2.6 U	6.2 J	8.3	60
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	21	8.9	13 U
C2-Chrysenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	5.9 J	2.7 U	13 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C2-Fluorenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	85	150	13 U
C2-Naphthalenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	5.7 J	9.4	48
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	21	38	13 U
C3-Chrysenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C3-Fluorenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	6.5 J	14	13 U
C3-Naphthalene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C4-Chrysenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
C4-Naphthalene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	4.1 J	13 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	12	13 U
Caprolactam	ug/kg	130 U	650 U	1,300 U	130 U	660 U	670 U	660 U
Carbazole	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
Chrysene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	14 J+
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-HEP-C003	NB03CRBCEN 09/08/15 NB03CRB-HEP-C004	NB03CRBCEN 08/26/15 NB03CRB-HEP-C005	NB03CRBCEN 08/26/15 NB03CRB-HEP-C006	NB03CRBCEN 09/01/15 NB03CRB-HEP-C007	NB03CRBCEN 08/30/15 NB03CRB-HEP-C008	NB03CRBNOR 08/30/15 NB03CRB-HEP-N001
Dibenzofuran	ug/kg	66 U	320 U	650 U	67 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
Dimethylphthalate	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
Di-n-Butylphthalate	ug/kg	260 U	1,300 U	2,600 U	270 UJ	1,300 U	1,300 U	1,300 U
Di-n-Octylphthalate	ug/kg	260 U	1,300 U	2,600 U	270 U	1,300 U	1,300 U	1,300 U
Fluoranthene	ug/kg	7.6 J+	2.7 U	5.5 J+	4.1 J+	6.4 J	9.3 J+	44 J+
Fluorene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	13 U
Hexachlorobutadiene	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
Hexachlorocyclopentadiene	ug/kg	660 U	3,200 U	6,500 U	670 U	3,300 U	3,300 U	3,300 U
Hexachloroethane	ug/kg	130 U	650 U	1,300 U	130 U	660 U	670 U	660 U
Indeno(1,2,3-cd)pyrene	ug/kg	500 J+	2.7 U	2.7 U	2.6 U	2.6 UJ	2.7 U	13 U
Isophorone	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
Naphthalene	ug/kg	2.6 U	2.7 U	2.7 U	2.6 U	2.6 U	2.7 U	30 J+
Nitrobenzene	ug/kg	66 U	320 U	650 UJ	67 UJ	330 U	330 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	66 U	320 U	650 UJ	67 UJ	330 U	330 U	330 U
N-Nitrosodiphenylamine	ug/kg	66 U	320 U	650 U	67 UJ	330 U	330 U	330 U
Pentachlorophenol	ug/kg	130 U	650 U	1,300 U	130 UJ	660 U	670 U	660 U
Perylene	ug/kg	2.6 U	3.9 J	2.7 U	2.6 U	2.6 U	4.3 J	13 U
Phenanthrene	ug/kg	2.9 J	2.7 U	2.7 U	2.6 U	2.6 U	3 J	24 J+
Phenol	ug/kg	300	320 U	650 UJ	67 UJ	330 U	330 U	330 U
Pyrene	ug/kg	6.7 J+	2.7 J	3.3 J+	4 J+	4.6 J	5.4 J+	40 J+
Pyridine	ug/kg	850	1,300 U	2,600 U	850	1,300 U	1,300 U	1,300 U
Total HMW PAHs	ppb	520 J	2.7 J	8.8 J	16 J	11 J	15 J	98 J
Total LMW PAHs	ppb	19 J	5.1 J	6.7	11 J	4.7 J	25 J	200 J
TOTAL PAHs	ppb	540 J	7.8 J	16 J	27 J	16 J	40 J	300 J
Physical Properties[1]								
Percent Moisture	%	72	73.8	69.3	66.3	69.2	68.4	70.3
Water Content ASTM D2216	%	258	282	226	197	225	216	237

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	2.24 JB	2.91 JB	1.95 JB	3.25 JB	2.09 JB	2.57 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	21.6 B	22.3 B	20.7 B	35.2 B	13 B	23.8 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.174 JBQ	0.219 JBQ	0.071 U	0.368 JBQ	0.141 JBQ	0.0504 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.644 JBQ	0.765 J	0.637 JB	1.04 JBQ	0.697 JBQ	0.793 JBQ
1,2,3,4,7,8-HxCDF	ng/kg	21.6 BC	29.1 C	19.2 BC	27.6 BC	18.1 C	26.4 C
1,2,3,6,7,8-HxCDD	ng/kg	1.96 JB	2.34 J	1.99 JB	3.2 JBQ	1.88 JQ	2.54 J
1,2,3,6,7,8-HxCDF	ng/kg	6.04 CQ	7.76 BCQ	5.97 CQ	8.32 C	3.92 JC	6.16 C
1,2,3,7,8,9-HxCDD	ng/kg	0.659 JBQ	0.839 J	0.561 JB	0.957 JB	0.677 J	0.798 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.127 JBQ	0.271 JBQ	0.0918 JB	0.0937 JBQ	0.0895 JBQ	0.101 JBQ
1,2,3,7,8-PeCDD	ng/kg	2.19 J	2.76 JBQ	0.073 U	3.01 JB	2.36 JQ	2.76 JQ
1,2,3,7,8-PeCDF	ng/kg	7.02 BC	10.3 C	6.73 BC	10.6 BC	5.91 BC	7.61 BC
2,3,4,6,7,8-HxCDF	ng/kg	1.53 JB	1.82 JB	1.27 JB	2.01 JB	1.3 J	1.86 J
2,3,4,7,8-PeCDF	ng/kg	18.1 BC	24.1 C	16.8 BC	22.4 BC	16 BC	21.9 BC
2,3,7,8-TCDD	ng/kg	69.6	87.2	100	165	99.6	128
2,3,7,8-TCDF	ng/kg	27.9 C	36.3 C	28.5 C	35.9 BC	25.8 C	37 C
OCDD	ng/kg	6.73 JB	8.52 JB	5.3 JB	6.27 JB	5.91 JB	5.99 JB
OCDF	ng/kg	1.01 JB	1.33 JB	0.826 JB	0.86 JB	0.652 JBQ	0.578 JB
Percent Lipid	%	6.4	8	5.7	8	5.5	8.4
Metals							
Aluminum	mg/kg	57.7	16.9 BJ-	8.34 B	5.38 U	5.54 U	5.38 U
Antimony	mg/kg	0.0635 U	0.066 U	0.0641 U	0.0635 U	0.0653 U	0.0635 U
Arsenic	mg/kg	1.88	1.89	2.44	3.72	2.05	2.48
Barium	mg/kg	5.4	0.877	0.68	0.591	0.538	0.677
Beryllium	mg/kg	0.0137 U	0.0142 U	0.0138 U	0.0137 U	0.0141 U	0.0137 U
Cadmium	mg/kg	1.02	0.391	0.47	0.806	0.65	0.547
Calcium	mg/kg	71,200	3,030	2,730	2,910	3,350	3,090
Chromium	mg/kg	0.443	0.211 B	0.109 B	0.104 B	0.099 U	0.125 B
Cobalt	mg/kg	0.236	0.17	0.263	0.264	0.187	0.246
Copper	mg/kg	55.8	42.5	53.7	59.5	55.9	50.5
Iron	mg/kg	196	79.6	39.7	44.1	28.1	37.2
Lead	mg/kg	0.701	0.577	0.107 B	0.236	0.158 B	2.33
Magnesium	mg/kg	1,830	537 J-	533	719	502	518
Manganese	mg/kg	52.8	9.87	3.84	4.44	3.95	3.31
Mercury	ng/g	52.5	56.2	70.9	99	65.5	90.7
Methyl Mercury	ng/g	38.5	60.1	99.1	35.4	51.8	44.9
Nickel	mg/kg	0.35 B	0.233 B	0.389	0.485	0.29 B	0.619
Potassium	mg/kg	1,940	1,990 J-	2,530	3,300	2,250	2,350
Selenium	mg/kg	1.17	1.05	1.47	1.8	1.3	1.42
Silver	mg/kg	2.59	1.49	1.47	1.59	1.64	1.62
Sodium	mg/kg	3,920	4,800 J-	4,930	5,130	3,960	3,950
Thallium	mg/kg	0.0288 U	0.03 U	0.0291 U	0.0288 U	0.0297 U	0.0288 U
Titanium	mg/kg	2.3	0.618 B	0.165 U	0.163 U	0.238 B	0.196 B
Vanadium	mg/kg	0.374	0.173	0.171	0.119	0.0931 B	0.115
Zinc	mg/kg	53.7	27	25.5	43.1	26	35.3
Butyltins							
Dibutyltin	ug/kg	1.3 UJ	1.3 U	1.3 UJ	1.3 UJ	1.3 UJ	1.3 UJ
Monobutyltin	ug/kg	20 UJCN	20 UCN	21 UJCN	20 UJCN	21 UJCN	21 UJCN

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
Tetrabutyltin	ug/kg	1.7 UJ	1.6 U	1.7 UJ	1.7 UJ	1.7 UJ	1.7 UJ
Tributyltin	ug/kg	1.5 UJ	1.4 UJ	1.5 UJ	1.5 UJ	1.5 UJ	1.5 UJ
PCB Congeners							
PCB-1	ng/kg	0.994 U	5.25 J	6.15 JB	4.96 U	4.92 U	54.4 B
PCB-2	ng/kg	2.06	3.36 U	3.49 U	3.47 U	3.44 U	6.36 U
PCB-3	ng/kg	1.09 U	R	5.48 U	R	5.41 U	49.7 B
PCB-4	ng/kg	47.3 B	39.6	6.47 U	26 B	32.6	211 B
PCB-5	ng/kg	0.795 U	3.84 U	3.98 U	3.96 U	3.93 U	7.27 U
PCB-6	ng/kg	91.5 B	27.2	37.7 B	3.47 U	15	75 B
PCB-7	ng/kg	2.78	3.84 U	3.98 U	3.96 U	3.93 U	7.27 U
PCB-8	ng/kg	132	87 B	119 B	71.8 B	7.37 U	280 B
PCB-9	ng/kg	5.89	3.36 U	3.49 U	3.47 U	3.44 U	6.36 U
PCB-10	ng/kg	1.29 U	6.24 U	6.47 U	6.44 U	6.39 U	11.8 U
PCB-11	ng/kg	316 BE	348 B	257	337 B	271 B	833 B
PCB-12/13	ng/kg	127	164	77.5	103	104	208
PCB-14	ng/kg	0.795 U	3.84 U	3.98 U	3.96 U	3.93 U	7.27 U
PCB-15	ng/kg	2,120 BE	3,290 E	2,210 BE	3,350 E	2,370 E	6,120 BE
PCB-16	ng/kg	31.6 B	4.32 U	4.48 U	17.5 B	24.6	63.1 B
PCB-17	ng/kg	356 BE	140 B	210	108 B	112	248 B
PCB-18/30	ng/kg	552 B	229	300	178 B	159	451 B
PCB-19	ng/kg	17.7	12.1	15.5	11	16.1	43.6 B
PCB-20/28	ng/kg	81,800 BE	115,000 BE	67,400 BE	107,000 BE	88,300 BE	157,000 BE
PCB-21/33	ng/kg	449	315	330 B	245	197	453 B
PCB-22	ng/kg	549 BE	525	391 B	316	431	534 B
PCB-23	ng/kg	0.696 U	3.36 U	3.49 U	3.47 U	3.44 U	6.36 U
PCB-24	ng/kg	0.994 U	4.8 U	4.98 U	4.96 U	4.92 U	9.09 U
PCB-25	ng/kg	671 E	572	214	286	311	504
PCB-26/29	ng/kg	948 E	443	281 B	326	194	659
PCB-27	ng/kg	112	47	74.2	27.6	36.5	85
PCB-31	ng/kg	2,130 BE	2,140 BE	1,060 B	1,290 B	1,220	2,280 B
PCB-32	ng/kg	737 BE	282	338 B	226 B	222	538 B
PCB-34	ng/kg	128	93.2	66.4	31.3	49.3	119
PCB-35	ng/kg	48.7	60.1	30.2	44.4	38.9	62.9
PCB-36	ng/kg	18.9	31.1	13.2	14.9	18.6	36.5
PCB-37	ng/kg	5,030 E	8,490 E	6,150 BE	9,110 E	7,440 E	13,000 E
PCB-38	ng/kg	0.696 U	3.36 U	3.49 U	3.47 U	3.44 U	6.36 U
PCB-39	ng/kg	235	323	133	157	216	394
PCB-40/71	ng/kg	3,550 E	2,010	1,960	940	1,170	2,240
PCB-41	ng/kg	11.6	20.2 U	20.9 U	20.8 U	20.6 U	38.2 U
PCB-42	ng/kg	1,070 E	797	456	385	411	678
PCB-43	ng/kg	213	155	109	47.2	66.1	133
PCB-44/47/65	ng/kg	83,800 BE	82,900 E	78,800 BE	68,900 E	78,500 E	119,000 E
PCB-45	ng/kg	16.8	16.3 J	11 U	10.9 U	12.1 J	20 U
PCB-46	ng/kg	23.6	15.1	12.5	9.81 J	11.3	21.4
PCB-48	ng/kg	405	202	180	161	120	243
PCB-49/69	ng/kg	2,210 E	1,360	849 B	862	684	1,360
PCB-50/53	ng/kg	193	95.4	89.2	67.8	66.4	140
PCB-51	ng/kg	163	91.6	111	97.5	100	152

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
PCB-52	ng/kg	2,520 BE	1,120 B	1,040	788	605	1,690 B
PCB-54	ng/kg	2.35 J	6.72 U	6.97 U	6.94 U	6.88 U	12.7 U
PCB-55	ng/kg	151	5.76 U	113	158	75.2	366
PCB-56	ng/kg	1,790 E	1,390	760	693	901	940
PCB-57	ng/kg	82	52.5	41	26.4	25.1	56.2
PCB-58	ng/kg	124	104	81.3	39.1	53.9	144
PCB-60	ng/kg	13,200 E	15,000 E	12,600 BE	15,900 E	11,800 E	20,000 E
PCB-61/70/74/76	ng/kg	106,000 E	112,000 E	86,600 BE	101,000 E	100,000 E	148,000 E
PCB-62/75	ng/kg	6,450 E	7,010	5,940	5,440	5,040	9,430
PCB-63	ng/kg	2,040 E	2,390	1,140	1,470	1,500	2,850
PCB-64	ng/kg	1,880 E	1,710	896 B	1,090	875	1,590
PCB-66	ng/kg	178,000 BE	187,000 E	146,000 BE	152,000 BE	163,000 BE	237,000 BE
PCB-67	ng/kg	380	416	227	304	296	464
PCB-68	ng/kg	1,200 E	1,370	755	767	872	1,710
PCB-72	ng/kg	495	449	280	183	227	584
PCB-73	ng/kg	90.7	47.2	94.1	6.94 U	55.2	108
PCB-77	ng/kg	R	R	R	R	6,870 E	R
PCB-78	ng/kg	1.59 U	7.68 U	7.97 U	7.93 U	7.87 U	14.5 U
PCB-79	ng/kg	387	509	284	322	389	548
PCB-80	ng/kg	29.4	5.28 U	23.6 J	22.2 J	24.3 J	41.3 J
PCB-81	ng/kg	284	364	257	335	300	507
PCB-82	ng/kg	61.9	51.1	49.2	40.5	37.8	13.6 U
PCB-83	ng/kg	2.88 U	13.9 U	95.2	23.2 J	158	26.4 U
PCB-84	ng/kg	240	216	175	102	148	198
PCB-85/116/117	ng/kg	21,100 E	24,800 E	21,800 E	18,300 E	22,800 E	33,500 E
PCB-86/87/97/109/119/125	ng/kg	9,480 E	10,600	9,080	7,700	10,800	13,600
PCB-88	ng/kg	2.19 U	10.6 U	11 U	10.9 U	10.8 U	913
PCB-89	ng/kg	1.29 U	6.74 J	6.47 U	6.44 U	6.39 U	11.8 U
PCB-90/101/113	ng/kg	5,920 BE	6,160	4,410 B	3,510	4,300	7,960
PCB-91	ng/kg	940 E	832	534	418	479	972
PCB-92	ng/kg	778 E	644	643	340	307	876
PCB-93/100	ng/kg	4,000 E	4,180	4,460	4,370	6,250 E	7,180
PCB-94	ng/kg	176	144	137	63.8	134	194
PCB-95	ng/kg	1,910 E	1,280	1,030	660	654	1,630
PCB-96	ng/kg	1.49 U	7.2 U	7.47 U	7.43 U	7.37 U	13.6 U
PCB-98/102	ng/kg	209	188	125	78 J	118	216
PCB-99	ng/kg	108,000 BE	106,000 E	107,000 BE	81,200 E	135,000 E	150,000 BE
PCB-103	ng/kg	33.9	41.8	29.3	35.9	27.3	60.4
PCB-104	ng/kg	1.39 U	8.54 J	6.97 U	6.94 U	8.62 J	16 J
PCB-105	ng/kg	34,500 BE	52,800 E	33,700 BE	38,200 E	39,400 E	55,700 BE
PCB-106	ng/kg	1.69 U	8.17 U	8.47 U	8.42 U	8.36 U	15.5 U
PCB-107	ng/kg	8,350 E	11,500 E	6,640 E	7,280 E	7,490 E	12,200 E
PCB-108/124	ng/kg	279	396	167	169	169	374
PCB-110/115	ng/kg	6,450 E	3,440	5,310 B	5,130	5,210	8,100
PCB-111	ng/kg	173	174	177	115	161	246
PCB-112	ng/kg	1.39 U	6.72 U	60.1	67.5	101	12.7 U
PCB-114	ng/kg	2,890 E	4,070 E	2,890	3,080 E	3,340 E	4,960
PCB-118	ng/kg	164,000 BE	243,000 E	155,000 BE	173,000 BE	204,000 E	248,000 BE

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
PCB-120	ng/kg	968 E	1,140	961	769	1,090	1,390
PCB-121	ng/kg	89.1	110	109	97.1	159	164
PCB-122	ng/kg	1.19 U	77.3	24.1 J	39.7	73	10.9 U
PCB-123	ng/kg	2,720 E	3,620 E	2,690	2,740	2,930	4,430
PCB-126	ng/kg	355	441	334	375	305	570
PCB-127	ng/kg	136	186 J	123	156	212	186
PCB-128/166	ng/kg	12,100 E	16,100 E	11,900 E	11,800 E	13,800 E	19,200 E
PCB-129/138/163	ng/kg	108,000 BE	134,000 E	111,000 BE	104,000 E	155,000 E	168,000 BE
PCB-130	ng/kg	R	2,510	1,490	1,310	1,610	2,720
PCB-131	ng/kg	R	R	55.4	R	59.3	106
PCB-132	ng/kg	R	140	81.9	124	114	R
PCB-133	ng/kg	3,310 E	3,110 E	2,990 E	2,190	2,630	3,990
PCB-134	ng/kg	R	46.7 J	37.6 J	37.6 J	35.1 J	R
PCB-135/151	ng/kg	666	776	663	495	627	1,040
PCB-136	ng/kg	50.6	68.3	59	55.3	77.1	75.4
PCB-137	ng/kg	R	7,260 E	5,520 E	5,660 E	7,380 E	8,720 E
PCB-139/140	ng/kg	2,340 E	3,090	1,970	2,430	2,830	3,400
PCB-141	ng/kg	702 E	549	437	404	272	673
PCB-142	ng/kg	R	8.17 U	8.47 U	8.42 U	8.36 U	15.5 U
PCB-143	ng/kg	R	15.9 U	16.4 U	16.4 U	16.2 U	R
PCB-144	ng/kg	R	227	162	134	186	233
PCB-145	ng/kg	1.59 U	7.68 U	7.97 U	7.93 U	7.87 U	14.5 U
PCB-146	ng/kg	R	27,500 E	R	19,800 E	24,600 E	35,100 BE
PCB-147/149	ng/kg	6,080 BE	7,610 E	4,090 B	4,520	4,640	9,340
PCB-148	ng/kg	333	527	477	446	787	738
PCB-150	ng/kg	7.57	11.2 J	7.47 U	10 J	9.82 J	13.6 U
PCB-152	ng/kg	4.38 J	6.72 U	6.97 U	6.94 U	6.88 U	12.7 U
PCB-153/168	ng/kg	165,000 BE	193,000 E	176,000 BE	159,000 BE	244,000 E	261,000 BE
PCB-154	ng/kg	R	5,090 E	3,880 E	4,120 E	6,710 E	6,040 E
PCB-155	ng/kg	1,300 E	1,660	1,560	2,060	1,720	3,140
PCB-156/157	ng/kg	12,700 E	17,200 E	11,600 E	13,800 E	12,700 E	19,300 E
PCB-158	ng/kg	10,500 E	14,200 E	11,100 E	11,600 E	13,400 E	17,000 E
PCB-159	ng/kg	56.9	78.2	35.8	37.7	46.6	82.2
PCB-160	ng/kg	6.26 U	30.3 U	31.4 U	31.2 U	31 U	57.3 U
PCB-161	ng/kg	R	6.24 U	R	6.44 U	6.39 U	11.8 U
PCB-162	ng/kg	671 E	830	529	605	6.39 U	11.8 U
PCB-164	ng/kg	330	459	276	226	238	419
PCB-165	ng/kg	R	113	R	79.6	125	158
PCB-167	ng/kg	4,960 E	7,270 E	4,710 E	5,210 E	5,430 E	8,180 E
PCB-169	ng/kg	1.49 U	7.2 U	10.7 J	18.8 J	7.37 U	13.6 U
PCB-170	ng/kg	19,100 E	13,500 E	14,900 E	15,500 E	14,100 E	22,700 E
PCB-171/173	ng/kg	R	R	R	R	7,080 E	R
PCB-172	ng/kg	4,370 E	4,770 E	4,290 E	3,560 E	3,930 E	5,770 E
PCB-174	ng/kg	R	R	R	R	277	R
PCB-175	ng/kg	R	R	R	R	1,070	1,570
PCB-176	ng/kg	95.9	131	77.5	90.1	75.5	138
PCB-177	ng/kg	R	R	R	R	3,560 E	R
PCB-178	ng/kg	R	8,190 E	R	5,530 E	7,460 E	10,600 E

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
PCB-179	ng/kg	81.6	94.3	76.5	116	72.8	152
PCB-180/193	ng/kg	51,800 BE	64,100 E	67,800 BE	67,400 E	69,500 E	99,000 E
PCB-181	ng/kg	R	R	R	R	315	R
PCB-182	ng/kg	R	R	R	R	278	R
PCB-183/185	ng/kg	R	R	R	R	24,000 E	R
PCB-184	ng/kg	175	295	192	217	237	289
PCB-186	ng/kg	R	7.2 U	7.47 U	7.43 U	7.37 U	13.6 U
PCB-187	ng/kg	R	R	R	R	47,300 E	R
PCB-188	ng/kg	329	348	317	303	300	741
PCB-189	ng/kg	907 E	1,410	868	1,110	1,050	1,480
PCB-190	ng/kg	5,340 E	2,250	4,370 E	3,340 E	2,190	6,750 E
PCB-191	ng/kg	905 E	1,180	930	1,060	993	1,460
PCB-192	ng/kg	22.2	21.9 J	19.2 J	6.44 U	6.39 U	29.3 J
PCB-194	ng/kg	9,790 E	10,600 E	9,080 E	7,570 E	8,100 E	15,000 E
PCB-195	ng/kg	2,290 E	2,600	2,040	2,350	1,980	3,510
PCB-196	ng/kg	5,950 E	4,790 E	6,610 E	6,300 E	7,190 E	10,600 E
PCB-197/200	ng/kg	R	822	603	709	824	1,040
PCB-198/199	ng/kg	16,400 E	11,400 E	16,100 E	13,200 E	14,700 E	24,500 E
PCB-201	ng/kg	1,780 E	2,400	1,920	2,250	2,360	3,060
PCB-202	ng/kg	5,030 E	5,160 E	5,040 E	3,950	4,130	8,230 E
PCB-203	ng/kg	6,780 E	6,950 E	8,980 E	7,250 E	9,390 E	13,500 E
PCB-204	ng/kg	22.8	43.7	32.5	33.1	44	44.7 J
PCB-205	ng/kg	154	246	154	188	157	236
PCB-206	ng/kg	5,230 E	5,330 E	5,460 E	5,100 E	4,260	7,670
PCB-207	ng/kg	770	788	789	769	775	1,190
PCB-208	ng/kg	2,830 E	2,940	3,130	2,540	2,460	4,310
PCB-209	ng/kg	R	3,570	3,360	3,450	2,600	4,680
Total PCB Congeners (209)	ng/kg	1,350,000 J	1,620,000 J	1,280,000 J	1,330,000 J	1,660,000 J	2,100,000 J
Aroclor PCBs							
Aroclor-1016	ug/kg	36 U	72 U	36 U	35 U	71 U	72 U
Aroclor-1221	ug/kg	46 U	92 U	46 U	45 U	91 U	91 U
Aroclor-1232	ug/kg	80 U	160 U	79 U	77 U	160 U	160 U
Aroclor-1242	ug/kg	33 U	66 U	33 U	32 U	65 U	66 U
Aroclor-1248	ug/kg	33 U	66 U	33 U	32 U	65 U	66 U
Aroclor-1254	ug/kg	33 U	66 U	33 U	32 U	65 U	66 U
Aroclor-1260	ug/kg	49 U	98 U	49 U	47 U	97 U	97 U
Aroclor-1262	ug/kg	270	66 U	230	210	220 J	270 J
Aroclor-1268	ug/kg	33 U	66 U	33 U	32 U	65 U	66 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	80 U	160 U	79 U	77 U	160 U	160 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	270	160 U	230	210	220 J	270 J
Pesticides							
2,4'-DDD	pg/g	81.3	111	210	167	122	336
2,4'-DDE	pg/g	295	385 B	348	381 BJ	302 B	622 B
2,4'-DDT	pg/g	73.8	99.8	155	125	92.1	207
4,4'-DDD	pg/g	20,400 D	51,600 D	57,500 D	71,700 BD	62,500 DJ	213,000 D
4,4'-DDE	pg/g	108,000 BDJ	190,000 BD	209,000 BD	259,000 BD	226,000 BD	571,000 BD
4,4'-DDT	pg/g	542 B	935 J	858 B	369 BJ	878	778 J
Aldrin	pg/g	9.16 U	13.7 J	5.81 J	9.16 U	9.16 U	16.1 J

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBNOR	NB03CRBNOR	NB03CRBNOR	NB03CRBNOR	NB03CRBNOR
Date Homogenized:		08/30/15	08/25/15	09/01/15	08/26/15	08/24/15	08/24/15
Sample Name:	Units	NB03CRB-HEP-N002	NB03CRB-HEP-N003	NB03CRB-HEP-N004	NB03CRB-HEP-N005	NB03CRB-HEP-N006	NB03CRB-HEP-N007
Alpha-BHC	pg/g	41.3	57.8	68.4	92	99.1	132
Alpha-Chlordane	pg/g	9,190	4,970	6,080	4,580	6,750	11,500
Beta-BHC	pg/g	199	303	261	366	360	551
cis-Nonachlor	pg/g	14,300	18,600 D	19,200	17,600 D	26,500 D	40,900 DJ
Delta-BHC	pg/g	R	5.08 U	5.08 U	5.08 U	5.08 U	19.9 J
Dieldrin	pg/g	18,800	6,540	26,300 D	27,800 E	4,710 D	28,200 DJ
Endosulfan I	pg/g	57.4 U	R	R	R	R	R
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 UJ
Endrin	pg/g	13.9 UDJ	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 UJ	R	R	R	R	R
Endrin Ketone	pg/g	76 U	R	R	R	R	R
Gamma-BHC (Lindane)	pg/g	7.69 U	35.7 J	31.5 J	32.3 J	29.7 J	57
Heptachlor	pg/g	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U	32.5 UJ
Heptachlor Epoxide	pg/g	10,300	13,300	13,600	12,400	18,200	38,800 D
Hexachlorobenzene	pg/g	2,570 B	4,100 B	3,840 B	5,770 B	3,420 B	8,580 B
Methoxychlor	pg/g	38.9 UJ	R	38.9 UJ	13.9 J	R	R
Mirex	pg/g	382	479 J	566 J	754 J	582 J	1,160 J
Nonachlor, trans-	pg/g	19,900 D	36,200 D	40,100 D	29,000 D	63,700 D	85,400 D
Oxychlordane	pg/g	33,800 D	48,900 DJ	60,000 D	57,100 D	69,300 D	124,000 DJ
trans-Chlordane	pg/g	524	893	764	1,040	909	1,610
trans-Heptachlor Epoxide	pg/g	2,630	3,930	3,730	4,150	5,450	8,760
Total Alpha + Gamma Chlordane	ppb	9.7	5.9	6.8	5.6	7.7	13
Total DDT (2,4)	ppb	0.45	0.6 B	0.71	0.67 BJ	0.52 B	1.2 B
Total DDT (4,4)	ppb	130 BDJ	240 BDJ	270 BD	330 BDJ	290 BDJ	780 BDJ
Total DDT (2,4 & 4,4)	ppb	130 BDJ	240 BDJ	270 BD	330 BDJ	290 BDJ	790 BDJ
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
1,2-Diphenylhydrazine	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
1-Methylnaphthalene	ug/kg	3.3 J	5.6 J	3.1 J	2.7 U	2.6 U	2.7 U
2,2'-oxybis(1-Chloropropane)	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2,4-Dichlorophenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	5,800 U	1,200 U	6,000 U	1,200 U	5,900 U	6,000 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
2,6-Dinitrotoluene	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2-Chloronaphthalene	ug/kg	140 U	28 U	130 UJ	28 U	140 U	140 U
2-Chlorophenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2-Methylnaphthalene	ug/kg	5.8 J	8.1	6.2 J	4.6 J	2.9 J	2.9 J
2-Methylphenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2-Nitroaniline	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
2-Nitrophenol	ug/kg	320 U	66 U	330 U	67 UJ	330 U	330 U
3,3'-Dichlorobenzidine	ug/kg	1,900 U	390 U	2,000 U	400 U	2,000 U	2,000 U
3-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,200 U	660 U	3,300 U	670 UJ	3,300 U	3,300 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
4-Bromophenyl phenyl ether	ug/kg	320 U	66 U	330 U	67 UJ	330 U	330 U
4-Chloro-3-Methylphenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
4-Chloroaniline	ug/kg	650 U	130 U	660 U	130 U	650 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
4-Methylphenol	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
4-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
4-Nitrophenol	ug/kg	3,200 U	660 U	3,300 U	670 U	3,300 U	3,300 U
Acenaphthene	ug/kg	23	45	22	15	18	14
Acenaphthylene	ug/kg	3.7 J	5.8 J	3.8 J	3.9 J	2.6 U	2.7 U
Acetophenone	ug/kg	320 U	120 J	330 U	67 UJ	330 U	330 U
Anthracene	ug/kg	5.3 J	8.1	4.8 J	5.1 J	3.8 J	3.3 J
Atrazine	ug/kg	650 U	130 U	660 U	130 U	650 U	670 U
Benzaldehyde	ug/kg	1,900 J	4,100	1,800 J	730 J	1,400 J	1,700 J
Benzidine	ug/kg	14,000 U	2,800 UJ	14,000 U	2,800 U	14,000 U	14,000 U
Benzo(a)anthracene	ug/kg	5.3 J+	5.2 J+	5.4 J+	3.7 J+	2.6 J	2.7 U
Benzo(a)pyrene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.7 J+	3.3 J+	2.7 U	2.6 U	2.7 U
Benzo(e)pyrene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	2.6 U	2.8 J+	2.7 U	2.6 U	2.7 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	3.6 J+	2.6 U	2.7 U	2.6 U	2.7 U
Benzoic Acid	ug/kg	3,200 U	660 U	3,300 U	6,100 J	5,100 J	7,200 J
Biphenyl	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
bis(2-Chloroethyl)ether	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
C1-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	5.6 J	2.7 U
C1-Naphthalenes	ug/kg	15	24	16	14	11	2.7 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	3.1 J	2.7 U
C2-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	51	2.7 U
C2-Naphthalenes	ug/kg	24	2.6 U	22	2.7 U	9.2	2.7 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	16	2.7 U
C3-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	22	2.7 U
C3-Naphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	4.7 J	2.7 U
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C4-Naphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Caprolactam	ug/kg	650 U	130 U	660 U	130 U	650 U	670 U
Carbazole	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
Chrysene	ug/kg	5.3 J+	7.4 J+	6.6 J+	4.9 J+	3.5 J+	2.7 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.6 U	2.6 J+	2.7 U	2.6 U	2.7 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-HEP-N002	NB03CRBNOR 08/25/15 NB03CRB-HEP-N003	NB03CRBNOR 09/01/15 NB03CRB-HEP-N004	NB03CRBNOR 08/26/15 NB03CRB-HEP-N005	NB03CRBNOR 08/24/15 NB03CRB-HEP-N006	NB03CRBNOR 08/24/15 NB03CRB-HEP-N007
Dibenzofuran	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
Diethyl phthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	1,300 U	270 UJ	1,300 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	1,300 U	1,300 U
Fluoranthene	ug/kg	20 J+	25 J+	14 J+	15 J+	9.6 J+	6.5 J+
Fluorene	ug/kg	2.6 U	3.4 J	2.6 U	2.7 U	2.6 U	2.7 U
Hexachlorobutadiene	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
Hexachlorocyclopentadiene	ug/kg	3,200 U	660 U	3,300 U	670 U	3,300 U	3,300 U
Hexachloroethane	ug/kg	650 U	130 U	660 U	130 U	650 U	670 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 U	2.6 U	2.6 UJ	2.7 U	2.6 U	2.7 U
Isophorone	ug/kg	320 U	66 U	330 U	67 U	330 U	330 U
Naphthalene	ug/kg	5.8 J	9.4	4.3 J	3.6 J	3.1 J	2.7 U
Nitrobenzene	ug/kg	320 U	66 U	330 U	67 UJ	330 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	320 U	66 U	330 U	67 UJ	330 U	330 U
N-Nitrosodiphenylamine	ug/kg	320 U	66 U	330 U	67 UJ	330 U	330 U
Pentachlorophenol	ug/kg	650 U	130 U	660 U	130 UJ	650 U	670 U
Perylene	ug/kg	2.6 U	2.6 U	4.5 J	2.7 U	4.3 J	2.7 U
Phenanthrene	ug/kg	9.3	18	5.1 J	2.7 U	6 J	3.2 J
Phenol	ug/kg	320 U	66 U	330 U	67 UJ	330 U	330 U
Pyrene	ug/kg	12 J+	22 J+	8.7 J+	12 J+	9 J+	5.9 J+
Pyridine	ug/kg	1,300 U	260 U	1,300 U	700	1,300 U	1,300 U
Total HMW PAHs	ppb	43 J	66 J	43 J	36 J	25 J	12 J
Total LMW PAHs	ppb	53 J	98 J	46 J	32 J	34 J	23 J
TOTAL PAHs	ppb	96 J	160 J	90 J	68 J	59 J	36 J
Physical Properties[1]							
Percent Moisture	%	76.4	78.9	77.6	68.6	67	71
Water Content ASTM D2216	%	324	375	346	218	203	245

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	3.18 JB	2.11 JB	1.93 JB	1.53 JB	2.2 JB	2.22 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	15.7 B	8.22 B	14 B	6.55 B	9.6 B	13.6 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0857 U	0.127 U	0.0818 U	0.0755 U	0.13 U	0.0788 U
1,2,3,4,7,8-HxCDD	ng/kg	0.61 JBQ	0.527 JBQ	0.658 JBQ	0.493 JB	0.64 JBQ	0.722 JBQ
1,2,3,4,7,8-HxCDF	ng/kg	15.9 BC	7.14 BC	11.3 BC	8.05 BC	9.87 BC	15.3 BC
1,2,3,6,7,8-HxCDD	ng/kg	1.99 JBQ	1.54 JB	2 JBQ	1.4 JBQ	2.25 JBQ	2.23 JBQ
1,2,3,6,7,8-HxCDF	ng/kg	5.07 CQ	3.07 JB	4.48 JB	2.55 JB	4.05 JB	4.2 JC
1,2,3,7,8,9-HxCDD	ng/kg	0.567 JB	0.67 JBQ	0.629 JB	0.452 JB	0.706 JB	0.654 JB
1,2,3,7,8,9-HxCDF	ng/kg	0.0902 JBQ	0.0629 JBQ	0.155 JB	0.135 JB	0.102 JB	0.127 JB
1,2,3,7,8-PeCDD	ng/kg	0.0782 U	1.74 JBQ	0.0547 U	0.081 U	2.49 J	0.0738 U
1,2,3,7,8-PeCDF	ng/kg	6.64 BC	5.99 BC	6.84 BCQ	5.51 BC	6.69 BC	7.18 BC
2,3,4,6,7,8-HxCDF	ng/kg	1.08 JB	0.883 JB	0.95 JB	0.625 JBQ	1.07 JB	1.07 JB
2,3,4,7,8-PeCDF	ng/kg	18.6 BC	11.8 BC	15.5 BC	11.2 BC	15.7 BC	16.5 C
2,3,7,8-TCDD	ng/kg	119	50.7	95.5	61.3	85.1	76.5
2,3,7,8-TCDF	ng/kg	28.1 C	31.4 BC	35.2 C	29.8 C	34.6 C	32.7 C
OCDD	ng/kg	20.4 B	5.8 JB	4.56 JB	3.18 JB	4.92 JB	5.64 JB
OCDF	ng/kg	0.795 JB	0.372 JB	0.358 JB	0.255 JBQ	0.395 JBQ	0.375 JB
Percent Lipid	%	5.5	6.3	6.8	5.4	7.3	8
Metals							
Aluminum	mg/kg	5.54 U	5.49 U	5.49 U	5.38 U	19.5	10.8 B
Antimony	mg/kg	0.0653 U	0.0647 U	0.0647 U	0.0635 U	0.0635 U	0.0635 U
Arsenic	mg/kg	3.04	4.57	3.92	3.38	3.69	3.51
Barium	mg/kg	0.49	0.25 B	0.278 B	0.177 U	1.14	0.402
Beryllium	mg/kg	0.0141 U	0.0139 U	0.0139 U	0.0137 U	0.0137 U	0.0137 U
Cadmium	mg/kg	0.663	1.7	0.658	0.956	2.22	0.839
Calcium	mg/kg	3,570	3,900	3,260	2,830	19,100	3,510
Chromium	mg/kg	0.099 U	0.134 B	0.136 B	0.102 B	0.162 B	0.158 B
Cobalt	mg/kg	0.23	0.241	0.261	0.158	0.199	0.191
Copper	mg/kg	57.4	61.2	55.1	28.5	63.7	59.9
Iron	mg/kg	32.4	44	39.2	27.6	82.1	48.2
Lead	mg/kg	0.0816 B	0.177 B	0.106 B	0.0721 B	0.357	0.232
Magnesium	mg/kg	582	550	515	583	1,250	640
Manganese	mg/kg	3.03	3.29	2.55	0.162 U	13.4	3.74
Mercury	ng/g	57.8	87	84	66	53.5	65.3
Methyl Mercury	ng/g	113	56.6	62.9	79.7	35	51
Nickel	mg/kg	0.492	0.633	0.451	0.377 B	0.341 B	0.539
Potassium	mg/kg	2,690	3,530	3,280	2,850	3,440	3,020
Selenium	mg/kg	1.71	2.35	1.89	1.84	2.04	1.74
Silver	mg/kg	1.64	1.48	1.29	0.635	2.02	1.68
Sodium	mg/kg	5,040	5,270	4,570	4,050	4,520	5,040
Thallium	mg/kg	0.0297 U	0.0294 U	0.0294 U	0.0288 U	0.0288 U	0.0288 U
Titanium	mg/kg	0.168 U	0.179 B	0.167 U	0.163 U	0.601 B	0.163 U
Vanadium	mg/kg	0.103	0.127	0.121	0.0775 B	0.216	0.117
Zinc	mg/kg	31.6	43.7	26.7	24.8	63.9	54.2
Butyltins							
Dibutyltin	ug/kg	1.3 U	1.3 UJ	1.3 UJ	1.3 U	1.3 UJ	1.3 UJ
Monobutyltin	ug/kg	20 UCN	20 UJCN	20 UJCN	20 UCN	21 UJCN	20 UJCN

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
Tetrabutyltin	ug/kg	1.6 U	1.7 UJ	1.6 UJ	1.7 U	1.7 UJ	1.7 UJ
Tributyltin	ug/kg	1.5 U	1.5 UJ	1.5 UJ	1.5 U	1.5 UJ	1.5 UJ
PCB Congeners							
PCB-1	ng/kg	4.93 U	4.9 U	4.97 U	4.99 U	0.971 U	3.88 J
PCB-2	ng/kg	3.45 U	3.43 U	3.48 U	3.49 U	2.05	1.31 J
PCB-3	ng/kg	R	5.39 U	R	R	3.81 J	R
PCB-4	ng/kg	6.4 U	38.7 B	6.45 U	6.49 U	25.3 B	1.3 U
PCB-5	ng/kg	3.94 U	3.92 U	3.97 U	3.99 U	0.777 U	0.798 UJ
PCB-6	ng/kg	12.6 B	19.3 B	15.4 B	3.49 U	0.68 U	11.8 J
PCB-7	ng/kg	6.8 J	3.92 U	3.97 U	8.42 J	1.78 J	1.12 J
PCB-8	ng/kg	7.39 U	47.5 B	7.45 U	7.49 U	47.6	39.5 BJ
PCB-9	ng/kg	3.45 U	3.43 U	3.48 U	3.49 U	0.68 U	2.14 J
PCB-10	ng/kg	6.4 U	6.37 U	6.45 U	6.49 U	1.26 U	2.92 J
PCB-11	ng/kg	165	282 B	239	167	295 BE	252 BJ
PCB-12/13	ng/kg	40.2	47.5	48.2	27.8	43.1	47.6 J
PCB-14	ng/kg	3.94 U	3.92 U	3.97 U	3.99 U	0.777 U	0.798 UJ
PCB-15	ng/kg	1,890 BE	1,190	1,930 BE	1,130 B	1,970 BE	2,390 BEJ
PCB-16	ng/kg	4.43 U	28.2 B	4.47 U	4.49 U	0.874 U	0.898 UJ
PCB-17	ng/kg	78.9	156 B	107	72.1	64.1 B	79 J
PCB-18/30	ng/kg	110	275 B	133	90.7	1.55 U	113 J
PCB-19	ng/kg	9.35 J	18.1	12	7.65 J	7.55	7.58 J
PCB-20/28	ng/kg	51,000 BE	37,800 BE	51,500 BE	27,700 BE	57,700 BE	62,800 BEJ
PCB-21/33	ng/kg	122 B	147	144 B	74.5 B	99.9	130 J
PCB-22	ng/kg	141 B	415	193 B	114 B	172 B	154 J
PCB-23	ng/kg	3.45 U	3.43 U	3.48 U	3.49 U	0.68 U	0.699 UJ
PCB-24	ng/kg	4.93 U	4.9 U	4.97 U	4.99 U	0.971 U	0.998 UJ
PCB-25	ng/kg	88.4	261	136	105	112	130 J
PCB-26/29	ng/kg	110 B	343	156 B	134 B	166	150 J
PCB-27	ng/kg	27	68.3	38	30.7	27.1	31.9 J
PCB-31	ng/kg	392 B	1,820 BE	673 B	389 B	640 BE	580 BEJ
PCB-32	ng/kg	116 B	292 B	253 B	128 B	133 B	151 J
PCB-34	ng/kg	28.6	40.3	42.5	29.9	23.5	37.3 J
PCB-35	ng/kg	12.9	32.2	19.4	9.59 J	16.5	20.1 J
PCB-36	ng/kg	9.17 J	14.1	16.2	9.91 J	14.7	15 J
PCB-37	ng/kg	5,720 BE	4,510 E	5,730 BE	3,160 BE	4,910 E	6,710 EJ
PCB-38	ng/kg	34.3	3.43 U	41.1	19.1	27	33.4 J
PCB-39	ng/kg	88.7	106	126	68	99.8	105 J
PCB-40/71	ng/kg	709	1,500	1,290	916	637	1,100 J
PCB-41	ng/kg	20.7 U	20.6 U	20.9 U	21 U	5.13 J	4.19 UJ
PCB-42	ng/kg	179	543	260	200	178	298 J
PCB-43	ng/kg	57.5	89.3	51.5	29	38.7	41.2 J
PCB-44/47/65	ng/kg	112,000 BE	42,000 E	75,000 BE	45,900 BE	52,400 BE	69,400 BEJ
PCB-45	ng/kg	10.8 U	12.7 J	10.9 U	11 U	7.45	5.13 J
PCB-46	ng/kg	4.93 U	17	6.64 J	5.06 J	7.4	5.1 J
PCB-48	ng/kg	67.2	177	101	57.7	65.3	85.8 J
PCB-49/69	ng/kg	330 B	1,260	619 B	427 B	434	523 BJ
PCB-50/53	ng/kg	34.8 J	103	46.3 J	37.1 J	41.8	37.5 J
PCB-51	ng/kg	37.8	91.5	51.1	31.7	33.5	41.2 J

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
PCB-52	ng/kg	408	1,380	591	420	504 B	505 BJ
PCB-54	ng/kg	6.9 U	6.86 U	6.95 U	6.99 U	1.36 U	1.4 UJ
PCB-55	ng/kg	141	101	117	79.5	118	75.1 J
PCB-56	ng/kg	217	947	375	235	307	365 J
PCB-57	ng/kg	15 J	30.2	22.7 J	21.7 J	21.2	22.7 J
PCB-58	ng/kg	31.9	23.9 J	32.3	59.2	14.7	92.9 J
PCB-60	ng/kg	9,060 BE	8,460 E	10,100 BE	5,190 BE	8,820 E	9,630 EJ
PCB-61/70/74/76	ng/kg	57,500 BE	56,900 E	72,700 BE	35,800 BE	60,700 E	70,000 BEJ
PCB-62/75	ng/kg	5,150	3,240	5,620	3,000	3,710 E	4,690 EJ
PCB-63	ng/kg	627	1,130	999	520	759 E	880 EJ
PCB-64	ng/kg	314 B	1,360	628 B	368 B	439	607 BEJ
PCB-66	ng/kg	97,300 BE	88,600 BE	108,000 BE	55,600 BE	99,100 BE	131,000 BEJ
PCB-67	ng/kg	272	238	194	143	151	188 J
PCB-68	ng/kg	557	639	720	504	570	662 EJ
PCB-72	ng/kg	128	257	184	169	187	194 J
PCB-73	ng/kg	44.5	29.8	85.2	83.7	18	73.8 J
PCB-77	ng/kg	R	R	R	R	4,830 E	R
PCB-78	ng/kg	7.88 U	7.84 U	7.94 U	7.98 U	1.55 U	1.6 UJ
PCB-79	ng/kg	221	272	260	151	212	230 J
PCB-80	ng/kg	19 J	15.6 J	22.4 J	12.1 J	20.4	16.2 J
PCB-81	ng/kg	228	235	286	161	222	289 J
PCB-82	ng/kg	41.7	158	50	44.1	22.5	23.7 J
PCB-83	ng/kg	14.3 U	99.2	14.4 U	14.5 U	2.82 U	48.8 J
PCB-84	ng/kg	97.7	201	97	66.8	67.9	120 BJ
PCB-85/116/117	ng/kg	19,900 E	18,800 E	23,800 E	12,700 E	15,700 E	21,400 EJ
PCB-86/87/97/109/119/125	ng/kg	9,990	8,890	10,600	6,420	7,290 E	9,110 EJ
PCB-88	ng/kg	10.8 U	10.8 U	10.9 U	11 U	2.14 U	2.2 UJ
PCB-89	ng/kg	6.4 U	11 J	6.45 U	6.49 U	1.26 U	3.93 J
PCB-90/101/113	ng/kg	2,750 B	5,060	4,500 B	2,860 B	2,940 BE	4,460 BEJ
PCB-91	ng/kg	284	727	436	328	330	482 J
PCB-92	ng/kg	308	809	503	329	362	482 BJ
PCB-93/100	ng/kg	10,900 E	3,650	5,660	4,030	3,980 E	4,610 EJ
PCB-94	ng/kg	96.8	130	142	102	58.1	105 J
PCB-95	ng/kg	476	1,150	732	465	R	717 EJ
PCB-96	ng/kg	7.39 U	7.35 U	7.45 U	7.49 U	1.46 U	1.5 UJ
PCB-98/102	ng/kg	76.7 J	141	86.8 J	66.9 J	72	103 J
PCB-99	ng/kg	106,000 BE	85,000 E	129,000 BE	69,700 BE	81,200 BE	117,000 BEJ
PCB-103	ng/kg	14.8 J	61.5	25.1	17.1 J	17.2	26 J
PCB-104	ng/kg	6.9 U	6.86 U	6.95 U	6.99 U	1.84 J	2.84 J
PCB-105	ng/kg	28,300 BE	26,900 EJ	32,100 BE	18,200 BE	26,600 BE	36,400 EJ
PCB-106	ng/kg	8.37 U	8.33 U	8.44 U	8.48 U	1.65 U	1.7 UJ
PCB-107	ng/kg	5,210 E	8,070 E	7,050 E	4,090 E	5,960 E	6,870 EJ
PCB-108/124	ng/kg	87	299	161	110	134	159 J
PCB-110/115	ng/kg	4,160 B	7,280 E	5,650 B	3,240 B	3,650 E	5,350 BEJ
PCB-111	ng/kg	199	166	240	149	183	193 J
PCB-112	ng/kg	6.9 U	116	6.95 U	6.99 U	1.36 U	53.6 J
PCB-114	ng/kg	2,360	2,360	3,100 E	1,770	2,340 E	2,870 EJ
PCB-118	ng/kg	121,000 BE	119,000 BEJ	146,000 BE	90,500 BE	144,000 BE	173,000 BEJ

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
PCB-120	ng/kg	952	921	1,250	788	893 E	991 EJ
PCB-121	ng/kg	171	93.3	146	96.5	106	120 J
PCB-122	ng/kg	22 J	52.7	19.5 J	13.7 J	15	1.2 UJ
PCB-123	ng/kg	2,190	2,220	2,670	1,620	2,190 E	2,710 EJ
PCB-126	ng/kg	284	261 J	331	213	297	323 J
PCB-127	ng/kg	123	139	130	82.1	104	133 J
PCB-128/166	ng/kg	9,740 E	10,400 E	10,900 E	8,120 E	11,000 E	12,100 EJ
PCB-129/138/163	ng/kg	98,000 BE	95,500 E	110,000 BE	78,000 BE	106,000 BE	123,000 BEJ
PCB-130	ng/kg	1,010	1,660	1,550	1,210	1,250 E	1,520 EJ
PCB-131	ng/kg	45.7	83.4	54.6	49.2	45.9	59.9 J
PCB-132	ng/kg	66.6	319	77.5	92.4	83.7	107 BJ
PCB-133	ng/kg	2,340	3,050 E	2,860	2,230	3,340 E	2,780 EJ
PCB-134	ng/kg	26 J	69.2	30 J	29.7 J	25.5	33 J
PCB-135/151	ng/kg	441	998	613	589	453	659 J
PCB-136	ng/kg	41.2	86.6	39.2	35.4	30.8	59.4 J
PCB-137	ng/kg	5,490 E	4,280 E	6,020 E	3,860 E	4,980 E	5,500 EJ
PCB-139/140	ng/kg	2,200	2,180	2,270	1,640	2,050 E	2,130 EJ
PCB-141	ng/kg	230	524	361	194	328	321 BJ
PCB-142	ng/kg	8.37 U	8.33 U	8.44 U	8.48 U	1.65 U	1.7 UJ
PCB-143	ng/kg	16.3 U	16.2 U	16.4 U	16.5 U	3.6 J	3.29 UJ
PCB-144	ng/kg	130	194	159	124	104	174 J
PCB-145	ng/kg	7.88 U	7.84 U	7.94 U	7.98 U	1.55 U	1.6 UJ
PCB-146	ng/kg	20,500 E	20,600 E	23,900 E	17,500 E	R	21,500 EJ
PCB-147/149	ng/kg	2,650 B	5,960 E	3,860 B	3,200 B	3,450 BE	4,370 BEJ
PCB-148	ng/kg	657	519	662	547	540	641 EJ
PCB-150	ng/kg	7.39 U	10.9 J	7.45 U	7.49 U	4.87	7.79 J
PCB-152	ng/kg	6.9 U	6.86 U	6.95 U	6.99 U	1.36 U	2.6 J
PCB-153/168	ng/kg	172,000 BE	150,000 BE	192,000 BE	137,000 BE	170,000 BE	198,000 BEJ
PCB-154	ng/kg	5,150 E	4,120 E	5,580 E	4,330 E	4,450 E	4,740 EJ
PCB-155	ng/kg	1,500	1,030	1,510	975	1,310 E	1,350 EJ
PCB-156/157	ng/kg	10,200 E	10,700 E	12,200 E	8,210 E	11,200 E	12,600 EJ
PCB-158	ng/kg	11,300 E	9,940 E	11,800 E	8,130 E	10,600 E	11,100 BEJ
PCB-159	ng/kg	35	33.3	39.2	24.5 J	32.8	43.1 J
PCB-160	ng/kg	31 U	30.9 U	31.3 U	31.4 U	6.12 U	6.29 UJ
PCB-161	ng/kg	6.4 U	6.37 U	6.45 U	6.49 U	1.26 U	18.9 J
PCB-162	ng/kg	539	712	695	520	684 E	544 J
PCB-164	ng/kg	103	270	254	165	133	236 J
PCB-165	ng/kg	R	137	R	R	R	R
PCB-167	ng/kg	4,520 E	4,750 E	5,230 E	3,900 E	4,700 E	5,480 EJ
PCB-169	ng/kg	13.3 J	7.35 U	8.13 J	9.23 J	1.46 U	12.6 J
PCB-170	ng/kg	12,000 E	7,010 E	10,700 E	7,220 E	10,100 E	13,200 EJ
PCB-171/173	ng/kg	R	R	R	R	R	R
PCB-172	ng/kg	3,700 E	2,770	3,450 E	2,080	2,940 E	3,380 EJ
PCB-174	ng/kg	R	480	R	R	R	R
PCB-175	ng/kg	1,230	995	1,210	893	1,070 E	1,140 EJ
PCB-176	ng/kg	52	108	55.3	51.1	45.1	81.3 J
PCB-177	ng/kg	R	R	R	R	R	R
PCB-178	ng/kg	R	6,810 E	R	R	8,310 E	R

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
PCB-179	ng/kg	60.8	197	60.7	74.7	60.8	91.4 J
PCB-180/193	ng/kg	67,000 BE	41,500 E	59,400 BE	40,100 BE	54,000 BE	63,000 BEJ
PCB-181	ng/kg	R	R	R	R	R	R
PCB-182	ng/kg	R	194	R	R	R	R
PCB-183/185	ng/kg	R	20,200 E	R	R	19,700 E	R
PCB-184	ng/kg	186	179	208	153	161	211 J
PCB-186	ng/kg	7.39 U	7.35 U	7.45 U	7.49 U	1.46 U	1.5 UJ
PCB-187	ng/kg	R	R	R	R	46,800 E	R
PCB-188	ng/kg	290	332	357	309	414	420 J
PCB-189	ng/kg	916	829	833	593	794 E	900 EJ
PCB-190	ng/kg	4,290 E	1,160	3,650 E	2,620	3,570 E	4,030 EJ
PCB-191	ng/kg	1,010	819	887	616	769 E	888 EJ
PCB-192	ng/kg	14.2 J	9.18 J	6.45 U	7.8 J	6.26	14.1 J
PCB-194	ng/kg	6,910 E	5,030 E	6,970 E	4,670 E	6,320 E	7,210 EJ
PCB-195	ng/kg	1,510	1,030	1,410	947	1,430 E	1,770 EJ
PCB-196	ng/kg	7,090 E	3,000	6,030 E	3,890	5,010 E	6,290 EJ
PCB-197/200	ng/kg	R	671	R	R	589	R
PCB-198/199	ng/kg	14,700 E	7,270	14,000 E	9,230 E	11,700 E	15,000 EJ
PCB-201	ng/kg	1,780	2,120	1,980	1,630	2,010 E	2,160 EJ
PCB-202	ng/kg	3,890	5,200 E	5,290 E	4,520 E	5,790 E	5,770 EJ
PCB-203	ng/kg	8,040 E	3,790	7,330 E	4,670 E	5,730 E	8,640 EJ
PCB-204	ng/kg	21.9 J	22.8 J	25.8	15.4 J	17.6	30 J
PCB-205	ng/kg	107	103	104	63.6	89.9	136 J
PCB-206	ng/kg	3,880	3,300	4,670 E	2,930	4,850 E	5,690 EJ
PCB-207	ng/kg	621	533	718	455	753	797 J
PCB-208	ng/kg	2,080	2,070	2,720	1,760	2,740 E	3,020 EJ
PCB-209	ng/kg	2,390	2,920	3,130	2,050	3,190 E	3,430 EJ
Total PCB Congeners (209)	ng/kg	1,150,000 J	999,000 J	1,240,000 J	774,000 J	1,140,000 J	1,310,000 J
Aroclor PCBs							
Aroclor-1016	ug/kg	72 U	36 U	72 U	72 U	36 U	72 U
Aroclor-1221	ug/kg	92 U	46 U	92 U	92 U	46 U	91 U
Aroclor-1232	ug/kg	160 U	80 U	160 U	160 U	79 U	160 U
Aroclor-1242	ug/kg	66 U	33 U	66 U	66 U	33 U	66 U
Aroclor-1248	ug/kg	66 U	33 U	66 U	66 U	33 U	66 U
Aroclor-1254	ug/kg	66 U	33 U	66 U	66 U	33 U	66 U
Aroclor-1260	ug/kg	98 U	49 U	98 U	98 U	49 U	97 U
Aroclor-1262	ug/kg	230 J	33 U	260 J	220 J	210	270 J
Aroclor-1268	ug/kg	66 U	33 U	66 U	66 U	33 U	66 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	160 U	80 U	160 U	160 U	79 U	160 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	230 J	80 U	260 J	220 J	210	270 J
Pesticides							
2,4'-DDD	pg/g	91.8	3,130	278	119	68.3	4.98 U
2,4'-DDE	pg/g	233 J	930 B	416	R	179	9.95 U
2,4'-DDT	pg/g	74.4	3,470	200	52.4	10.8 U	10.8 U
4,4'-DDD	pg/g	104,000 D	119,000 BD	104,000 D	42,300 DJ	48,700 D	76,300 D
4,4'-DDE	pg/g	235,000 BD	308,000 BD	353,000 BD	168,000 BD	160,000 BD	237,000 BD
4,4'-DDT	pg/g	522 B	13,100 BJ	1,420 B	344 B	379 B	680 B
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	R	9.16 U	9.16 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
Alpha-BHC	pg/g	R	90.7	87.4	63.6 J	56.8	93.8
Alpha-Chlordane	pg/g	1,800	3,060	5,570	853	11,100	5,270
Beta-BHC	pg/g	218 J	166	229	125 J	146	217
cis-Nonachlor	pg/g	19,100 D	12,200	19,200	16,300	12,300	16,700
Delta-BHC	pg/g	R	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
Dieldrin	pg/g	25,600 D	5,950	16,000	21,400	4,550	21,100 D
Endosulfan I	pg/g	R	57.4 U	57.4 U	57.4 U	57.4 U	R
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	63.3 U	60.5 J	63.3 U	63.3 U
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	R	R	R	R	131 UJ	R
Endrin Ketone	pg/g	76 U	R	76 U	76 U	76 U	76 U
Gamma-BHC (Lindane)	pg/g	26.9 J	28.3 J	23 J	18.6 J	16.8 J	36.2 J
Heptachlor	pg/g	3.5 J	32.5 U	32.5 U	32.5 U	32.5 UJ	32.5 U
Heptachlor Epoxide	pg/g	13,100	6,220	14,300	11,200	7,730	9,830
Hexachlorobenzene	pg/g	3,940 B	2,380 B	3,100 B	2,390 B	1,680 B	3,090 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 U
Mirex	pg/g	555 J	584 J	737 J	659 J	585	605
Nonachlor, trans-	pg/g	36,600 D	18,600 D	44,800 D	34,000 D	18,000	33,000 D
Oxychlordane	pg/g	47,500 DJ	29,500 D	73,500 D	46,900 D	34,100 D	43,000 D
trans-Chlordane	pg/g	622	824	623	R	634	848
trans-Heptachlor Epoxide	pg/g	1,960	2,830	4,260	1,450	2,710	3,230
Total Alpha + Gamma Chlordane	ppb	2.4	3.9	6.2	0.85 T	12	6.1
Total DDT (2,4)	ppb	0.4 J	7.5 B	0.89	0.17 T	0.25	0.011 U
Total DDT (4,4)	ppb	340 BD	440 BDJ	460 BD	210 BDJ	210 BD	310 BD
Total DDT (2,4 & 4,4)	ppb	340 BDJ	450 BDJ	460 BD	210 BDT	210 BD	310 BD
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
1,2-Diphenylhydrazine	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
1-Methylnaphthalene	ug/kg	13 U	3.7 J	2.6 U	2.6 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
2,4-Dichlorophenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
2,4-Dinitrophenol	ug/kg	6,000 U	1,200 UJ	6,000 U	5,900 U	6,000 U	5,900 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
2,6-Dinitrotoluene	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
2-Chloronaphthalene	ug/kg	130 UJ	28 U	130 UJ	130 UJ	140 U	130 UJ
2-Chlorophenol	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
2-Methylnaphthalene	ug/kg	13 U	7.8	4.8 J	5.9 J	3.8 J	7
2-Methylphenol	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
2-Nitroaniline	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
2-Nitrophenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	400 UJ	2,000 U	2,000 U	2,000 U	2,000 U
3-Nitroaniline	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	660 UJ	3,300 U	3,300 U	3,300 U	3,300 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
4-Bromophenyl phenyl ether	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
4-Chloro-3-Methylphenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
4-Chloroaniline	ug/kg	670 U	130 UJ	670 U	660 U	670 U	650 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
4-Methylphenol	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
4-Nitroaniline	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
4-Nitrophenol	ug/kg	3,300 U	660 UJ	3,300 U	3,300 U	3,300 U	3,300 U
Acenaphthene	ug/kg	13 U	4.6 J	9.8	6.3 J	5.3 J	7.6
Acenaphthylene	ug/kg	13 U	2.6 U	3.2 J	3 J	2.6 U	2.6 U
Acetophenone	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
Anthracene	ug/kg	13 U	3.1 J	3.4 J	2.7 J	2.6 U	3.5 J
Atrazine	ug/kg	670 U	130 U	670 U	660 U	670 U	650 U
Benzaldehyde	ug/kg	4,100 J	810 J	1,300 UJ	1,300 UJ	5,200	4,400 J
Benzidine	ug/kg	14,000 U	2,800 UJ	14,000 U	14,000 U	14,000 U	14,000 U
Benzo(a)anthracene	ug/kg	13 U	3.8 J+	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(a)pyrene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(b)fluoranthene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(e)pyrene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	13 UJ	2.6 U	2.6 UJ	2.6 UJ	2.6 U	2.6 UJ
Benzo(j,k)fluoranthene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzoic Acid	ug/kg	3,300 U	1,700 J	3,300 U	3,300 U	3,300 U	7,400 J
Biphenyl	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
bis(2-Chloroethyl)ether	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
C1-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	13 U	14	2.6 U	2.6 U	11	2.6 U
C1-Phenanthrenes/Anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	13 U	2.6 U	11	2.6 U	2.6 U	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	670 U	130 U	670 U	660 U	670 U	650 U
Carbazole	ug/kg	330 U	66 U	330 U	330 U	330 U	330 U
Chrysene	ug/kg	13 U	3.2 J+	2.6 U	2.6 U	2.6 U	2.6 U
Dibenzo(a,h)anthracene	ug/kg	13 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-HEP-N008	NB03CRBSOU 08/26/15 NB03CRB-HEP-S001	NB03CRBSOU 09/01/15 NB03CRB-HEP-S002	NB03CRBSOU 09/01/15 NB03CRB-HEP-S003	NB03CRBSOU 08/30/15 NB03CRB-HEP-S004	NB03CRBSOU 09/01/15 NB03CRB-HEP-S005
Dibenzofuran	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
Diethyl phthalate	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 UJ	1,300 U	1,300 U	1,300 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
Fluoranthene	ug/kg	13 U	9.4 J+	8.7 J+	11 J+	7.2 J+	9.3 J+
Fluorene	ug/kg	13 U	2.6 U	2.6 U	3.5 J	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	660 UJ	3,300 U	3,300 U	3,300 U	3,300 U
Hexachloroethane	ug/kg	670 U	130 U	670 U	660 U	670 U	650 U
Indeno(1,2,3-cd)pyrene	ug/kg	13 UJ	2.6 U	2.6 UJ	2.6 UJ	2.6 U	2.6 UJ
Isophorone	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
Naphthalene	ug/kg	13 U	4.1 J	2.6 U	2.6 U	2.6 U	2.6 U
Nitrobenzene	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
N-Nitrosodiphenylamine	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
Pentachlorophenol	ug/kg	670 U	130 UJ	670 U	660 U	670 U	650 U
Perylene	ug/kg	13 U	2.6 U	8.4	4.6 J	4.1 J	8.8
Phenanthrene	ug/kg	13 U	3.1 J	2.8 J	4.7 J	2.6 U	2.9 J
Phenol	ug/kg	330 U	66 UJ	330 U	330 U	330 U	330 U
Pyrene	ug/kg	13 U	6.2 J+	4.5 J+	5.6 J+	4.7 J+	6.5 J+
Pyridine	ug/kg	1,300 U	620 J	1,300 U	1,300 U	1,300 U	1,300 U
Total HMW PAHs	ppb	13 UJ	23 J	13 J	17 J	12 J	16 J
Total LMW PAHs	ppb	13 U	23 J	24 J	26 J	9.1 J	21 J
TOTAL PAHs	ppb	13 UJ	45 J	37 J	43 J	21 J	37 J
Physical Properties[1]							
Percent Moisture	%	69.5	73.6	73.9	70	70.4	69.6
Water Content ASTM D2216	%	228	279	283	233	238	229

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	ng/kg	1.53 JB	1.58 JB	1.22 JB	1.77 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	7.08 B	5.36 B	6.61 B	6.59 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.181 JBQ	0.106 U	0.206 U	0.0691 U
1,2,3,4,7,8-HxCDD	ng/kg	0.466 JBQ	0.505 JB	0.447 JB	0.506 JB
1,2,3,4,7,8-HxCDF	ng/kg	6.61 BC	5.26 BC	5.34 BC	6.51 C
1,2,3,6,7,8-HxCDD	ng/kg	1.64 JQ	1.43 J	1.3 JB	1.53 J
1,2,3,6,7,8-HxCDF	ng/kg	2.94 JB	3.2 JB	2.48 JB	2.76 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.544 JQ	0.573 J	0.473 JB	0.577 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.114 JBQ	0.122 JB	0.164 U	0.099 JB
1,2,3,7,8-PeCDD	ng/kg	1.63 JBQ	1.99 JBQ	1.72 JB	2.76 JQ
1,2,3,7,8-PeCDF	ng/kg	5.41 BC	5.56 BC	4.92 JB	7.86 BC
2,3,4,6,7,8-HxCDF	ng/kg	0.691 JB	0.872 JBQ	0.604 JB	0.811 J
2,3,4,7,8-PeCDF	ng/kg	12.3 C	11.4 BC	9.4 BC	13.6 BC
2,3,7,8-TCDD	ng/kg	43 B	44.5	36.6	65.1
2,3,7,8-TCDF	ng/kg	32 C	32.5 BC	24.3 BC	58.7 C
OCDD	ng/kg	5.19 JB	5.61 JB	3.44 JB	5.29 JB
OCDF	ng/kg	0.369 JBQ	0.529 JB	0.337 JB	0.322 JB
Percent Lipid	%	5	5.5	4.9	7.3
Metals					
Aluminum	mg/kg	5.6 U	9.23 B	21.2	8 B
Antimony	mg/kg	0.066 U	0.0641 U	0.0647 U	0.0653 U
Arsenic	mg/kg	2.91	3.43	3.95	6.16
Barium	mg/kg	0.651	0.583	3.52	0.613
Beryllium	mg/kg	0.0142 U	0.0138 U	0.0139 U	0.0141 U
Cadmium	mg/kg	0.49	0.672	2.05	2.39
Calcium	mg/kg	3,010	7,310	20,300	8,900
Chromium	mg/kg	0.1 U	0.119 B	0.308 B	0.159 B
Cobalt	mg/kg	0.158	0.14	0.189	0.241
Copper	mg/kg	50.9	61.7	127	105
Iron	mg/kg	30.8	48.9	102	58.9
Lead	mg/kg	0.124 B	0.258	0.876	0.286
Magnesium	mg/kg	362	683	1,740	830
Manganese	mg/kg	2.04	4.86	13.8	3.29
Mercury	ng/g	57.8	50.4	48.7	63.5
Methyl Mercury	ng/g	67.1	35.1	30.3	43.1
Nickel	mg/kg	0.264 B	0.293 B	0.428	0.533
Potassium	mg/kg	2,190	2,870	3,620	4,690
Selenium	mg/kg	1.45	1.64	1.81	2.38
Silver	mg/kg	1.12	1.7	3.56	2.55
Sodium	mg/kg	3,540	4,130	6,170	6,210
Thallium	mg/kg	0.03 U	0.0291 U	0.0294 U	0.0297 U
Titanium	mg/kg	0.321 B	0.165 U	0.59 B	0.299 B
Vanadium	mg/kg	0.0892 B	0.0291 U	0.271	0.172
Zinc	mg/kg	25.6	32.8	82.4	57.6
Butyltins					
Dibutyltin	ug/kg	1.2 UJ	1.3 UJ	1.3 UJ	1.3 UJ
Monobutyltin	ug/kg	20 UJCN	21 UCNJ	21 UJ	21 UJCN

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
Tetrabutyltin	ug/kg	1.6 UJ	1.7 UJ	1.7 UJ	1.7 UJ
Tributyltin	ug/kg	1.4 UJ	1.5 UJ	1.5 UJ	1.5 UJ
PCB Congeners					
PCB-1	ng/kg	1 U	13.9 BJ	4.85 U	49.7 B
PCB-2	ng/kg	0.7 U	3.46 UJ	3.4 U	11.9 J
PCB-3	ng/kg	1.1 U	5.44 UJ	5.34 U	32.5 JB
PCB-4	ng/kg	20.9	33.6 BJ	22.8 JB	117 B
PCB-5	ng/kg	0.8 U	3.96 UJ	3.88 U	5.93 U
PCB-6	ng/kg	0.7 U	13.4 BJ	3.4 U	5.19 U
PCB-7	ng/kg	0.8 U	3.96 UJ	3.88 U	5.93 U
PCB-8	ng/kg	1.5 U	41.2 BJ	24.2 JB	154 B
PCB-9	ng/kg	0.7 U	3.46 UJ	3.4 U	10.7 JB
PCB-10	ng/kg	1.3 U	6.43 UJ	6.31 U	9.63 U
PCB-11	ng/kg	3.4 U	135 BJ	133 B	587 B
PCB-12/13	ng/kg	1.9 U	26.9 J	22.8 J	113
PCB-14	ng/kg	0.8 U	3.96 UJ	3.88 U	5.93 U
PCB-15	ng/kg	1,480 BE	1,320 BJ	1,340	3,420 BE
PCB-16	ng/kg	7.69	15.2 J	11.4 B	44.5 B
PCB-17	ng/kg	0.9 U	58.4 BJ	42.4 B	158 B
PCB-18/30	ng/kg	61 B	97.3 BJ	88.8 B	332 B
PCB-19	ng/kg	5.57	11.5 J	7.04 J	37.6 B
PCB-20/28	ng/kg	39,300 BE	31,000 BEJ	27,900 BE	55,700 BE
PCB-21/33	ng/kg	54.7	76.3 J	63.7	211 B
PCB-22	ng/kg	65.8	110 BJ	86.4	369 B
PCB-23	ng/kg	0.7 U	3.46 UJ	3.4 U	5.19 U
PCB-24	ng/kg	1 U	4.95 UJ	4.85 U	7.41 U
PCB-25	ng/kg	0.8 U	61.9 J	64.6	368
PCB-26/29	ng/kg	1.2 U	103 J	105	725
PCB-27	ng/kg	11.7	21.8 J	18.4	70.3
PCB-31	ng/kg	264	385 BJ	376 B	1,740 B
PCB-32	ng/kg	61.3	98.1 BJ	92.2 B	369 B
PCB-34	ng/kg	9.6	14.7 J	14.1	60.4
PCB-35	ng/kg	0.9 U	13.1 J	9.99	34.7
PCB-36	ng/kg	0.8 U	7.82 J	5.18 J	25.8
PCB-37	ng/kg	4,120 E	4,190 EJ	3,080 E	7,250 E
PCB-38	ng/kg	0.7 U	3.46 UJ	23.6	5.19 U
PCB-39	ng/kg	68.5	56.8 J	53.2	148
PCB-40/71	ng/kg	336	527 J	533	1,650
PCB-41	ng/kg	4.2 U	20.8 UJ	20.4 U	31.1 U
PCB-42	ng/kg	89.5	135 J	125	539
PCB-43	ng/kg	1.4 U	39.5 J	39.8	113
PCB-44/47/65	ng/kg	44,000 BE	35,900 BEJ	30,600 E	59,600 E
PCB-45	ng/kg	3.37 J	10.9 UJ	10.7 U	16.3 U
PCB-46	ng/kg	1 U	6.58 J	4.85 U	17
PCB-48	ng/kg	39.1	57.3 J	55.1	189
PCB-49/69	ng/kg	173 B	237 BJ	234	1,170
PCB-50/53	ng/kg	18.3	33.2 J	28.6 J	101
PCB-51	ng/kg	15.6	23.5 J	23.9 J	79.4

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
PCB-52	ng/kg	231	331 BJ	358	1,460 B
PCB-54	ng/kg	1.4 U	6.92 UJ	6.8 U	10.4 U
PCB-55	ng/kg	1.2 U	52.7 J	75.3	8.89 U
PCB-56	ng/kg	104	208 J	142	622
PCB-57	ng/kg	9.07	13.5 J	13.1 J	93
PCB-58	ng/kg	1.4 U	8.18 J	7.51 J	27.8 J
PCB-60	ng/kg	6,540 E	7,050 EJ	6,450 E	9,550 E
PCB-61/70/74/76	ng/kg	48,800 E	48,500 BEJ	38,600 E	64,100 E
PCB-62/75	ng/kg	3,110 E	2,580 J	2,350	4,280
PCB-63	ng/kg	477	499 J	520	1,350
PCB-64	ng/kg	224	315 BJ	322	1,390
PCB-66	ng/kg	77,100 BE	70,900 BEJ	62,900 BE	95,000 BE
PCB-67	ng/kg	1.2 U	90.5 J	93.4	291
PCB-68	ng/kg	381	335 J	369	908
PCB-72	ng/kg	105	107 J	130	548
PCB-73	ng/kg	15.2	15 J	14.2 J	36.1 J
PCB-77	ng/kg	R	4,390 EJ	3,870 E	R
PCB-78	ng/kg	1.6 U	7.91 UJ	7.77 U	11.9 U
PCB-79	ng/kg	155	134 J	157	263
PCB-80	ng/kg	13.6	13.6 J	12.8 J	24.6 J
PCB-81	ng/kg	185	226 J	193	302
PCB-82	ng/kg	1.5 U	38.9 J	7.28 U	11.1 U
PCB-83	ng/kg	2.9 U	14.3 UJ	14.1 U	21.5 U
PCB-84	ng/kg	45.7	64.1 BJ	73.7	217
PCB-85/116/117	ng/kg	14,000 E	14,300 EJ	10,000 E	20,100 E
PCB-86/87/97/109/119/125	ng/kg	5,960 E	5,080 J	4,830	8,950
PCB-88	ng/kg	2.2 U	10.9 UJ	10.7 U	16.3 U
PCB-89	ng/kg	1.83 J	6.43 UJ	6.31 U	9.63 U
PCB-90/101/113	ng/kg	1,790 B	1,730 BJ	1,870	5,830
PCB-91	ng/kg	185	194 J	239	875
PCB-92	ng/kg	196 B	206 BJ	264	868
PCB-93/100	ng/kg	2,460 E	1,980 J	2,040	3,590
PCB-94	ng/kg	30.5	44.9 J	50.3	9.63 U
PCB-95	ng/kg	R	393 BJ	551	1,660
PCB-96	ng/kg	1.5 U	7.42 UJ	7.28 U	11.1 U
PCB-98/102	ng/kg	37.1	48.6 J	48 J	155
PCB-99	ng/kg	81,400 BE	64,900 BEJ	54,200 E	96,300 BE
PCB-103	ng/kg	8.86	9.37 J	13.1 J	44.1
PCB-104	ng/kg	1.4 U	6.92 UJ	6.8 U	10.4 U
PCB-105	ng/kg	24,800 E	23,700 EJ	21,800 E	32,400 BE
PCB-106	ng/kg	1.7 U	8.41 UJ	8.25 U	12.6 U
PCB-107	ng/kg	4,450 E	4,330 EJ	4,410 E	7,950 E
PCB-108/124	ng/kg	71	83.3 J	99.3	334
PCB-110/115	ng/kg	2,870 BE	R	2,390	6,030
PCB-111	ng/kg	151	110 J	112	213
PCB-112	ng/kg	1.4 U	63.9 J	6.8 U	103
PCB-114	ng/kg	2,060 E	2,340 J	1,830	3,010
PCB-118	ng/kg	125,000 BE	115,000 BEJ	100,000 BE	148,000 BE

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
PCB-120	ng/kg	776 E	611 J	580	1,070
PCB-121	ng/kg	74.3	59.8 J	62.6	109
PCB-122	ng/kg	1.2 U	5.93 UJ	5.83 U	8.89 U
PCB-123	ng/kg	1,840 E	2,110 J	1,900	2,850
PCB-126	ng/kg	247	R	243	398
PCB-127	ng/kg	82	106 J	108	125
PCB-128/166	ng/kg	8,510 E	8,620 EJ	7,590 E	13,000 E
PCB-129/138/163	ng/kg	88,400 BE	80,700 BEJ	67,300 E	114,000 BE
PCB-130	ng/kg	718 E	713 J	883	1,730
PCB-131	ng/kg	32.7	30.6 J	35.1	92.7
PCB-132	ng/kg	31.5	41.7 BJ	50.9	R
PCB-133	ng/kg	2,360 E	1,870 J	2,440	3,670
PCB-134	ng/kg	3.3 U	16.3 UJ	19.1 J	R
PCB-135/151	ng/kg	227	287 BJ	339	927
PCB-136	ng/kg	17.4	28.9 J	36.8	106
PCB-137	ng/kg	4,190 E	4,140 EJ	3,820 E	5,650 E
PCB-139/140	ng/kg	1,650 E	1,600 J	1,550	2,520
PCB-141	ng/kg	152	161 BJ	240	604
PCB-142	ng/kg	1.7 U	8.41 UJ	8.25 U	12.6 U
PCB-143	ng/kg	3.3 U	16.3 UJ	16 U	R
PCB-144	ng/kg	98.5	78.7 J	86.9	224
PCB-145	ng/kg	1.6 U	7.91 UJ	7.77 U	11.9 U
PCB-146	ng/kg	R	14,000 BEJ	14,200 E	24,000 BE
PCB-147/149	ng/kg	2,030 BE	2,000 BJ	2,580	6,960
PCB-148	ng/kg	407	362 J	377	555
PCB-150	ng/kg	2.19 J	7.42 UJ	7.28 U	11.1 U
PCB-152	ng/kg	1.4 U	6.92 UJ	6.8 U	10.4 U
PCB-153/168	ng/kg	154,000 BE	123,000 BEJ	109,000 BE	176,000 BE
PCB-154	ng/kg	3,200 E	3,030 EJ	3,040 E	4,440
PCB-155	ng/kg	823 E	642 J	723	1,250
PCB-156/157	ng/kg	9,530 E	9,650 EJ	9,500 E	14,100 E
PCB-158	ng/kg	9,010 E	8,840 EJ	7,540 E	12,400 E
PCB-159	ng/kg	28.7	23.7 J	31.2	32.6 J
PCB-160	ng/kg	6.3 U	31.2 UJ	30.6 U	46.7 U
PCB-161	ng/kg	1.3 U	6.43 UJ	6.31 U	9.63 U
PCB-162	ng/kg	428	445 J	460	707
PCB-164	ng/kg	90.1	88.1 J	124	322
PCB-165	ng/kg	R	R	R	192
PCB-167	ng/kg	4,200 E	4,000 EJ	3,960 E	6,170 E
PCB-169	ng/kg	1.5 U	14.4 J	7.28 U	11.1 U
PCB-170	ng/kg	9,110 E	9,420 EJ	7,930 E	12,100 E
PCB-171/173	ng/kg	R	R	R	R
PCB-172	ng/kg	2,620 E	2,330 J	2,070	3,480
PCB-174	ng/kg	R	140 J	163	R
PCB-175	ng/kg	R	737 J	719	1,210
PCB-176	ng/kg	31.2	32.2 J	40	104
PCB-177	ng/kg	R	1,570 J	R	R
PCB-178	ng/kg	6,680 E	5,150 EJ	5,390 E	8,940 E

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
PCB-179	ng/kg	26.1	34.3 J	46	128
PCB-180/193	ng/kg	50,600 E	48,400 BEJ	38,500 EJ	60,900 E
PCB-181	ng/kg	R	R	R	R
PCB-182	ng/kg	R	176 J	R	R
PCB-183/185	ng/kg	16,200 E	R	15,400 E	R
PCB-184	ng/kg	124	109 J	136	192
PCB-186	ng/kg	1.5 U	7.42 UJ	7.28 U	11.1 U
PCB-187	ng/kg	R	R	R	R
PCB-188	ng/kg	301	246 J	278 J	486
PCB-189	ng/kg	687 E	671 J	722	938
PCB-190	ng/kg	2,960 E	2,930 J	2,310	3,930
PCB-191	ng/kg	716 E	736 J	605	936
PCB-192	ng/kg	1.3 U	6.43 UJ	6.31 U	9.63 U
PCB-194	ng/kg	6,070 E	5,960 EJ	4,290	8,390 E
PCB-195	ng/kg	1,250 E	1,210 J	10.7 U	1,570
PCB-196	ng/kg	5,300 E	4,750 EJ	9.71 U	6,240
PCB-197/200	ng/kg	R	458 J	850	756
PCB-198/199	ng/kg	11,500 E	9,940 EJ	13,700 E	13,800 E
PCB-201	ng/kg	1,630 E	1,360 J	2,520	2,320
PCB-202	ng/kg	4,450 E	3,890 J	4,140 J	6,960 E
PCB-203	ng/kg	6,210 E	5,710 EJ	8.74 U	7,420 E
PCB-204	ng/kg	18.2	16 J	36.7	25.9 J
PCB-205	ng/kg	83.2	72.9 J	70.9	112
PCB-206	ng/kg	4,110 E	3,870 J	3,440 J	5,470
PCB-207	ng/kg	641	577 J	554	886
PCB-208	ng/kg	2,560 E	2,210 J	1,910	3,250
PCB-209	ng/kg	3,150 E	2,750 J	2,680	3,860
Total PCB Congeners (209)	ng/kg	923,000 J	828,000 J	734,000 J	1,200,000 J
Aroclor PCBs					
Aroclor-1016	ug/kg	360 U	71 U	35 U	71 U
Aroclor-1221	ug/kg	460 U	91 U	45 U	90 U
Aroclor-1232	ug/kg	800 U	160 U	78 U	160 U
Aroclor-1242	ug/kg	330 U	65 U	32 U	65 U
Aroclor-1248	ug/kg	330 U	65 U	32 U	65 U
Aroclor-1254	ug/kg	330 U	65 U	32 U	65 U
Aroclor-1260	ug/kg	490 U	97 U	48 U	96 U
Aroclor-1262	ug/kg	330 U	65 U	150 JP	200 J
Aroclor-1268	ug/kg	330 U	65 U	32 U	65 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	800 U	160 U	78 U	160 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	800 U	160 U	150 PJ	200 J
Pesticides					
2,4'-DDD	pg/g	161	293 J	407	119
2,4'-DDE	pg/g	363 JD	675 J	2,320 B	338 B
2,4'-DDT	pg/g	96.3	400 BJ	102	182
4,4'-DDD	pg/g	126,000 D	121,000 BDJ	185,000 D	181,000 BD
4,4'-DDE	pg/g	316,000 BD	313,000 BDJ	542,000 BD	347,000 BD
4,4'-DDT	pg/g	536 B	2,140 BJ	349 J	3,320 B
Aldrin	pg/g	9.16 U	13.2 J	9.16 U	9.16 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
Alpha-BHC	pg/g	59 J	96.5 BJ	111	88.2
Alpha-Chlordane	pg/g	1,570	9,540 BJ	5,050	3,110
Beta-BHC	pg/g	125	171 BJ	11.1 U	229
cis-Nonachlor	pg/g	8,980	16,700 J	11,200 J	11,400
Delta-BHC	pg/g	5.08 U	5.08 UJ	5.08 U	5.08 U
Dieldrin	pg/g	13,300	16,900 BJ	6,590 DJ	15,900
Endosulfan I	pg/g	57.4 U	57.4 UJ	R	R
Endosulfan II	pg/g	58.3 U	58.3 UJ	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 UJ	63.3 UJ	63.3 U
Endrin	pg/g	13.9 U	13.9 UJ	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 U	131 UJ	R	R
Endrin Ketone	pg/g	76 U	76 UJ	R	R
Gamma-BHC (Lindane)	pg/g	12.6 J	22.5 J	25.3 J	28 J
Heptachlor	pg/g	32.5 U	32.5 UJ	32.5 UJ	32.5 U
Heptachlor Epoxide	pg/g	5,470	11,800 J	9,120	7,650
Hexachlorobenzene	pg/g	1,390 B	1,880 BJ	2,060 B	1,960 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	R	38.9 UJ
Mirex	pg/g	324 J	646 J	659 J	495 J
Nonachlor, trans-	pg/g	19,400	25,600 DJ	21,300 D	20,900 D
Oxychlordane	pg/g	20,000 D	50,400 DJ	43,700 D	28,800 D
trans-Chlordane	pg/g	R	13.7 UJ	722	576
trans-Heptachlor Epoxide	pg/g	1,370	4,830 J	3,340	2,490
Total Alpha + Gamma Chlordane	ppb	1.6 T	9.5 BJ	5.8	3.7
Total DDT (2,4)	ppb	0.62 DJ	1.4 BJ	2.8 B	0.64 B
Total DDT (4,4)	ppb	440 BD	440 BDJ	730 BDJ	530 BD
Total DDT (2,4 & 4,4)	ppb	440 BDJ	440 BDJ	730 BDJ	530 BD
Semivolatiles					
1,2,4,5-Tetrachlorobenzene	ug/kg	320 U	330 U	650 U	330 U
1,2-Diphenylhydrazine	ug/kg	320 U	330 U	650 U	330 U
1-Methylnaphthalene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	320 U	330 U	650 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	320 U	330 U	650 U	330 U
2,4,6-Trichlorophenol	ug/kg	320 U	330 U	650 U	330 U
2,4-Dichlorophenol	ug/kg	320 U	330 U	650 U	330 U
2,4-Dimethylphenol	ug/kg	320 U	330 U	650 U	330 U
2,4-Dinitrophenol	ug/kg	5,800 U	5,900 U	12,000 U	6,000 U
2,4-Dinitrotoluene	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
2,6-Dinitrotoluene	ug/kg	320 U	330 U	650 U	330 U
2-Chloronaphthalene	ug/kg	130 U	130 U	270 U	140 U
2-Chlorophenol	ug/kg	320 U	330 U	650 U	330 U
2-Methylnaphthalene	ug/kg	3.7 J	13 U	2.6 U	25
2-Methylphenol	ug/kg	320 U	330 U	650 U	330 U
2-Nitroaniline	ug/kg	320 U	330 U	650 U	330 U
2-Nitrophenol	ug/kg	320 U	330 U	650 U	330 U
3,3'-Dichlorobenzidine	ug/kg	1,900 U	2,000 U	3,900 U	2,000 U
3-Nitroaniline	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,200 U	3,300 U	6,500 U	3,300 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
4-Bromophenyl phenyl ether	ug/kg	320 U	330 U	650 U	330 U
4-Chloro-3-Methylphenol	ug/kg	320 U	330 U	650 U	330 U
4-Chloroaniline	ug/kg	650 U	660 U	1,300 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	320 U	330 U	650 U	330 U
4-Methylphenol	ug/kg	320 U	330 U	650 U	330 U
4-Nitroaniline	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
4-Nitrophenol	ug/kg	3,200 U	3,300 U	6,500 U	3,300 U
Acenaphthene	ug/kg	2.6 U	13 U	2.6 U	6.1 J
Acenaphthylene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Acetophenone	ug/kg	320 U	330 U	650 U	330 U
Anthracene	ug/kg	2.6 U	13 U	2.6 U	2.6 J
Atrazine	ug/kg	650 U	660 U	1,300 U	670 U
Benzaldehyde	ug/kg	1,300 UJ	3,300 J	2,600 UJ	2,600 J
Benzidine	ug/kg	14,000 U	14,000 U	27,000 U	14,000 U
Benzo(a)anthracene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Benzo(a)pyrene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Benzo(b)fluoranthene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Benzo(e)pyrene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Benzoic Acid	ug/kg	4,000 J	3,700 J	6,500 U	3,300 UJ
Biphenyl	ug/kg	320 U	330 U	650 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	320 U	330 U	650 U	330 U
bis(2-Chloroethyl)ether	ug/kg	320 U	330 U	650 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
C1-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	13 U	7.5	2.6 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	13 U	4.6 J	2.6 U
C2-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Caprolactam	ug/kg	650 U	660 U	1,300 U	670 U
Carbazole	ug/kg	320 U	330 U	650 U	330 U
Chrysene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	13 U	2.6 U	2.6 U

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-HEP-S006	NB03CRBSOU 10/06/15 NB03-CRB-HEP-S007	NB03CRBSOU 08/24/15 NB03CRB-HEP-S008	NB03CRBSOU 08/24/15 NB03CRB-HEP-S009
Dibenzofuran	ug/kg	320 U	330 U	650 U	330 U
Diethyl phthalate	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
Fluoranthene	ug/kg	2.6 U	13 U	4.9 J+	3.2 J+
Fluorene	ug/kg	4.8 J	13 U	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	320 U	330 U	650 U	330 U
Hexachlorocyclopentadiene	ug/kg	3,200 U	3,300 U	6,500 U	3,300 U
Hexachloroethane	ug/kg	650 U	660 U	1,300 U	670 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Isophorone	ug/kg	320 U	330 U	650 U	330 U
Naphthalene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Nitrobenzene	ug/kg	320 U	330 U	650 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	320 U	330 U	650 U	330 U
N-Nitrosodiphenylamine	ug/kg	320 U	330 U	650 U	330 U
Pentachlorophenol	ug/kg	650 U	660 U	1,300 U	670 U
Perylene	ug/kg	4 J	13 U	2.6 U	2.6 U
Phenanthrene	ug/kg	2.6 U	13 U	2.6 U	2.6 U
Phenol	ug/kg	320 U	330 U	670 J	390 J
Pyrene	ug/kg	2.6 U	13 U	2.7 J+	3.4 J+
Pyridine	ug/kg	1,300 U	1,300 U	2,600 U	1,300 U
Total HMW PAHs	ppb	2.6 U	13 U	7.6 J	6.6 J
Total LMW PAHs	ppb	8.5 J	13 U	2.6 U	34 J
TOTAL PAHs	ppb	8.5 J	13 U	7.6 J	40 J
Physical Properties[1]					
Percent Moisture	%	71	77.7	79.1	73
Water Content ASTM D2216	%	245	349	378	270

Table B-1
Crab Hepatopancreas Tissue Analytical Results

Footnote:

[1]"Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Totals were calculated using detected values only. If all analytes that make up a given total are nondetect, the total will be reported as the highest detection limit of the individual analytes and will be qualified with a "U" flag to indicate it is a non-detect.
2. Total PCB Congeners (209) = sum of 209 individual congener PCBs
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268
5. Total Alpha + Gamma Chlordane = sum of alpha-Chlordane and gamma-Chlordane
6. Total DDT (2,4) = sum of 2,4'-DDD, 2,4'-DDE, and 2,4'-DDT
7. Total DDT (4,4) = sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
8. Total DDT (2,4 & 4,4) = sum of 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
9. Total HMW PAHs = sum of fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene.
10. Total LMW PAHs = sum of naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene.
11. Total PAHs = sum of Total LMW PAHs and Total HMW PAHs.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-MUS122	NB03CRB-MUS123	NB03CRB-MUS124	NB03CRB-MUS125	NB03CRB-MUS126	NB03CRB-MUS127	NB03CRB-MUS129
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	0.185 JBQ	0.175 JB	0.0766 JBQ	0.129 JBQ	0.0696 JBQ	0.114 JB	0.1 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	0.736 JB	0.729 JB	0.0706 JB	0.256 JB	0.101 JBQ	0.249 JB	0.152 JBQ
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0179 U	0.027 U	0.0297 JBQ	0.0408 JBQ	0.0309 JBQ	0.0376 JBQ	0.0137 U
1,2,3,4,7,8-HxCDD	ng/kg	0.0347 JQ	0.0205 JBQ	0.026 JBQ	0.0333 JBQ	0.0263 U	0.0237 U	0.0198 JQ
1,2,3,4,7,8-HxCDF	ng/kg	1.25 JB	1.26 J	0.173 JB	0.38 JB	0.164 JBQ	0.244 JB	0.254 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.139 JB	0.0646 J	0.0267 JQ	0.023 JBQ	0.0264 U	0.0728 JBQ	0.0539 JB
1,2,3,6,7,8-HxCDF	ng/kg	0.281 JB	0.334 JB	0.0809 JBQ	0.122 JBQ	0.03 JB	0.108 JBQ	0.0734 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.0375 JBQ	0.0616 J	0.0292 U	0.06 JBQ	0.0314 JQ	0.025 U	0.0318 JBQ
1,2,3,7,8,9-HxCDF	ng/kg	0.0493 JBQ	0.0866 JB	0.0229 JBQ	0.0537 JB	0.048 JB	0.0897 JB	0.0736 JB
1,2,3,7,8-PeCDD	ng/kg	0.221 JQ	0.367 JQ	0.0595 U	0.136 J	0.0644 U	0.0922 JQ	0.103 JQ
1,2,3,7,8-PeCDF	ng/kg	0.487 JB	0.514 JBQ	0.122 JBQ	0.262 JB	0.203 JBQ	0.319 JBQ	0.284 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.0836 JBQ	0.0463 JQ	0.0252 JBQ	0.0423 JB	0.0192 U	0.0535 JBQ	0.0259 JBQ
2,3,4,7,8-PeCDF	ng/kg	0.869 JB	0.976 JB	0.16 JQ	0.249 JBQ	0.0307 U	0.444 JB	0.318 JBQ
2,3,7,8-TCDD	ng/kg	7.15	8.53	1.34 B	3.67	1.93 B	4.14	2.2
2,3,7,8-TCDF	ng/kg	1.63 BC	2.3 C	0.426 JQ	1.29 C	0.681 JQ	1.71 C	1.28 BC
OCDD	ng/kg	0.701 JB	0.368 JB	0.638 JBQ	0.44 JB	0.389 JBQ	0.674 JB	0.308 JB
OCDF	ng/kg	0.173 JB	0.0482 JBQ	0.0898 JB	0.0782 JB	0.0644 JB	0.109 JBQ	0.0857 JBQ
Percent Lipid	%	0.59	0.4	0.29	0.29	0.1	0.39	0.1 U
Metals								
Aluminum	mg/kg	5.38 U	5.54 U	5.49 U	5.54 U	5.38 U	5.54 U	NA
Antimony	mg/kg	0.0635 U	0.0653 U	0.0647 U	0.0653 U	0.0635 U	0.0653 U	NA
Arsenic	mg/kg	2.7	2.34	2.05	2.88	2.05	2.67 J	NA
Barium	mg/kg	0.675	1.71	1.12	0.182 U	0.177 U	0.182 U	NA
Beryllium	mg/kg	0.0137 U	0.0141 U	0.0139 U	0.0141 U	0.0137 U	0.0141 U	NA
Cadmium	mg/kg	0.795	0.0455 U	0.0451 U	0.0455 U	0.0442 U	0.0455 U	NA
Calcium	mg/kg	3,630	7,140	3,980	1,210	749	549 J	NA
Chromium	mg/kg	0.116 B	0.099 U	0.098 U	0.099 U	0.0962 U	0.099 U	NA
Cobalt	mg/kg	0.259	0.0244 B	0.0196 U	0.0198 U	0.0192 U	0.0198 U	NA
Copper	mg/kg	62.2	16	8.79	13.4	9.17	8.85 J	NA
Iron	mg/kg	37.1	7.69 B	5.83 B	22.4	5.97 B	7.61 B	NA
Lead	mg/kg	0.336	0.123 B	0.0402 B	0.0263 B	0.0275 B	0.0279 B	NA
Magnesium	mg/kg	599	842	514	525	367	409 J	NA
Manganese	mg/kg	4.43	6.9	6.3	1.39	1.27	1.06 J	NA
Mercury	ng/g	237	222	190	163	189	166	146
Methyl Mercury	ng/g	144 J	181	R	R	333	158	148 J
Nickel	mg/kg	0.404	0.186 U	0.184 U	0.186 U	0.181 U	0.186 U	NA
Potassium	mg/kg	2,480	7,090	4,070	5,340	3,820	4,220 J	NA
Selenium	mg/kg	1.46	0.874	0.66	1.05	0.739	0.945 J	NA
Silver	mg/kg	1.81	0.347	0.231	0.316	0.256	0.227	NA
Sodium	mg/kg	4,180	2,720	2,020	2,590	1,770	1,900 J	NA
Thallium	mg/kg	0.0288 U	0.0297 U	0.0294 U	0.0297 U	0.0288 U	0.0297 U	NA
Titanium	mg/kg	0.181 B	0.168 U	0.209 B	0.168 U	0.163 U	0.168 U	NA
Vanadium	mg/kg	0.0288 U	0.0406 B	0.0294 U	0.0299 B	0.0525 B	0.0297 U	NA
Zinc	mg/kg	32	60.7	34.5	40.6	33.2	37.3 J	NA
Butyltins								
Dibutyltin	ug/kg	NA	1.3 U	1.3 U	1.3 UJ	1.2 U	1.3 UJ	1.3 U
Monobutyltin	ug/kg	NA	21 UCN	20 UCN	20 UJCN	20 UCN	20 UJCN	21 UCN

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-MUS122	NB03CRB123 08/24/15 NB03CRB-MUS123	NB03CRB124 09/08/15 NB03CRB-MUS124	NB03CRB125 08/30/15 NB03CRB-MUS125	NB03CRB126 09/08/15 NB03CRB-MUS126	NB03CRB127 08/30/15 NB03CRB-MUS127	NB03CRB129 08/19/15 NB03CRB-MUS129
Tetrabutyltin	ug/kg	NA	1.7 U	1.7 U	1.6 UJ	1.6 U	1.6 UJ	1.7 U
Tributyltin	ug/kg	NA	1.5 U	1.5 U	1.4 UJ	1.4 U	1.5 UJ	1.5 UJ
PCB Congeners								
PCB-1	ng/kg	1.93 J	1.14 J	0.99 U	0.978 U	0.976 U	3.21 U	2 U
PCB-2	ng/kg	0.696 U	0.669 U	0.693 U	0.685 U	0.683 U	2.24 U	2.06 J
PCB-3	ng/kg	1.09 U	1.05 U	1.09 U	R	1.07 U	3.53 U	5.68 J
PCB-4	ng/kg	14.2	1.24 U	1.29 U	1.27 U	1.27 U	27.4 B	15.5 B
PCB-5	ng/kg	0.795 U	0.764 U	0.792 U	0.783 U	0.78 U	2.56 U	1.6 U
PCB-6	ng/kg	3.65	2.57	0.693 U	0.685 U	0.683 U	2.24 U	1.4 U
PCB-7	ng/kg	0.795 U	0.764 U	0.792 U	1.05 J	0.78 U	23.6	1.6 U
PCB-8	ng/kg	19.1 B	1.43 U	1.49 U	28.6	1.46 U	4.81 U	2.99 U
PCB-9	ng/kg	0.696 U	0.669 U	0.693 U	1.31 J	0.683 U	2.24 U	1.4 U
PCB-10	ng/kg	1.34 J	1.24 U	1.29 U	1.27 U	2.25 J	4.17 U	2.59 U
PCB-11	ng/kg	3.38 U	3.25 U	3.37 U	3.33 U	3.32 U	61.2 B	37.1 B
PCB-12/13	ng/kg	8.55	7.32	1.88 U	8.33	1.85 U	12.9 J	7.49 J
PCB-14	ng/kg	0.795 U	0.764 U	0.792 U	0.783 U	0.78 U	2.56 U	1.6 U
PCB-15	ng/kg	155	164	1.58 U	138 B	122 B	200 B	115 BJ
PCB-16	ng/kg	0.895 U	4.31	5	0.881 U	5.13	2.88 U	1.8 U
PCB-17	ng/kg	0.895 U	16.2	0.891 U	0.881 U	0.878 U	2.88 U	1.8 U
PCB-18/30	ng/kg	1.59 U	1.53 U	18.1 B	1.57 U	25.1 B	5.13 U	3.19 U
PCB-19	ng/kg	0.795 U	2.12	3.24	0.783 U	0.78 U	6.95 B	1.6 U
PCB-20/28	ng/kg	3,580 BE	3,570 BE	1,080 BE	2,460 BE	1,900 BE	2,670 BEJ	1,750 BEJ
PCB-21/33	ng/kg	2.09 U	17.9	9.95	20	14.5	29.8 B	4.19 U
PCB-22	ng/kg	0.895 U	42.9	22.2	56.8 B	37.6	72.3 B	1.8 U
PCB-23	ng/kg	0.696 U	0.669 U	0.693 U	0.685 U	0.683 U	2.24 U	1.4 U
PCB-24	ng/kg	0.994 U	0.955 U	0.99 U	0.978 U	0.976 U	3.21 U	2 U
PCB-25	ng/kg	20.3	18.8	0.792 U	21.2	0.78 U	25.6	11.9
PCB-26/29	ng/kg	1.19 U	19.8	1.19 U	25.6	1.17 U	45.6	2.4 U
PCB-27	ng/kg	5.77	5.44	4.27	8.01	0.78 U	11.9	4.86
PCB-31	ng/kg	1.79 U	109	51.7	124 B	103	195 B	3.59 U
PCB-32	ng/kg	0.795 U	29	16.6	50 B	33.7	56.2 B	1.6 U
PCB-34	ng/kg	4.46	3.44	1.51 J	2.7	0.683 U	3.94 J	1.85 J
PCB-35	ng/kg	2.62	2.22	0.891 U	1.78 J	0.878 U	3.15 J	1.8 U
PCB-36	ng/kg	0.844 J	1.03 J	0.792 U	1.3 J	0.78 U	2.56 U	1.6 U
PCB-37	ng/kg	288	318 E	97.4	179	180	269 J	174
PCB-38	ng/kg	0.696 U	0.669 U	0.693 U	0.685 U	0.683 U	2.24 U	1.4 U
PCB-39	ng/kg	8.49	8.17	2.56	4.84	4.81	7.76	4.49
PCB-40/71	ng/kg	109	99.3	50.4	117	97.2	135	65.4
PCB-41	ng/kg	4.17 U	4.01 U	4.16 U	4.11 U	4.1 U	13.5 U	8.38 U
PCB-42	ng/kg	1.59 U	27	23.4	40.4	33.9	46.1	3.19 U
PCB-43	ng/kg	6.82	6.14	2.25 J	5.98	5.6	8.79 J	2.79 U
PCB-44/47/65	ng/kg	2,820 BE	2,890 E	961 B	2,280 BE	1,930 BE	2,330 J	1,540 J
PCB-45	ng/kg	2.19 U	2.1 U	2.8 J	2.15 U	2.15 U	7.05 U	4.39 U
PCB-46	ng/kg	1.71 J	1.59 J	0.99 U	0.978 U	1.25 J	3.21 U	2 U
PCB-48	ng/kg	1.39 U	9.72	8.05	11.8	1.37 U	12.4 J	2.79 U
PCB-49/69	ng/kg	2.58 U	51.4	47.9 B	76.2	71.8 B	108	5.19 U
PCB-50/53	ng/kg	6.28 J	5.86 J	6.98 J	8.78 J	2.44 U	12 J	4.99 U
PCB-51	ng/kg	6.38	6.3	2.18 U	2.15 U	2.15 U	7.05 U	4.39 U
PCB-52	ng/kg	1.49 U	60.9	55.1	82.3 B	80.2	128 B	2.99 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-MUS122	NB03CRB123 08/24/15 NB03CRB-MUS123	NB03CRB124 09/08/15 NB03CRB-MUS124	NB03CRB125 08/30/15 NB03CRB-MUS125	NB03CRB126 09/08/15 NB03CRB-MUS126	NB03CRB127 08/30/15 NB03CRB-MUS127	NB03CRB129 08/19/15 NB03CRB-MUS129
PCB-54	ng/kg	1.39 U	1.34 U	1.39 U	1.37 U	1.37 U	4.49 U	2.79 U
PCB-55	ng/kg	1.19 U	6.01	1.19 U	5.64	1.17 U	3.85 U	3.78 J
PCB-56	ng/kg	39.1	36.6	27.6	54.5	36.2	60	35.4
PCB-57	ng/kg	1.48 J	1.3 J	1.09 U	2.31 J	1.07 U	3.64 J	2.2 U
PCB-58	ng/kg	1.39 U	1.66 J	1.39 U	5.24	1.37 U	4.49 U	2.79 U
PCB-60	ng/kg	586	647 E	214	570	443	545 J	466 J
PCB-61/70/74/76	ng/kg	2,500 E	2,410 E	782	2,140	1,660	2,440 J	1,680 J
PCB-62/75	ng/kg	209	201	66.7	157	135	158	111
PCB-63	ng/kg	46.7	48.2	15.6	40.3	36.4	68.2	37.9
PCB-64	ng/kg	1.29 U	54.4	36.2	75.1	84.7	110	52.6
PCB-66	ng/kg	4,020 BE	4,020 BE	1,180 BE	2,970 BE	2,210 BE	3,060 BEJ	2,270 BEJ
PCB-67	ng/kg	11.3	10	3.9 J	8.6	7.89	11.4 J	5.48 J
PCB-68	ng/kg	21.9	30.5	8.98	25.4	19.8	32.6	19.7
PCB-72	ng/kg	11.4	11.3	4.7 J	11.8	10.3	20.5	9.59 J
PCB-73	ng/kg	2.56 J	3.53 J	1.39 U	6.75	3.91 J	5.81 J	3.23 J
PCB-77	ng/kg	233	234	R	161	R	R	R
PCB-78	ng/kg	1.59 U	1.53 U	1.58 U	1.57 U	1.56 U	5.13 U	3.19 U
PCB-79	ng/kg	10.5	11.8	4.15 J	8.14	6.96	11.5 J	7 J
PCB-80	ng/kg	1.09 U	1.05 U	1.09 U	1.31 J	1.07 U	3.53 U	2.2 U
PCB-81	ng/kg	10.1	10.5	3.5 J	9.14	8.13	12.4 J	8.5 J
PCB-82	ng/kg	1.49 U	3.56 J	1.49 U	4.48 J	1.46 U	4.81 U	2.99 U
PCB-83	ng/kg	2.88 U	3.18 J	2.87 U	5.99 J	2.83 U	9.35 J	5.79 U
PCB-84	ng/kg	1.09 U	6.19	10	8.15	9.26	13.5	5.95
PCB-85/116/117	ng/kg	737	659	232	498	501	622	421
PCB-86/87/97/109/119/125	ng/kg	7.36 U	294	123	230	226	298	14.8 U
PCB-88	ng/kg	2.19 U	2.1 U	2.18 U	2.15 U	2.15 U	7.05 U	4.39 U
PCB-89	ng/kg	1.29 U	1.24 U	1.29 U	1.27 U	1.27 U	4.17 U	2.59 U
PCB-90/101/113	ng/kg	4.67 U	138	102 B	156 B	186 B	254	9.38 U
PCB-91	ng/kg	2.19 U	16.8	15.4	21.4	28.9	37.8	15.6
PCB-92	ng/kg	1.29 U	14.7	17.8 B	24.5	30.2 B	38.8	2.59 U
PCB-93/100	ng/kg	146	154	49.7	124	110	140	88.1
PCB-94	ng/kg	5.69	7.99	3.16 J	7.23	6.54	10.5 J	2.59 U
PCB-95	ng/kg	43.8	38.7	R	R	R	74.2	29.1 J
PCB-96	ng/kg	1.49 U	1.43 U	1.49 U	1.47 U	1.46 U	4.81 U	2.99 U
PCB-98/102	ng/kg	7.65 U	7.35 U	7.62 U	7.53 U	7.51 U	24.7 U	15.4 U
PCB-99	ng/kg	2,910 BE	2,850 E	972 BE	2,280 BE	2,110 BE	2,780 BEJ	1,980 EJ
PCB-103	ng/kg	1.14 J	1.11 J	1.46 J	1.8 J	2.05 J	3.53 U	2.2 U
PCB-104	ng/kg	1.39 U	1.34 U	1.39 U	1.37 U	1.37 U	4.49 U	2.79 U
PCB-105	ng/kg	1,130 E	1,110 E	376	821 BE	741 E	1,090 BJ	727 J
PCB-106	ng/kg	1.69 U	1.62 U	1.68 U	1.66 U	1.66 U	5.45 U	3.39 U
PCB-107	ng/kg	202	206	63.5	175	145	267	141
PCB-108/124	ng/kg	6.89 J	6.26 J	4.14 J	7.57 J	8.02 J	16.1 J	6.15 J
PCB-110/115	ng/kg	3.88 U	182	127 B	198	231 B	293	7.78 U
PCB-111	ng/kg	4.67 J	5.12	2.35 J	4.81 J	4.69 J	4.49 U	3.45 J
PCB-112	ng/kg	1.39 U	3.29 J	1.39 U	1.37 U	1.37 U	4.49 U	2.79 U
PCB-114	ng/kg	106	106	32.5	80.9	74.1	120	74.7
PCB-118	ng/kg	4,630 BE	4,350 E	1,390 BE	3,390 BE	2,980 BE	4,920 BEJ	2,870 BEJ
PCB-120	ng/kg	29.8	28.9	10.1	22.1	21.2	29.4	17.5
PCB-121	ng/kg	3.28 J	3.37 J	1.19 U	2.79 J	2.51 J	3.9 J	2.4 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-MUS122	NB03CRB-MUS123	NB03CRB-MUS124	NB03CRB-MUS125	NB03CRB-MUS126	NB03CRB-MUS127	NB03CRB-MUS129
PCB-122	ng/kg	1.19 U	1.15 U	1.19 U	1.17 U	1.17 U	3.85 U	2.4 U
PCB-123	ng/kg	92.5	91	27.8	72.8	66.7	109	59.6
PCB-126	ng/kg	8.73	10.4	3.83 J	8.71	8	12.4 J	8.08 J
PCB-127	ng/kg	4.62 J	4.93	1.39 U	1.37 U	3.41 J	4.49 U	2.79 U
PCB-128/166	ng/kg	328	359	102	235	205	293	171
PCB-129/138/163	ng/kg	2,650 E	2,640 E	731 B	1,860 BE	1,550 B	2,390 BJ	12.6 U
PCB-130	ng/kg	40	40.9	16.6	40.5	35	55.7	34.3
PCB-131	ng/kg	2.62 J	2.42 J	1.68 U	2.31 J	1.66 U	R	R
PCB-132	ng/kg	1.59 U	4.97	13.8	7.67	11	R	R
PCB-133	ng/kg	57.8	73.5	23.3	80.8	52.9	85.4	52.7
PCB-134	ng/kg	3.35 J	3.15 U	3.61 J	3.23 U	3.22 U	R	R
PCB-135/151	ng/kg	4.57 U	20	28.2	26.8	31.9	36.8	9.18 U
PCB-136	ng/kg	3.11 J	2.19 J	5.22	1.57 U	4.22 J	5.13 U	3.19 U
PCB-137	ng/kg	167	153	47.5	121	105	152	119
PCB-139/140	ng/kg	71	64.9	20.2	53.2	41.7	66.5	43.1
PCB-141	ng/kg	1.69 U	10.2	10.6	16.3	17.9	22.1	3.39 U
PCB-142	ng/kg	1.69 U	1.62 U	1.68 U	1.66 U	1.66 U	5.45 U	R
PCB-143	ng/kg	3.28 U	3.15 U	3.27 U	3.23 U	3.22 U	R	R
PCB-144	ng/kg	5.93	5.79	3.41 J	4.5 J	1.46 U	4.81 U	R
PCB-145	ng/kg	1.59 U	1.53 U	1.58 U	1.57 U	1.56 U	5.13 U	3.19 U
PCB-146	ng/kg	512	514	150	409	318	R	R
PCB-147/149	ng/kg	3.48 U	131	78.4 B	129 B	133 B	202	6.99 U
PCB-148	ng/kg	17.7	19.7	5.48	12.2	12.9	15.2 J	9.34 J
PCB-150	ng/kg	1.49 U	1.43 U	1.49 U	1.47 U	1.46 U	4.81 U	2.99 U
PCB-152	ng/kg	1.39 U	1.34 U	1.39 U	1.37 U	1.37 U	4.49 U	2.79 U
PCB-153/168	ng/kg	4,050 BE	3,610 E	1,080 B	2,780 BE	2,260 BE	3,770 BJ	2,490 BEJ
PCB-154	ng/kg	125	121	31.7	76.9	79.4	116	R
PCB-155	ng/kg	43	46.9	13.7	38.3	32.5	43.3	29.6
PCB-156/157	ng/kg	323	320	102	258	229	384	229
PCB-158	ng/kg	308	309	92.4	236	199	318	210 J
PCB-159	ng/kg	1.39 U	1.34 U	1.39 U	1.37 U	1.37 U	4.49 U	2.79 U
PCB-160	ng/kg	6.26 U	6.02 U	6.24 U	6.16 U	6.15 U	20.2 U	12.6 U
PCB-161	ng/kg	1.29 U	1.24 U	1.29 U	1.27 U	1.27 U	4.17 U	R
PCB-162	ng/kg	16.4	1.24 U	R	16.1	R	18.1	10.7
PCB-164	ng/kg	1.49 U	7.95	5.35	10.4	11.3	16.3	2.99 U
PCB-165	ng/kg	3.26 J	3.45 J	1.29 U	1.27 U	1.27 U	R	R
PCB-167	ng/kg	126	128	40.9	102	90.4	158	91.8
PCB-169	ng/kg	1.49 U	1.43 U	1.49 U	1.47 U	1.46 U	4.81 U	2.99 U
PCB-170	ng/kg	1.29 U	314	65.7	158	128	169	2.59 U
PCB-171/173	ng/kg	R	132	40	102	78.4	R	R
PCB-172	ng/kg	1.29 U	74.9	16.7	51.5	40.1	45.9	2.59 U
PCB-174	ng/kg	1.49 U	8.77	8.9	R	13.1	R	R
PCB-175	ng/kg	20.1	25.1	8.09	20.4	17.7	R	R
PCB-176	ng/kg	2.43 J	1.85 J	1.19 U	1.89 J	2.43 J	3.85 U	2.4 U
PCB-177	ng/kg	1.09 U	84.8	R	87.3	R	R	2.2 U
PCB-178	ng/kg	186	197	67.4	163	145	209	R
PCB-179	ng/kg	3.09 J	2.05 J	6.07	3.25 J	4.53 J	4.49 U	2.79 U
PCB-180/193	ng/kg	959	1,260 E	300	888 B	635	867 J	5.99 U
PCB-181	ng/kg	5.22	5.99	R	R	R	R	R

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-MUS122	NB03CRB123 08/24/15 NB03CRB-MUS123	NB03CRB124 09/08/15 NB03CRB-MUS124	NB03CRB125 08/30/15 NB03CRB-MUS125	NB03CRB126 09/08/15 NB03CRB-MUS126	NB03CRB127 08/30/15 NB03CRB-MUS127	NB03CRB129 08/19/15 NB03CRB-MUS129
PCB-182	ng/kg	5.92	7.6	1.29 U	3.82 J	3.67 J	R	R
PCB-183/185	ng/kg	324	435	111	334	223	R	R
PCB-184	ng/kg	5.84	4.95	1.39 U	3.17 J	1.37 U	4.81 J	2.79 U
PCB-186	ng/kg	1.49 U	1.43 U	1.49 U	1.47 U	1.46 U	4.81 U	R
PCB-187	ng/kg	760 E	883 E	256	695 E	531	840 J	R
PCB-188	ng/kg	10.2	10.6	5.18	1.47 U	10.2	4.81 U	7.88 J
PCB-189	ng/kg	16.1	16.8	1.29 U	11.7	1.27 U	14.5 J	10.7
PCB-190	ng/kg	1.39 U	69.3	24.4	63.9	49.6	62	2.79 U
PCB-191	ng/kg	13.9	20	5.08	14.2	10.6	16.1	11.1
PCB-192	ng/kg	1.29 U	1.24 U	1.29 U	1.27 U	1.27 U	4.17 U	2.59 U
PCB-194	ng/kg	1.79 U	109	25.3	82.7	55.3	75.7	3.59 U
PCB-195	ng/kg	31.8	35.2	9.36	23.5	16.9	20.1	16.6
PCB-196	ng/kg	95.5	121	31.7	83	73	88.8	73
PCB-197/200	ng/kg	R	15.9	4.83 J	9.76 J	4.2 U	15.1 J	8.58 U
PCB-198/199	ng/kg	253	310	73.1	205	178	217	7.39 U
PCB-201	ng/kg	42.9	51.3	16.5	1.96 U	31.3	6.41 U	34.5
PCB-202	ng/kg	137	144	55.7	147	110	228	124
PCB-203	ng/kg	98.3	126	28.1	80.7	62.9	86.7	61.3
PCB-204	ng/kg	2.09 U	2.01 U	2.08 U	2.05 U	2.05 U	6.73 U	4.19 U
PCB-205	ng/kg	1.83 J	2.07 J	1.49 U	1.47 U	1.46 U	4.81 U	2.99 U
PCB-206	ng/kg	62.5	75.8	20.6	61.4	46	51.3	37.9
PCB-207	ng/kg	17.3	17.5	1.88 U	12.7	1.85 U	13.4 J	10.1

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-MUS122	NB03CRB-MUS123	NB03CRB-MUS124	NB03CRB-MUS125	NB03CRB-MUS126	NB03CRB-MUS127	NB03CRB-MUS129
PCB-208	ng/kg	67.1	70	23.3	61.1	53.5	76.6	47.6
PCB-209	ng/kg	1.59 U	74.4	25.9	1.57 U	55.4	5.13 U	R
Total PCB Congeners (209)	ng/kg	36,800 J	38,800 J	12,200 J	30,000 J	24,800 J	35,400 J	18,800 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7 U	7.2 U	36 U	7 U	36 U	7.2 UJ	7.1 U
Aroclor-1221	ug/kg	8.9 U	9.2 U	46 U	9 U	46 U	9.1 U	9.1 U
Aroclor-1232	ug/kg	15 U	16 U	80 U	16 U	80 U	16 U	16 U
Aroclor-1242	ug/kg	6.4 U	6.6 U	33 U	6.4 U	33 U	6.6 U	6.5 U
Aroclor-1248	ug/kg	6.4 U	6.6 U	33 U	6.4 U	33 U	6.6 U	6.5 U
Aroclor-1254	ug/kg	6.4 U	6.6 U	33 U	6.4 U	33 U	6.6 U	6.5 U
Aroclor-1260	ug/kg	9.5 U	9.8 U	49 U	9.5 U	49 U	9.7 UJ	67
Aroclor-1262	ug/kg	16 J	6.6 U	33 U	6.4 U	33 U	6.6 U	6.5 U
Aroclor-1268	ug/kg	6.4 U	6.6 U	33 U	6.4 U	33 U	6.6 U	6.5 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	15 U	16 U	80 U	16 U	80 U	16 UJ	67
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 J	16 U	80 U	16 U	80 U	16 UJ	67
Pesticides								
2,4'-DDD	pg/g	4.98 UD	12.1 J	4.98 U	18.7 J	4.98 U	30.9 J	63.1 JD
2,4'-DDE	pg/g	20.8 JD	19.8 JB	9.95 U	39.3 J	38.8	60.6	33.5 JD
2,4'-DDT	pg/g	10.8 UD	15.5 J	10.8 U	15.1 J	10.8 U	10.8 U	49 JD
4,4'-DDD	pg/g	2,080 DJ	3,600	2,920	3,540 J	5,480	6,000	3,610 DJ
4,4'-DDE	pg/g	8,670 BDJ	13,000 B	6,690 B	13,500 BJ	16,200 BJ	15,100 BDJ	8,430 BDJ
4,4'-DDT	pg/g	58 JD	70	40.2 BJ	78.6 BJ	81.9 B	97.7 BJ	298 DJ
Aldrin	pg/g	9.16 UD	9.16 U	R	9.16 U	9.16 U	9.16 U	9.16 UD
Alpha-BHC	pg/g	7.51 JD	9.7 J	8.02 J	8.34 J	6.4 U	11.6 J	6.4 UD
Alpha-Chlordane	pg/g	265 DJ	427	354	898	362	1,590	8.83 UD
Beta-BHC	pg/g	15.6 JD	19.9 J	11.1 U	13 J	11.1 U	19.6 J	11.1 UD
cis-Nonachlor	pg/g	486 DJ	1,170	416	586	736	1,100	183 DJ
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 UD
Dieldrin	pg/g	1,450 D	2,660	793	1,080 J	1,270	1,650	377 DJ
Endosulfan I	pg/g	57.4 UD	57.4 U	57.4 U	57.4 UJ	57.4 U	57.4 U	57.4 UD
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 UD
Endosulfan Sulfate	pg/g	63.3 UD	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 UD
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 UJ	13.9 U	13.9 U	13.9 UD
Endrin Aldehyde	pg/g	131 UD	131 U	131 U	131 UJ	R	131 UJ	131 UD
Endrin Ketone	pg/g	76 UD	76 U	76 U	76 U	76 U	76 U	76 UD
Gamma-BHC (Lindane)	pg/g	7.69 UD	4.05 J	7.69 U	3.94 J	7.69 U	5.23 J	7.69 UD
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 UJ	32.5 U	32.5 UD	32.5 UD
Heptachlor Epoxide	pg/g	213 D	477	119	231	248	589	152 JD
Hexachlorobenzene	pg/g	210 BD	383 B	136 B	190 B	195 B	257 B	76.5 JBD
Methoxychlor	pg/g	38.9 UDJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UDJ
Mirex	pg/g	41.6 JD	68.8	33.1 J	59.9	65.8 J	119	9.33 UD
Nonachlor, trans-	pg/g	926 DJ	2,380	10.4 U	10.4 U	1,650	10.4 UD	10.4 UDJ
Oxychlordane	pg/g	1,330 D	2,880	915	1,890	1,600	3,630	750 D
trans-Chlordane	pg/g	13.7 UD	48.1	R	40	R	62.2	13.7 UD
trans-Heptachlor Epoxide	pg/g	226 D	480	160	226	276	408	115 JD
Total Alpha + Gamma Chlordane	ppb	0.27 DJ	0.48	0.35 T	0.94	0.36 T	1.7	0.014 UD
Total DDT (2,4)	ppb	0.021 DJ	0.047 BJ	0.011 U	0.073 J	0.039	0.092 J	0.15 DJ
Total DDT (4,4)	ppb	11 BDJ	17 B	9.7 BJ	17 BJ	22 BJ	21 BDJ	12 BDJ
Total DDT (2,4 & 4,4)	ppb	11 BDJ	17 BJ	9.7 BJ	17 BJ	22 BJ	21 BDJ	12 BDJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-MUS122	NB03CRB-MUS123	NB03CRB-MUS124	NB03CRB-MUS125	NB03CRB-MUS126	NB03CRB-MUS127	NB03CRB-MUS129
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
1,2-Diphenylhydrazine	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
1-Methylnaphthalene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
2,4,5-Trichlorophenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2,4,6-Trichlorophenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2,4-Dichlorophenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2,4-Dimethylphenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2,4-Dinitrophenol	ug/kg	1,200 U	1,200 U	5,900 UJ	5,900 U	5,800 U	1,200 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
2,6-Dinitrotoluene	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2-Chloronaphthalene	ug/kg	27 U	28 U	130 UJ	140 U	130 U	27 U	28 U
2-Chlorophenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2-Methylnaphthalene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	24 J	2.8 J	2.6 U
2-Methylphenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2-Nitroaniline	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
2-Nitrophenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
3,3'-Dichlorobenzidine	ug/kg	390 U	400 U	2,000 U	2,000 U	1,900 U	390 U	390 U
3-Nitroaniline	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	650 U	670 U	3,300 U	3,300 U	3,200 U	650 U	660 U
4-Bromophenyl phenyl ether	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
4-Chloro-3-Methylphenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
4-Chloroaniline	ug/kg	130 U	130 U	660 U	660 U	650 U	130 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
4-Methylphenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
4-Nitroaniline	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
4-Nitrophenol	ug/kg	650 U	670 U	3,300 U	3,300 U	3,200 U	650 U	660 U
Acenaphthene	ug/kg	5.6 J	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
Acenaphthylene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
Acetophenone	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Anthracene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	170	2.7 U	2.6 U
Atrazine	ug/kg	130 U	130 U	660 U	660 U	650 U	130 U	130 U
Benzaldehyde	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 UJ	260 U	260 U
Benzidine	ug/kg	2,700 U	2,800 U	14,000 U	14,000 U	14,000 U	2,700 U	2,800 U
Benzo(a)anthracene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 U	13 U	2.7 UJ	2.6 U
Benzo(a)pyrene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 U
Benzo(e)pyrene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 U
Benzoic Acid	ug/kg	650 U	670 UJ	3,300 U	3,300 U	3,200 U	650 U	660 U
Biphenyl	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
bis(2-Chloroethoxy)methane	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
bis(2-Chloroethyl)ether	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
Butyl benzyl phthalate	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
C1-Chrysenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-MUS122	NB03CRB123 08/24/15 NB03CRB-MUS123	NB03CRB124 09/08/15 NB03CRB-MUS124	NB03CRB125 08/30/15 NB03CRB-MUS125	NB03CRB126 09/08/15 NB03CRB-MUS126	NB03CRB127 08/30/15 NB03CRB-MUS127	NB03CRB129 08/19/15 NB03CRB-MUS129
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C1-Naphthalenes	ug/kg	3.3 J	2.7 U	13 U	2.6 U	20 J	3.3 J	2.6 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C2-Naphthalenes	ug/kg	4.8 J	2.7 U	13 U	2.6 U	16 J	4.2 J	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C3-Naphthalene	ug/kg	4.1 J	2.7 U	13 U	2.6 U	13 U	3.2 J	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
Caprolactam	ug/kg	130 U	130 U	660 U	660 U	650 U	130 U	130 U
Carbazole	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Chrysene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 U	13 U	2.7 UJ	2.6 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 U
Dibenzofuran	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Diethyl phthalate	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
Dimethylphthalate	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
Di-n-Butylphthalate	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
Di-n-Octylphthalate	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
Fluoranthene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 U	13 U	2.7 UJ	2.6 U
Fluorene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	450	2.7 U	2.6 U
Hexachlorobutadiene	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Hexachlorocyclopentadiene	ug/kg	650 U	670 U	3,300 U	3,300 U	3,200 U	650 U	660 U
Hexachloroethane	ug/kg	130 U	130 U	660 U	660 U	650 U	130 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 UJ	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 UJ
Isophorone	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Naphthalene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
Nitrobenzene	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
N-Nitroso-di-n-propylamine	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
N-Nitrosodiphenylamine	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Pentachlorophenol	ug/kg	130 U	130 U	660 U	660 U	650 U	130 U	130 U
Perylene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	13 U	2.7 U	2.6 U
Phenanthrene	ug/kg	2.6 U	2.7 U	13 U	2.6 U	58	2.7 U	2.6 U
Phenol	ug/kg	65 U	67 U	330 U	330 U	320 U	65 U	66 U
Pyrene	ug/kg	2.6 U	2.7 UJ	13 U	2.6 U	13 U	2.7 UJ	2.6 U
Pyridine	ug/kg	260 U	270 U	1,300 U	1,300 U	1,300 U	260 U	260 U
Total HMW PAHs	ppb	2.6 UJ	2.7 UJ	13 U	2.6 UJ	13 U	2.7 UJ	2.6 UJ
Total LMW PAHs	ppb	5.6 J	2.7 U	13 U	2.6 U	700 J	2.8 J	2.6 U
TOTAL PAHs	ppb	5.6 J	2.7 UJ	13 U	2.6 UJ	700 J	2.8 J	2.6 UJ
Physical Properties[1]								
Percent Moisture	%	80.2	79.8	79.9	80	79.1	79.3	80.3
Water Content ASTM D2216	%	404	395	398	400	377	383	408

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/19/15	08/26/15
Sample Name:	Units	NB03CRB-MUS130	NB03CRB-MUS131	NB03CRB-MUS132	NB03CRB-MUS133	NB03CRB-MUS134	NB03CRB-MUS-C001	NB03CRB-MUS-C002
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	0.129 JBQ	0.118 JBQ	0.121 JBQ	0.163 JB	0.239 JBQ	0.18 JBQ	0.107 JBQ
1,2,3,4,6,7,8-HpCDF	ng/kg	0.194 JB	0.121 JBQ	0.449 JB	0.881 JBQ	0.176 JB	0.295 JB	0.24 JBQ
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0318 JBQ	0.0178 U	0.0274 JBQ	0.03 JBQ	0.0377 JBQ	0.0281 JBQ	0.0235 JB
1,2,3,4,7,8-HxCDD	ng/kg	0.0324 JBQ	0.0166 U	0.0392 JBQ	0.0199 U	0.0459 JBQ	0.0227 JQ	0.0242 U
1,2,3,4,7,8-HxCDF	ng/kg	0.177 JB	0.114 JB	0.685 J	1.14 J	0.165 J	0.498 JB	0.27 JBQ
1,2,3,6,7,8-HxCDD	ng/kg	0.0552 JB	0.019 JBQ	0.0675 JQ	0.0988 JQ	0.139 J	0.0682 JB	0.0299 U
1,2,3,6,7,8-HxCDF	ng/kg	0.0766 JBQ	0.0917 JB	0.158 JBQ	0.282 JB	0.0936 JB	0.12 JBQ	0.08 JBQ
1,2,3,7,8,9-HxCDD	ng/kg	0.0288 JBQ	0.0175 U	0.0254 J	0.0478 JQ	0.0289 U	0.0178 U	0.039 JBQ
1,2,3,7,8,9-HxCDF	ng/kg	0.0761 JBQ	0.0341 JBQ	0.0579 JB	0.0797 JB	0.0915 JB	0.0574 JBQ	0.0608 JBQ
1,2,3,7,8-PeCDD	ng/kg	0.0848 JBQ	0.125 JBQ	0.516 JQ	0.386 JQ	0.532 JQ	0.182 JQ	0.101 JBQ
1,2,3,7,8-PeCDF	ng/kg	0.188 JB	0.129 JBQ	0.219 JB	0.414 JBQ	0.263 JB	0.16 JBQ	0.237 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.0364 JBQ	0.0335 JBQ	0.0467 J	0.0858 JQ	0.0575 J	0.0364 JBQ	0.0299 JBQ
2,3,4,7,8-PeCDF	ng/kg	0.348 JB	0.2 JB	0.386 JB	0.889 JB	0.308 JB	0.418 JB	0.273 JB
2,3,7,8-TCDD	ng/kg	2.18	2.17	3.49	7.1	1.31	3.13	2.45
2,3,7,8-TCDF	ng/kg	0.921 J	0.819 JB	0.98	1.74 CQ	1.08 C	1.07 BC	0.872 JBQ
OCDD	ng/kg	0.459 JB	0.707 JB	0.409 JBQ	0.465 JBQ	0.653 JBQ	0.415 JBQ	0.213 JB
OCDF	ng/kg	0.0912 JB	0.0994 JBQ	0.122 JB	0.131 JBQ	0.076 JB	0.0549 JBQ	0.0637 JB
Percent Lipid	%	0.1	0.19	0.48	0.48	0.29	0.39	0.2
Metals								
Aluminum	mg/kg	5.49 U	5.6 U	5.6 U	5.38 U	5.54 U	5.38 U	5.49 U
Antimony	mg/kg	0.0647 U	0.066 U	0.066 U	0.0635 U	0.0653 U	0.0635 U	0.0647 U
Arsenic	mg/kg	2.11	2.57	1.8	1.54	2.09 J	1.65	2.17
Barium	mg/kg	0.721	0.762	1.66	0.363 B	0.272 BJ	0.488	0.383 B
Beryllium	mg/kg	0.0139 U	0.0142 U	0.0142 U	0.0137 U	0.0141 U	0.0137 U	0.0139 U
Cadmium	mg/kg	0.0451 U	0.046 U	0.046 U	0.0442 U	0.0455 U	0.0442 U	0.0451 U
Calcium	mg/kg	4,370	5,050	3,070	937	1,310 J	900	1,140
Chromium	mg/kg	0.098 U	0.1 U	0.1 U	0.0962 U	0.099 U	0.0962 U	0.098 U
Cobalt	mg/kg	0.0196 U	0.02 U	0.02 U	0.0213 B	0.0198 U	0.0192 U	0.0196 U
Copper	mg/kg	13.2	8.93	14.8	12.9	12.8 J	10.7	12.7
Iron	mg/kg	4.55 B	6.87 B	9.74 B	9.97 B	6.35 BJ	8.03 B	4.75 B
Lead	mg/kg	0.0363 B	0.049 B	0.0452 B	0.0481 B	0.083 BJ	0.025 U	0.0255 U
Magnesium	mg/kg	576	533	639	471	500 J	389	413
Manganese	mg/kg	4.86	6.13	4.9	1.81	0.796 J	3.04	2.07
Mercury	ng/g	112	114	156	181	49.5	169	209
Methyl Mercury	ng/g	169	145	114	191	47.6	71.8 J	217
Nickel	mg/kg	0.184 U	0.188 U	0.188 U	0.181 U	0.186 U	0.181 U	0.184 U
Potassium	mg/kg	4,110	4,000	5,770	4,850	4,920 J	4,120	4,450
Selenium	mg/kg	0.691	0.724	0.837	0.642	0.579	0.668	0.814
Silver	mg/kg	0.302	0.22	0.375	0.322	0.127	0.274	0.333
Sodium	mg/kg	2,000	2,030	2,750	2,200	2,910 J	1,820	2,180
Thallium	mg/kg	0.0294 U	0.03 U	0.03 U	0.0288 U	0.0297 U	0.0288 U	0.0294 U
Titanium	mg/kg	0.167 U	0.176 B	0.17 U	0.163 U	0.168 U	0.176 B	0.167 U
Vanadium	mg/kg	0.0294 U	0.03 U	0.037 B	0.0288 U	0.0297 U	0.0288 U	0.0318 B
Zinc	mg/kg	47.5	38	54.4	50.7	48.9 J	32.1	32.8
Butyltins								
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	NA	1.3 UJ	1.3 U	1.3 UJ
Monobutyltin	ug/kg	21 UCN	21 UCN	20 UCN	NA	21 UJCN	20 UCN	21 UJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-MUS130	NB03CRB131 08/26/15 NB03CRB-MUS131	NB03CRB132 08/24/15 NB03CRB-MUS132	NB03CRB133 08/24/15 NB03CRB-MUS133	NB03CRB134 08/24/15 NB03CRB-MUS134	NB03CRBCEN 08/19/15 NB03CRB-MUS-C001	NB03CRBCEN 08/26/15 NB03CRB-MUS-C002
Tetrabutyltin	ug/kg	1.7 U	1.7 U	1.7 U	NA	1.7 UJ	1.7 U	1.7 U
Tributyltin	ug/kg	1.5 U	1.5 U	1.5 U	NA	1.5 UJ	1.5 UJ	1.5 U
PCB Congeners								
PCB-1	ng/kg	0.953 U	3.63	0.997 U	1.5 J	33.6 B	0.999 J	1.1 J
PCB-2	ng/kg	0.863 J	0.667 U	0.698 U	0.679 U	5.3 U	0.676 U	0.685 U
PCB-3	ng/kg	3.43 J	1.05 U	1.1 U	1.07 U	R	1.06 U	1.08 U
PCB-4	ng/kg	1.24 U	1.24 U	1.3 U	5.7	48.5	4.78 J	1.27 U
PCB-5	ng/kg	0.763 U	0.762 U	0.798 U	0.776 U	6.06 U	0.772 U	0.783 U
PCB-6	ng/kg	0.667 U	0.667 U	1.55 J	3.04	22.1 B	1.84 J	0.685 U
PCB-7	ng/kg	2.18	0.762 U	0.798 U	0.776 U	60.5	0.772 U	0.783 U
PCB-8	ng/kg	1.43 U	16 B	1.5 U	1.45 U	11.4 U	1.45 U	1.47 U
PCB-9	ng/kg	0.903 J	0.667 U	0.698 U	0.679 U	11.5 JB	0.676 U	0.685 U
PCB-10	ng/kg	1.24 U	1.24 U	1.3 U	1.26 U	9.85 U	1.25 U	1.27 U
PCB-11	ng/kg	40.8	3.24 U	3.39 U	43 B	129 B	3.28 U	3.33 U
PCB-12/13	ng/kg	8.5	5.66	5.62	12.8	22.8 J	5.16	2.41 J
PCB-14	ng/kg	0.763 U	0.762 U	0.798 U	0.776 U	7.13 J	0.772 U	0.783 U
PCB-15	ng/kg	199 J	91.9	222	307 E	225 B	175	73.4
PCB-16	ng/kg	0.858 U	0.857 U	2.29	3.42	19.2	0.869 U	0.881 U
PCB-17	ng/kg	12.7	14.9 B	9.54	15.4	28 B	0.869 U	0.881 U
PCB-18/30	ng/kg	14.6	21 B	1.6 U	1.55 U	12.1 U	1.54 U	1.57 U
PCB-19	ng/kg	0.763 U	0.762 U	0.804 J	0.776 U	6.06 U	0.772 U	0.992 J
PCB-20/28	ng/kg	3,320 BEJ	1,060 BE	3,910 BE	5,560 BE	2,580 BJ	2,560 BE	1,070 BE
PCB-21/33	ng/kg	20.1 B	12.5	14.6	28.9	37.5 JB	2.03 U	6.26
PCB-22	ng/kg	51.9 B	31	23.8	59.3	48.7	0.869 U	12.9
PCB-23	ng/kg	0.667 U	0.667 U	0.698 U	0.679 U	5.3 U	0.676 U	0.685 U
PCB-24	ng/kg	0.953 U	0.952 U	0.997 U	0.97 U	7.58 U	0.965 U	0.978 U
PCB-25	ng/kg	15.3	11.5	13.4	27.5	17.5	11.8	5.05
PCB-26/29	ng/kg	16.9 B	12.1	12.6	20.2	26.8 J	1.16 U	4.93
PCB-27	ng/kg	3.39	4.58	2.53	3.84	6.06 U	3.74	1.45 J
PCB-31	ng/kg	105 B	81.1 B	67.7	127	110 B	1.74 U	32 B
PCB-32	ng/kg	23.6 B	21.2 B	14.1	28.6	33 B	0.772 U	7.77 B
PCB-34	ng/kg	2.39	0.667 U	2.49	3.28	5.3 U	1.87 J	0.685 U
PCB-35	ng/kg	2.44	0.857 U	1.68 J	4.69	6.82 U	1.62 J	0.881 U
PCB-36	ng/kg	1.26 J	0.762 U	0.914 J	1.62 J	6.06 U	0.819 J	0.783 U
PCB-37	ng/kg	327 BEJ	124	377 E	531 E	284	235	82.5
PCB-38	ng/kg	0.667 U	0.667 U	0.698 U	0.679 U	5.3 U	0.676 U	0.685 U
PCB-39	ng/kg	4.68	2.19	7.44	11	6.06 U	4.04	2.39
PCB-40/71	ng/kg	67.9	49.1	55.1	80.3	55.8 J	62.1	19
PCB-41	ng/kg	4 U	4 U	4.19 U	4.07 U	31.8 U	4.05 U	4.11 U
PCB-42	ng/kg	18.7	19	18.9	32.7	22.4 J	1.54 U	7.88
PCB-43	ng/kg	4.84	3.7 J	2.82 J	3.77 J	10.6 U	3.16 J	1.37 U
PCB-44/47/65	ng/kg	1,590 BJ	743	2,030 E	3,680 E	2,380	1,200 B	699
PCB-45	ng/kg	2.1 U	2.1 U	2.19 U	2.13 U	16.7 U	2.12 U	2.15 U
PCB-46	ng/kg	0.956 J	0.952 U	0.997 U	1.2 J	7.58 U	0.965 U	0.978 U
PCB-48	ng/kg	6.42	6	6.08	8.88	10.6 U	1.35 U	1.37 U
PCB-49/69	ng/kg	29 B	35	36.7	49.2	46.9 J	2.51 U	12.5
PCB-50/53	ng/kg	3.33 J	4.96 J	3.58 J	4.66 J	18.9 U	6.22 J	2.45 U
PCB-51	ng/kg	2.43 J	2.82 J	3.74 J	5.96	16.7 U	3.56 J	2.15 U
PCB-52	ng/kg	31.3	43.2	42.2	49.5	68.1	1.45 U	13.2

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-MUS130	NB03CRB131 08/26/15 NB03CRB-MUS131	NB03CRB132 08/24/15 NB03CRB-MUS132	NB03CRB133 08/24/15 NB03CRB-MUS133	NB03CRB134 08/24/15 NB03CRB-MUS134	NB03CRBCEN 08/19/15 NB03CRB-MUS-C001	NB03CRBCEN 08/26/15 NB03CRB-MUS-C002
PCB-54	ng/kg	1.33 U	1.33 U	1.4 U	1.36 U	10.6 U	1.35 U	1.37 U
PCB-55	ng/kg	6.68	1.52 J	4.05 J	1.16 U	9.47 J	1.16 U	1.17 U
PCB-56	ng/kg	44.9	24.3	27.6	70.7	40.9	29.1	10.2
PCB-57	ng/kg	1.4 J	1.05 U	1.1 U	1.34 J	8.33 U	1.06 U	1.08 U
PCB-58	ng/kg	1.33 U	1.33 U	1.44 J	1.36 U	10.6 U	1.35 U	1.37 U
PCB-60	ng/kg	741 BEJ	281	619 E	865 E	650	412	187
PCB-61/70/74/76	ng/kg	2,330 BEJ	773	2,130	3,480 E	2,770 B	1,320	658
PCB-62/75	ng/kg	121	52.4	164	221	158	92.7	54.6
PCB-63	ng/kg	39.8	17.4	38.4	60.2	32 J	21.6	11.9
PCB-64	ng/kg	41.8 B	42.7	35.2	67.3	47	1.25 U	14
PCB-66	ng/kg	3,670 BEJ	918 BE	3,730 BE	6,000 BE	3,940 B	2,170 BE	983 BE
PCB-67	ng/kg	6.22	3.47 J	6.76	18.2	10.6 J	5.16	2.15 J
PCB-68	ng/kg	16.6	6.37	23	32.9	21.2 J	11.3	7.96
PCB-72	ng/kg	6.62	1.24 U	7.11	9.37	9.85 U	6.09	1.27 U
PCB-73	ng/kg	1.76 J	1.33 U	1.44 J	2.13 J	10.6 U	1.35 U	1.37 U
PCB-77	ng/kg	R	R	255	356	237	140	52.6
PCB-78	ng/kg	1.53 U	1.52 U	1.6 U	1.55 U	12.1 U	1.54 U	1.57 U
PCB-79	ng/kg	6.4	3.15 J	8.78	16.9	13.7 J	5.62	2.74 J
PCB-80	ng/kg	1.05 U	1.05 U	1.1 U	1.07 U	8.33 U	1.06 U	1.08 U
PCB-81	ng/kg	12.2	4.5 J	8.69	14.1	15.4 J	5.24	2.46 J
PCB-82	ng/kg	2.45 J	2.88 J	2.75 J	4.5 J	11.4 U	1.45 U	1.47 U
PCB-83	ng/kg	2.76 U	2.76 U	2.89 U	2.81 U	22 U	3.46 J	2.84 U
PCB-84	ng/kg	7.1	5.48	5.25	8.61	8.33 U	1.06 U	2.78
PCB-85/116/117	ng/kg	477 J	263	616	1,020	1,420	370	181
PCB-86/87/97/109/119/125	ng/kg	170	105	233	410	443	7.14 U	76.5
PCB-88	ng/kg	2.1 U	2.1 U	2.19 U	20.2	16.7 U	2.12 U	2.15 U
PCB-89	ng/kg	1.24 U	1.24 U	1.3 U	1.26 U	9.85 U	1.25 U	1.27 U
PCB-90/101/113	ng/kg	87.5 B	70.5	121	182	157	4.54 U	35.9
PCB-91	ng/kg	12	12.1	15.2	19	17.2 J	2.12 U	4.85 J
PCB-92	ng/kg	11.4	14.2	16.6	18.6	9.85 U	1.25 U	5.5
PCB-93/100	ng/kg	72.1	41.3	114	277	168	71.9	39.7
PCB-94	ng/kg	4.24 J	3.58 J	3.85 J	4.95	9.85 U	3.21 J	1.89 J
PCB-95	ng/kg	31.4	22.1	24.9	41.8	68.8 J	40	10.3 J
PCB-96	ng/kg	1.43 U	1.43 U	1.5 U	1.45 U	11.4 U	1.45 U	1.47 U
PCB-98/102	ng/kg	7.34 U	7.33 U	7.68 U	7.47 U	58.3 U	7.43 U	7.53 U
PCB-99	ng/kg	1,890 BEJ	996 E	2,410 E	4,280 E	5,800 BE	1,520 BE	736 E
PCB-103	ng/kg	1.05 U	1.05 U	1.1 U	1.3 J	8.33 U	1.48 J	1.08 U
PCB-104	ng/kg	1.33 U	1.33 U	1.4 U	1.36 U	10.6 U	1.35 U	1.37 U
PCB-105	ng/kg	1,170 BEJ	352	1,040 E	1,630 E	3,200 BJ	658 E	275
PCB-106	ng/kg	1.62 U	1.62 U	1.69 U	1.65 U	12.9 U	1.64 U	1.66 U
PCB-107	ng/kg	157 J	67	171	296	379	100	56
PCB-108/124	ng/kg	6.41 J	3.02 J	5.14 J	8.13 J	22 U	5.81 J	2.84 U
PCB-110/115	ng/kg	139 B	112	170	278	366	3.76 U	50.5
PCB-111	ng/kg	2.63 J	1.74 J	4.04 J	6.42	10.6 U	2.93 J	1.49 J
PCB-112	ng/kg	1.33 U	1.33 U	2.24 J	1.36 U	10.6 U	1.35 U	1.37 U
PCB-114	ng/kg	103 J	33.2	79.1	140	281	48.1	22.2
PCB-118	ng/kg	3,780 BEJ	1,160 BE	3,510 E	6,450 E	12,300 BEJ	2,060 BE	999 BE
PCB-120	ng/kg	15.3	7.14	23.7	40.9	9.85 U	15.7	6.84
PCB-121	ng/kg	1.78 J	1.14 U	2.96 J	5.17	9.09 U	1.72 J	1.17 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-MUS130	NB03CRB131 08/26/15 NB03CRB-MUS131	NB03CRB132 08/24/15 NB03CRB-MUS132	NB03CRB133 08/24/15 NB03CRB-MUS133	NB03CRB134 08/24/15 NB03CRB-MUS134	NB03CRBCEN 08/19/15 NB03CRB-MUS-C001	NB03CRBCEN 08/26/15 NB03CRB-MUS-C002
PCB-122	ng/kg	1.14 U	1.14 U	1.2 U	1.16 U	9.09 U	1.16 U	1.17 U
PCB-123	ng/kg	94.2 J	26.1	71.3	123	221	43.5	20.1
PCB-126	ng/kg	10.4	3.09 J	7.48	14	22.6 J	4.41 J	2.22 J
PCB-127	ng/kg	2.62 J	1.33 U	3.75 J	8.2	15 J	2.18 J	1.37 U
PCB-128/166	ng/kg	216 J	92.8	283	549	1,070	182	84.5
PCB-129/138/163	ng/kg	1,630 J	554	2,180 E	4,780 E	6,570 B	6.08 U	662
PCB-130	ng/kg	25.9	15.8	36.2	63.7	45.7	23.2	11.2
PCB-131	ng/kg	1.62 U	1.62 U	1.78 J	2.3 J	12.9 U	1.77 J	1.66 U
PCB-132	ng/kg	3.46 J	4.76 J	4.6 J	7.51	14.4 J	1.54 U	1.57 U
PCB-133	ng/kg	36.3	17.5	48.9	101	168	34	19.8
PCB-134	ng/kg	3.15 U	3.14 U	3.29 U	3.2 U	25 U	3.19 U	3.23 U
PCB-135/151	ng/kg	11.9	15.4	21.9	26.2	34.8 U	4.44 U	7.15 J
PCB-136	ng/kg	1.61 J	1.73 J	2.01 J	3.21 J	12.1 U	2.88 J	1.57 U
PCB-137	ng/kg	109 J	40.8	107	251	622	71.9	38.4
PCB-139/140	ng/kg	39.2	19.5	50.3	103	191	37.1	17.9
PCB-141	ng/kg	6.64	R	9.2	15.9	34.4 J	1.64 U	2.87 J
PCB-142	ng/kg	1.62 U	1.62 U	1.69 U	1.65 U	12.9 U	1.64 U	1.66 U
PCB-143	ng/kg	3.15 U	3.14 U	3.29 U	3.2 U	25 U	3.19 U	3.23 U
PCB-144	ng/kg	3.41 J	3.11 J	4.41 J	6.7	11.4 U	5.69	1.59 J
PCB-145	ng/kg	1.53 U	1.52 U	1.6 U	1.55 U	12.1 U	1.54 U	1.57 U
PCB-146	ng/kg	R	137	392	805 E	1,090	1.35 U	132
PCB-147/149	ng/kg	72.9 B	48.8	119	178	160 B	3.38 U	35.3
PCB-148	ng/kg	8.81	6.21	13.2	23.7	10.6 U	9.62	5.49
PCB-150	ng/kg	1.43 U	1.43 U	1.5 U	1.45 U	11.4 U	1.45 U	1.47 U
PCB-152	ng/kg	1.33 U	1.33 U	1.4 U	1.36 U	10.6 U	1.35 U	1.37 U
PCB-153/168	ng/kg	2,320 BEJ	963 B	2,900 E	6,720 E	8,980 B	1,830 BE	933 B
PCB-154	ng/kg	63.2	32.9	97.4	185	171	72.1	34
PCB-155	ng/kg	20.9	9.51	34.1	74.8	42	18.3	9.6
PCB-156/157	ng/kg	287 J	88.8	257	510	1,310	156	72.5
PCB-158	ng/kg	208 J	73.6	215	495	1,080	156	72.7
PCB-159	ng/kg	1.33 U	1.33 U	1.4 U	2.35 J	10.6 U	1.35 U	1.37 U
PCB-160	ng/kg	6.01 U	6 U	6.28 U	6.11 U	47.7 U	6.08 U	6.16 U
PCB-161	ng/kg	1.24 U	1.24 U	1.3 U	1.26 U	9.85 U	1.25 U	1.27 U
PCB-162	ng/kg	13.3	1.24 U	1.3 U	1.26 U	39.6	8.32	4.69 J
PCB-164	ng/kg	4.67 J	2.81 J	6.15	1.45 U	11.4 U	1.45 U	1.47 U
PCB-165	ng/kg	R	1.24 U	2.02 J	4.52 J	9.85 U	1.79 J	1.27 U
PCB-167	ng/kg	111 J	32.1	100	207	454	59.2	27.8
PCB-169	ng/kg	1.43 U	1.43 U	1.5 U	1.45 U	11.4 U	1.45 U	1.47 U
PCB-170	ng/kg	172 J	51.1	224	523	1,100	1.25 U	56.5
PCB-171/173	ng/kg	R	31	117	279	547	R	34.8
PCB-172	ng/kg	29.9	12.4	53	124	239	1.25 U	15.3
PCB-174	ng/kg	4.69 J	3.07 J	8.94	15.3	11.4 U	1.45 U	2.71 J
PCB-175	ng/kg	13.7	6.23	18.4	37.1	73.6	13.3	7.11
PCB-176	ng/kg	1.29 J	1.14 U	1.78 J	3.14 J	9.09 U	2.25 J	1.17 U
PCB-177	ng/kg	50	22.6	79.6	145	149	1.06 U	21.2
PCB-178	ng/kg	92.4	40.7	127	252	545	110	52.9
PCB-179	ng/kg	1.33 U	1.79 J	2.81 J	4.05 J	10.6 U	3.72 J	1.37 U
PCB-180/193	ng/kg	744 BJ	257	973	2,310 E	4,460 J	2.9 U	253
PCB-181	ng/kg	3.77 J	1.71 J	5.47	12.4	R	2.75 J	1.41 J

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-MUS130	NB03CRB131 08/26/15 NB03CRB-MUS131	NB03CRB132 08/24/15 NB03CRB-MUS132	NB03CRB133 08/24/15 NB03CRB-MUS133	NB03CRB134 08/24/15 NB03CRB-MUS134	NB03CRBCEN 08/19/15 NB03CRB-MUS-C001	NB03CRBCEN 08/26/15 NB03CRB-MUS-C002
PCB-182	ng/kg	3.62 J	1.72 J	4.57 J	11.8	9.85 U	3.24 J	1.54 J
PCB-183/185	ng/kg	256 J	72.2	353	830	1,370	2.7 U	88.8
PCB-184	ng/kg	2.43 J	1.33 U	4.07 J	7.45	10.6 U	2.5 J	1.55 J
PCB-186	ng/kg	1.43 U	1.43 U	1.5 U	1.45 U	11.4 U	1.45 U	1.47 U
PCB-187	ng/kg	482 BJ	188 B	745 E	1,580 E	2,230 BJ	1.64 U	241 B
PCB-188	ng/kg	6.69	2.94 J	6.72	13.6	11.4 U	5.01	2.68 J
PCB-189	ng/kg	12.9	3.87 J	13.6	31.8	45.8 J	7.95	3.91 J
PCB-190	ng/kg	59.7	17.8	58.9	124	355	1.35 U	16.7
PCB-191	ng/kg	12.9	4.4 J	13.8	33.4	91	8.68	4.22 J
PCB-192	ng/kg	1.24 U	1.24 U	1.3 U	1.26 U	9.85 U	1.25 U	1.27 U
PCB-194	ng/kg	76.7 J	23.2	97.2	264	180	1.74 U	28.6
PCB-195	ng/kg	26.8	6.91	34	71.6	106	19.5	8.8
PCB-196	ng/kg	88.7 J	27.4	99.9	234	311	51.4	29.2
PCB-197/200	ng/kg	8.82 J	4.1 U	12.8	24.9	32.6 U	R	4.21 J
PCB-198/199	ng/kg	166	57.2	239	513	554	3.57 U	73.3
PCB-201	ng/kg	28.8	11.5	43.8	83.7	85.3	27.3	15.2
PCB-202	ng/kg	93.2	33.4	98.5	176	262	75.3	38.6
PCB-203	ng/kg	89.9	23.5	118	259	222	67.9	27.8
PCB-204	ng/kg	2 U	2 U	2.09 U	2.04 U	15.9 U	2.03 U	2.05 U
PCB-205	ng/kg	1.43 U	1.43 U	2.58 J	4.48 J	11.4 U	1.49 J	1.47 U
PCB-206	ng/kg	56.3	1.52 U	72.5	149	119	44.6	19.9
PCB-207	ng/kg	10.6	1.81 U	14.2	26.8	26.2 J	10	4.24 J

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/19/15	08/26/15
Sample Name:	Units	NB03CRB-MUS130	NB03CRB-MUS131	NB03CRB-MUS132	NB03CRB-MUS133	NB03CRB-MUS134	NB03CRB-MUS-C001	NB03CRB-MUS-C002
PCB-208	ng/kg	44.3	13.2	51.7	93.7	95.2	36.1	15.1
PCB-209	ng/kg	63.8	16.7	59.5	108	97.6 J	1.54 U	19.7
Total PCB Congeners (209)	ng/kg	29,100 J	10,900 J	33,200 J	60,700 J	74,400 J	16,600 J	9,830 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.1 U	7.1 U	7.2 U	7.2 U	7.1 U	7.1 U	7 U
Aroclor-1221	ug/kg	9.1 U	9 U	9.2 U	9.2 U	9.1 U	9.1 U	9 U
Aroclor-1232	ug/kg	16 U	16 U	16 U	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.5 U	6.5 U	6.6 U	6.6 U	6.5 U	6.5 U	6.4 U
Aroclor-1248	ug/kg	6.5 U	6.5 U	6.6 U	19 J	6.5 U	6.5 U	6.4 U
Aroclor-1254	ug/kg	6.5 U	6.5 U	6.6 U	6.6 U	6.5 U	6.5 U	6.4 U
Aroclor-1260	ug/kg	9.7 U	9.6 U	43	9.8 U	9.7 U	9.7 U	9.5 U
Aroclor-1262	ug/kg	6.5 U	6.5 U	6.6 U	6.6 U	6.5 U	13 J	6.4 U
Aroclor-1268	ug/kg	6.5 U	6.5 U	6.6 U	6.6 U	6.5 U	6.5 U	6.4 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	16 U	43	19 J	16 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	16 U	43	19 J	16 U	13 J	16 U
Pesticides								
2,4'-DDD	pg/g	26 J	12 J	7.81 J	4.98 U	28.9 J	18.9 JD	16.5 J
2,4'-DDE	pg/g	123	57 B	10.2 JB	23 JB	35.9 BJ	29.1 JD	28.6 JB
2,4'-DDT	pg/g	10.8 U	10.1 J	10.9 J	10.8 U	24.9 J	10.8 UD	10.8 U
4,4'-DDD	pg/g	6,330	2,170 B	2,370	5,080	14,300 J	3,230 DJ	2,420 B
4,4'-DDE	pg/g	22,300 BJ	7,520 B	8,080 B	14,200 B	27,000 BDJ	11,800 BDJ	10,600 B
4,4'-DDT	pg/g	120 BJ	94.6 BJ	273	108 J	144	73 JD	76.3 BJ
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 UD	9.16 U
Alpha-BHC	pg/g	8.52 J	6.49 J	4.6 J	8.52 J	6.11 J	8.47 JD	6.85 J
Alpha-Chlordane	pg/g	362	60.2	251	447	399	226 DJ	322
Beta-BHC	pg/g	20.1 J	11.1 U	11.1 U	11.1 U	11.1 U	9.61 JD	16 J
cis-Nonachlor	pg/g	928 J	179	547	811	241	422 DJ	663
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 UD	5.08 U
Dieldrin	pg/g	1,430	307	1,180	1,580	528	778 DJ	1,410
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 UD	57.4 U
Endosulfan II	pg/g	R	58.3 U	58.3 U	58.3 U	58.3 UJ	58.3 UD	58.3 U
Endosulfan Sulfate	pg/g	R	63.3 U	63.3 U	R	63.3 U	63.3 UD	63.3 U
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 UD	13.9 U
Endrin Aldehyde	pg/g	R	R	R	R	131 U	131 UD	R
Endrin Ketone	pg/g	R	76 U	76 U	R	76 U	76 UD	R
Gamma-BHC (Lindane)	pg/g	7.69 U	7.69 U	7.69 U	4.32 J	7.69 U	7.69 UD	7.69 U
Heptachlor	pg/g	32.5 UJ	32.5 U	32.5 U	32.5 U	32.5 U	32.5 UD	32.5 U
Heptachlor Epoxide	pg/g	286	60.9	197	441	122	142 DJ	207
Hexachlorobenzene	pg/g	412 B	104 B	214 B	335 B	123 B	119 JBD	165 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	38.9 UJ	R	38.9 UJ	38.9 UDJ	8.78 J
Mirex	pg/g	69.3 J	9.33 U	26.2 J	50.7 J	26.5 J	34.7 JD	47.1 J
Nonachlor, trans-	pg/g	1,820	358	988	1,610	576 J	733 DJ	1,120
Oxychlordane	pg/g	2,160	549	1,540	2,560	773	963 D	1,300
trans-Chlordane	pg/g	13.7 U	13.7 U	30.1	45.3	22.2 J	13.7 UD	13.7 U
trans-Heptachlor Epoxide	pg/g	275	17 U	160	225	136	17 UD	235
Total Alpha + Gamma Chlordane	ppb	0.36	0.06	0.28	0.49	0.42 J	0.23 DJ	0.32
Total DDT (2,4)	ppb	0.15 J	0.079 BJ	0.029 BJ	0.023 BJ	0.09 BJ	0.048 DJ	0.045 BJ
Total DDT (4,4)	ppb	29 BJ	9.8 BJ	11 B	19 BJ	41 BDJ	15 BDJ	13 BJ
Total DDT (2,4 & 4,4)	ppb	29 BJ	9.9 BJ	11 BJ	19 BJ	42 BDJ	15 BDJ	13 BJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/19/15	08/26/15
Sample Name:	Units	NB03CRB-MUS130	NB03CRB-MUS131	NB03CRB-MUS132	NB03CRB-MUS133	NB03CRB-MUS134	NB03CRB-MUS-C001	NB03CRB-MUS-C002
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
1,2-Diphenylhydrazine	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
1-Methylnaphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
2,4,5-Trichlorophenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2,4,6-Trichlorophenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2,4-Dichlorophenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2,4-Dimethylphenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2,4-Dinitrophenol	ug/kg	5,900 U	1,200 U	1,200 U	1,200 U	1,200 U	1,200 U	1,200 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
2,6-Dinitrotoluene	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2-Chloronaphthalene	ug/kg	130 UJ	27 U	27 U	28 U	28 U	27 U	27 U
2-Chlorophenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2-Methylnaphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
2-Methylphenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2-Nitroaniline	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
2-Nitrophenol	ug/kg	330 U	65 UJ	65 U	66 U	66 U	65 U	65 UJ
3,3'-Dichlorobenzidine	ug/kg	2,000 U	500 J	390 U	400 U	400 U	390 U	390 U
3-Nitroaniline	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	650 U	650 U	660 U	660 U	650 U	650 U
4-Bromophenyl phenyl ether	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
4-Chloro-3-Methylphenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
4-Chloroaniline	ug/kg	660 U	130 U	130 U	130 U	130 U	130 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
4-Methylphenol	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
4-Nitroaniline	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
4-Nitrophenol	ug/kg	3,300 U	650 U	650 U	660 U	660 U	650 U	650 U
Acenaphthene	ug/kg	2.9 J	2.6 U	2.7 U	7.2	2.6 U	2.6 U	2.6 U
Acenaphthylene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Acetophenone	ug/kg	330 U	65 UJ	65 U	66 U	66 U	65 U	65 UJ
Anthracene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Atrazine	ug/kg	660 U	130 U	130 U	130 U	130 U	130 U	130 U
Benzaldehyde	ug/kg	1,300 UJ	260 U	260 U	260 U	260 U	260 U	260 U
Benzidine	ug/kg	14,000 U	2,700 U	2,700 U	2,800 U	2,800 U	2,700 U	2,700 U
Benzo(a)anthracene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(a)pyrene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(e)pyrene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	2.6 UJ	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Benzoic Acid	ug/kg	3,300 U	650 U	650 UJ	660 UJ	660 UJ	650 U	650 U
Biphenyl	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
bis(2-Chloroethyl)ether	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
C1-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB130 09/01/15 NB03CRB-MUS130	NB03CRB131 08/26/15 NB03CRB-MUS131	NB03CRB132 08/24/15 NB03CRB-MUS132	NB03CRB133 08/24/15 NB03CRB-MUS133	NB03CRB134 08/24/15 NB03CRB-MUS134	NB03CRBCEN 08/19/15 NB03CRB-MUS-C001	NB03CRBCEN 08/26/15 NB03CRB-MUS-C002
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	2.6 U	2.7 U	3 J	2.6 U	2.6 U	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	660 U	130 U	130 U	130 U	130 U	130 U	130 U
Carbazole	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
Chrysene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Dibenzofuran	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
Diethyl phthalate	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
Dimethylphthalate	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
Fluoranthene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Fluorene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	650 U	650 U	660 U	660 U	650 U	650 U
Hexachloroethane	ug/kg	660 U	130 U	130 U	130 U	130 U	130 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 UJ	2.6 U	2.7 U	2.6 U	2.6 U	2.6 UJ	2.6 U
Isophorone	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
Naphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Nitrobenzene	ug/kg	330 U	65 UJ	65 U	66 U	66 U	65 U	65 UJ
N-Nitroso-di-n-propylamine	ug/kg	330 U	65 UJ	65 U	66 U	66 U	65 U	65 UJ
N-Nitrosodiphenylamine	ug/kg	330 U	65 U	65 U	66 U	66 U	65 U	65 U
Pentachlorophenol	ug/kg	660 U	130 U	130 U	130 U	130 U	130 U	130 U
Perylene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Phenanthrene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Phenol	ug/kg	330 U	65 UJ	65 U	66 U	66 U	65 U	65 UJ
Pyrene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Pyridine	ug/kg	1,300 U	260 U	260 U	260 U	260 U	260 U	260 U
Total HMW PAHs	ppb	2.6 UJ	2.6 U	2.7 U	2.6 U	2.6 U	2.6 UJ	2.6 U
Total LMW PAHs	ppb	2.9 J	2.6 U	2.7 U	7.2	2.6 U	2.6 U	2.6 U
TOTAL PAHs	ppb	2.9 J	2.6 U	2.7 U	7.2	2.6 U	2.6 UJ	2.6 U
Physical Properties[1]								
Percent Moisture	%	79.6	79.6	78.4	80.4	83	79.7	77.9
Water Content ASTM D2216	%	391	390	363	411	489	393	352

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	0.114 JBQ	0.13 JBQ	0.108 JBQ	0.0922 JB	0.0712 JBQ	0.0819 JB	0.185 JBQ
1,2,3,4,6,7,8-HpCDF	ng/kg	0.289 JBQ	0.278 JBQ	0.27 JB	0.111 JB	0.204 JBQ	0.324 JBQ	0.83 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0357 JBQ	0.0207 U	0.0421 JB	0.0517 JB	0.0167 JBQ	0.0267 JBQ	0.0519 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.0267 JQ	0.0239 U	0.0321 U	0.0249 JB	0.0151 JBQ	0.0356 JB	0.0307 JQ
1,2,3,4,7,8-HxCDF	ng/kg	0.431 JB	0.305 JB	0.344 JBQ	0.129 JBQ	0.254 JB	0.486 JB	1.04 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.0533 JBQ	0.0405 JQ	0.0592 JBQ	0.0256 JBQ	0.0395 JB	0.068 JBQ	0.101 J
1,2,3,6,7,8-HxCDF	ng/kg	0.109 JBQ	0.0819 JBQ	0.073 JB	0.03 JBQ	0.0484 JB	0.12 JB	0.25 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.0243 JBQ	0.0246 U	0.0312 U	0.0251 JBQ	0.0391 JBQ	0.0349 JBQ	0.0517 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.0947 JBQ	0.0305 JBQ	0.0475 JBQ	0.0805 JBQ	0.0846 JB	0.0666 JBQ	0.0754 JB
1,2,3,7,8-PeCDD	ng/kg	0.209 JQ	0.0603 U	0.152 JBQ	0.0297 U	0.108 JBQ	0.101 J	0.191 JBQ
1,2,3,7,8-PeCDF	ng/kg	0.221 JB	0.265 JBQ	0.283 JBQ	0.1 JB	0.185 JBQ	0.205 JB	0.347 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.0519 JB	0.0266 JBQ	0.0283 JBQ	0.0279 JBQ	0.0363 JBQ	0.0424 JB	0.076 JBQ
2,3,4,7,8-PeCDF	ng/kg	0.409 JBQ	0.368 J	0.324 JBQ	0.0865 JBQ	0.259 JB	0.433 JB	0.668 J
2,3,7,8-TCDD	ng/kg	2.64	4.19 B	3.45	0.841 J	1.61	3.33	4.65
2,3,7,8-TCDF	ng/kg	0.939 BCJ	1.19 C	1.03 BC	0.312 JB	0.781 J	0.989 C	1.28 C
OCDD	ng/kg	0.308 JBQ	0.426 JB	0.381 JB	0.211 JBQ	0.258 JB	0.391 JB	0.613 JBQ
OCDF	ng/kg	0.0781 JBQ	0.0606 JBQ	0.0953 JBQ	0.0863 JBQ	0.101 JBQ	0.0526 JBQ	0.148 JBQ
Percent Lipid	%	0.39	0.19	0.48	0.1	0.2	0.3	0.1
Metals								
Aluminum	mg/kg	5.33 BU	5.44 U	5.44 U	5.44 U	5.33 U	5.44 U	5.54 UJ
Antimony	mg/kg	0.0629 U	0.0641 U	0.0641 U	0.0641 U	0.0629 U	0.0641 U	0.0653 U
Arsenic	mg/kg	2.86	2.01	3.06	2.39	2.31 J	2.65	1.81
Barium	mg/kg	0.722	0.623	0.316 B	0.474 J	0.443 J	0.384 B	0.514
Beryllium	mg/kg	0.0135 U	0.0138 U	0.0138 U	0.0138 U	0.0135 U	0.0138 U	0.0141 U
Cadmium	mg/kg	0.933	0.0447 U	0.0447 U	0.0447 U	0.0438 U	0.0447 U	0.0455 U
Calcium	mg/kg	5,590	2,180	1,410	1,130 J	2,010 J	1,600	1,080
Chromium	mg/kg	0.116 B	0.0971 U	0.0971 U	0.0971 U	0.0952 U	0.0971 U	0.099 U
Cobalt	mg/kg	0.212	0.0194 U	0.0194 U	0.0194 U	0.019 U	0.0194 U	0.0198 U
Copper	mg/kg	39.3	10.3	9.72	14.5	14.8 J	15.3	13
Iron	mg/kg	45.1	4.49 U	5.38 B	13.3 B	6.47 BJ	8.84 B	8.13 B
Lead	mg/kg	0.0248 U	0.028 B	0.0252 U	0.0365 B	0.0335 BJ	0.0295 B	0.0301 B
Magnesium	mg/kg	577	444	484	438 J	445 J	512	651 J-
Manganese	mg/kg	6.23	3.96	2.8	2.43 J	6.15 J	3.02	2.39
Mercury	ng/g	168	140	185	205	175	189	173
Methyl Mercury	ng/g	120 J	322	152	212 J	148 J	196	231
Nickel	mg/kg	0.379 B	0.183 U	0.183 U	0.183 U	0.179 U	0.183 U	0.186 U
Potassium	mg/kg	2,970	4,390	4,970	4,620	4,390 J	5,530	5,090 J-
Selenium	mg/kg	1.61	0.793	0.99	0.872	0.833 J	1.07	0.77
Silver	mg/kg	1.43	0.262	0.251	0.314	0.364 J	0.396	0.345
Sodium	mg/kg	3,850	1,710	1,850	2,030 J	1,910 J	2,340	3,000 J-
Thallium	mg/kg	0.0286 U	0.0291 U	0.0291 U	0.0291 U	0.0286 U	0.0291 U	0.0297 U
Titanium	mg/kg	0.272 B	0.165 U	0.165 U	0.249 B	0.162 U	0.165 U	0.168 U
Vanadium	mg/kg	0.0286 U	0.0522 B	0.0313 B	0.0291 U	0.0286 U	0.0299 B	0.0333 B
Zinc	mg/kg	35.8	47.2	47.9	48.6 J	40.2 J	46.5	31.2
Butyltins								
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U
Monobutyltin	ug/kg	20 UCN	20 UCN	21 UCN	21 UCN	21 UCN	20 UJCN	20 UCN

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
Tetrabutyltin	ug/kg	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 U
Tributyltin	ug/kg	1.5 UJ	1.4 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
PCB Congeners								
PCB-1	ng/kg	1.47 J	0.995 U	0.992 U	1.28 J	0.963 U	0.997 U	0.983 U
PCB-2	ng/kg	0.686 U	0.697 U	0.694 U	0.672 U	0.874 J	0.833 J	0.688 U
PCB-3	ng/kg	1.08 U	1.09 U	1.09 U	1.06 U	4.6 J	2.82 J	1.08 U
PCB-4	ng/kg	6.04	16.8	1.29 U	1.25 U	1.25 U	1.3 U	6.62
PCB-5	ng/kg	0.784 U	0.796 U	0.794 U	0.768 U	0.771 U	0.798 U	0.787 U
PCB-6	ng/kg	1.52 J	0.697 U	0.694 U	0.672 U	0.674 U	0.698 U	2.99
PCB-7	ng/kg	0.784 U	0.796 U	0.794 U	0.768 U	1.89 J	0.798 U	0.787 U
PCB-8	ng/kg	1.47 U	1.49 U	1.49 U	1.44 U	1.45 U	21.6	1.47 U
PCB-9	ng/kg	0.686 U	0.697 U	0.694 U	0.672 U	1.04 J	1.48 J	0.688 U
PCB-10	ng/kg	1.27 U	1.29 U	1.29 U	1.25 U	1.25 U	1.3 U	1.28 U
PCB-11	ng/kg	3.33 U	3.38 U	3.37 U	3.26 U	34	3.39 U	3.34 U
PCB-12/13	ng/kg	3.95 J	1.89 U	2.74 J	1.93 J	6.26	4.95 J	9.33
PCB-14	ng/kg	0.784 U	0.796 U	0.794 U	0.768 U	0.771 U	0.798 U	0.787 U
PCB-15	ng/kg	173	102 B	92.9	63.3	143 B	140 B	227
PCB-16	ng/kg	0.881 U	4.19	0.893 U	0.864 U	0.867 U	0.897 U	0.885 U
PCB-17	ng/kg	0.881 U	0.896 U	6.82 B	0.864 U	19.3	0.897 U	13.2 B
PCB-18/30	ng/kg	1.57 U	25.6 B	1.59 U	1.54 U	22.7	1.6 U	22
PCB-19	ng/kg	0.784 U	3.84	1.22 J	0.768 U	2.54	1.94 J	2.32
PCB-20/28	ng/kg	2,800 BE	1,780 BE	1,500 BE	776 BE	1,880 BE	2,210 BE	4,910 BE
PCB-21/33	ng/kg	2.06 U	11.3	7.65	4.04 J	16.5 B	11	17.1
PCB-22	ng/kg	0.881 U	29.4	14.9	7.23	21.6 B	26.5 B	42.2
PCB-23	ng/kg	0.686 U	0.697 U	0.694 U	0.672 U	0.674 U	0.698 U	0.688 U
PCB-24	ng/kg	0.979 U	0.995 U	0.992 U	0.96 U	0.963 U	0.997 U	0.983 U
PCB-25	ng/kg	8.06	0.796 U	6.3	2.75	9.05	12.6	29.5
PCB-26/29	ng/kg	1.18 U	1.19 U	7.69	3.37 J	10.1 B	15.2	27.4
PCB-27	ng/kg	2.27	7.47	2.74	0.768 U	4.18	4.28	3.95
PCB-31	ng/kg	1.76 U	87.4	34.2 B	19.3 B	52.4 B	1.79 U	145 B
PCB-32	ng/kg	0.784 U	26.8	9.8 B	5.02 B	21.3 B	17.5 B	24.7
PCB-34	ng/kg	1.72 J	2.04	0.86 J	0.672 U	2.16	0.698 U	4.13
PCB-35	ng/kg	1.3 J	0.896 U	0.893 U	0.864 U	1.46 J	1.08 J	2.48
PCB-36	ng/kg	0.784 U	0.796 U	0.794 U	0.768 U	0.986 J	0.955 J	1.08 J
PCB-37	ng/kg	256	168	112	58.5	167 B	172	408 E
PCB-38	ng/kg	0.686 U	0.697 U	0.694 U	0.672 U	0.674 U	0.793 J	0.688 U
PCB-39	ng/kg	5.12	3.9	2.48	1.39 J	3.51	4.29	9.14
PCB-40/71	ng/kg	38.5	92.1	27.6	11	57.6	45.6	114
PCB-41	ng/kg	4.11 U	4.18 U	4.17 U	4.03 U	4.05 U	4.19 U	4.13 U
PCB-42	ng/kg	1.57 U	34.1	8.72	4 J	20	22.6	53.8
PCB-43	ng/kg	3.07 J	1.39 U	1.49 J	1.34 U	1.35 U	2.56 J	7.65
PCB-44/47/65	ng/kg	1,590 B	1,910 BE	1,050	446	1,340 B	1,440 B	3,350 E
PCB-45	ng/kg	2.15 U	2.19 U	2.18 U	2.11 U	2.12 U	2.19 U	2.16 U
PCB-46	ng/kg	0.979 U	0.995 U	0.992 U	0.96 U	0.963 U	1.07 J	1.67 J
PCB-48	ng/kg	1.37 U	11.4	1.39 U	1.56 J	9.98	6.62	12.8
PCB-49/69	ng/kg	2.55 U	72.7 B	14.8	6.22 J	40.9 B	41.7	82.1
PCB-50/53	ng/kg	2.5 J	9.07 J	2.48 U	2.4 U	5.79 J	5.37 J	7.58 J
PCB-51	ng/kg	2.43 J	8.33	2.18 U	2.11 U	2.12 U	3.58 J	2.16 U
PCB-52	ng/kg	1.47 U	83.3	19.4	8.56	42.9	50.8 B	79.3 B

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
PCB-54	ng/kg	1.37 U	1.39 U	1.39 U	1.34 U	1.35 U	1.4 U	1.38 U
PCB-55	ng/kg	2.11 J	1.19 U	1.77 J	1.27 J	3.39 J	4.01 J	9.72
PCB-56	ng/kg	16.2	32.2	10.2	4.26 J	25.5	25.5	62.1
PCB-57	ng/kg	1.08 U	1.66 J	1.09 U	1.06 U	1.06 U	1.24 J	2.1 J
PCB-58	ng/kg	1.37 U	1.94 J	1.39 U	1.34 U	1.77 J	1.4 U	2.56 J
PCB-60	ng/kg	434	401	242	132	342 B	434	959 E
PCB-61/70/74/76	ng/kg	1,510	1,530	836	402	1,160 B	1,440	3,320 E
PCB-62/75	ng/kg	126	133	73.7	33.9	102	104	289
PCB-63	ng/kg	22.7	30.4	10.8	5.44	17	27.4	57.8
PCB-64	ng/kg	1.27 U	65.6	15.4	7.88	34.1 B	41.4	126
PCB-66	ng/kg	2,560 BE	2,000 BE	1,160 BE	588 BE	1,820 BE	2,040 BE	5,390 E
PCB-67	ng/kg	4.7 J	7.64	2.54 J	1.23 J	4.45 J	6.06	13.7
PCB-68	ng/kg	15.7	19.2	8.9	3.68 J	12.2	16.6	31.1
PCB-72	ng/kg	5.37	9.59	1.29 U	1.25 U	4.1 J	6.63	14.4
PCB-73	ng/kg	1.49 J	1.39 U	1.72 J	1.34 U	1.35 U	1.4 U	3.11 J
PCB-77	ng/kg	167	R	64.5	31.8	120	108	332
PCB-78	ng/kg	1.57 U	1.59 U	1.59 U	1.54 U	1.54 U	1.6 U	1.57 U
PCB-79	ng/kg	5.93	6.91	1.09 U	1.55 J	5.46	5.43	13.4
PCB-80	ng/kg	1.08 U	1.09 U	1.09 U	1.06 U	1.06 U	1.1 U	1.08 U
PCB-81	ng/kg	5.61	7.14	3.18 J	1.73 U	5.12	5.33	12.8
PCB-82	ng/kg	1.47 U	6.91	1.49 U	1.44 U	4.06 J	1.82 J	3.7 J
PCB-83	ng/kg	2.84 U	2.89 U	2.88 U	2.78 U	2.79 U	2.89 U	2.85 U
PCB-84	ng/kg	1.08 U	9.11	3.64	2.03	8.1	4.82	12.3
PCB-85/116/117	ng/kg	450	511	266	109	362	318	956
PCB-86/87/97/109/119/125	ng/kg	7.25 U	239	122	44.9	163	151	415
PCB-88	ng/kg	2.15 U	2.19 U	2.18 U	2.11 U	2.12 U	2.19 U	2.16 U
PCB-89	ng/kg	1.27 U	1.29 U	1.29 U	1.25 U	1.25 U	1.3 U	1.28 U
PCB-90/101/113	ng/kg	4.6 U	188 B	47	20.6	93.4 B	95.6 B	249
PCB-91	ng/kg	2.15 U	28	7.39	3 J	2.12 U	14.5	44.1
PCB-92	ng/kg	1.27 U	31.4 B	7.44	3.39 J	13.2	15.1	33
PCB-93/100	ng/kg	94.9	131	71	24.4	75.6	90.4	203
PCB-94	ng/kg	3.47 J	5.74	2.78 J	1.25 U	3.69 J	1.3 U	7.53
PCB-95	ng/kg	22.6	R	13.4 J	7.39 U	29.1	R	59.8
PCB-96	ng/kg	1.47 U	1.49 U	1.49 U	1.44 U	1.45 U	1.5 U	1.47 U
PCB-98/102	ng/kg	7.54 U	7.66 U	7.64 U	7.39 U	7.42 U	7.68 U	10.5 J
PCB-99	ng/kg	1,900 BE	2,210 BE	1,170 E	457	1,520 BE	1,420 BE	3,950 E
PCB-103	ng/kg	1.08 U	1.09 U	1.09 U	1.06 U	1.06 U	1.1 U	2.75 J
PCB-104	ng/kg	1.37 U	1.39 U	1.39 U	1.34 U	1.35 U	1.4 U	1.38 U
PCB-105	ng/kg	738 E	726 E	370	163	571 B	553 B	1,610 E
PCB-106	ng/kg	1.67 U	1.69 U	1.69 U	1.63 U	1.64 U	1.69 U	1.67 U
PCB-107	ng/kg	123	154	70.4	27.7	90.3	112	230
PCB-108/124	ng/kg	3.06 J	6.91 J	2.88 U	2.78 U	2.79 U	3.84 J	9.67 J
PCB-110/115	ng/kg	3.82 U	218 B	69.8	29.3	72.9 B	115	338
PCB-111	ng/kg	3.84 J	1.39 U	3.08 J	1.34 U	2.95 J	3.15 J	5.86
PCB-112	ng/kg	1.37 U	1.39 U	1.39 U	1.34 U	1.35 U	1.4 U	1.38 U
PCB-114	ng/kg	56.8	72.7	34.5	12.9	42.4	46.8	124
PCB-118	ng/kg	2,600 BE	3,000 BE	1,470 BE	569 B	1,890 BE	2,130 BE	5,330 E
PCB-120	ng/kg	18.7	23	13	4.4 J	1.25 U	14.4	32.6
PCB-121	ng/kg	2.37 J	3.13 J	1.52 J	1.15 U	2.04 J	1.2 U	4.34 J

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
PCB-122	ng/kg	1.18 U	1.19 U	1.19 U	1.15 U	1.16 U	1.2 U	2.34 J
PCB-123	ng/kg	59.1	57.4	29.6	11	37.5	42.3	107
PCB-126	ng/kg	5.82	6.97	1.59 U	1.54 U	1.54 U	4.76 J	10.8
PCB-127	ng/kg	2.68 J	2.81 J	1.48 J	1.34 U	1.35 U	2.12 J	4.41 J
PCB-128/166	ng/kg	234	237	128	51	147	164	495
PCB-129/138/163	ng/kg	1,760	1,870 BE	999	376	1,080 B	1,290 B	3,750 E
PCB-130	ng/kg	23.9	36.3	12.8	5.19	19.4	22.4	55.6
PCB-131	ng/kg	1.67 U	2.13 J	1.69 U	1.63 U	1.64 U	1.69 U	3.7 J
PCB-132	ng/kg	1.57 U	12	2.62 J	1.54 U	5.51	5.58	1.57 U
PCB-133	ng/kg	48.3	58.2	33.9	10.8	35.9	46	78.7
PCB-134	ng/kg	3.23 U	3.28 U	3.27 U	3.17 U	3.18 U	3.29 U	3.24 U
PCB-135/151	ng/kg	4.51 U	37	10.4	4.41 U	12.6	15.9	32.2
PCB-136	ng/kg	2.32 J	4.25 J	1.59 U	1.54 U	2.48 J	1.91 J	3.77 J
PCB-137	ng/kg	93.6	109	62	20.6	58.6	78.6	208
PCB-139/140	ng/kg	46.5	46.2	29.8	9.68	25.2	34.2	89.9
PCB-141	ng/kg	1.67 U	17.2	3.58 J	1.89 J	9.06	8.67	15.6
PCB-142	ng/kg	1.67 U	1.69 U	1.69 U	1.63 U	1.64 U	1.69 U	1.67 U
PCB-143	ng/kg	3.23 U	3.28 U	3.27 U	3.17 U	3.18 U	3.29 U	3.24 U
PCB-144	ng/kg	4.15 J	6.36	2.07 J	1.44 U	2.87 J	2.25 J	8.1
PCB-145	ng/kg	1.57 U	1.59 U	1.59 U	1.54 U	1.54 U	1.6 U	1.57 U
PCB-146	ng/kg	370	R	214	69	217	R	629 E
PCB-147/149	ng/kg	3.43 U	144 B	44.2	18.2	61.6 B	79.6 B	238
PCB-148	ng/kg	13.8	13.9	10.9	1.34 U	8.12	9.97	19.2
PCB-150	ng/kg	1.47 U	1.49 U	1.49 U	1.44 U	1.45 U	1.5 U	1.47 U
PCB-152	ng/kg	1.37 U	1.39 U	1.39 U	1.34 U	1.35 U	1.4 U	1.38 U
PCB-153/168	ng/kg	2,400 BE	2,630 BE	1,410 BE	522 B	1,500 BE	2,040 BE	4,950 E
PCB-154	ng/kg	88.8	90.3	61.6	19.1	51.8	61.8	155
PCB-155	ng/kg	23.1	38.1	18.6	5.97	17.5 J	27.8	56.4
PCB-156/157	ng/kg	192	240	119	41.8	137	162	402
PCB-158	ng/kg	188	224	123	41	121	151	410
PCB-159	ng/kg	1.37 U	1.39 U	1.39 U	1.34 U	1.35 U	1.4 U	1.38 U
PCB-160	ng/kg	6.17 U	6.27 U	6.25 U	6.05 U	6.07 U	6.28 U	6.19 U
PCB-161	ng/kg	1.27 U	1.29 U	1.29 U	1.25 U	1.25 U	1.3 U	1.28 U
PCB-162	ng/kg	10.1	1.29 U	1.29 U	1.25 U	1.25 U	8.74	16.4
PCB-164	ng/kg	1.47 U	10.1	2.04 J	1.44 U	3.16 J	5.53	12.9
PCB-165	ng/kg	3.24 J	R	1.29 U	1.25 U	1.82 J	R	3.99 J
PCB-167	ng/kg	75.9	92.7	47.1	15.8	55.9	65.2	143
PCB-169	ng/kg	1.47 U	1.49 U	1.49 U	1.44 U	1.45 U	1.5 U	1.47 U
PCB-170	ng/kg	1.27 U	161	81.8	33.6	122	138	336
PCB-171/173	ng/kg	87.9	R	57.6	19.6	R	R	189
PCB-172	ng/kg	1.27 U	45.4	23.8	8.38	37	37.1	90.1
PCB-174	ng/kg	1.47 U	R	3.07 J	1.73 J	R	R	17.2
PCB-175	ng/kg	17.5	R	11.4	3.7 J	13.2	14.6	31
PCB-176	ng/kg	1.76 J	3.03 J	1.19 U	1.15 U	1.6 J	1.2 U	3.2 J
PCB-177	ng/kg	1.08 U	R	31.3	10.5	R	R	107
PCB-178	ng/kg	139	171	108	28.6	105	109	222
PCB-179	ng/kg	1.37 U	5.92	1.39 U	1.34 U	1.35 U	2.64 J	4.07 J
PCB-180/193	ng/kg	2.94 U	786	393	140	545 B	648 B	1,430 E
PCB-181	ng/kg	4.02 J	R	2.51 J	1.25 U	R	R	8.63

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
PCB-182	ng/kg	4.61 J	R	2.79 J	1.25 U	R	R	8.01
PCB-183/185	ng/kg	2.74 U	292	158	56	R	228	573
PCB-184	ng/kg	4.06 J	3.86 J	2.62 J	1.34 U	2.02 J	1.4 U	6.63
PCB-186	ng/kg	1.47 U	1.49 U	1.49 U	1.44 U	1.45 U	1.5 U	1.47 U
PCB-187	ng/kg	1.67 U	R	377 B	131 B	508 B	535	1,130 E
PCB-188	ng/kg	6.62	10	5.1	1.44 U	4.66 J	1.5 U	10.6
PCB-189	ng/kg	9.93	10.8	5.46	2.04 J	1.25 U	9.41	20.5
PCB-190	ng/kg	1.37 U	63.1	29.4	10.7	40.9	47.2	48.6
PCB-191	ng/kg	9.87	1.29 U	6.59	2.2 J	9.02	10.5	24.2
PCB-192	ng/kg	1.27 U	1.29 U	1.29 U	1.25 U	1.25 U	1.3 U	1.28 U
PCB-194	ng/kg	1.76 U	68.8	35.7	13.4	54.6	39.7	145
PCB-195	ng/kg	20	24.8	12.6	4.07 J	15.6	15.9	55.6
PCB-196	ng/kg	68.8	84.5	50.3	13.2	52.8	55.2	107
PCB-197/200	ng/kg	11.3	R	7.67 J	4.13 U	6.64 J	6.77 J	17.7
PCB-198/199	ng/kg	3.62 U	207	129	32.3	144	143	251
PCB-201	ng/kg	40	40.1	26.8	6.01	23.9	1.99 U	56.6
PCB-202	ng/kg	95.1	137	68	16.9	72.7	84.7	155
PCB-203	ng/kg	74.1	77.1	41.9	13.3	57.1	56.4	127
PCB-204	ng/kg	2.06 U	2.09 U	2.08 U	2.02 U	2.02 U	2.09 U	2.06 U
PCB-205	ng/kg	1.47 U	1.49 U	1.49 U	1.44 U	1.45 U	1.5 U	4.22 J
PCB-206	ng/kg	51.6	55.5	30	9.37	40.7	38.2	98.7
PCB-207	ng/kg	12.1	13.6	6.95	2.3 J	8.01	7.55	20.4

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
PCB-208	ng/kg	44.8	56.9	26.2	7.25	33.5	32.9	76.6
PCB-209	ng/kg	1.57 U	69.7	34	8.73	36.6	1.6 U	89.9
Total PCB Congeners (209)	ng/kg	22,100 J	24,700 J	14,200 J	5,900 J	18,100 J	20,200 J	51,300 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.1 U	72 U	7.1 U	7 U	7.1 U	7.2 U	7.2 U
Aroclor-1221	ug/kg	9 U	92 U	9 U	8.9 U	9.1 U	9.2 U	9.2 U
Aroclor-1232	ug/kg	16 U	160 U	16 U	15 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.5 U	66 U	6.5 U	6.4 U	6.5 U	6.6 U	6.6 U
Aroclor-1248	ug/kg	6.5 U	66 U	6.5 U	6.4 U	6.5 U	6.6 U	6.6 U
Aroclor-1254	ug/kg	6.5 U	66 U	6.5 U	6.4 U	6.5 U	6.6 U	6.6 U
Aroclor-1260	ug/kg	9.6 U	98 U	9.6 U	9.5 U	9.7 U	9.8 U	9.8 U
Aroclor-1262	ug/kg	6.5 U	66 U	6.5 U	6.4 U	6.5 U	6.6 U	6.6 U
Aroclor-1268	ug/kg	6.5 U	66 U	6.5 U	6.4 U	6.5 U	6.6 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	160 U	16 U	15 U	16 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	160 U	16 U	15 U	16 U	16 U	16 U
Pesticides								
2,4'-DDD	pg/g	34.4 JD	4.98 U	4.98 U	4.98 U	57.7	15.4 J	8.44 J
2,4'-DDE	pg/g	20.6 JD	26.6 J	29.3 JB	19.7 JB	27.1 J	26.4 J	17.8 JB
2,4'-DDT	pg/g	10.8 UD	10.8 U	10.8 U	10.8 U	10.8 U	9.28 J	10.8 U
4,4'-DDD	pg/g	2,300 DJ	2,920	3,300 B	1,490 BJ	1,800	2,270	2,160
4,4'-DDE	pg/g	8,250 BDJ	10,700 B	10,900 B	5,560 BJ	6,160 B	9,080 B	7,120 B
4,4'-DDT	pg/g	99.1 JD	9.4 U	77.5 BJ	55.4 BJ	148 BJ	52.1 BJ	37.2 J
Aldrin	pg/g	9.16 UD	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U
Alpha-BHC	pg/g	6.4 UD	7.85 J	7.41 J	6.08 J	8.18 J	7.35 J	6.4 U
Alpha-Chlordane	pg/g	217 DJ	288	253	144	233	514	322
Beta-BHC	pg/g	11.1 UD	11.1 U	11.1 U	15.8 J	11.1 U	11.1 U	11.1 U
cis-Nonachlor	pg/g	390 DJ	617	553	274	409	470	441
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
Dieldrin	pg/g	848 DJ	980	917	710 J	731	922	1,830
Endosulfan I	pg/g	57.4 UD	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 UD	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 UD	R	R	131 U	R	131 UJ	131 U
Endrin Ketone	pg/g	76 UD	R	76 U	76 U	76 U	76 U	76 U
Gamma-BHC (Lindane)	pg/g	7.69 UD	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 U	32.5 UD	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	165 D	129	151	95.7	128	143	239
Hexachlorobenzene	pg/g	104 JBD	185 B	189 B	91.5 B	111 B	189 B	177 B
Methoxychlor	pg/g	38.9 UDJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 U
Mirex	pg/g	35.7 JD	53.2 J	53 J	22.7 J	36.2 J	51.8	21.5 J
Nonachlor, trans-	pg/g	747 DJ	1,200	1,010	560 J	875	861	871
Oxychlordane	pg/g	878 D	996	1,300	577 J	792	1,280	958
trans-Chlordane	pg/g	13.7 UD	R	13.7 U	13.7 U	13.7 U	30.1 J	37.5
trans-Heptachlor Epoxide	pg/g	209 DJ	201	205	17 U	107	156	164
Total Alpha + Gamma Chlordane	ppb	0.22 DJ	0.29 T	0.25	0.14	0.23	0.54 J	0.36
Total DDT (2,4)	ppb	0.055 DJ	0.027 J	0.029 BJ	0.02 BJ	0.085 J	0.051 J	0.026 BJ
Total DDT (4,4)	ppb	11 BDJ	14 B	14 BJ	7.1 BJ	8.1 BJ	11 BJ	9.3 BJ
Total DDT (2,4 & 4,4)	ppb	11 BDJ	14 BJ	14 BJ	7.1 BJ	8.2 BJ	11 BJ	9.3 BJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBNOR
Date Homogenized:		08/19/15	09/08/15	08/26/15	08/26/15	09/01/15	08/30/15	08/25/15
Sample Name:	Units	NB03CRB-MUS-C003	NB03CRB-MUS-C004	NB03CRB-MUS-C005	NB03CRB-MUS-C006	NB03CRB-MUS-C007	NB03CRB-MUS-C008	NB03CRB-MUS-N001
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
1,2-Diphenylhydrazine	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
1-Methylnaphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	6.8
2,2'-oxybis(1-Chloropropane)	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
2,4,5-Trichlorophenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2,4,6-Trichlorophenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2,4-Dichlorophenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2,4-Dimethylphenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2,4-Dinitrophenol	ug/kg	1,200 U	6,000 U	1,200 U	1,200 U	5,900 U	6,000 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
2,6-Dinitrotoluene	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2-Chloronaphthalene	ug/kg	28 U	130 U	28 U	28 U	130 UJ	140 U	28 U
2-Chlorophenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2-Methylnaphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	14
2-Methylphenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2-Nitroaniline	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
2-Nitrophenol	ug/kg	66 U	330 U	66 U	66 UJ	330 U	330 U	66 U
3,3'-Dichlorobenzidine	ug/kg	390 U	2,000 U	390 U	390 U	2,000 U	2,000 U	390 U
3-Nitroaniline	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	3,300 U	660 U	660 U	3,300 U	3,300 U	660 U
4-Bromophenyl phenyl ether	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
4-Chloro-3-Methylphenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
4-Chloroaniline	ug/kg	130 U	670 U	130 U	130 U	660 U	660 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
4-Methylphenol	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
4-Nitroaniline	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
4-Nitrophenol	ug/kg	660 U	3,300 U	660 U	660 U	3,300 U	3,300 U	660 U
Acenaphthene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	3.7 J
Acenaphthylene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Acetophenone	ug/kg	66 U	330 U	66 U	66 UJ	330 U	330 U	66 U
Anthracene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Atrazine	ug/kg	130 U	670 U	130 U	130 U	660 U	660 U	130 U
Benzaldehyde	ug/kg	260 U	1,300 UJ	260 U	260 U	1,300 UJ	1,300 U	320 J
Benzidine	ug/kg	2,800 U	14,000 U	2,800 U	2,800 U	14,000 U	14,000 U	2,800 UJ
Benzo(a)anthracene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Benzo(a)pyrene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 UJ	2.6 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 UJ	2.6 U
Benzo(e)pyrene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 UJ	2.6 UJ	2.6 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 UJ	2.6 U
Benzoic Acid	ug/kg	660 U	3,300 U	660 U	660 U	3,300 U	3,300 U	660 U
Biphenyl	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
bis(2-Chloroethoxy)methane	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
bis(2-Chloroethyl)ether	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
Butyl benzyl phthalate	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
C1-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-MUS-C003	NB03CRBCEN 09/08/15 NB03CRB-MUS-C004	NB03CRBCEN 08/26/15 NB03CRB-MUS-C005	NB03CRBCEN 08/26/15 NB03CRB-MUS-C006	NB03CRBCEN 09/01/15 NB03CRB-MUS-C007	NB03CRBCEN 08/30/15 NB03CRB-MUS-C008	NB03CRBNOR 08/25/15 NB03CRB-MUS-N001
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	13
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	9
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	6.5 J
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	130 U	670 U	130 U	130 U	660 U	660 U	130 U
Carbazole	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
Chrysene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 UJ	2.6 U
Dibenzofuran	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
Diethyl phthalate	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
Dimethylphthalate	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
Di-n-Butylphthalate	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
Di-n-Octylphthalate	ug/kg	260 U	1,300 U	260 U	260 U	1,300 U	1,300 U	260 U
Fluoranthene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Fluorene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
Hexachlorocyclopentadiene	ug/kg	660 U	3,300 U	660 U	660 U	3,300 U	3,300 U	660 U
Hexachloroethane	ug/kg	130 U	670 U	130 U	130 U	660 U	660 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 UJ	2.7 U	2.6 U	2.7 U	2.6 UJ	2.6 UJ	2.6 U
Isophorone	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	11
Nitrobenzene	ug/kg	66 U	330 U	66 U	66 UJ	330 U	330 U	66 U
N-Nitroso-di-n-propylamine	ug/kg	66 U	330 U	66 U	66 UJ	330 U	330 U	66 U
N-Nitrosodiphenylamine	ug/kg	66 U	330 U	66 U	66 U	330 U	330 U	66 U
Pentachlorophenol	ug/kg	130 U	670 U	130 U	130 U	660 U	660 U	130 U
Perylene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Phenanthrene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Phenol	ug/kg	66 U	330 U	66 U	66 UJ	330 U	330 U	66 U
Pyrene	ug/kg	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U
Pyridine	ug/kg	260 U	1,300 U	260 U	1,100	1,300 U	1,300 U	260 U
Total HMW PAHs	ppb	2.6 UJ	2.7 U	2.6 U	2.7 U	2.6 UJ	2.6 UJ	2.6 U
Total LMW PAHs	ppb	2.6 U	2.7 U	2.6 U	2.7 U	2.6 U	2.6 U	29 J
TOTAL PAHs	ppb	2.6 UJ	2.7 U	2.6 U	2.7 U	2.6 UJ	2.6 UJ	29 J
Physical Properties[1]								
Percent Moisture	%	78	79	78.2	78.4	77.4	77.4	80.5
Water Content ASTM D2216	%	355	376	359	364	343	343	414

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	0.0696 JB	0.119 JBQ	0.162 JBQ	0.108 JB	0.181 JBQ	0.193 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	0.306 JBQ	0.511 JBQ	0.715 JB	0.388 JB	0.516 JB	0.765 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0265 JBQ	0.0428 JBQ	0.0536 JBQ	0.0608 JBQ	0.0241 JB	0.0112 U
1,2,3,4,7,8-HxCDD	ng/kg	0.014 U	0.0439 JQ	0.0444 JBQ	0.0322 JBQ	0.0464 JBQ	0.0209 JBQ
1,2,3,4,7,8-HxCDF	ng/kg	0.456 JB	0.714 JB	0.964 JB	0.374 JBQ	1.07 J	1.21 J
1,2,3,6,7,8-HxCDD	ng/kg	0.047 JBQ	0.0602 J	0.112 JB	0.0713 JBQ	0.12 J	0.0944 J
1,2,3,6,7,8-HxCDF	ng/kg	0.107 JB	0.192 JB	0.254 JB	0.0976 JB	0.267 JBQ	0.278 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.0156 U	0.0431 JQ	0.0528 JBQ	0.0199 JB	0.0353 JQ	0.0292 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.0809 JBQ	0.0826 JBQ	0.0783 JB	0.0785 JBQ	0.0861 JB	0.055 JB
1,2,3,7,8-PeCDD	ng/kg	0.0995 JQ	0.0862 JBQ	0.0281 U	0.0512 JBQ	0.469 JQ	0.339 JQ
1,2,3,7,8-PeCDF	ng/kg	0.242 JB	0.296 JB	0.373 JB	0.146 JB	0.367 JB	0.367 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.0291 JBQ	0.0554 JBQ	0.0666 JBQ	0.0402 JB	0.0619 J	0.0757 J
2,3,4,7,8-PeCDF	ng/kg	0.46 JB	0.611 J	0.821 JB	0.322 JB	0.863 JB	0.873 JB
2,3,7,8-TCDD	ng/kg	2.44	2.61	7.25	2.64	7.51	7.43
2,3,7,8-TCDF	ng/kg	0.751 J	0.964 JQ	1.38 CQ	0.609 JBQ	1.76 C	1.4 C
OCDD	ng/kg	0.286 JB	0.391 JB	0.459 JB	0.331 JBQ	0.418 JB	0.446 JBQ
OCDF	ng/kg	0.109 JBQ	0.069 JB	0.142 JBQ	0.124 JBQ	0.0728 JBQ	0.0796 JBQ
Percent Lipid	%	0.2	0.1 U	0.29	0.19	0.39	0.49
Metals							
Aluminum	mg/kg	5.38 U	5.38 UJ	5.49 B	5.44 U	5.6 U	5.6 U
Antimony	mg/kg	0.0635 U	0.0635 U	0.286	0.0641 U	0.066 U	0.066 U
Arsenic	mg/kg	2.1	1.37	1.64	1.69	2.33	2.59
Barium	mg/kg	0.684	0.277 B	0.375 B	0.873	5.15	1.7
Beryllium	mg/kg	0.0137 U	0.0137 U	0.0138 U	0.0138 U	0.0142 U	0.0142 U
Cadmium	mg/kg	0.0442 U	0.0442 U	0.0447 U	0.0447 U	0.046 U	0.046 U
Calcium	mg/kg	1,590	864	796	2,020	12,400	3,150
Chromium	mg/kg	0.0962 U	0.0962 U	0.285 B	0.0971 U	0.1 U	0.1 U
Cobalt	mg/kg	0.0204 B	0.0192 U	0.02 B	0.0194 U	0.0222 B	0.0306 B
Copper	mg/kg	16.9	11.1	16.4	14	19.2	22.8
Iron	mg/kg	8.22 B	7.44 B	39.6	7.41 B	21.9	11.1 B
Lead	mg/kg	0.0323 B	0.0308 B	0.0639 B	0.0641 B	0.109 B	0.126 B
Magnesium	mg/kg	608	398 J-	479	481	1,060	758
Manganese	mg/kg	5.27	2.09	8.96	4.82	35.1	3.87
Mercury	ng/g	284	219	183	132	254	195
Methyl Mercury	ng/g	304	222	R	151	215	211
Nickel	mg/kg	0.181 U	0.181 U	0.183 U	0.183 U	0.226 B	0.342 B
Potassium	mg/kg	5,640	3,800 J-	4,990	4,610	6,710	7,040
Selenium	mg/kg	0.835	0.519	0.64	0.641	0.999	0.99
Silver	mg/kg	0.362	0.312	0.365	0.314	0.406	0.489
Sodium	mg/kg	2,790	2,470 J-	2,590	2,320	3,220	3,550
Thallium	mg/kg	0.0288 U	0.0288 U	0.0291 U	0.0291 U	0.03 U	0.03 U
Titanium	mg/kg	0.163 U	0.163 U	0.165 U	0.165 U	0.185 B	0.17 U
Vanadium	mg/kg	0.0288 U	0.0288 U	0.158	0.0291 B	0.0334 B	0.0548 B
Zinc	mg/kg	59.5	37.9	49.7	50.9	63.2	65
Butyltins							
Dibutyltin	ug/kg	1.3 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Monobutyltin	ug/kg	21 UJCN	20 UCN	21 UCN	20 UCN	20 UCN	21 UCN

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
Tetrabutyltin	ug/kg	1.7 UJ	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Tributyltin	ug/kg	1.5 UJ	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
PCB Congeners							
PCB-1	ng/kg	0.974 U	1.43 J	0.968 U	72.3 BJ	1.19 J	0.988 U
PCB-2	ng/kg	1.23 J	0.669 U	0.678 U	6.08 J	0.697 U	0.692 U
PCB-3	ng/kg	3.18 J	1.05 U	2.15 J	28.2 B	1.1 U	1.09 U
PCB-4	ng/kg	1.27 U	6.2	1.26 U	79.7 BJ	1.29 U	1.28 U
PCB-5	ng/kg	0.779 U	0.764 U	0.774 U	2.41 U	0.797 U	0.791 U
PCB-6	ng/kg	0.682 U	3.41	0.678 U	13.3	1.59 J	2.05
PCB-7	ng/kg	14.1	0.764 U	2.83	2.41 U	0.797 U	0.791 U
PCB-8	ng/kg	23.2	1.43 U	1.45 U	104 B	1.49 U	1.48 U
PCB-9	ng/kg	1.75 J	0.669 U	1.1 J	4.24 J	0.697 U	0.692 U
PCB-10	ng/kg	1.27 U	1.24 U	1.26 U	3.92 U	1.29 U	1.28 U
PCB-11	ng/kg	3.31 U	3.25 U	27	83.3 B	3.39 U	30.6 B
PCB-12/13	ng/kg	8.4	8.58	7.67	5.72 U	5.66	7.94
PCB-14	ng/kg	0.779 U	0.764 U	0.774 U	2.41 U	0.797 U	0.791 U
PCB-15	ng/kg	182 B	174	162 B	327 BJ	144	251
PCB-16	ng/kg	0.876 U	0.86 U	0.871 U	13.6	2.69	2.75
PCB-17	ng/kg	0.876 U	15.2 B	18.6	23.4 B	9.09	10
PCB-18/30	ng/kg	1.56 U	20.5	24	35 B	1.59 U	1.58 U
PCB-19	ng/kg	0.779 U	2.05	1.88 J	8.81	1.46 J	1.6 J
PCB-20/28	ng/kg	4,490 BE	3,670 BE	3,230 BE	6,050 BEJ	3,140 BE	5,130 BE
PCB-21/33	ng/kg	19.4	14.3	23.2 B	37.5 B	11.7	21.2
PCB-22	ng/kg	38.8 B	34	32.4 B	49.8 B	28.3	38
PCB-23	ng/kg	0.682 U	0.669 U	0.678 U	2.11 U	0.697 U	0.692 U
PCB-24	ng/kg	0.974 U	0.955 U	0.968 U	3.01 U	0.996 U	0.988 U
PCB-25	ng/kg	21	19.6	14.4	28.1	12.5	20.1
PCB-26/29	ng/kg	19.5	19.2	18 B	36.5	10.4	20.4
PCB-27	ng/kg	4.68	4.36	5.46	2.41 U	2.49	3.14
PCB-31	ng/kg	94.2 B	88 B	74.5 B	125 BJ	62.9	102
PCB-32	ng/kg	32.8 B	24.8	28 B	33.6 B	16.8	23.4
PCB-34	ng/kg	4.49	5.95	3.45	3.16 J	2.69	4.33
PCB-35	ng/kg	0.876 U	2.17	1.99	4.13 J	1.86 J	2.68
PCB-36	ng/kg	0.779 U	1.17 J	0.774 U	2.41 U	0.797 U	1.32 J
PCB-37	ng/kg	269	298 E	314 BE	470 J	270	493 E
PCB-38	ng/kg	0.682 U	0.669 U	0.678 U	2.85 J	0.697 U	4.15
PCB-39	ng/kg	12.9	10.7	6.01	9.94	7.43	14.2
PCB-40/71	ng/kg	107	120	97.4	73.3	58.2	84.8
PCB-41	ng/kg	4.09 U	4.01 U	4.07 U	12.7 U	4.18 U	4.15 U
PCB-42	ng/kg	30	28.9	26.4	4.82 U	16	23.6
PCB-43	ng/kg	6.21	6.87	6.79	6.11 J	3.44 J	5.18
PCB-44/47/65	ng/kg	4,080 BE	3,010 E	2,930 BE	3,390 BJ	2,510 E	3,080 E
PCB-45	ng/kg	2.14 U	2.1 U	2.13 U	6.63 U	2.19 U	2.17 U
PCB-46	ng/kg	1.24 J	1.4 J	1.15 J	3.01 U	0.996 U	1.04 J
PCB-48	ng/kg	9.42	10.3	11.3	10.8 J	5.6	7.88
PCB-49/69	ng/kg	46.5	48.8	46.1 B	64.8	23.8	37.7
PCB-50/53	ng/kg	6.47 J	6.1 J	6.2 J	7.53 U	3.05 J	4.47 J
PCB-51	ng/kg	7.48	6.07	6.46	7.06 J	3.76 J	5.2
PCB-52	ng/kg	58.9 B	55.7 B	55.4	63.1 B	25.3	46.2

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
PCB-54	ng/kg	1.36 U	1.34 U	1.36 U	4.22 U	1.39 U	1.38 U
PCB-55	ng/kg	16.1	5.13	6.37	3.61 U	1.2 U	1.19 U
PCB-56	ng/kg	41.8	42.4	37.1	52.4	23.8	35.4
PCB-57	ng/kg	1.07 U	1.94 J	1.53 J	3.31 U	1.1 U	1.63 J
PCB-58	ng/kg	2.51 J	3.85 J	3.23 J	4.22 U	1.54 J	3.3 J
PCB-60	ng/kg	1,050 E	689 E	690 BE	1,080 J	601 E	950 E
PCB-61/70/74/76	ng/kg	4,360 E	2,940 E	2,520 BE	3,910 J	2,420 E	3,720 E
PCB-62/75	ng/kg	329	251	217	258	184	234
PCB-63	ng/kg	76.4	57.9	42.3	61.2	34.1	69.7
PCB-64	ng/kg	58.7	62	48.2 B	66.5	28.7	48.3
PCB-66	ng/kg	6,550 BE	4,820 E	3,940 BE	5,950 BEJ	3,860 BE	5,880 BE
PCB-67	ng/kg	11.1	9.65	8.35	13.8 J	8	12.7
PCB-68	ng/kg	46.8	34.2	24.1	38.6	21.6	40.5
PCB-72	ng/kg	15.2	14.3	9.12	11.2 J	7.15	14.9
PCB-73	ng/kg	3.42 J	3.34 J	4.55 J	4.22 U	2.23 J	3.23 J
PCB-77	ng/kg	R	273	224	R	194	360
PCB-78	ng/kg	1.56 U	1.53 U	1.55 U	4.82 U	1.59 U	1.58 U
PCB-79	ng/kg	16.3	12.6	9.13	14.6 J	9.61	16.3
PCB-80	ng/kg	1.51 J	1.05 U	1.07 J	3.31 U	1.1 U	1.09 U
PCB-81	ng/kg	14.5	10.5	9.79	15.3	9.16	14
PCB-82	ng/kg	2.36 J	3.42 J	2.18 J	4.52 U	2.3 J	2.6 J
PCB-83	ng/kg	2.82 U	4.86 J	2.81 U	8.73 U	2.89 U	2.87 J
PCB-84	ng/kg	8.43	10.6	10.2	8.65	6.62	8.12
PCB-85/116/117	ng/kg	1,040	902	810	906 J	702	962
PCB-86/87/97/109/119/125	ng/kg	397	349	323	385	279	363
PCB-88	ng/kg	2.14 U	2.1 U	2.13 U	6.63 U	2.19 U	2.17 U
PCB-89	ng/kg	1.27 U	1.24 U	1.26 U	3.92 U	1.29 U	1.28 U
PCB-90/101/113	ng/kg	160 B	185	173 B	204	98.1	197
PCB-91	ng/kg	22.7	31.1	24.5	23.9	13.1	26.1
PCB-92	ng/kg	16.7	23.4	26.5	20.7	10.1	20.1
PCB-93/100	ng/kg	195	142	187	209 J	172	183
PCB-94	ng/kg	7.6	9.55	7.19	3.92 U	5.55	6.98
PCB-95	ng/kg	48.3	48.4	46	23.2 U	28.1	47.3
PCB-96	ng/kg	1.46 U	1.43 U	1.45 U	4.52 U	1.49 U	1.48 U
PCB-98/102	ng/kg	7.5 U	7.75 J	7.45 U	23.2 U	7.67 U	7.61 U
PCB-99	ng/kg	4,280 BE	3,460 E	3,490 BE	3,990 BEJ	2,870 E	3,940 E
PCB-103	ng/kg	1.1 J	1.37 J	1.52 J	3.31 U	1.1 U	1.31 J
PCB-104	ng/kg	1.36 U	1.34 U	1.36 U	4.22 U	1.39 U	1.38 U
PCB-105	ng/kg	1,260 BE	1,400 E	1,210 BE	1,850 EJ	1,040 E	1,670 E
PCB-106	ng/kg	1.66 U	1.62 U	1.65 U	5.12 U	1.69 U	1.68 U
PCB-107	ng/kg	281	271	205	343 J	178	315
PCB-108/124	ng/kg	6.44 J	8.9 J	6.28 J	9.52 J	4.32 J	8.78 J
PCB-110/115	ng/kg	228	231	228 B	277 J	162	243
PCB-111	ng/kg	6.21	5.99	7.03	6.45 J	5.04	6.43
PCB-112	ng/kg	1.36 U	1.34 U	1.36 U	4.22 U	1.39 U	1.38 U
PCB-114	ng/kg	113	115	97.5	150	97.6	136
PCB-118	ng/kg	4,840 BE	5,270 E	4,300 BE	6,720 BEJ	4,190 E	6,040 E
PCB-120	ng/kg	32.9	33.7	34.8	39.7	29.9	38.1
PCB-121	ng/kg	4.42 J	3.53 J	4.24 J	3.61 U	3.56 J	4.21 J

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
PCB-122	ng/kg	1.17 U	2.46 J	1.16 U	3.61 U	1.2 U	1.19 U
PCB-123	ng/kg	108	107	78.4	134	88.4	126
PCB-126	ng/kg	10.6	11.1	1.55 U	15 J	8.71	13.5
PCB-127	ng/kg	4.63 J	4.24 J	4.3 J	4.35 J	4.43 J	7.01
PCB-128/166	ng/kg	456	463	380	435 J	368	499
PCB-129/138/163	ng/kg	3,510 BE	3,320 E	2,940 BE	3,250 BJ	2,670 E	4,090 E
PCB-130	ng/kg	R	63.6	43.2	46.5	31.8	63.5
PCB-131	ng/kg	R	3.08 J	2.42 J	R	1.83 J	2.96 J
PCB-132	ng/kg	R	6.3	6.79	4.82 U	3.89 J	6.02
PCB-133	ng/kg	104	85.5	78.5	97.6	70.7	94.4
PCB-134	ng/kg	R	3.15 U	3.19 U	9.94 U	3.29 U	3.26 U
PCB-135/151	ng/kg	15.2	27	29.8	23.3 J	16	29.2
PCB-136	ng/kg	1.56 U	2.57 J	1.55 U	4.82 U	2.26 J	3.28 J
PCB-137	ng/kg	R	183	176	183 J	164	207
PCB-139/140	ng/kg	76.2	80.2	71.4	79.3	67.4	91.5
PCB-141	ng/kg	15.4	9.98	14.7	19.2	8.05	14.7
PCB-142	ng/kg	R	1.62 U	1.65 U	5.12 U	1.69 U	1.68 U
PCB-143	ng/kg	R	3.15 U	3.19 U	9.94 U	3.29 U	3.26 U
PCB-144	ng/kg	R	1.43 U	1.45 U	5.27 J	4.64 J	7.92
PCB-145	ng/kg	1.56 U	1.53 U	1.55 U	4.82 U	1.59 U	1.58 U
PCB-146	ng/kg	R	648 E	601 E	R	522	772 E
PCB-147/149	ng/kg	119 B	191	150 B	160 J	92.3	230
PCB-148	ng/kg	14.6	15.7	19.5	17	19.9	22.8
PCB-150	ng/kg	1.46 U	1.43 U	1.45 U	4.52 U	1.49 U	1.48 U
PCB-152	ng/kg	1.36 U	1.34 U	1.36 U	4.22 U	1.39 U	1.38 U
PCB-153/168	ng/kg	5,000 BE	4,390 E	4,330 BE	4,910 BEJ	3,830 E	5,360 E
PCB-154	ng/kg	R	118	133	132 J	137	170
PCB-155	ng/kg	56.8	48.2	55	111 J	49.7	58
PCB-156/157	ng/kg	389	392	348	533 J	322	436
PCB-158	ng/kg	379	365	344	377 J	318	398
PCB-159	ng/kg	1.36 U	1.85 J	1.36 U	4.22 U	1.39 U	2.09 J
PCB-160	ng/kg	6.13 U	6.02 U	6.1 U	19 U	6.27 U	6.23 U
PCB-161	ng/kg	R	1.24 U	1.26 U	3.92 U	1.29 U	1.28 U
PCB-162	ng/kg	22.8	17.3	16.5	3.92 U	1.29 U	1.28 U
PCB-164	ng/kg	1.46 U	11.2	8.4	4.52 U	5.47	9.78
PCB-165	ng/kg	R	3.58 J	4.47 J	R	3.41 J	4.39 J
PCB-167	ng/kg	140	149	131	204 J	123	177
PCB-169	ng/kg	1.46 U	1.43 U	1.45 U	4.52 U	1.49 U	1.48 U
PCB-170	ng/kg	411	366	321	461 J	251	430
PCB-171/173	ng/kg	R	164	R	R	145	222
PCB-172	ng/kg	96.4	94.6	97.1	104	71.5	113
PCB-174	ng/kg	R	9.21	R	R	6.66	13
PCB-175	ng/kg	R	30.2	34.4	35.2 J	24	35.7
PCB-176	ng/kg	1.17 U	1.15 U	3.44 J	3.61 U	1.46 J	3.33 J
PCB-177	ng/kg	R	124	R	R	66	145
PCB-178	ng/kg	R	222	253	242 J	199	260
PCB-179	ng/kg	1.36 U	2.79 J	3.48 J	5.48 J	1.72 J	3.85 J
PCB-180/193	ng/kg	1,570 BE	1,410 E	1,410 BE	1,880 J	1,220 E	1,900 E
PCB-181	ng/kg	R	8.04	R	R	6.27	10.2

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
PCB-182	ng/kg	R	7.27	R	R	7.09	10.1
PCB-183/185	ng/kg	R	493	R	R	446	704
PCB-184	ng/kg	5.79	6.29	5.78	4.22 U	5.35	8.09
PCB-186	ng/kg	R	1.43 U	1.45 U	4.52 U	1.49 U	1.48 U
PCB-187	ng/kg	R	1,110 E	1,170 BE	R	810 E	1,570 E
PCB-188	ng/kg	1.46 U	10.1	11.7	4.52 U	9.05	13.6
PCB-189	ng/kg	19.7	21.4	20.7	29.4	16.4	26.2
PCB-190	ng/kg	120	83.4	103	149	52.9	129
PCB-191	ng/kg	24.1	20.9	20.5	28	18.3	27.7
PCB-192	ng/kg	1.27 U	1.24 U	1.26 U	3.92 U	1.29 U	1.28 U
PCB-194	ng/kg	154	128	139	162	111	181
PCB-195	ng/kg	54.5	57.3	44.5	72.2	37	58.4
PCB-196	ng/kg	136	126	149	183	116	201
PCB-197/200	ng/kg	R	17.4	16.4	19.7 J	15.4	26.9
PCB-198/199	ng/kg	395	329	384	409	271	496
PCB-201	ng/kg	1.95 U	56	58	70.6	50.7	98.7
PCB-202	ng/kg	182	157	152	221	120	176
PCB-203	ng/kg	157	125	161	194	110	248
PCB-204	ng/kg	2.04 U	2.01 U	2.03 U	6.33 U	2.09 U	2.08 U
PCB-205	ng/kg	1.46 U	1.43 U	1.45 U	5.09 J	1.98 J	4.14 J
PCB-206	ng/kg	87.8	91.2	100	137	58.1	121
PCB-207	ng/kg	21.1	20.5	20.6	25.4	14.3	25.3

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
PCB-208	ng/kg	76.9	72	87.7	114	53.8	87.5
PCB-209	ng/kg	R	1.53 U	99.3	144 J	53.7	93.3
Total PCB Congeners (209)	ng/kg	49,100 J	45,500 J	41,000 J	53,300 J	37,000 J	55,400 J
Aroclor PCBs							
Aroclor-1016	ug/kg	7 U	7.2 U	7.1 U	7 U	7.2 U	7.2 U
Aroclor-1221	ug/kg	9 U	9.2 U	9.1 U	8.9 U	9.2 U	9.2 U
Aroclor-1232	ug/kg	16 U	16 U	16 U	15 U	16 U	16 U
Aroclor-1242	ug/kg	6.4 U	6.6 U	6.5 U	6.4 U	6.6 U	6.6 U
Aroclor-1248	ug/kg	6.4 U	6.6 U	6.5 U	6.4 U	6.6 U	6.6 U
Aroclor-1254	ug/kg	6.4 U	6.6 U	6.5 U	6.4 U	6.6 U	6.6 U
Aroclor-1260	ug/kg	9.5 U	9.8 U	9.7 U	9.5 U	9.8 U	9.8 U
Aroclor-1262	ug/kg	6.4 U	6.6 U	10 J	6.4 U	6.6 U	6.6 U
Aroclor-1268	ug/kg	6.4 U	6.6 U	6.5 U	6.4 U	6.6 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	16 U	16 U	15 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	16 U	10 J	15 U	16 U	16 U
Pesticides							
2,4'-DDD	pg/g	9.07 J	4.98 U	10.5 J	4.98 U	4.98 U	4.98 U
2,4'-DDE	pg/g	28.2 J	22.8 JB	29 J	15 JB	25.5 JB	30.4 JB
2,4'-DDT	pg/g	16.4 J	10.8 U	18.1 J	10.8 U	10.8 U	10.8 U
4,4'-DDD	pg/g	5,350	2,170	4,380 J	2,380 B	1,040	4,390
4,4'-DDE	pg/g	20,900 BJ	6,740 B	16,600 B	7,840 B	4,580 B	14,200 B
4,4'-DDT	pg/g	56.4 BJ	46.6 J	99 BJ	66.3 BJ	89 J	146 J
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U
Alpha-BHC	pg/g	6.96 J	6.4 U	7.18 J	7.25 J	8.13 J	9.34 J
Alpha-Chlordane	pg/g	1,080 J	215	442	208	153	447
Beta-BHC	pg/g	21.9 J	11.1 U	24 J	11.1 U	11.1 U	22.9 J
cis-Nonachlor	pg/g	949	440	1,120	360	314	1,130
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
Dieldrin	pg/g	2,370	1,180	2,500	987	718	2,110
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	R	63.3 U	63.3 U	R
Endrin	pg/g	13.9 UJ	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 UJ	131 U	R	R	R	R
Endrin Ketone	pg/g	76 U	76 U	R	R	R	R
Gamma-BHC (Lindane)	pg/g	3.31 J	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U
Heptachlor	pg/g	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	387	223	640	145	131	615
Hexachlorobenzene	pg/g	295 B	143 B	365 B	191 B	116 B	315 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	R	R	R	R
Mirex	pg/g	54.1	16.2 J	59.7 J	R	R	R
Nonachlor, trans-	pg/g	1,950	785	2,140	694	577	2,080
Oxychlordane	pg/g	2,650	1,100	3,620	1,080	810	3,070
trans-Chlordane	pg/g	37.1	13.7 U	46.4	13.7 U	13.7 U	13.7 U
trans-Heptachlor Epoxide	pg/g	287 J	170	339	17 U	153	358
Total Alpha + Gamma Chlordane	ppb	1.1 J	0.22	0.49	0.21	0.15	0.45
Total DDT (2,4)	ppb	0.054 J	0.023 BJ	0.058 J	0.015 BJ	0.026 BJ	0.03 BJ
Total DDT (4,4)	ppb	26 BJ	9 BJ	21 BJ	10 BJ	5.7 BJ	19 BJ
Total DDT (2,4 & 4,4)	ppb	26 BJ	9 BJ	21 BJ	10 BJ	5.7 BJ	19 BJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	65 U	R	67 U	67 U	67 U
1,2-Diphenylhydrazine	ug/kg	330 U	65 U	R	67 U	67 U	67 U
1-Methylnaphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
2,4,5-Trichlorophenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2,4,6-Trichlorophenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2,4-Dichlorophenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2,4-Dimethylphenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2,4-Dinitrophenol	ug/kg	5,900 U	1,200 U	R	1,200 U	1,200 U	1,200 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
2,6-Dinitrotoluene	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2-Chloronaphthalene	ug/kg	140 U	27 U	R	28 U	28 U	28 U
2-Chlorophenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2-Methylnaphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
2-Methylphenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2-Nitroaniline	ug/kg	330 U	65 U	R	67 U	67 U	67 U
2-Nitrophenol	ug/kg	330 U	65 U	R	67 UJ	67 U	67 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	390 U	R	400 U	400 U	400 U
3-Nitroaniline	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	650 U	R	670 U	670 U	670 U
4-Bromophenyl phenyl ether	ug/kg	330 U	65 U	R	67 U	67 U	67 U
4-Chloro-3-Methylphenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
4-Chloroaniline	ug/kg	660 U	130 U	R	130 U	130 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	65 U	R	67 U	67 U	67 U
4-Methylphenol	ug/kg	330 U	65 U	R	67 U	67 U	67 U
4-Nitroaniline	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
4-Nitrophenol	ug/kg	3,300 U	650 U	R	670 U	670 U	670 U
Acenaphthene	ug/kg	2.6 U	2.6 U	3.1 J	2.7 U	2.6 U	4 J
Acenaphthylene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Acetophenone	ug/kg	330 U	65 U	R	67 UJ	67 U	67 U
Anthracene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Atrazine	ug/kg	660 U	130 U	R	130 U	130 U	130 U
Benzaldehyde	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
Benzidine	ug/kg	14,000 U	2,700 UJ	R	2,800 U	2,800 U	2,800 U
Benzo(a)anthracene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Benzo(a)pyrene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Benzo(b)fluoranthene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Benzo(e)pyrene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	2.6 U	2.6 UJ	2.7 U	2.6 U	2.6 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Benzoic Acid	ug/kg	3,300 U	650 U	R	670 U	670 UJ	670 UJ
Biphenyl	ug/kg	330 U	65 U	R	67 U	67 U	67 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	65 U	R	67 U	67 U	67 U
bis(2-Chloroethyl)ether	ug/kg	330 U	65 U	R	67 U	67 U	67 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
C1-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-MUS-N002	NB03CRBNOR 08/25/15 NB03CRB-MUS-N003	NB03CRBNOR 09/01/15 NB03CRB-MUS-N004	NB03CRBNOR 08/26/15 NB03CRB-MUS-N005	NB03CRBNOR 08/24/15 NB03CRB-MUS-N006	NB03CRBNOR 08/24/15 NB03CRB-MUS-N007
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Caprolactam	ug/kg	660 U	130 U	R	130 U	130 U	130 U
Carbazole	ug/kg	330 U	65 U	R	67 U	67 U	67 U
Chrysene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Dibenzofuran	ug/kg	330 U	65 U	R	67 U	67 U	67 U
Diethyl phthalate	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
Dimethylphthalate	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	R	270 U	270 U	270 U
Fluoranthene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Fluorene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	330 U	65 U	R	67 U	67 U	67 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	650 U	R	670 U	670 U	670 U
Hexachloroethane	ug/kg	660 U	130 U	R	130 U	130 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 U	2.6 U	2.6 UJ	2.7 U	2.6 U	2.6 U
Isophorone	ug/kg	330 U	65 U	R	67 U	67 U	67 U
Naphthalene	ug/kg	2.6 U	2.8 J	2.6 U	2.7 U	2.6 U	2.6 U
Nitrobenzene	ug/kg	330 U	65 U	R	67 UJ	67 U	67 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	65 U	R	67 UJ	67 U	67 U
N-Nitrosodiphenylamine	ug/kg	330 U	65 U	R	67 U	67 U	67 U
Pentachlorophenol	ug/kg	660 U	130 U	R	130 U	130 U	130 U
Perylene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Phenanthrene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Phenol	ug/kg	330 U	65 U	R	67 UJ	67 U	67 U
Pyrene	ug/kg	2.6 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Pyridine	ug/kg	1,300 U	260 U	R	390 J	270 U	270 U
Total HMW PAHs	ppb	2.6 U	2.6 U	2.6 UJ	2.7 U	2.6 U	2.6 U
Total LMW PAHs	ppb	2.6 U	2.8 J	3.1 J	2.7 U	2.6 U	4 J
TOTAL PAHs	ppb	2.6 U	2.8 J	3.1 J	2.7 U	2.6 U	4 J
Physical Properties[1]							
Percent Moisture	%	80.3	82.5	80.7	78.5	80.3	79.1
Water Content ASTM D2216	%	408	472	417	366	407	379

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU
Date Homogenized:		09/08/15	08/26/15	09/01/15	09/01/15	08/30/15	09/01/15
Sample Name:	Units	NB03CRB-MUS-N008	NB03CRB-MUS-S001	NB03CRB-MUS-S002	NB03CRB-MUS-S003	NB03CRB-MUS-S004	NB03CRB-MUS-S005
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	0.15 JBQ	0.166 JBQ	0.0862 JB	0.12 JBQ	0.0806 JBQ	0.0602 JBQ
1,2,3,4,6,7,8-HpCDF	ng/kg	0.424 JB	0.169 JB	0.125 JBQ	0.154 JB	0.14 JB	0.136 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0571 JBQ	0.0218 U	0.0283 JBQ	0.0494 JBQ	0.0334 JB	0.00617 U
1,2,3,4,7,8-HxCDD	ng/kg	0.0249 U	0.0208 JBQ	0.0148 JBQ	0.0178 JBQ	0.0269 JBQ	0.00359 U
1,2,3,4,7,8-HxCDF	ng/kg	0.508 JB	0.257 JBQ	0.112 JBQ	0.229 JB	0.166 JBQ	0.229 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.0896 J	0.0851 JBQ	0.0373 JBQ	0.0351 JB	0.0481 JBQ	0.0281 JB
1,2,3,6,7,8-HxCDF	ng/kg	0.118 JB	0.0659 JBQ	0.0558 JBQ	0.0775 JBQ	0.0507 JBQ	0.0362 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.065 JQ	0.0311 JBQ	0.0232 JB	0.0361 JBQ	0.0282 JBQ	0.00322 U
1,2,3,7,8,9-HxCDF	ng/kg	0.0638 JBQ	0.0742 JBQ	0.0899 JB	0.0689 JB	0.0651 JB	0.0539 JBQ
1,2,3,7,8-PeCDD	ng/kg	0.12 JBQ	0.0828 JBQ	0.0752 JBQ	0.0667 JB	0.053 JQ	0.0741 JBQ
1,2,3,7,8-PeCDF	ng/kg	0.343 JB	0.188 JBQ	0.166 JBQ	0.211 JB	0.134 JBQ	0.112 JBQ
2,3,4,6,7,8-HxCDF	ng/kg	0.0354 JBQ	0.0483 JBQ	0.0327 JBQ	0.0282 JBQ	0.0195 JB	0.00505 JBQ
2,3,4,7,8-PeCDF	ng/kg	0.512 J	0.238 JBQ	0.171 JBQ	0.307 JBQ	0.194 JB	0.227 JB
2,3,7,8-TCDD	ng/kg	3.63 B	2.04	1.53	2.1	1.53	1.58
2,3,7,8-TCDF	ng/kg	1.11 C	1.1 BC	0.622 J	0.991 C	0.676 J	0.617 J
OCDD	ng/kg	0.869 JBQ	0.321 JB	0.206 JB	0.291 JBQ	0.388 JB	0.203 JBQ
OCDF	ng/kg	0.14 JB	0.0506 JBQ	0.0866 JBQ	0.0738 JBQ	0.0637 JBQ	0.0234 JB
Percent Lipid	%	0.3	0.2	0.1 U	0.2	0.19	0.1
Metals							
Aluminum	mg/kg	5.33 U	5.54 U	5.38 U	5.44 U	5.44 U	5.49 U
Antimony	mg/kg	0.0629 U	0.0653 U	0.0635 U	0.0641 U	0.0641 U	0.0647 U
Arsenic	mg/kg	1.85	2.99 J	3.67	3.16	3.56	2.41
Barium	mg/kg	0.37 B	0.594 J	0.652	0.375 B	1.16	0.372 B
Beryllium	mg/kg	0.0135 U	0.0141 U	0.0137 U	0.0138 U	0.0138 U	0.0139 U
Cadmium	mg/kg	0.0438 U	0.0455 U	0.0442 U	0.0447 U	0.0447 U	0.0451 U
Calcium	mg/kg	813	1,090 J	1,770	1,470	2,880	1,280
Chromium	mg/kg	0.0952 U	0.099 U	0.347 B	0.0971 U	0.0971 U	0.098 U
Cobalt	mg/kg	0.019 U	0.0198 U	0.0192 U	0.0194 U	0.0194 U	0.0196 U
Copper	mg/kg	10.7	11.9 J	15.7	15	17.6	15.7
Iron	mg/kg	6.26 B	8.2 JB	10.7 B	8.26 B	14.6 B	7.72 B
Lead	mg/kg	0.0248 U	0.0315 JB	0.0348 B	0.0348 B	0.0507 B	0.0296 B
Magnesium	mg/kg	359	396 J	502	509	600	512
Manganese	mg/kg	1.62	2.6 J	3.16	3.3	6.7	2.43
Mercury	ng/g	151	150	159	135	168	129
Methyl Mercury	ng/g	287	136 J	188	272	171	224
Nickel	mg/kg	0.179 U	0.186 U	0.181 U	0.183 U	0.183 U	0.184 U
Potassium	mg/kg	3,720	4,450 J	5,070	5,470	5,620	5,200
Selenium	mg/kg	0.715	0.856 J	0.969	1	1.06	0.909
Silver	mg/kg	0.222	0.28 J	0.344	0.336	0.396	0.367
Sodium	mg/kg	2,060	1,880 J	2,310	2,340	2,600	2,530
Thallium	mg/kg	0.0286 U	0.0297 U	0.0288 U	0.0291 U	0.0291 U	0.0294 U
Titanium	mg/kg	0.162 U	0.168 U	0.163 U	0.165 U	0.184 B	0.167 U
Vanadium	mg/kg	0.0528 B	0.0297 U	0.0288 U	0.0291 U	0.0359 B	0.0294 U
Zinc	mg/kg	37.3	39.2 J	50.9	53.6	55.6	48.7
Butyltins							
Dibutyltin	ug/kg	1.2 UJ	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U
Monobutyltin	ug/kg	20 UJCN	20 UCN	20 UCN	21 UCN	20 UJCN	20 UCN

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/08/15 NB03CRB-MUS-N008	NB03CRBSOU 08/26/15 NB03CRB-MUS-S001	NB03CRBSOU 09/01/15 NB03CRB-MUS-S002	NB03CRBSOU 09/01/15 NB03CRB-MUS-S003	NB03CRBSOU 08/30/15 NB03CRB-MUS-S004	NB03CRBSOU 09/01/15 NB03CRB-MUS-S005
Tetrabutyltin	ug/kg	1.6 UJ	1.7 U	1.7 U	1.7 U	1.7 UJ	1.7 U
Tributyltin	ug/kg	1.4 UJ	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
PCB Congeners							
PCB-1	ng/kg	0.956 U	1.29 J	0.967 U	0.98 U	0.996 U	1 U
PCB-2	ng/kg	0.669 U	0.681 U	0.677 U	0.764 J	0.697 U	0.7 U
PCB-3	ng/kg	1.05 U	R	1.06 U	2.61 J	2.35 J	2.33 J
PCB-4	ng/kg	6.55	1.26 U	1.26 U	1.27 U	1.29 U	1.3 U
PCB-5	ng/kg	0.765 U	0.778 U	0.774 U	0.784 U	0.797 U	0.8 U
PCB-6	ng/kg	0.669 U	0.681 U	0.677 U	0.686 U	0.697 U	0.7 U
PCB-7	ng/kg	0.765 U	0.778 U	3.58	2.17	0.859 J	2.52
PCB-8	ng/kg	1.43 U	1.46 U	1.45 U	1.47 U	15.9	1.5 U
PCB-9	ng/kg	0.669 U	0.681 U	0.677 U	0.686 U	0.697 U	0.791 J
PCB-10	ng/kg	1.24 U	1.26 U	1.26 U	1.27 U	1.29 U	1.3 U
PCB-11	ng/kg	3.25 U	3.31 U	20	22.3	3.39 U	20.5
PCB-12/13	ng/kg	1.82 U	4.54 J	4.42 J	3.36 J	3.64 J	3.44 J
PCB-14	ng/kg	0.765 U	0.778 U	0.774 U	0.784 U	0.797 U	0.8 U
PCB-15	ng/kg	149 B	130	90.2 B	114 B	123 B	155 B
PCB-16	ng/kg	2.83	0.875 U	0.87 U	0.882 U	0.896 U	0.9 U
PCB-17	ng/kg	0.86 U	8.49 B	7.36	7.12	0.896 U	6.45
PCB-18/30	ng/kg	10.1 B	12.3 B	8.89	7.92	1.59 U	8.14
PCB-19	ng/kg	1.43 J	0.778 U	1.18 J	1.15 J	1.64 J	1.42 J
PCB-20/28	ng/kg	2,440 BE	1,640 BE	1,250 BE	1,730 BE	1,950 BE	1,840 BE
PCB-21/33	ng/kg	9.43	10.8	2.03 U	2.06 U	9.15	2.1 U
PCB-22	ng/kg	17.4	20.8	15.9 B	14.1 B	14.1 B	10.9 B
PCB-23	ng/kg	0.669 U	0.681 U	0.677 U	0.686 U	0.697 U	0.7 U
PCB-24	ng/kg	0.956 U	0.973 U	0.967 U	0.98 U	0.996 U	1 U
PCB-25	ng/kg	0.765 U	8.34	4.94	6.96	6.01	4.66
PCB-26/29	ng/kg	1.15 U	11.8	1.16 U	1.18 U	9.16	1.2 U
PCB-27	ng/kg	2.37	2.92	1.49 J	1.86 J	1.95 J	1.62 J
PCB-31	ng/kg	33.6	47.2 B	31.4 B	31.6 B	1.79 U	25.9 B
PCB-32	ng/kg	10.6	16 B	10.5 B	9.93 B	9.6 B	8.93 B
PCB-34	ng/kg	1.54 J	1.27 J	1 J	1.39 J	0.948 J	1.29 J
PCB-35	ng/kg	0.86 U	1.58 J	0.87 U	0.882 U	0.924 J	0.967 J
PCB-36	ng/kg	0.765 U	0.792 J	0.774 U	0.784 U	0.797 U	0.8 U
PCB-37	ng/kg	245	204	101 B	166 B	165	210 B
PCB-38	ng/kg	0.669 U	0.681 U	0.677 U	0.826 J	0.697 U	0.76 J
PCB-39	ng/kg	3.95	2.63	0.774 U	3.25	3.15	2.41
PCB-40/71	ng/kg	36.4	59.5	23.4	35.4	25.4	29.6
PCB-41	ng/kg	4.02 U	4.09 U	4.06 U	4.12 U	4.18 U	4.2 U
PCB-42	ng/kg	12.7	16.5	5.75	8.61	7.89	7.98
PCB-43	ng/kg	1.99 J	3.9 J	1.35 U	1.64 J	1.39 U	1.4 U
PCB-44/47/65	ng/kg	2,710 BE	1,140	942 B	1,430 B	1,240 B	1,100 B
PCB-45	ng/kg	2.1 U	2.14 U	2.13 U	2.16 U	2.19 U	2.2 U
PCB-46	ng/kg	0.981 J	0.983 J	0.967 U	0.98 U	0.996 U	1 U
PCB-48	ng/kg	4.68 J	1.36 U	2.52 J	2.81 J	3.14 J	2.89 J
PCB-49/69	ng/kg	25.2 B	27.3	2.51 U	15.7 B	18	2.6 U
PCB-50/53	ng/kg	3.46 J	4.21 J	2.42 U	2.45 U	2.95 J	2.5 U
PCB-51	ng/kg	2.81 J	3.18 J	2.13 U	2.16 U	2.19 U	2.2 U
PCB-52	ng/kg	32.1	37.5	14.1	15.6	23.7 B	15.8

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/08/15 NB03CRB-MUS-N008	NB03CRBSOU 08/26/15 NB03CRB-MUS-S001	NB03CRBSOU 09/01/15 NB03CRB-MUS-S002	NB03CRBSOU 09/01/15 NB03CRB-MUS-S003	NB03CRBSOU 08/30/15 NB03CRB-MUS-S004	NB03CRBSOU 09/01/15 NB03CRB-MUS-S005
PCB-54	ng/kg	1.34 U	1.36 U	1.35 U	1.37 U	1.39 U	1.4 U
PCB-55	ng/kg	1.15 U	3.22 J	2.37 J	4.14 J	1.2 U	2.25 J
PCB-56	ng/kg	13.3	26.1	7.51	9.73	11.2	10.4
PCB-57	ng/kg	1.05 U	1.21 J	1.06 U	1.08 U	1.1 U	1.1 U
PCB-58	ng/kg	2.18 J	1.36 U	1.35 U	2.34 J	1.39 U	2.33 J
PCB-60	ng/kg	458	366	242 B	323 B	363	337 B
PCB-61/70/74/76	ng/kg	1,590	1,280	749 B	1,050 B	1,140	961 B
PCB-62/75	ng/kg	154	86.1	66.3	97.6	93.2	82.8
PCB-63	ng/kg	17.9	18.9	11	15	19.6	14.1
PCB-64	ng/kg	20.1	29.6	12.8 B	14.6 B	19.2	14.9 B
PCB-66	ng/kg	2,590 BE	1,940 BE	1,050 BE	1,610 BE	1,770 BE	1,660 BE
PCB-67	ng/kg	6.17	5.18	2.24 J	1.4 J	3.58 J	3.04 J
PCB-68	ng/kg	16.2	11	6.6	13.3	14.7	9.89
PCB-72	ng/kg	4.95	5.61	2.44 J	4.65 J	1.29 U	4.03 J
PCB-73	ng/kg	2.73 J	1.85 J	1.35 U	2.98 J	1.39 U	2.58 J
PCB-77	ng/kg	R	R	61	108	111	122
PCB-78	ng/kg	1.53 U	1.56 U	1.55 U	1.57 U	1.59 U	1.6 U
PCB-79	ng/kg	7.16	5.15	3.08 J	4.67 J	4.17 J	3.93 J
PCB-80	ng/kg	1.05 U	1.07 U	1.06 U	1.08 U	1.1 U	1.1 U
PCB-81	ng/kg	6.8	6.24	3.27 J	4.97	4.76 J	4.42 J
PCB-82	ng/kg	1.43 U	2.46 J	2.06 J	1.47 U	1.74 J	1.5 U
PCB-83	ng/kg	2.77 U	2.82 U	2.8 U	2.84 U	2.89 U	2.9 U
PCB-84	ng/kg	1.05 U	6.78	2.58	3.01	2.45	1.1 U
PCB-85/116/117	ng/kg	458	320	253	364	270	288
PCB-86/87/97/109/119/125	ng/kg	219	141	101	173	125	122
PCB-88	ng/kg	2.1 U	11.2	2.13 U	2.16 U	2.19 U	2.2 U
PCB-89	ng/kg	1.24 U	1.26 U	1.26 U	1.27 U	1.29 U	1.3 U
PCB-90/101/113	ng/kg	80.4 B	73	41.4 B	70.8 B	67.4 B	65.6 B
PCB-91	ng/kg	9.83	11.9	5.54	9.28	9.36	8.71
PCB-92	ng/kg	12.3 B	12.7	6.2	8.55	9.85	8.53
PCB-93/100	ng/kg	182	66.8	51.8	108	67.6	63.7
PCB-94	ng/kg	3.49 J	3.34 J	2.31 J	1.27 U	2.14 J	2.28 J
PCB-95	ng/kg	R	30.1	13.9 J	15.1 J	R	16 J
PCB-96	ng/kg	1.43 U	1.46 U	1.45 U	1.47 U	1.49 U	1.5 U
PCB-98/102	ng/kg	7.36 U	7.49 U	7.45 U	7.55 U	7.67 U	7.7 U
PCB-99	ng/kg	2,100 BE	1,330 E	1,080 BE	1,740 BE	1,230 BE	1,220 BE
PCB-103	ng/kg	1.05 U	1.07 U	1.06 U	1.08 U	1.1 U	1.1 U
PCB-104	ng/kg	1.34 U	1.36 U	1.35 U	1.37 U	1.39 U	1.4 U
PCB-105	ng/kg	793 E	605 E	337 B	555 B	550 B	520 B
PCB-106	ng/kg	1.63 U	1.65 U	1.64 U	1.67 U	1.69 U	1.7 U
PCB-107	ng/kg	128	96.7	57.5	102	111	80.3
PCB-108/124	ng/kg	3.32 J	4.15 J	2.8 U	2.84 U	3.44 J	2.9 U
PCB-110/115	ng/kg	124 B	104	68.5 B	93.8 B	75.4	84 B
PCB-111	ng/kg	4.79	3.2 J	1.35 U	4.42 J	3.51 J	1.4 U
PCB-112	ng/kg	1.34 U	1.36 U	1.35 U	1.37 U	1.39 U	1.4 U
PCB-114	ng/kg	65.2	47.9	32	45.8	44.7	36.1
PCB-118	ng/kg	2,860 BE	2,050 BE	1,270 BE	2,140 BE	2,050 BE	1,640 BE
PCB-120	ng/kg	20.7	14.6	10.5	19.8	14.7	12.6
PCB-121	ng/kg	1.15 U	1.74 J	1.42 J	2.59 J	1.79 J	1.2 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/08/15 NB03CRB-MUS-N008	NB03CRBSOU 08/26/15 NB03CRB-MUS-S001	NB03CRBSOU 09/01/15 NB03CRB-MUS-S002	NB03CRBSOU 09/01/15 NB03CRB-MUS-S003	NB03CRBSOU 08/30/15 NB03CRB-MUS-S004	NB03CRBSOU 09/01/15 NB03CRB-MUS-S005
PCB-122	ng/kg	1.15 U	1.17 U	1.16 U	1.18 U	1.2 U	1.2 U
PCB-123	ng/kg	53.3	47.3	26.3	39.1	37	32.5
PCB-126	ng/kg	6.59	5.3	1.55 U	5.88	5.23	4.6 J
PCB-127	ng/kg	2.56 J	1.36 U	1.35 U	1.8 J	1.39 U	1.43 J
PCB-128/166	ng/kg	197	185	107	190	160	152
PCB-129/138/163	ng/kg	1,580 B	1,490	869 B	1,540 B	1,210 B	1,120 B
PCB-130	ng/kg	20.7	22.7	12	24	18.3	19.2
PCB-131	ng/kg	1.63 U	1.65 U	1.64 U	1.67 U	1.69 U	1.7 U
PCB-132	ng/kg	7.02	4.43 J	2.25 J	2.93 J	1.59 U	2.88 J
PCB-133	ng/kg	49.7	62.5	24.5	50.5	51.9	31
PCB-134	ng/kg	3.15 U	3.21 U	3.19 U	3.24 U	3.29 U	3.3 U
PCB-135/151	ng/kg	17.2	15.8	8.41 J	12.7	10.8	10.6
PCB-136	ng/kg	2.33 J	2.32 J	1.55 U	1.57 U	1.67 J	1.6 U
PCB-137	ng/kg	98.2	73	54.4	86.2	62.2	62.7
PCB-139/140	ng/kg	41.1	38.5	22.8	38.3	30.9	26.7
PCB-141	ng/kg	9.53	8.68	4.06 J	1.67 U	7.03	5.56
PCB-142	ng/kg	1.63 U	1.65 U	1.64 U	1.67 U	1.69 U	1.7 U
PCB-143	ng/kg	3.15 U	3.21 U	3.19 U	3.24 U	3.29 U	3.3 U
PCB-144	ng/kg	1.43 U	2.66 J	2.62 J	2.96 J	2.45 J	3.12 J
PCB-145	ng/kg	1.53 U	1.56 U	1.55 U	1.57 U	1.59 U	1.6 U
PCB-146	ng/kg	R	R	175	338	R	210
PCB-147/149	ng/kg	64.9 B	79.3	36.5 B	67.6 B	66.7 B	64.4 B
PCB-148	ng/kg	13.2	9.91	6.61	13.6	9.14	6.21
PCB-150	ng/kg	1.43 U	1.46 U	1.45 U	1.47 U	1.49 U	1.5 U
PCB-152	ng/kg	1.34 U	1.36 U	1.35 U	1.37 U	1.39 U	1.4 U
PCB-153/168	ng/kg	2,420 BE	2,200 BE	1,260 BE	2,350 BE	1,760 BE	1,400 BE
PCB-154	ng/kg	88.2	70.2	41.5	83.1	53.7	44.1
PCB-155	ng/kg	30.8	18.8	14.3	24.2	19.1	17.3
PCB-156/157	ng/kg	221	182	99.9	173	156	125
PCB-158	ng/kg	203	170	110	180	134	125
PCB-159	ng/kg	1.34 U	1.36 U	1.35 U	1.37 U	1.39 U	1.4 U
PCB-160	ng/kg	6.02 U	6.13 U	6.09 U	6.18 U	6.27 U	6.3 U
PCB-161	ng/kg	1.24 U	R	1.26 U	1.27 U	1.29 U	1.3 U
PCB-162	ng/kg	10.8	11.6	5.04	9.81	9.05	6.94
PCB-164	ng/kg	1.43 U	5.21	2.92 J	1.47 U	1.49 U	3.84 J
PCB-165	ng/kg	R	R	1.63 J	3.06 J	R	1.59 J
PCB-167	ng/kg	88.2	74	38.5	73.7	63.9	49.6
PCB-169	ng/kg	1.43 U	1.46 U	1.45 U	1.47 U	1.49 U	1.5 U
PCB-170	ng/kg	148	121	71.1	125	101	108
PCB-171/173	ng/kg	R	R	R	79	R	57.4
PCB-172	ng/kg	50.2	36.4	21.8	38.9	28.7	27.3
PCB-174	ng/kg	R	R	R	3.39 J	R	4.63 J
PCB-175	ng/kg	R	R	9.21	19.4	11.9	11
PCB-176	ng/kg	1.51 J	1.69 J	1.16 U	1.18 U	1.2 U	1.2 J
PCB-177	ng/kg	R	R	R	R	R	R
PCB-178	ng/kg	149	R	75.6	151	110	92.8
PCB-179	ng/kg	1.34 U	2.08 J	1.35 U	1.54 J	1.62 J	1.83 J
PCB-180/193	ng/kg	777	621	359 B	600 B	463 B	428 B
PCB-181	ng/kg	R	R	R	R	R	R

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/08/15 NB03CRB-MUS-N008	NB03CRBSOU 08/26/15 NB03CRB-MUS-S001	NB03CRBSOU 09/01/15 NB03CRB-MUS-S002	NB03CRBSOU 09/01/15 NB03CRB-MUS-S003	NB03CRBSOU 08/30/15 NB03CRB-MUS-S004	NB03CRBSOU 09/01/15 NB03CRB-MUS-S005
PCB-182	ng/kg	R	R	R	3.47 J	R	2.74 J
PCB-183/185	ng/kg	279	R	R	248	192	152
PCB-184	ng/kg	3.13 J	2.97 J	1.47 J	2.93 J	1.39 U	1.41 J
PCB-186	ng/kg	1.43 U	1.46 U	1.45 U	1.47 U	1.49 U	1.5 U
PCB-187	ng/kg	R	R	342 B	635 BE	470	416 B
PCB-188	ng/kg	7.97	6.22	3.46 J	7.06	1.49 U	5.59
PCB-189	ng/kg	11.1	10.1	4.88	9.18	7.49	5.89
PCB-190	ng/kg	57.4	43	26.3	48.1	37.6	35.8
PCB-191	ng/kg	12.5	10.6	6.05	8.93	7.55	7.32
PCB-192	ng/kg	1.24 U	1.26 U	1.26 U	1.27 U	1.29 U	1.3 U
PCB-194	ng/kg	76.9	62.4	30.4	54.1	49.6	48.4
PCB-195	ng/kg	20.3	16.8	9.75	17.9	15.3	16
PCB-196	ng/kg	85.7	55.1	37.6	63.4	45.7	48.5
PCB-197/200	ng/kg	R	9.55 J	4.37 J	9.05 J	7.14 J	5.12 J
PCB-198/199	ng/kg	194	137	91.9	156	116	123
PCB-201	ng/kg	30.4	33.1	14.5	30.4	1.99 U	17.9
PCB-202	ng/kg	97.3	101	46.3	100	107	65.6
PCB-203	ng/kg	79.2	66.5	32.9	60.9	49	49.3
PCB-204	ng/kg	2.01 U	2.04 U	2.03 U	2.06 U	2.09 U	2.1 U
PCB-205	ng/kg	1.43 U	1.46 U	1.45 U	1.47 U	1.49 U	1.5 U
PCB-206	ng/kg	40.5	51.7	22.2	40.7	36.9	35.3
PCB-207	ng/kg	10.8	9.45	4.69 J	8.09	8.42	6.24

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/08/15 NB03CRB-MUS-N008	NB03CRBSOU 08/26/15 NB03CRB-MUS-S001	NB03CRBSOU 09/01/15 NB03CRB-MUS-S002	NB03CRBSOU 09/01/15 NB03CRB-MUS-S003	NB03CRBSOU 08/30/15 NB03CRB-MUS-S004	NB03CRBSOU 09/01/15 NB03CRB-MUS-S005
PCB-208	ng/kg	41.9	35.2	19.8	37.3	33.8	28.6
PCB-209	ng/kg	45.7	52.5	24.1	41.9	1.59 U	31.9
Total PCB Congeners (209)	ng/kg	25,200 J	18,400 J	12,300 J	20,300 J	17,600 J	16,200 J
Aroclor PCBs							
Aroclor-1016	ug/kg	7.2 U	7 U	7.2 U	7.2 U	7 U	7.2 U
Aroclor-1221	ug/kg	9.2 U	8.9 U	9.2 U	9.1 U	9 U	9.2 U
Aroclor-1232	ug/kg	16 U	15 U	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.4 U	6.6 U	6.6 U	6.4 U	6.6 U
Aroclor-1248	ug/kg	6.6 U	6.4 U	6.6 U	6.6 U	6.4 U	6.6 U
Aroclor-1254	ug/kg	6.6 U	6.4 U	6.6 U	6.6 U	6.4 U	6.6 U
Aroclor-1260	ug/kg	9.8 U	9.5 U	9.8 U	9.7 U	9.5 U	9.8 U
Aroclor-1262	ug/kg	6.6 U	6.4 U	6.6 U	6.6 U	6.4 U	6.6 U
Aroclor-1268	ug/kg	6.6 U	6.4 U	6.6 U	6.6 U	6.4 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	15 U	16 U	16 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	15 U	16 U	16 U	16 U	16 U
Pesticides							
2,4'-DDD	pg/g	4.98 U	105	21.5 J	6.62 J	3.99 J	4.98 U
2,4'-DDE	pg/g	30.4 J	53.8 B	28.9 J	R	7.76 J	9.95 U
2,4'-DDT	pg/g	10.8 U	174	31.8 J	7.17 J	10.8 U	10.8 U
4,4'-DDD	pg/g	10,800	6,600 B	7,470 J	2,790	1,780	3,650
4,4'-DDE	pg/g	16,700 BJ	18,100 B	33,100 BDJ	10,000 B	6,370 B	11,000 B
4,4'-DDT	pg/g	99.8 B	354 B	124 BJ	34.4 JB	25.2 JB	R
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U
Alpha-BHC	pg/g	6.4 U	10 J	6.2 J	7.22 J	5.44 J	6.4 U
Alpha-Chlordane	pg/g	532	206	451	214	704	228
Beta-BHC	pg/g	14.1 J	11.1 U	11.1 U	7.75 J	11.1 U	11.1 U
cis-Nonachlor	pg/g	856	457	751 J	591	471	528 J
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
Dieldrin	pg/g	1,450	997	1,410	1,040	945	999
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	R
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	R
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 UJ	13.9 U
Endrin Aldehyde	pg/g	131 U	131 U	131 U	131 U	131 UJ	R
Endrin Ketone	pg/g	76 U	76 U	76 U	76 U	76 U	R
Gamma-BHC (Lindane)	pg/g	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U
Heptachlor	pg/g	32.5 U	32.5 U	32.5 U	32.5 U	32.5 UJ	32.5 U
Heptachlor Epoxide	pg/g	200	156	201	156	150	154
Hexachlorobenzene	pg/g	356 B	190 B	218 B	131 B	138 B	151 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	R
Mirex	pg/g	50.5 J	52.1	58.1	34.4 J	35 J	R
Nonachlor, trans-	pg/g	1,710	845	1,510 J	1,910	10.4 U	10.4 U
Oxychlordane	pg/g	1,450	1,170	2,030 J	1,190	1,160	1,020
trans-Chlordane	pg/g	R	13.7 U	22.8 J	R	13.7 U	13.7 U
trans-Heptachlor Epoxide	pg/g	184	17 U	314 J	219	164	146
Total Alpha + Gamma Chlordane	ppb	0.53 T	0.21	0.47 J	0.21 T	0.7	0.23
Total DDT (2,4)	ppb	0.03 J	0.33 B	0.082 J	0.014 T	0.012 J	0.011 U
Total DDT (4,4)	ppb	28 BJ	25 B	41 BDJ	13 BJ	8.2 BJ	15 BT
Total DDT (2,4 & 4,4)	ppb	28 BJ	25 B	41 BDJ	13 BT	8.2 BJ	15 BT

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU
Date Homogenized:		09/08/15	08/26/15	09/01/15	09/01/15	08/30/15	09/01/15
Sample Name:	Units	NB03CRB-MUS-N008	NB03CRB-MUS-S001	NB03CRB-MUS-S002	NB03CRB-MUS-S003	NB03CRB-MUS-S004	NB03CRB-MUS-S005
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
1,2-Diphenylhydrazine	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
1-Methylnaphthalene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2,4-Dichlorophenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2,4-Dinitrophenol	ug/kg	6,000 U	1,200 U	5,900 U	6,000 U	5,800 U	5,900 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
2,6-Dinitrotoluene	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2-Chloronaphthalene	ug/kg	130 U	27 U	130 UJ	130 UJ	140 U	130 UJ
2-Chlorophenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2-Methylnaphthalene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
2-Methylphenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2-Nitroaniline	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
2-Nitrophenol	ug/kg	330 U	65 UJ	330 U	330 U	320 U	330 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	390 U	2,000 U	2,000 U	1,900 U	2,000 U
3-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	650 U	3,300 U	3,300 U	3,200 U	3,300 U
4-Bromophenyl phenyl ether	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
4-Chloro-3-Methylphenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
4-Chloroaniline	ug/kg	670 U	130 U	660 U	660 U	650 U	660 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
4-Methylphenol	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
4-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
4-Nitrophenol	ug/kg	3,300 U	650 U	3,300 U	3,300 U	3,200 U	3,300 U
Acenaphthene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Acenaphthylene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Acetophenone	ug/kg	330 U	65 UJ	330 U	330 U	320 U	330 U
Anthracene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Atrazine	ug/kg	670 U	130 U	660 U	660 U	650 U	660 U
Benzaldehyde	ug/kg	1,300 UJ	260 U	1,300 UJ	1,300 UJ	1,300 U	1,300 UJ
Benzidine	ug/kg	14,000 U	2,700 U	14,000 U	14,000 U	14,000 U	14,000 U
Benzo(a)anthracene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 UJ	13 U
Benzo(a)pyrene	ug/kg	2.7 U	2.6 UJ	13 U	13 U	2.6 UJ	13 U
Benzo(b)fluoranthene	ug/kg	2.7 U	2.6 UJ	13 U	13 U	2.6 UJ	13 U
Benzo(e)pyrene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Benzo(g,h,i)perylene	ug/kg	2.7 U	2.6 UJ	13 UJ	13 UJ	2.6 UJ	13 UJ
Benzo(j,k)fluoranthene	ug/kg	2.7 U	2.6 UJ	13 U	13 U	2.6 UJ	13 U
Benzoic Acid	ug/kg	3,300 U	650 U	3,300 U	3,300 U	3,200 U	3,300 U
Biphenyl	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
bis(2-Chloroethyl)ether	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
C1-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/08/15 NB03CRB-MUS-N008	NB03CRBSOU 08/26/15 NB03CRB-MUS-S001	NB03CRBSOU 09/01/15 NB03CRB-MUS-S002	NB03CRBSOU 09/01/15 NB03CRB-MUS-S003	NB03CRBSOU 08/30/15 NB03CRB-MUS-S004	NB03CRBSOU 09/01/15 NB03CRB-MUS-S005
C1-Fluoranthenes/Pyrenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C1-Fluorenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C1-Naphthalenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C2-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C2-Fluorenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C2-Naphthalenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C2-Phenanthrene/anthracenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C3-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C3-Fluorenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C3-Naphthalene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C3-Phenanthrene/anthracenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C4-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C4-Naphthalene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
C4-Phenanthrenes/anthracenes	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Caprolactam	ug/kg	670 U	130 U	660 U	660 U	650 U	660 U
Carbazole	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
Chrysene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 UJ	13 U
Dibenzo(a,h)anthracene	ug/kg	2.7 U	2.6 UJ	13 U	13 U	2.6 UJ	13 U
Dibenzofuran	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
Diethyl phthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 U	1,300 U	1,300 U
Fluoranthene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 UJ	13 U
Fluorene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Hexachlorobutadiene	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	650 U	3,300 U	3,300 U	3,200 U	3,300 U
Hexachloroethane	ug/kg	670 U	130 U	660 U	660 U	650 U	660 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.7 U	2.6 UJ	13 UJ	13 UJ	2.6 UJ	13 UJ
Isophorone	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
Naphthalene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Nitrobenzene	ug/kg	330 U	65 UJ	330 U	330 U	320 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	65 UJ	330 U	330 U	320 U	330 U
N-Nitrosodiphenylamine	ug/kg	330 U	65 U	330 U	330 U	320 U	330 U
Pentachlorophenol	ug/kg	670 U	130 U	660 U	660 U	650 U	660 U
Perylene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Phenanthrene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
Phenol	ug/kg	330 U	65 UJ	330 U	330 U	320 U	330 U
Pyrene	ug/kg	2.7 U	2.6 U	13 U	13 U	2.6 UJ	13 U
Pyridine	ug/kg	1,300 U	490 J	1,300 U	1,300 U	1,300 U	1,300 U
Total HMW PAHs	ppb	2.7 U	2.6 UJ	13 UJ	13 UJ	2.6 UJ	13 UJ
Total LMW PAHs	ppb	2.7 U	2.6 U	13 U	13 U	2.6 U	13 U
TOTAL PAHs	ppb	2.7 U	2.6 UJ	13 UJ	13 UJ	2.6 UJ	13 UJ
Physical Properties[1]							
Percent Moisture	%	80.7	77.7	77.7	79	78.2	78.5
Water Content ASTM D2216	%	418	349	348	377	359	365

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	ng/kg	0.0326 JBQ	0.05 JBQ	0.121 JBQ	0.0979 JBQ
1,2,3,4,6,7,8-HpCDF	ng/kg	0.0664 JBQ	0.116 JBQ	0.116 JB	0.118 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0452 JB	0.0244 U	0.018 U	0.0178 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.0419 JBQ	0.0256 U	0.0195 U	0.0168 U
1,2,3,4,7,8-HxCDF	ng/kg	0.135 JB	0.171 JBQ	0.123 JB	0.156 JBQ
1,2,3,6,7,8-HxCDD	ng/kg	0.0574 J	0.0259 U	0.0208 U	0.0292 JQ
1,2,3,6,7,8-HxCDF	ng/kg	0.0417 JBQ	0.0338 JBQ	0.0302 JBQ	0.0475 JBQ
1,2,3,7,8,9-HxCDD	ng/kg	0.0556 JQ	0.0479 JQ	0.0192 U	0.0323 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.062 JB	0.0427 JBQ	0.0554 JBQ	0.0297 JB
1,2,3,7,8-PeCDD	ng/kg	0.0674 U	0.0705 U	0.0913 JBQ	0.0715 JBQ
1,2,3,7,8-PeCDF	ng/kg	0.106 JBQ	0.15 JBQ	0.152 JBQ	0.118 JBQ
2,3,4,6,7,8-HxCDF	ng/kg	0.0233 JBQ	0.0405 JBQ	0.0218 U	0.0286 JB
2,3,4,7,8-PeCDF	ng/kg	0.0897 JQ	0.234 JBQ	0.141 JB	0.13 JBQ
2,3,7,8-TCDD	ng/kg	0.988 QBJ	1.3	1.08	1.45
2,3,7,8-TCDF	ng/kg	0.492 JQ	0.967 J	0.733 J	0.961 J
OCDD	ng/kg	0.37 JBQ	0.272 JBQ	0.345 JBQ	0.284 JB
OCDF	ng/kg	0.0236 JBQ	0.0592 JBQ	0.0293 U	0.0342 JBQ
Percent Lipid	%	0.1	0.1	0.1	0.19
Metals					
Aluminum	mg/kg	5.38 U	5.54 U	5.33 U	5.33 U
Antimony	mg/kg	0.0635 U	0.0653 U	0.0629 U	0.0629 U
Arsenic	mg/kg	2.94	3.81	3.07	3.23
Barium	mg/kg	0.367 B	0.41	2.08	0.41
Beryllium	mg/kg	0.0137 U	0.0141 U	0.0135 U	0.0135 U
Cadmium	mg/kg	0.0442 U	0.0455 U	0.0438 U	0.0438 U
Calcium	mg/kg	1,340	1,490	18,800	809
Chromium	mg/kg	0.0962 U	0.169 B	0.544	0.178 B
Cobalt	mg/kg	0.0192 U	0.0198 U	0.019 U	0.019 U
Copper	mg/kg	11.2	13.4	11.2	10.8
Iron	mg/kg	6.44 B	10.5 B	13.4 B	6.07 B
Lead	mg/kg	0.0298 B	0.0633 B	0.126 B	0.041 B
Magnesium	mg/kg	359	542	1,290	408
Manganese	mg/kg	2.04	3.82	13.7	1.85
Mercury	ng/g	125	123	149	157
Methyl Mercury	ng/g	285	244	218	169
Nickel	mg/kg	0.181 U	0.186 U	0.179 U	0.179 U
Potassium	mg/kg	3,520	5,590	4,610	4,720
Selenium	mg/kg	0.802	0.913	0.901	0.854
Silver	mg/kg	0.25	0.286	0.275	0.238
Sodium	mg/kg	1,520	2,180	2,390	1,860
Thallium	mg/kg	0.0288 U	0.0297 U	0.0286 U	0.0286 U
Titanium	mg/kg	0.163 U	0.168 U	0.162 U	0.162 U
Vanadium	mg/kg	0.0288 U	0.0297 U	0.0286 U	0.0286 U
Zinc	mg/kg	39.1	44.9	39.5	40.5
Butyltins					
Dibutyltin	ug/kg	1.2 U	1.3 U	1.3 U	1.3 U
Monobutyltin	ug/kg	20 UCN	21 UCN	21 UCN	20 UCN

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
Tetrabutyltin	ug/kg	1.6 U	1.7 U	1.7 U	1.7 U
Tributyltin	ug/kg	1.4 U	1.5 U	1.5 U	1.5 U
PCB Congeners					
PCB-1	ng/kg	0.952 U	0.987 UJ	0.966 UJ	0.999 UJ
PCB-2	ng/kg	0.667 U	0.691 UJ	0.676 UJ	0.699 UJ
PCB-3	ng/kg	1.05 U	1.09 UJ	1.06 UJ	1.1 UJ
PCB-4	ng/kg	1.24 U	1.28 UJ	1.26 UJ	1.3 UJ
PCB-5	ng/kg	0.762 U	0.79 UJ	0.773 UJ	0.799 UJ
PCB-6	ng/kg	0.667 U	0.691 UJ	0.676 UJ	0.699 UJ
PCB-7	ng/kg	0.762 U	0.79 UJ	0.773 UJ	0.926 J
PCB-8	ng/kg	1.43 U	1.48 UJ	1.45 UJ	1.5 UJ
PCB-9	ng/kg	0.667 U	0.691 UJ	0.676 UJ	0.699 UJ
PCB-10	ng/kg	1.24 U	1.28 UJ	1.26 UJ	1.3 UJ
PCB-11	ng/kg	3.24 U	3.36 UJ	3.29 UJ	3.4 UJ
PCB-12/13	ng/kg	1.81 U	2.52 J	1.94 J	2.72 J
PCB-14	ng/kg	0.762 U	0.79 UJ	0.773 UJ	0.799 UJ
PCB-15	ng/kg	111 B	70.8 BJ	62.6 BJ	77.2 BJ
PCB-16	ng/kg	2.25	2.13 J	2.04 J	2.23 J
PCB-17	ng/kg	0.857 U	0.888 UJ	0.87 UJ	0.899 UJ
PCB-18/30	ng/kg	1.52 U	1.58 UJ	1.55 UJ	1.6 UJ
PCB-19	ng/kg	0.954 J	1.02 J	1.21 J	0.799 UJ
PCB-20/28	ng/kg	1,580 BE	1,000 BEJ	777 BEJ	909 BEJ
PCB-21/33	ng/kg	6.11	5 J	4.24 J	4.85 J
PCB-22	ng/kg	9.56	10.4 BJ	6.64 BJ	9.64 BJ
PCB-23	ng/kg	0.667 U	0.691 UJ	0.676 UJ	0.699 UJ
PCB-24	ng/kg	0.952 U	0.987 UJ	0.966 UJ	0.999 UJ
PCB-25	ng/kg	0.762 U	3.68 J	2.85 J	4.58 J
PCB-26/29	ng/kg	1.14 U	4.67 J	3.08 J	6.49 J
PCB-27	ng/kg	1.44 J	1.97 UJ	1.93 UJ	2 UJ
PCB-31	ng/kg	25	22.4 BJ	16.5 BJ	29.3 BJ
PCB-32	ng/kg	6.43	6.68 BJ	4.8 BJ	7.63 BJ
PCB-34	ng/kg	0.667 U	0.691 UJ	0.676 UJ	0.699 UJ
PCB-35	ng/kg	0.857 U	0.888 UJ	0.87 UJ	0.899 UJ
PCB-36	ng/kg	0.762 U	0.79 UJ	0.773 UJ	0.799 UJ
PCB-37	ng/kg	154	103 J	75.6 J	89.8 J
PCB-38	ng/kg	0.667 U	0.691 UJ	0.676 UJ	0.699 UJ
PCB-39	ng/kg	2.61	1.68 J	1.32 J	1.85 J
PCB-40/71	ng/kg	19.1	17.1 J	11.3 J	19.5 J
PCB-41	ng/kg	4 U	4.15 UJ	4.06 UJ	4.2 UJ
PCB-42	ng/kg	7.83	5.8 J	3.77 J	7.09 J
PCB-43	ng/kg	1.7 J	1.44 J	1.35 UJ	1.56 J
PCB-44/47/65	ng/kg	1,260 B	799 BJ	581 BJ	655 BJ
PCB-45	ng/kg	2.1 U	2.17 UJ	2.13 UJ	2.2 UJ
PCB-46	ng/kg	0.952 U	0.987 UJ	0.966 UJ	0.999 UJ
PCB-48	ng/kg	1.33 U	2.86 J	1.92 J	3.37 J
PCB-49/69	ng/kg	2.48 U	2.57 UJ	2.51 UJ	2.6 UJ
PCB-50/53	ng/kg	2.38 U	2.47 UJ	2.42 UJ	2.5 UJ
PCB-51	ng/kg	2.1 U	2.17 UJ	2.13 UJ	2.2 UJ
PCB-52	ng/kg	19.8	1.48 UJ	1.45 UJ	1.5 UJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
PCB-54	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-55	ng/kg	1.14 U	1.18 UJ	1.16 UJ	1.2 UJ
PCB-56	ng/kg	6.57	7.15 J	3.63 J	7.66 J
PCB-57	ng/kg	1.05 U	1.09 UJ	1.06 UJ	1.1 UJ
PCB-58	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-60	ng/kg	305	240 J	146 J	154 J
PCB-61/70/74/76	ng/kg	1,080	838 BJ	547 BJ	608 BJ
PCB-62/75	ng/kg	94.1	56.1 J	41.4 J	48.8 J
PCB-63	ng/kg	13.2	9.78 J	7.83 J	9.53 J
PCB-64	ng/kg	14.7	10.9 BJ	1.26 UJ	16.6 BJ
PCB-66	ng/kg	1,610 BE	1,150 BEJ	779 BEJ	862 BEJ
PCB-67	ng/kg	1.14 U	2.08 J	1.58 J	2.26 J
PCB-68	ng/kg	9.87	6.08 J	6.14 J	6.26 J
PCB-72	ng/kg	3.29 J	2.41 J	1.9 J	2.76 J
PCB-73	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-77	ng/kg	R	77.2 J	51.5 J	53.4 J
PCB-78	ng/kg	1.52 U	1.58 UJ	1.55 UJ	1.6 UJ
PCB-79	ng/kg	4.15 J	2.36 J	1.94 J	2.4 J
PCB-80	ng/kg	1.05 U	1.09 UJ	1.06 UJ	1.1 UJ
PCB-81	ng/kg	5.4	4.44 J	2.91 J	2.81 J
PCB-82	ng/kg	3.17 J	1.48 UJ	1.45 UJ	1.5 UJ
PCB-83	ng/kg	2.76 U	2.86 UJ	2.8 UJ	2.9 UJ
PCB-84	ng/kg	3.21	1.09 UJ	1.06 UJ	1.1 UJ
PCB-85/116/117	ng/kg	328	248 J	166 J	164 J
PCB-86/87/97/109/119/125	ng/kg	141	88.8 J	70.2 J	70.7 J
PCB-88	ng/kg	2.1 U	2.17 UJ	2.13 UJ	2.2 UJ
PCB-89	ng/kg	1.24 U	1.28 UJ	1.26 UJ	1.3 UJ
PCB-90/101/113	ng/kg	61.1 B	4.64 UJ	4.54 UJ	4.7 UJ
PCB-91	ng/kg	2.1 U	5.04 J	3.68 J	7.46 J
PCB-92	ng/kg	8.87 B	1.28 UJ	1.26 UJ	1.3 UJ
PCB-93/100	ng/kg	62.4	35.5 J	32.4 J	31 J
PCB-94	ng/kg	1.52 J	1.28 UJ	1.26 UJ	1.3 UJ
PCB-95	ng/kg	R	7.6 UJ	7.44 UJ	7.69 UJ
PCB-96	ng/kg	1.43 U	1.48 UJ	1.45 UJ	1.5 UJ
PCB-98/102	ng/kg	7.33 U	7.6 UJ	7.44 UJ	7.69 UJ
PCB-99	ng/kg	1,450 BE	981 BEJ	763 BEJ	711 BEJ
PCB-103	ng/kg	1.05 U	1.09 UJ	1.06 UJ	1.1 UJ
PCB-104	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-105	ng/kg	561	416 J	274 J	254 J
PCB-106	ng/kg	1.62 U	1.68 UJ	1.64 UJ	1.7 UJ
PCB-107	ng/kg	79.3	63 J	43.2 J	43 J
PCB-108/124	ng/kg	2.76 U	2.86 UJ	2.8 UJ	2.9 UJ
PCB-110/115	ng/kg	91.9 B	61.8 BJ	3.77 UJ	56 BJ
PCB-111	ng/kg	3.24 J	2.01 J	1.63 J	1.75 J
PCB-112	ng/kg	1.33 U	1.84 J	1.35 UJ	1.4 UJ
PCB-114	ng/kg	1.43 U	43.9 J	25.7 J	23.2 J
PCB-118	ng/kg	2,150 BE	1,560 BEJ	1,070 BEJ	969 BEJ
PCB-120	ng/kg	15.4	9.5 J	8.38 J	7.48 J
PCB-121	ng/kg	1.14 U	1.18 UJ	1.16 UJ	1.2 UJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
PCB-122	ng/kg	1.14 U	1.18 UJ	1.16 UJ	1.2 UJ
PCB-123	ng/kg	40.5	36.9 J	23.5 J	20.6 J
PCB-126	ng/kg	5.42	R	2.83 J	2.28 J
PCB-127	ng/kg	1.85 J	1.38 UJ	1.35 UJ	1.4 UJ
PCB-128/166	ng/kg	161	109 J	75.3 J	74 J
PCB-129/138/163	ng/kg	1,150 B	805 BJ	601 BJ	555 BJ
PCB-130	ng/kg	14.9	8.48 J	7.72 J	7.54 J
PCB-131	ng/kg	1.62 U	1.68 UJ	1.64 UJ	1.7 UJ
PCB-132	ng/kg	6.49	1.58 UJ	1.55 UJ	1.6 UJ
PCB-133	ng/kg	38.1	26.3 J	18.7 J	17.5 J
PCB-134	ng/kg	3.14 U	3.26 UJ	3.19 UJ	3.3 UJ
PCB-135/151	ng/kg	13.3	4.54 UJ	4.44 UJ	4.6 UJ
PCB-136	ng/kg	1.52 U	1.58 UJ	1.55 UJ	1.83 J
PCB-137	ng/kg	72.1	55.4 J	35.7 J	29.7 J
PCB-139/140	ng/kg	30.6	21.6 J	16.5 J	14.1 J
PCB-141	ng/kg	8	1.68 UJ	1.64 UJ	1.7 UJ
PCB-142	ng/kg	1.62 U	1.68 UJ	1.64 UJ	1.7 UJ
PCB-143	ng/kg	3.14 U	3.26 UJ	3.19 UJ	3.3 UJ
PCB-144	ng/kg	3.22 J	1.48 UJ	1.45 UJ	1.99 J
PCB-145	ng/kg	1.52 U	1.58 UJ	1.55 UJ	1.6 UJ
PCB-146	ng/kg	R	160 BJ	117 BJ	105 BJ
PCB-147/149	ng/kg	53.1 B	3.46 UJ	3.38 UJ	3.5 UJ
PCB-148	ng/kg	8.43	5.78 J	4.64 J	1.4 UJ
PCB-150	ng/kg	1.43 U	1.48 UJ	1.45 UJ	1.5 UJ
PCB-152	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-153/168	ng/kg	1,750 BE	1,180 BJ	897 BJ	766 BJ
PCB-154	ng/kg	55.4	33.8 J	30.1 J	25.9 J
PCB-155	ng/kg	17.1	9.82 J	7.53 J	7.14 J
PCB-156/157	ng/kg	164	136 J	87.5 J	74 J
PCB-158	ng/kg	152	111 J	74.3 J	62.3 J
PCB-159	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-160	ng/kg	6 U	6.22 UJ	6.09 UJ	6.29 UJ
PCB-161	ng/kg	1.24 U	1.28 UJ	1.26 UJ	1.3 UJ
PCB-162	ng/kg	1.24 U	5.81 J	3.95 J	3.62 J
PCB-164	ng/kg	3.03 J	1.48 UJ	1.45 UJ	2.14 J
PCB-165	ng/kg	R	1.28 UJ	1.26 UJ	1.3 UJ
PCB-167	ng/kg	66.4	51.6 J	34.3 J	28.7 J
PCB-169	ng/kg	1.43 U	1.48 UJ	1.45 UJ	1.5 UJ
PCB-170	ng/kg	108	83.3 J	46.1 J	47.2 J
PCB-171/173	ng/kg	R	49.3 J	29.1 J	27.8 J
PCB-172	ng/kg	28.6	21.7 J	13.1 J	12.9 J
PCB-174	ng/kg	R	3.34 J	1.78 J	3.22 J
PCB-175	ng/kg	R	9.48 J	5.64 J	5.02 J
PCB-176	ng/kg	1.3 J	1.18 UJ	1.16 UJ	1.2 UJ
PCB-177	ng/kg	R	19.5 J	12.1 J	13.6 J
PCB-178	ng/kg	101	69.3 J	43.5 J	42 J
PCB-179	ng/kg	1.33 U	1.38 UJ	1.35 UJ	1.4 UJ
PCB-180/193	ng/kg	485	406 BJ	248 BJ	213 BJ
PCB-181	ng/kg	R	2.06 J	1.26 J	1.3 UJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
PCB-182	ng/kg	R	2.12 J	1.48 J	1.3 UJ
PCB-183/185	ng/kg	189	146 J	98.3 J	86.2 J
PCB-184	ng/kg	2.02 J	1.58 J	1.35 UJ	1.4 UJ
PCB-186	ng/kg	1.43 U	1.48 UJ	1.45 UJ	1.5 UJ
PCB-187	ng/kg	R	300 BJ	202 BJ	191 BJ
PCB-188	ng/kg	5.77	4.03 J	3.03 J	2.6 J
PCB-189	ng/kg	7.54	6.55 J	4.14 J	3.42 J
PCB-190	ng/kg	37.4	31.3 J	18 J	15.7 J
PCB-191	ng/kg	8.25	6.86 J	3.9 J	3.36 J
PCB-192	ng/kg	1.24 U	1.28 UJ	1.26 UJ	1.3 UJ
PCB-194	ng/kg	48.3	44.1 J	26.4 J	25.1 J
PCB-195	ng/kg	14.5	12.1 J	6.84 J	6.68 J
PCB-196	ng/kg	54.9	44.9 J	25.8 J	22 J
PCB-197/200	ng/kg	R	4.99 J	4.15 UJ	4.3 UJ
PCB-198/199	ng/kg	122	98.6 J	56.4 J	57 J
PCB-201	ng/kg	23.5	15.7 J	10.2 J	10.5 J
PCB-202	ng/kg	85.6	57.7 J	38.7 J	41.3 J
PCB-203	ng/kg	51.2	40.4 J	27 J	25 J
PCB-204	ng/kg	2 U	2.07 UJ	2.03 UJ	2.1 UJ
PCB-205	ng/kg	1.43 U	1.48 UJ	1.45 UJ	1.5 UJ
PCB-206	ng/kg	36.9	28.9 J	18.7 J	17.4 J
PCB-207	ng/kg	8.6	6.37 J	3.9 J	3.68 J

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
PCB-208	ng/kg	36.7	26.6 J	17.3 J	16.9 J
PCB-209	ng/kg	44.4	35.3 J	21.9 J	19.9 J
Total PCB Congeners (209)	ng/kg	16,600 J	12,300 J	8,630 J	8,660 J
Aroclor PCBs					
Aroclor-1016	ug/kg	7.2 U	7.1 U	7.1 U	7 U
Aroclor-1221	ug/kg	9.2 U	9 U	9.1 U	9 U
Aroclor-1232	ug/kg	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.5 U	6.5 U	6.4 U
Aroclor-1248	ug/kg	6.6 U	6.5 U	6.5 U	6.4 U
Aroclor-1254	ug/kg	6.6 U	6.5 U	6.5 U	6.4 U
Aroclor-1260	ug/kg	40	9.6 U	9.7 U	9.5 U
Aroclor-1262	ug/kg	6.6 U	6.5 U	6.5 U	6.4 U
Aroclor-1268	ug/kg	6.6 U	6.5 U	6.5 U	6.4 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	40	16 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	40	16 U	16 U	16 U
Pesticides					
2,4'-DDD	pg/g	4.98 U	4.98 UDJ	7.67 J	8.82 J
2,4'-DDE	pg/g	22.5 J	9.95 UDJ	19.6 J	100 J
2,4'-DDT	pg/g	10.8 U	10.8 UDJ	20.2 JB	13.6 JB
4,4'-DDD	pg/g	7,430	9,420 BDJ	6,070 BJ	5,350 BJ
4,4'-DDE	pg/g	16,800 B	21,900 BDJ	14,300 BJ	15,900 BJ
4,4'-DDT	pg/g	92.7 B	9.4 UDJ	94.2 BJ	87.8 BJ
Aldrin	pg/g	R	9.16 UDJ	9.16 UJ	R
Alpha-BHC	pg/g	5.65 J	6.4 UDJ	6.54 JB	6.62 JB
Alpha-Chlordane	pg/g	335	201 BDJ	170 BJ	241 BJ
Beta-BHC	pg/g	8.38 J	11.1 UDJ	10.9 JB	9.34 JB
cis-Nonachlor	pg/g	347	461 DJ	682 J	518 J
Delta-BHC	pg/g	5.08 U	5.08 UDJ	5.08 UJ	5.08 UJ
Dieldrin	pg/g	778	721 BDJ	1,150 BJ	878 BJ
Endosulfan I	pg/g	57.4 U	57.4 UDJ	57.4 UJ	57.4 UJ
Endosulfan II	pg/g	58.3 U	58.3 UDJ	58.3 UJ	58.3 UJ
Endosulfan Sulfate	pg/g	63.3 U	63.3 UDJ	63.3 UJ	63.3 UJ
Endrin	pg/g	13.9 U	13.9 UDJ	13.9 UJ	13.9 UJ
Endrin Aldehyde	pg/g	131 U	131 UDJ	131 UJ	131 UJ
Endrin Ketone	pg/g	76 U	76 UDJ	76 UJ	76 UJ
Gamma-BHC (Lindane)	pg/g	7.69 U	7.69 UDJ	2.69 J	3.87 J
Heptachlor	pg/g	32.5 U	32.5 UDJ	32.5 UJ	32.5 UJ
Heptachlor Epoxide	pg/g	80.8	92.5 JD	158 J	103 J
Hexachlorobenzene	pg/g	143 B	117 BDJ	223 BJ	135 BJ
Methoxychlor	pg/g	38.9 UJ	38.9 UDJ	38.9 UJ	38.9 UJ
Mirex	pg/g	40.4 J	9.33 UDJ	66.4 J	47.5 J
Nonachlor, trans-	pg/g	1,020	871 DJ	1,350 J	10.4 UJ
Oxychlordane	pg/g	863	957 DJ	1,690 J	940 J
trans-Chlordane	pg/g	13.7 UD	13.7 UDJ	13.7 UJ	13.7 UJ
trans-Heptachlor Epoxide	pg/g	132	17 UDJ	260 J	216 J
Total Alpha + Gamma Chlordane	ppb	0.34 D	0.2 BDJ	0.17 BJ	0.24 BJ
Total DDT (2,4)	ppb	0.023 J	0.011 UDJ	0.047 BJ	0.12 BJ
Total DDT (4,4)	ppb	24 B	31 BDJ	20 BJ	21 BJ
Total DDT (2,4 & 4,4)	ppb	24 BJ	31 BDJ	21 BJ	21 BJ

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
Semivolatiles					
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	330 U	330 U	320 U
1,2-Diphenylhydrazine	ug/kg	330 U	330 U	330 U	320 U
1-Methylnaphthalene	ug/kg	2.7 U	13 U	13 U	13 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	330 U	330 U	320 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	330 U	320 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	330 U	320 U
2,4-Dichlorophenol	ug/kg	330 U	330 U	330 U	320 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	330 U	320 U
2,4-Dinitrophenol	ug/kg	6,000 U	6,000 U	5,900 U	5,800 U
2,4-Dinitrotoluene	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	330 U	320 U
2-Chloronaphthalene	ug/kg	130 U	130 U	130 U	130 U
2-Chlorophenol	ug/kg	330 U	330 U	330 U	320 U
2-Methylnaphthalene	ug/kg	2.7 U	13 U	13 U	13 U
2-Methylphenol	ug/kg	330 U	330 U	330 U	320 U
2-Nitroaniline	ug/kg	330 U	330 U	330 U	320 U
2-Nitrophenol	ug/kg	330 U	330 U	330 U	320 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	2,000 U	2,000 U	1,900 U
3-Nitroaniline	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	3,300 U	3,300 U	3,200 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	330 U	320 U
4-Chloro-3-Methylphenol	ug/kg	330 U	330 U	330 U	320 U
4-Chloroaniline	ug/kg	670 U	660 U	660 U	650 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	330 U	320 U
4-Methylphenol	ug/kg	330 U	330 U	330 U	320 U
4-Nitroaniline	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
4-Nitrophenol	ug/kg	3,300 U	3,300 U	3,300 U	3,200 U
Acenaphthene	ug/kg	2.7 U	13 U	13 U	13 U
Acenaphthylene	ug/kg	2.7 U	13 U	13 U	13 U
Acetophenone	ug/kg	330 U	330 U	330 U	320 U
Anthracene	ug/kg	2.7 U	13 U	13 U	13 U
Atrazine	ug/kg	670 U	660 U	660 U	650 U
Benzaldehyde	ug/kg	1,300 UJ	1,300 U	1,300 U	1,300 U
Benzidine	ug/kg	14,000 U	14,000 U	14,000 U	14,000 U
Benzo(a)anthracene	ug/kg	2.7 U	13 U	13 U	13 U
Benzo(a)pyrene	ug/kg	2.7 U	13 U	13 UJ	13 UJ
Benzo(b)fluoranthene	ug/kg	2.7 U	13 U	13 UJ	13 UJ
Benzo(e)pyrene	ug/kg	2.7 U	13 U	13 U	13 U
Benzo(g,h,i)perylene	ug/kg	2.7 U	13 U	13 UJ	13 UJ
Benzo(j,k)fluoranthene	ug/kg	2.7 U	13 U	13 UJ	13 UJ
Benzoic Acid	ug/kg	3,300 U	3,300 U	3,300 U	3,200 U
Biphenyl	ug/kg	330 U	330 U	330 U	320 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	330 U	330 U	320 U
bis(2-Chloroethyl)ether	ug/kg	330 U	330 U	330 U	320 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
C1-Chrysenes	ug/kg	2.7 U	13 U	13 U	13 U

Table B-2
Crab Edible Muscle Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-MUS-S006	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S007	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S008	NB03CRBSOU 10/06/15 NB03-CRB-MUS-S009
C1-Fluoranthenes/Pyrenes	ug/kg	2.7 U	13 U	13 U	13 U
C1-Fluorenes	ug/kg	2.7 U	13 U	13 U	13 U
C1-Naphthalenes	ug/kg	2.7 U	13 U	13 U	13 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.7 U	13 U	13 U	13 U
C2-Chrysenes	ug/kg	2.7 U	13 U	13 U	13 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.7 U	13 U	13 U	13 U
C2-Fluorenes	ug/kg	2.7 U	13 U	13 U	13 U
C2-Naphthalenes	ug/kg	2.7 U	13 U	13 U	13 U
C2-Phenanthrene/anthracenes	ug/kg	2.7 U	13 U	13 U	13 U
C3-Chrysenes	ug/kg	2.7 U	13 U	13 U	13 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.7 U	13 U	13 U	13 U
C3-Fluorenes	ug/kg	2.7 U	13 U	13 U	13 U
C3-Naphthalene	ug/kg	2.7 U	13 U	13 U	13 U
C3-Phenanthrene/anthracenes	ug/kg	2.7 U	13 U	13 U	13 U
C4-Chrysenes	ug/kg	2.7 U	13 U	13 U	13 U
C4-Naphthalene	ug/kg	2.7 U	13 U	13 U	13 U
C4-Phenanthrenes/anthracenes	ug/kg	2.7 U	13 U	13 U	13 U
Caprolactam	ug/kg	670 U	660 U	660 U	650 U
Carbazole	ug/kg	330 U	330 U	330 U	320 U
Chrysene	ug/kg	2.7 U	13 U	13 U	13 U
Dibenzo(a,h)anthracene	ug/kg	2.7 U	13 U	13 UJ	13 UJ
Dibenzofuran	ug/kg	330 U	330 U	330 U	320 U
Diethyl phthalate	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
Fluoranthene	ug/kg	2.7 U	13 U	13 U	13 U
Fluorene	ug/kg	2.7 U	13 U	13 U	13 U
Hexachlorobutadiene	ug/kg	330 U	330 U	330 U	320 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	3,300 U	3,300 U	3,200 U
Hexachloroethane	ug/kg	670 U	660 U	660 U	650 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.7 U	13 U	13 UJ	13 UJ
Isophorone	ug/kg	330 U	330 U	330 U	320 U
Naphthalene	ug/kg	2.7 U	13 U	13 U	13 U
Nitrobenzene	ug/kg	330 U	330 U	330 U	320 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	330 U	320 U
N-Nitrosodiphenylamine	ug/kg	330 U	330 U	330 U	320 U
Pentachlorophenol	ug/kg	670 U	660 U	660 U	650 U
Perylene	ug/kg	2.7 U	13 U	13 U	13 U
Phenanthrene	ug/kg	2.7 U	13 U	13 U	13 U
Phenol	ug/kg	330 U	330 U	330 U	320 U
Pyrene	ug/kg	2.7 U	13 U	13 U	13 U
Pyridine	ug/kg	1,300 U	1,300 U	1,300 U	1,300 U
Total HMW PAHs	ppb	2.7 U	13 U	13 UJ	13 UJ
Total LMW PAHs	ppb	2.7 U	13 U	13 U	13 U
TOTAL PAHs	ppb	2.7 U	13 U	13 UJ	13 UJ
Physical Properties[1]					
Percent Moisture	%	80.4	78.5	79.1	77.8
Water Content ASTM D2216	%	411	365	378	350

Table B-2
Crab Edible Muscle Tissue Analytical Results

Footnote:
[1]"Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Totals were calculated using detected values only. If all analytes that make up a given total are nondetect, the total will be reported as the highest detection limit of the individual analytes and will be qualified with a "U" flag to indicate it is a non-detect.
2. Total PCB Congeners (209) = sum of 209 individual congener PCBs
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268
5. Total Alpha + Gamma Chlordane = sum of alpha-Chlordane and gamma-Chlordane
6. Total DDT (2,4) = sum of 2,4'-DDD, 2,4'-DDE, and 2,4'-DDT
7. Total DDT (4,4) = sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
8. Total DDT (2,4 & 4,4) = sum of 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
9. Total HMW PAHs = sum of fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene.
10. Total LMW PAHs = sum of naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene.
11. Total PAHs = sum of Total LMW PAHs and Total HMW PAHs.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-CAR122	NB03CRB-CAR123	NB03CRB-CAR124	NB03CRB-CAR125	NB03CRB-CAR126	NB03CRB-CAR127	NB03CRB-CAR129
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	1.38 JB	0.925 JB	0.762 JB	0.596 JBQ	0.52 JBQ	1.06 JB	0.903 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	6.34 B	7.48 B	2.64 JB	1.16 JB	1.06 JBQ	0.926 JB	1.09 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0777 JBQ	0.124 JBQ	0.0681 JBQ	0.162 JBQ	0.0643 JBQ	0.0711 JBQ	0.0495 JB
1,2,3,4,7,8-HxCDD	ng/kg	0.12 JQ	0.16 JB	0.124 JB	0.0656 JBQ	0.0464 JBQ	0.041 JBQ	0.12 JQ
1,2,3,4,7,8-HxCDF	ng/kg	5.59 C	6.72 C	2.87 JB	1.17 JB	0.807 JB	0.643 JB	1.16 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.443 JB	0.504 J	0.404 J	0.19 JB	0.125 JQ	0.197 JBQ	0.347 JB
1,2,3,6,7,8-HxCDF	ng/kg	1.36 JB	2.11 JB	0.913 JB	0.365 JB	0.261 JBQ	0.217 JB	0.432 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.186 JB	0.177 J	0.156 JQ	0.113 JBQ	0.0631 J	0.0565 JBQ	0.117 JB
1,2,3,7,8,9-HxCDF	ng/kg	0.104 JBQ	0.0928 JBQ	0.0556 JBQ	0.128 JBQ	0.0607 JBQ	0.0747 JBQ	0.0876 JBQ
1,2,3,7,8-PeCDD	ng/kg	0.392 JQ	1.07 JQ	0.666 JB	0.205 JQ	0.265 JBQ	0.254 JQ	0.746 JQ
1,2,3,7,8-PeCDF	ng/kg	1.44 JB	2.63 JB	1.64 JB	0.739 JB	0.652 JB	0.713 JB	1.17 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.349 JB	0.414 J	0.243 JB	0.163 JB	0.0837 JB	0.112 JB	0.192 JB
2,3,4,7,8-PeCDF	ng/kg	3.55 JB	5.61 BC	3.97 J	1.42 JB	1.24 J	1.22 JB	2.04 JB
2,3,7,8-TCDD	ng/kg	17.4	26.2	21.4 B	9.53	8.51 B	9.18	8.48
2,3,7,8-TCDF	ng/kg	5.47 BC	9.89 C	9.71 C	3.88 C	2.97 C	4.35 C	4.41 BC
OCDD	ng/kg	11 B	5.97 JB	3.6 JB	4.23 JB	3.65 JB	9.18 JB	5.79 JB
OCDF	ng/kg	4.06 JB	1.68 JBQ	0.379 JB	0.582 JBQ	0.537 JB	0.504 JBQ	0.488 JB
Percent Lipid	%	1.4	1.6	2.3	1.3	0.6	1.1	2.1
Metals								
Aluminum	mg/kg	5.49 U	79.2	19.5 B	46.1	35.3	76.4	5.6 U
Antimony	mg/kg	0.0647 U	0.0629 U	0.066 U	0.0653 U	0.0641 U	0.0647 U	0.066 U
Arsenic	mg/kg	1.42	2.45	1.56	2.68	2.46	2.07	2.06
Barium	mg/kg	4.42	4.96	1.92	2.47	2.33	1.34	2.46
Beryllium	mg/kg	0.0139 U	0.0135 U	0.0142 U	0.0141 U	0.0138 U	0.0139 U	0.0142 U
Cadmium	mg/kg	0.163	0.327	0.246	0.257	0.209	0.271	0.198
Calcium	mg/kg	8,150	5,910	2,860	4,580	2,960	2,480	2,730
Chromium	mg/kg	0.501	0.683	0.17 B	0.527	0.214 B	0.332 B	0.244 B
Cobalt	mg/kg	0.137	0.226	0.0998 B	0.11	0.0944 B	0.116	0.0807 B
Copper	mg/kg	28.9	43.8	29.8	40.5	47.4	29.2	28
Iron	mg/kg	174	294	121	237	206	240	149
Lead	mg/kg	1.02	2.62	0.98	1.33	4.19	1.43	1.35
Magnesium	mg/kg	737	1,000	558	874	699	627	582
Manganese	mg/kg	36.5	62.8	18.9	22.8	33.5	20.2	16.6
Mercury	ng/g	45.7	34.8	34.2	36.9	41.5	39	29
Methyl Mercury	ng/g	34.2 J	39.9	52.8	27.2	33.2	30.9	22.1 J
Nickel	mg/kg	0.658	0.518	0.188 U	0.585	0.183 U	0.323 B	0.586
Potassium	mg/kg	1,840	2,790	2,140	2,720	2,120	2,300	1,970
Selenium	mg/kg	0.821	1.19	1.17	1.23	0.876	1.04	0.866
Silver	mg/kg	0.882	1.36	0.912	1.05	1.23	0.798	0.635
Sodium	mg/kg	4,730	7,070	5,110	7,280	5,860	5,440	4,820
Thallium	mg/kg	0.0294 U	0.0286 U	0.03 U	0.0297 U	0.0291 U	0.0294 U	0.03 U
Titanium	mg/kg	3.14	2.26	0.967 B	1.42 B	1.48 B	2.7	1.31 B
Vanadium	mg/kg	0.365	0.598	0.241	0.303	0.295	0.458	0.2
Zinc	mg/kg	26.6	39.8	28	34.3	24	23.8	21.6
Butyltins								
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	1.3 UJ	1.5	1.3 UJ	4.8
Monobutyltin	ug/kg	20 UCN	20 UCN	21 UCN	20 UJCN	20 UCN	20 UJCN	21 UCN
Tetrabutyltin	ug/kg	1.7 U	1.7 U	1.7 U	1.7 UJ	1.6 U	1.7 UJ	1.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-CAR122	NB03CRB-CAR123	NB03CRB-CAR124	NB03CRB-CAR125	NB03CRB-CAR126	NB03CRB-CAR127	NB03CRB-CAR129
Tributyltin	ug/kg	1.5 UJ	1.5 U	1.5 U	1.5 UJ	1.4 U	1.5 UJ	1.5 UJ
PCB Congeners								
PCB-1	ng/kg	15.1	5.72 J	0.997 U	12.7 B	0.997 U	18 B	5.13 J
PCB-2	ng/kg	3.48 U	3.48 U	0.698 U	1.46 J	0.698 U	2.01	3.5 U
PCB-3	ng/kg	9.31 J	5.47 U	1.1 U	R	1.1 U	5.88	5.5 U
PCB-4	ng/kg	82	34.3	61.6	79.5 B	98.6	92.3 B	23.1 J
PCB-5	ng/kg	3.97 U	3.98 U	0.798 U	0.784 U	0.798 U	0.784 U	4 U
PCB-6	ng/kg	17	15.9	0.698 U	0.686 U	0.698 U	0.686 U	14.2
PCB-7	ng/kg	3.97 U	3.98 U	0.798 U	1.55 J	0.798 U	11.4	4 U
PCB-8	ng/kg	77.5 B	7.46 U	1.5 U	60.1	1.5 U	68.3	59.4 B
PCB-9	ng/kg	3.48 U	3.48 U	0.698 U	2.31	0.698 U	2.55	3.5 U
PCB-10	ng/kg	13.5 J	6.46 U	10.2	11.7	20.6	13.4	6.5 U
PCB-11	ng/kg	103 B	155 B	192 B	119 B	3.39 U	143 B	151 B
PCB-12/13	ng/kg	44.7	58.1	1.89 U	35	1.89 U	40.3	39.2
PCB-14	ng/kg	3.97 U	3.98 U	0.798 U	0.784 U	0.798 U	0.784 U	4 U
PCB-15	ng/kg	1,010	1,450	1,390 BE	986 BE	1,100 BE	911 BE	817
PCB-16	ng/kg	4.47 U	23	23	0.882 U	25.8	0.882 U	4.5 U
PCB-17	ng/kg	4.47 U	78.2	99.7	68.3 B	72.7	87.3 B	4.5 U
PCB-18/30	ng/kg	7.94 U	146	1.6 U	1.57 U	151 B	161 B	8 U
PCB-19	ng/kg	3.97 U	11.8	15.5	22.2	28.8	22.9	4 U
PCB-20/28	ng/kg	18,500 BE	29,100 BE	20,100 BE	11,800 BE	14,500 BE	10,700 BE	11,000 BE
PCB-21/33	ng/kg	10.4 U	142	117	80	75	87.4	10.5 U
PCB-22	ng/kg	249	343	326 E	257 B	230	247 B	256
PCB-23	ng/kg	3.48 U	3.48 U	0.698 U	0.686 U	0.698 U	0.686 U	3.5 U
PCB-24	ng/kg	4.97 U	4.97 U	0.997 U	0.98 U	0.997 U	0.98 U	5 U
PCB-25	ng/kg	98.9	145	111	81.2	73.6	92.8	60.2
PCB-26/29	ng/kg	134	167	134	94	110	154	96.6
PCB-27	ng/kg	29.4	29.7	41.7	28.5	39.2	49.9	26.5
PCB-31	ng/kg	530 B	694	648 E	355 BE	446 E	532 BE	432 B
PCB-32	ng/kg	3.97 U	153	168	124 B	127	176 B	4 U
PCB-34	ng/kg	15.5	23.8	15.3	9.9	9.43	11.1	10.7
PCB-35	ng/kg	16.5	22.4	0.897 U	12.2	0.897 U	9.93	13.5
PCB-36	ng/kg	3.97 U	3.98 U	0.798 U	4.63	0.798 U	5.58	5.6 J
PCB-37	ng/kg	2,060 E	3,070 E	2,580 E	1,540 E	1,680 E	1,320 E	1,780 E
PCB-38	ng/kg	13.9	25.9	0.698 U	0.686 U	0.698 U	0.686 U	3.5 U
PCB-39	ng/kg	31.8	62.3	30.6	15.3	15.7	12.7	17.6
PCB-40/71	ng/kg	609	740	734	409	656	780	520
PCB-41	ng/kg	20.9 U	20.9 U	4.19 U	6.94 J	5.39 J	10.6	21 U
PCB-42	ng/kg	7.94 U	185	296	97.8	131	149	8 U
PCB-43	ng/kg	41.9	51.4	34	23.2	32.1	38.7	27.2
PCB-44/47/65	ng/kg	9,350 BE	20,800 E	14,400 BE	4,810 BE	6,400 BE	6,180 BE	6,130 B
PCB-45	ng/kg	19.1 J	13.5 J	12.2	11.5	16.3	15.5	11 U
PCB-46	ng/kg	11.4	9.72 J	9.31	7.37	8.47	9.6	5.36 J
PCB-48	ng/kg	6.95 U	83.9	77.7	40.8	46.2	55.4	7 U
PCB-49/69	ng/kg	12.9 U	431	625 B	257	394 B	431	13 U
PCB-50/53	ng/kg	56	53.8	62.9	39.3	52.7	55.9	29.4 J
PCB-51	ng/kg	28.6	42.8	44.4	21.5	24.5	26.1	12.6 J
PCB-52	ng/kg	7.45 U	565	571	330 B	528	658 BE	7.5 U
PCB-54	ng/kg	6.95 U	6.96 U	1.4 U	1.37 U	1.4 U	1.37 U	7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-CAR122	NB03CRB123 08/24/15 NB03CRB-CAR123	NB03CRB124 09/08/15 NB03CRB-CAR124	NB03CRB125 08/30/15 NB03CRB-CAR125	NB03CRB126 09/08/15 NB03CRB-CAR126	NB03CRB127 08/30/15 NB03CRB-CAR127	NB03CRB129 08/19/15 NB03CRB-CAR129
PCB-55	ng/kg	43.4	5.96 U	1.2 U	14.4	16.8	15.9	6 U
PCB-56	ng/kg	363	458	587	332	302	346	333
PCB-57	ng/kg	13 J	17.6 J	14.9	9.85	13.6	21.4	13.2 J
PCB-58	ng/kg	11.2 J	18.5 J	26	15.8	10.9	1.37 U	13.2 J
PCB-60	ng/kg	3,100 E	5,480 E	3,610 E	2,560 E	2,690 E	2,350 E	2,550
PCB-61/70/74/76	ng/kg	13,300 E	27,300 E	16,300 E	7,150 E	8,340 E	8,030 E	8,560
PCB-62/75	ng/kg	885	1,760	1,110	432	591	524	530
PCB-63	ng/kg	183	400	305	99.8	140	151	141
PCB-64	ng/kg	6.45 U	415	584	200	372	376	6.5 U
PCB-66	ng/kg	23,900 BE	48,300 BE	31,300 BE	12,500 BE	16,100 BE	12,700 BE	15,000 BE
PCB-67	ng/kg	50.5	97.4	66.9	23.7	30.7	36.7	30
PCB-68	ng/kg	101	258	163	58.2	75	81	68.3
PCB-72	ng/kg	57.5	96.4	82.7	36.4	62.8	72.9	45.8
PCB-73	ng/kg	9.73 J	20.6 J	23.6	16.2	14.6	23.1	15.5 J
PCB-77	ng/kg	1,760	2,850	R	1,090 E	1,200 E	R	1,350
PCB-78	ng/kg	7.94 U	7.95 U	1.6 U	1.57 U	1.6 U	1.57 U	8 U
PCB-79	ng/kg	57.9	110	58.1	24.6	28.5	35.5	33.2
PCB-80	ng/kg	5.46 U	9.44 J	4.46 J	4.71 J	1.1 U	3.52 J	5.5 U
PCB-81	ng/kg	55.2	104	66	30.3	34.5	37	44.1
PCB-82	ng/kg	7.45 U	33.3	55.9	23.8	1.5 U	29.2	7.5 U
PCB-83	ng/kg	24.2 J	23.1 J	2.89 U	15.2	31.7	47.9	29.7 J
PCB-84	ng/kg	5.46 U	73.9	60.4	35.9	57	60.3	5.5 U
PCB-85/116/117	ng/kg	3,160	6,850	4,870 E	1,340	2,050 E	1,930 E	2,630
PCB-86/87/97/109/119/125	ng/kg	1,460	2,880	2,190	707	986	1,020	1,120
PCB-88	ng/kg	10.9 U	10.9 U	2.19 U	2.16 U	2.19 U	2.16 U	11 U
PCB-89	ng/kg	6.45 U	6.46 U	4.03 J	1.27 U	3.44 J	1.27 U	6.5 U
PCB-90/101/113	ng/kg	23.3 U	1,530	1,710 B	575 B	1,100 B	1,050 B	23.5 U
PCB-91	ng/kg	10.9 U	183	219	65.7	127	122	11 U
PCB-92	ng/kg	6.45 U	232	264 B	134	297 B	309	6.5 U
PCB-93/100	ng/kg	640	1,430	937	252	391	394	420
PCB-94	ng/kg	27.3	45.9	40.1	15.8	28.1	35.8	26.1
PCB-95	ng/kg	385	422	R	R	R	360	182
PCB-96	ng/kg	7.45 U	7.46 U	1.5 U	1.47 U	1.52 J	1.47 U	7.5 U
PCB-98/102	ng/kg	39 J	50.9 J	51.1	16.3 J	26.7	31.4	38.5 U
PCB-99	ng/kg	13,400 BE	33,300 E	22,000 BE	6,120 BE	8,800 BE	8,570 BE	10,800 BE
PCB-103	ng/kg	12.6 J	12.1 J	18.2	6.4	13.4	8.18	5.5 U
PCB-104	ng/kg	6.95 U	6.96 U	2.21 J	1.37 U	1.4 U	1.37 U	7 U
PCB-105	ng/kg	6,680 E	14,200 E	9,360 E	3,970 BE	5,250 E	4,700 BE	5,540 E
PCB-106	ng/kg	8.44 U	8.45 U	1.69 U	1.67 U	1.69 U	1.67 U	8.5 U
PCB-107	ng/kg	948	2,520	1,510 E	580	717 E	873 E	855
PCB-108/124	ng/kg	45.4 J	70.7	79.6	33.9	53	72.3	49 J
PCB-110/115	ng/kg	1,390	2,000	2,140 BE	756	1,460 BE	1,390 E	19.5 U
PCB-111	ng/kg	30.1	66.9	43	19.1	28.6	34.1	31.9
PCB-112	ng/kg	6.95 U	36.9	1.4 U	6	1.4 U	1.37 U	7 U
PCB-114	ng/kg	438	1,130	666 E	234	306	313	396
PCB-118	ng/kg	20,900 BE	54,000 E	33,400 BE	10,900 BE	13,900 BE	14,000 BE	17,300 BE
PCB-120	ng/kg	146	350	215	67	95.4	106	125
PCB-121	ng/kg	17.3 J	39.4	24.2	7.61	10.1	11.3	6 U
PCB-122	ng/kg	12.8 J	5.96 U	21.3	9.18	6.79	11.5	6 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-CAR122	NB03CRB123 08/24/15 NB03CRB-CAR123	NB03CRB124 09/08/15 NB03CRB-CAR124	NB03CRB125 08/30/15 NB03CRB-CAR125	NB03CRB126 09/08/15 NB03CRB-CAR126	NB03CRB127 08/30/15 NB03CRB-CAR127	NB03CRB129 08/19/15 NB03CRB-CAR129
PCB-123	ng/kg	422	1,090	626 E	209	299	288	403
PCB-126	ng/kg	56.5	118	88.3	34.3	41.3	1.57 U	52.7
PCB-127	ng/kg	26.5	71.4	27.8	7.74	12.1	14.3	18.2 J
PCB-128/166	ng/kg	1,570	4,220	2,610 E	673	990	1,200 E	1,370
PCB-129/138/163	ng/kg	13,200 E	39,100 E	23,800 BE	5,910 BE	8,620 BE	10,900 BE	13,300 E
PCB-130	ng/kg	205	471	458	135	213	271	225
PCB-131	ng/kg	10.2 J	18.7 J	15.1	1.67 U	8.14	11.3	8.5 U
PCB-132	ng/kg	7.94 U	71.8	96.7	50.9	73.8	73	8 U
PCB-133	ng/kg	301	1,060	550	254	312	464	391
PCB-134	ng/kg	24.3 J	17 J	27.5	12.4	16.8	19	16.5 U
PCB-135/151	ng/kg	22.8 U	245	342	116	280	264	212
PCB-136	ng/kg	46.2	32.7	27.3	16.2	28.1	23.4	12.7 J
PCB-137	ng/kg	699	2,050	1,170 E	307	443	535	639
PCB-139/140	ng/kg	283	770	450	126	164	207	262
PCB-141	ng/kg	8.44 U	176	150	75.7	136	126	8.5 U
PCB-142	ng/kg	8.44 U	8.45 U	1.69 U	1.67 U	1.69 U	1.67 U	8.5 U
PCB-143	ng/kg	16.4 U	16.4 U	3.29 U	3.24 U	3.29 U	R	16.5 U
PCB-144	ng/kg	39.5	63	48.7	14.4	35.8	36.4	26.8
PCB-145	ng/kg	7.94 U	7.95 U	1.6 U	1.57 U	1.6 U	1.57 U	8 U
PCB-146	ng/kg	2,360	7,720 E	4,440 E	1,290 E	1,730 E	2,410 E	2,490
PCB-147/149	ng/kg	921	1,370	1,450 BE	441 B	757 B	872 B	17.5 U
PCB-148	ng/kg	70.9	197	118	30.8	54.1	57.5	68.2
PCB-150	ng/kg	7.45 U	7.46 U	4.54 J	1.9 J	3.5 J	1.47 U	7.5 U
PCB-152	ng/kg	6.95 U	6.96 U	1.4 U	1.37 U	1.4 U	1.37 U	7 U
PCB-153/168	ng/kg	17,800 BE	59,600 E	34,500 BE	8,170 BE	11,200 BE	14,300 BE	17,400 BE
PCB-154	ng/kg	576	1,620	914 E	223	387	434	522
PCB-155	ng/kg	164	441	296	90.3	111	102	113
PCB-156/157	ng/kg	1,600	4,390	2,680 E	836	1,100	1,150	1,540
PCB-158	ng/kg	1,340	3,970 E	2,450 E	627 E	905 E	1,160 E	1,350
PCB-159	ng/kg	10.3 J	22.6 J	6.68	1.37 U	3.44 J	2.98 J	7 U
PCB-160	ng/kg	31.3 U	31.3 U	6.28 U	6.18 U	6.28 U	6.18 U	31.5 U
PCB-161	ng/kg	6.45 U	11.6 J	1.3 U	1.27 U	1.3 U	1.27 U	6.5 U
PCB-162	ng/kg	6.45 U	268	R	55.9	R	84.4	88.9
PCB-164	ng/kg	7.45 U	85	121	44.1	83.3	89.8	7.5 U
PCB-165	ng/kg	15 J	44.4	27.2	11.8	15.2	23.3	20.4 J
PCB-167	ng/kg	645	1,890	1,150 E	343	464	470	655
PCB-169	ng/kg	7.45 U	7.46 U	1.5 U	1.47 U	1.59 J	1.47 U	7.5 U
PCB-170	ng/kg	1,560	4,280 E	2,450 E	692 E	926 E	795 E	1,180
PCB-171/173	ng/kg	639	2,050	1,170	306	2.99 U	R	594
PCB-172	ng/kg	405	1,380	635 E	201	298	260	355
PCB-174	ng/kg	7.45 U	133	146	R	100	75.8	7.5 U
PCB-175	ng/kg	97.1	339	223	58.3	83.5	90.2	105
PCB-176	ng/kg	19.3 J	25.2	24.5	8.87	13.4	10.7	7.33 J
PCB-177	ng/kg	412	916	R	273	R	R	415
PCB-178	ng/kg	793	2,610	1,570 E	472	771 E	802 E	928
PCB-179	ng/kg	57.9	36.9	54.4	28.5	39.8	27.5	18.1 J
PCB-180/193	ng/kg	6,850 E	21,800 E	12,000 E	3,050 BE	4,070 E	3,930 BE	6,120 E
PCB-181	ng/kg	32.1	92.8	R	R	R	R	23.4 J
PCB-182	ng/kg	32.3	89	51.7	14.9	21.6	14.5	28.3

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-CAR122	NB03CRB123 08/24/15 NB03CRB-CAR123	NB03CRB124 09/08/15 NB03CRB-CAR124	NB03CRB125 08/30/15 NB03CRB-CAR125	NB03CRB126 09/08/15 NB03CRB-CAR126	NB03CRB127 08/30/15 NB03CRB-CAR127	NB03CRB129 08/19/15 NB03CRB-CAR129
PCB-183/185	ng/kg	2,280	7,530 E	4,150 E	1,060	1,310 E	1,520 E	2,230
PCB-184	ng/kg	25	74.6	33.1	10.6	13.8	13.7	18 J
PCB-186	ng/kg	7.45 U	7.46 U	1.5 U	1.47 U	1.5 U	1.47 U	7.5 U
PCB-187	ng/kg	4,650 E	13,900 E	9,520 E	2,400 E	3,400 E	3,550 E	4,470 E
PCB-188	ng/kg	36.9	96.6	85.2	1.47 U	34.9	1.47 U	32.5
PCB-189	ng/kg	97	315	172	45.9	64.6	60.4	89.9
PCB-190	ng/kg	442	1,320	801 E	209	274	261	385
PCB-191	ng/kg	102	298	190	51.6	67	67.7	95.1
PCB-192	ng/kg	6.45 U	7.7 J	1.3 U	1.27 U	1.3 U	1.27 U	6.5 U
PCB-194	ng/kg	780	2,690	1,450 E	342	520	402	606
PCB-195	ng/kg	200	609	327	84.1	121	90.4	141
PCB-196	ng/kg	660	2,440	1,230 E	282	467	297	578
PCB-197/200	ng/kg	87.2	268	129	32.9	50.7	48	67.6
PCB-198/199	ng/kg	1,540	5,490	2,750 E	743	1,250	939	1,490
PCB-201	ng/kg	219	798	408	1.96 U	161	160	211
PCB-202	ng/kg	459	1,530	1,060 E	345	488	555	576
PCB-203	ng/kg	788	2,930	1,420 E	333	512	312	613
PCB-204	ng/kg	10.4 U	13.8 J	4.41 J	2.06 U	2.09 U	2.06 U	10.5 U
PCB-205	ng/kg	17.9 J	38.5	20.8	8.19	10.6	7.14	9.77 J
PCB-206	ng/kg	536	1,410	1,040 E	318	460	328	379
PCB-207	ng/kg	92.7	272	150	42.9	71.4	52.2	68
PCB-208	ng/kg	306	806	563	194	289	237	249
PCB-209	ng/kg	395	857	791	298	393	272	309
Total PCB Congeners (209)	ng/kg	194,000 J	477,000 J	300,000 J	104,000 J	138,000 J	134,000 J	153,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.2 U	35 U	72 U	7.2 U	36 U	7 U	7.2 U
Aroclor-1221	ug/kg	9.2 U	45 U	92 U	9.1 U	46 U	9 U	9.1 U
Aroclor-1232	ug/kg	16 U	78 U	160 U	16 U	80 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	32 U	66 U	6.6 U	33 U	6.4 U	6.6 U
Aroclor-1248	ug/kg	6.6 U	32 U	66 U	6.6 U	33 U	6.4 U	6.6 U
Aroclor-1254	ug/kg	6.6 U	32 U	66 U	6.6 U	33 U	6.4 U	6.6 U
Aroclor-1260	ug/kg	9.8 U	48 U	98 U	9.7 U	49 U	9.5 U	9.7 U
Aroclor-1262	ug/kg	6.6 U	48 J	66 U	12 J	33 U	6.4 U	35
Aroclor-1268	ug/kg	6.6 U	32 U	66 U	6.6 U	33 U	6.4 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	78 U	160 U	16 U	80 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	48 J	160 U	12 J	80 U	16 U	35
Pesticides								
2,4'-DDD	pg/g	116 JD	31.2 J	137	116 J	284	83.1	147 DJ
2,4'-DDE	pg/g	128 JD	59.9 B	170	136	351 J	123	199 DJ
2,4'-DDT	pg/g	10.8 UD	14.9 J	10.8 U	31.5 J	10.8 U	14.3 J	174 D
4,4'-DDD	pg/g	8,610 D	6,350	19,000	7,700	12,300	7,490	25,100 D
4,4'-DDE	pg/g	31,000 BD	33,500 BD	66,200 BD	32,400 BDJ	51,200 BD	28,200 BD	56,800 BD
4,4'-DDT	pg/g	98 JD	141	187 B	96.4 BJ	178 B	128 BJ	460 DJ
Aldrin	pg/g	9.16 UD	9.16 U	R	9.16 U	9.16 U	9.16 U	9.16 UD
Alpha-BHC	pg/g	6.4 UD	15.9 J	26 J	20.5 J	33.5 J	21.2 J	6.4 UD
Alpha-Chlordane	pg/g	757 DJ	1,640	4,640	1,750	1,290	2,180	493 DJ
Beta-BHC	pg/g	53.8 JD	63	62	32.6 J	37.3 J	29.5 J	11.1 UD
cis-Nonachlor	pg/g	2,970 D	3,400	4,340	1,630	1,940	1,270	1,660 D
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 UD

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB122	NB03CRB123	NB03CRB124	NB03CRB125	NB03CRB126	NB03CRB127	NB03CRB129
Date Homogenized:		08/19/15	08/24/15	09/08/15	08/30/15	09/08/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-CAR122	NB03CRB-CAR123	NB03CRB-CAR124	NB03CRB-CAR125	NB03CRB-CAR126	NB03CRB-CAR127	NB03CRB-CAR129
Dieldrin	pg/g	4,300 D	3,410	4,770	1,890	2,360	1,640	1,840 D
Endosulfan I	pg/g	57.4 UD	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 UD
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 UD
Endosulfan Sulfate	pg/g	63.3 UD	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 UD
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 UDJ	13.9 U	13.9 U	13.9 UD
Endrin Aldehyde	pg/g	131 UD	131 U	131 U	131 UJ	131 U	131 UJ	131 UD
Endrin Ketone	pg/g	76 UD	76 U	76 U	76 U	76 U	76 U	76 UD
Gamma-BHC (Lindane)	pg/g	7.69 UD	7.37 J	10.8 J	6.49 J	10.3 J	6.14 J	7.69 UD
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 UD	1.77 J	32.5 U	32.5 UD
Heptachlor Epoxide	pg/g	2,100 D	2,320	2,550	998	1,170	860	1,290 D
Hexachlorobenzene	pg/g	905 BD	1,650 B	762 B	403 B	729 B	391 B	479 BD
Methoxychlor	pg/g	38.9 UDJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UDJ
Mirex	pg/g	79 JD	123	130 J	69.9	98	71.5	79.3 JD
Nonachlor, trans-	pg/g	5,040 D	8,600	7,490	2,940	5,420	2,920	2,950 D
Oxychlordane	pg/g	8,150 D	9,780	11,000	5,260	4,420	4,080	5,990 D
trans-Chlordane	pg/g	13.7 UD	148	R	136	R	114	13.7 UD
trans-Heptachlor Epoxide	pg/g	743 D	872	1,050	372	496	431	758 D
Total Alpha + Gamma Chlordane	ppb	0.76 DJ	1.8	4.6 T	1.9	1.3 T	2.3	0.49 DJ
Total DDT (2,4)	ppb	0.24 DJ	0.11 BJ	0.31	0.28 J	0.64 J	0.22 J	0.52 DJ
Total DDT (4,4)	ppb	40 BDJ	40 BD	85 BD	40 BDJ	64 BD	36 BDJ	82 BDJ
Total DDT (2,4 & 4,4)	ppb	40 BDJ	40 BDJ	86 BD	40 BDJ	64 BDJ	36 BDJ	83 BDJ
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
1,2-Diphenylhydrazine	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
1-Methylnaphthalene	ug/kg	3.7 J	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
2,4,5-Trichlorophenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2,4,6-Trichlorophenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2,4-Dichlorophenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2,4-Dimethylphenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2,4-Dinitrophenol	ug/kg	1,200 U	6,000 U	6,000 UJ	5,900 U	5,900 UJ	6,000 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
2,6-Dinitrotoluene	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2-Chloronaphthalene	ug/kg	27 U	140 U	130 UJ	140 U	130 UJ	140 U	28 U
2-Chlorophenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2-Methylnaphthalene	ug/kg	4.2 J	2.6 U	2.7 U	2.7 J	2.6 U	3.5 J	2.6 U
2-Methylphenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2-Nitroaniline	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
2-Nitrophenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
3,3'-Dichlorobenzidine	ug/kg	390 U	2,000 U	2,000 U	2,000 U	2,000 U	2,000 U	400 U
3-Nitroaniline	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
4,6-Dinitro-2-methylphenol	ug/kg	650 U	3,300 U	3,300 U	3,300 U	3,300 U	3,300 U	670 U
4-Bromophenyl phenyl ether	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
4-Chloro-3-Methylphenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
4-Chloroaniline	ug/kg	130 U	670 U	670 U	660 U	660 U	660 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
4-Methylphenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	86 J
4-Nitroaniline	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-CAR122	NB03CRB123 08/24/15 NB03CRB-CAR123	NB03CRB124 09/08/15 NB03CRB-CAR124	NB03CRB125 08/30/15 NB03CRB-CAR125	NB03CRB126 09/08/15 NB03CRB-CAR126	NB03CRB127 08/30/15 NB03CRB-CAR127	NB03CRB129 08/19/15 NB03CRB-CAR129
4-Nitrophenol	ug/kg	650 U	3,300 U	3,300 U	3,300 U	3,300 U	3,300 U	670 U
Acenaphthene	ug/kg	14	5.3 J	3.2 J	4 J	6.7	5.4 J	7.8
Acenaphthylene	ug/kg	4.4 J	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Acetophenone	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
Anthracene	ug/kg	7	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Atrazine	ug/kg	130 U	670 U	670 U	660 U	660 U	660 U	130 U
Benzaldehyde	ug/kg	3,200	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
Benzidine	ug/kg	2,700 U	14,000 U	14,000 U	14,000 U	14,000 U	14,000 U	2,800 U
Benzo(a)anthracene	ug/kg	27	4.1 J	2.7 U	3.2 J	2.6 U	2.9 J	3.9 J
Benzo(a)pyrene	ug/kg	22	3.8 J	2.7 U	2.6 U	2.6 U	2.6 U	3.2 J
Benzo(b)fluoranthene	ug/kg	21	3.6 J	2.7 U	2.6 U	2.6 U	2.6 U	3.1 J
Benzo(e)pyrene	ug/kg	14	3 J	2.7 U	2.6 U	2.6 U	2.6 U	2.8 J
Benzo(g,h,i)perylene	ug/kg	13	4.6 J	2.7 U	2.6 U	2.6 U	2.6 U	2.9 J
Benzo(j,k)fluoranthene	ug/kg	17	3.3 J	2.7 U	2.6 U	2.6 U	2.6 U	3.2 J
Benzoic Acid	ug/kg	3,100 J	4,100 J	3,300 U	3,300 U	3,300 U	3,300 U	670 U
Biphenyl	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
bis(2-Chloroethoxy)methane	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
bis(2-Chloroethyl)ether	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
Butyl benzyl phthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
C1-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	3.2 J	2.7 U	4.7 J	2.6 U	6.9	9.1
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	2.6 U	2.7 U	3.6 J	2.6 U	3.3 J	5.8 J
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	130 U	670 U	670 U	660 U	660 U	660 U	130 U
Carbazole	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
Chrysene	ug/kg	18	3 J	2.7 U	2.8 J	2.6 U	2.6 U	3.6 J
Dibenzo(a,h)anthracene	ug/kg	3 J	3.2 J	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Dibenzofuran	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
Diethyl phthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
Dimethylphthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
Di-n-Butylphthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
Di-n-Octylphthalate	ug/kg	260 U	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	270 U
Fluoranthene	ug/kg	62	6 J	2.7 U	4.3 J	2.6 U	2.6 U	7.8
Fluorene	ug/kg	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRB122 08/19/15 NB03CRB-CAR122	NB03CRB123 08/24/15 NB03CRB-CAR123	NB03CRB124 09/08/15 NB03CRB-CAR124	NB03CRB125 08/30/15 NB03CRB-CAR125	NB03CRB126 09/08/15 NB03CRB-CAR126	NB03CRB127 08/30/15 NB03CRB-CAR127	NB03CRB129 08/19/15 NB03CRB-CAR129
Hexachlorobutadiene	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
Hexachlorocyclopentadiene	ug/kg	650 U	3,300 U	3,300 U	3,300 U	3,300 U	3,300 U	670 U
Hexachloroethane	ug/kg	130 U	670 U	670 U	660 U	660 U	660 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	18 J	5.2 J	2.7 U	2.6 U	2.6 U	2.6 U	2.6 UJ
Isophorone	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
Naphthalene	ug/kg	4.2 J	2.6 U	2.7 U	2.6 U	2.6 U	3 J	13
Nitrobenzene	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
N-Nitroso-di-n-propylamine	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
N-Nitrosodiphenylamine	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	67 U
Pentachlorophenol	ug/kg	130 U	670 U	670 U	660 U	660 U	660 U	130 U
Perylene	ug/kg	7.1	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U
Phenanthrene	ug/kg	17	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	3 J
Phenol	ug/kg	65 U	330 U	330 U	330 U	330 U	330 U	540
Pyrene	ug/kg	36	4.9 J	2.7 U	4.8 J	2.6 U	3.8 J	6.9
Pyridine	ug/kg	400 J	1,300 U	1,300 U	1,300 U	1,300 U	1,300 U	570 J
Total HMW PAHs	ppb	240 J	42 J	2.7 U	15 J	2.6 U	6.7 J	35 J
Total LMW PAHs	ppb	51 J	5.3 J	3.2 J	6.7 J	6.7	12 J	24 J
TOTAL PAHs	ppb	290 J	47 J	3.2 J	22 J	6.7	19 J	58 J
Physical Properties[1]								
Percent Moisture	%	80.8	80.6	78.2	81.2	79.2	79.9	81.1
Water Content ASTM D2216	%	422	416	358	431	382	397	429

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	0.95 JB	0.823 JB	1.78 JB	2.02 JB	1.86 JB	1.23 JB	0.997 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	1.04 JB	1.13 JB	10.2 B	12.1 B	1.16 JB	4.12 JB	4.67 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0524 JB	0.146 JB	0.0702 U	0.16 JBQ	0.127 JBQ	0.171 JBQ	0.0741 U
1,2,3,4,7,8-HxCDD	ng/kg	0.0737 JBQ	0.126 JB	0.45 JB	0.187 JBQ	0.147 JBQ	0.164 JBQ	0.178 JBQ
1,2,3,4,7,8-HxCDF	ng/kg	0.916 JB	0.846 JB	12.9 C	6.94 C	0.518 J	4.42 JB	4.88 B
1,2,3,6,7,8-HxCDD	ng/kg	0.288 JB	0.323 JB	1.27 J	0.729 JQ	0.432 J	0.621 JB	0.64 JBQ
1,2,3,6,7,8-HxCDF	ng/kg	0.329 JB	0.421 JB	3.69 JB	2.06 JB	0.334 JB	1.39 JB	1.5 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.133 JB	0.128 JB	0.441 J	0.305 J	0.151 JQ	0.221 JBQ	0.217 JBQ
1,2,3,7,8,9-HxCDF	ng/kg	0.1 JBQ	0.15 JBQ	0.0949 JBQ	0.178 JBQ	0.122 JB	0.141 JB	0.0765 U
1,2,3,7,8-PeCDD	ng/kg	0.0341 U	0.553 JBQ	1.75 JQ	0.921 JQ	0.51 JQ	0.8 JQ	0.807 JBQ
1,2,3,7,8-PeCDF	ng/kg	0.819 JB	0.909 JB	4.21 JB	2.02 JB	0.724 JB	2.03 JB	2.01 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.16 JB	0.15 JBQ	0.898 J	0.572 J	0.164 J	0.465 JBQ	0.35 JB
2,3,4,7,8-PeCDF	ng/kg	1.64 JB	1.79 JB	10.6 BC	4.42 JB	0.896 JB	4.83 JB	5.05 BC
2,3,7,8-TCDD	ng/kg	9.47	11.8	56.1	30.3	3.37	23	22
2,3,7,8-TCDF	ng/kg	4.98 C	5.41 BC	18.4 C	7.9 C	3.4 C	8.58 C	8.64 BC
OCDD	ng/kg	6.2 JB	3.89 JB	4.73 JB	12.2 B	12.6 B	5.41 JB	5.21 JB
OCDF	ng/kg	0.589 JB	0.471 JB	1.32 JB	3.05 JB	0.621 JBQ	0.579 JB	0.52 JBQ
Percent Lipid	%	1.2	0.79	4.6	1.1	3.9	2.1	2.5
Metals								
Aluminum	mg/kg	42.9	26.8	40.5	136	57	48.8	32.4
Antimony	mg/kg	0.0641 U	0.0653 U	0.0635 U	0.0629 U	0.0653 U	0.066 U	0.0641 U
Arsenic	mg/kg	1.5	1.68	2.25	1.84	1.68	1.92	1.86
Barium	mg/kg	2.8	1.44	3.3	4.71	3.3	3.66	2.36
Beryllium	mg/kg	0.0138 U	0.0141 U	0.0137 U	0.0135 U	0.0141 U	0.0142 U	0.0138 U
Cadmium	mg/kg	0.217	0.235	0.637	0.191	0.108	0.219	0.252
Calcium	mg/kg	2,530	3,340	4,300	3,950	4,500	5,850	3,750
Chromium	mg/kg	0.363 B	0.247 B	0.326 B	0.723	0.641	0.383 B	0.233 B
Cobalt	mg/kg	0.0672 B	0.0737 B	0.189	0.175	0.106	0.12	0.11
Copper	mg/kg	29.4	22.5	53	31.9	27.1	38.9	35.4
Iron	mg/kg	207	180	170	337	352	181	130
Lead	mg/kg	1.95	1.56	1.1	1.96	3.17	0.993	0.897
Magnesium	mg/kg	656	558	791	702	704	874	718
Manganese	mg/kg	21.8	13.8	27.8	28.2	11.4	35.3	24.6
Mercury	ng/g	42.7	30	43.7	50.1	18.7	44.9	50.6
Methyl Mercury	ng/g	20.3	23	32	31.2	6.2	19.1	41.3
Nickel	mg/kg	0.354 B	0.252 B	0.375 B	0.451	0.483	0.3 B	0.265 B
Potassium	mg/kg	1,630	1,770	2,610	1,950	1,670	2,660	2,160
Selenium	mg/kg	0.791	0.737	1.28	0.858	0.651	1.26	1.07
Silver	mg/kg	0.637	0.572	1.83	0.843	0.229	1	1.12
Sodium	mg/kg	5,390	4,700	5,430	5,410	5,570	6,310	5,370
Thallium	mg/kg	0.0291 U	0.0297 U	0.0288 U	0.0286 U	0.0297 U	0.03 U	0.0291 U
Titanium	mg/kg	0.165 U	1.16 B	1.47 B	5.38	2.13	1.22 B	1.02 B
Vanadium	mg/kg	0.296	0.325	0.246	0.596	0.52	0.302	0.237
Zinc	mg/kg	24.8	22.4	44	28.2	26.1	33.4	31.5
Butyltins								
Dibutyltin	ug/kg	1.3 U	2.5	1.3 U	1.3 UJ	4.1 J	1.3 UJ	1.3 U
Monobutyltin	ug/kg	21 UCN	21 UCN	20 UCN	20 UJCN	20 UJCN	21 UJCN	21 UCN
Tetrabutyltin	ug/kg	1.7 U	1.7 U	1.7 U	1.7 UJ	1.6 UJ	1.7 UJ	1.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
Tributyltin	ug/kg	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 UJ	1.5 UJ	1.5 U
PCB Congeners								
PCB-1	ng/kg	0.978 U	9.71	4.92 U	5.56 J	6.08 J	0.988 U	4.93 U
PCB-2	ng/kg	0.685 U	0.696 U	3.44 U	3.46 U	3.43 U	1.77 J	3.45 U
PCB-3	ng/kg	5.36	2.35 J	5.41 U	R	R	1.09 U	5.42 U
PCB-4	ng/kg	1.27 U	29.3 B	19.5 J	44.7	6.38 U	1.28 U	18.8 JB
PCB-5	ng/kg	0.783 U	0.795 U	3.94 U	3.96 U	3.93 U	0.791 U	3.94 U
PCB-6	ng/kg	17.8 B	18.4 B	15.2	25.7	3.43 U	0.692 U	11.6 B
PCB-7	ng/kg	0.783 U	1.25 J	3.94 U	3.96 U	3.93 U	0.791 U	3.94 U
PCB-8	ng/kg	75.2 B	72.3 B	7.38 U	7.42 U	7.36 U	51.7	48.1 B
PCB-9	ng/kg	1.98	0.696 U	3.44 U	3.46 U	3.43 U	2.12	3.45 U
PCB-10	ng/kg	1.51 J	1.29 U	6.4 U	6.43 U	6.38 U	1.28 U	6.41 U
PCB-11	ng/kg	180	180 B	173 B	241 B	92.8 B	153 B	145 B
PCB-12/13	ng/kg	70.6	52	59.8	97.3	31.9	36.6	34.2
PCB-14	ng/kg	0.783 U	0.795 U	3.94 U	3.96 U	3.93 U	0.791 U	3.94 U
PCB-15	ng/kg	2,250 BE	1,230 E	2,340 E	2,060 E	876	1,370 BE	1,360
PCB-16	ng/kg	0.881 U	27.3 B	15.7	24.5	18.6	0.889 U	14.9 B
PCB-17	ng/kg	49.8	81.1 B	73.8	76.2	29.1	70.9 B	59 B
PCB-18/30	ng/kg	103	159 B	99.3	125	7.85 U	161 B	80.9 B
PCB-19	ng/kg	6.91	8.29	6.57 J	18.9	7.5 J	7.51	6.57 J
PCB-20/28	ng/kg	33,200 BE	21,900 BE	63,100 BE	55,200 BE	8,560 BE	29,100 BE	24,500 BE
PCB-21/33	ng/kg	194 B	172	155	179	67.6	105	120
PCB-22	ng/kg	462 BE	447 E	225	329	126	225 B	315
PCB-23	ng/kg	0.685 U	0.696 U	3.44 U	3.46 U	3.43 U	0.692 U	3.45 U
PCB-24	ng/kg	0.978 U	0.994 U	4.92 U	4.95 U	4.91 U	0.988 U	4.93 U
PCB-25	ng/kg	98.1	122	147	243	34.5	104	154
PCB-26/29	ng/kg	119 B	170	127	153	43.4	167	100
PCB-27	ng/kg	19.7	43.2	21.6	23.8	11.1	30.9	22.9
PCB-31	ng/kg	522 BE	726 BE	735	912	182	785 BE	845 B
PCB-32	ng/kg	106 B	162 B	133	174	43.5	144 B	117 B
PCB-34	ng/kg	11.9	13.2	32	37.3	3.43 U	17.4	18.8
PCB-35	ng/kg	27	24	24	30.5	9.26 J	15	13.6
PCB-36	ng/kg	4.82	5.91	9.34 J	13.5	3.93 U	6.33	8.26 J
PCB-37	ng/kg	4,260 BE	2,600 E	6,030 E	5,220 E	1,380	2,920 E	2,620 E
PCB-38	ng/kg	4.3	0.696 U	46.9	3.46 U	3.43 U	0.692 U	13.1
PCB-39	ng/kg	19.5	20.9	116	157	6.96 J	44.3	58.8
PCB-40/71	ng/kg	522	639	786	888	155	631	585
PCB-41	ng/kg	8.7 J	12	20.7 U	20.8 U	20.6 U	8.69 J	20.7 U
PCB-42	ng/kg	97.8	183	203	332	41.5	217	266
PCB-43	ng/kg	36.6	48.4	42.7	47.7	13.3 J	32.5	24.8
PCB-44/47/65	ng/kg	5,570 BE	7,280 E	38,200 E	52,200 E	3,240	16,800 BE	15,100 E
PCB-45	ng/kg	2.15 U	12.1	10.8 U	10.9 U	10.8 U	10.2	10.8 U
PCB-46	ng/kg	6.69	9.15	5.74 J	9.59 J	5.03 J	0.988 U	6.17 J
PCB-48	ng/kg	52.1	67	64.5	90.9	21.8 J	65	52.9
PCB-49/69	ng/kg	216 B	439	394	505	113	721	470
PCB-50/53	ng/kg	29.3	54.5	29.2 J	51.9	17.7 J	68.9	12.3 U
PCB-51	ng/kg	13.7	27.1	32	71.4	10.8 U	30.2	20.1 J
PCB-52	ng/kg	333	652 E	363	458	169	1,050 BE	353
PCB-54	ng/kg	1.37 U	1.39 U	6.89 U	6.92 U	6.87 U	1.38 U	6.9 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
PCB-55	ng/kg	37.5	32.6	39.9	5.93 U	5.89 U	47.5	63
PCB-56	ng/kg	655 E	623 E	409	732	166	415	608
PCB-57	ng/kg	15.4	13.7	14.6 J	19.8 J	5.4 U	17.3	15 J
PCB-58	ng/kg	10.1	10.1	31.7	41.7	6.87 U	12.6	62.5
PCB-60	ng/kg	5,170 BE	4,130 E	9,070 E	9,420 E	2,240	4,840 E	4,330 E
PCB-61/70/74/76	ng/kg	14,500 BE	14,300 E	52,800 E	64,600 E	6,130	24,100 E	18,900 E
PCB-62/75	ng/kg	545	608	3,050	4,010	286	1,440	1,300
PCB-63	ng/kg	160	248	679	1,120	51.5	306	485
PCB-64	ng/kg	264 B	413	459	667	98.2	528	639
PCB-66	ng/kg	33,900 BE	19,200 BE	101,000 BE	105,000 BE	11,000 BE	41,800 BE	35,100 BE
PCB-67	ng/kg	37	35.6	130	5.93 U	17.5 J	64.6	76.3
PCB-68	ng/kg	70.5	70.6	388	687	29.9	184	281
PCB-72	ng/kg	42.6	53.8	107	179	13.3 J	79.1	80.1
PCB-73	ng/kg	6.61	1.39 U	21.7 J	43.1	6.87 U	14.1	36.2
PCB-77	ng/kg	R	2,090 E	5,240 E	R	R	2,470 E	2,150
PCB-78	ng/kg	1.57 U	1.59 U	7.87 U	7.91 U	7.85 U	1.58 U	7.89 U
PCB-79	ng/kg	29.8	37.2	179	276	22.5 J	73.9	85.8
PCB-80	ng/kg	2.02 J	1.09 U	10.8 J	19.6 J	5.4 U	1.09 U	5.74 J
PCB-81	ng/kg	75.4	67	183	229	38.2	72.3	64.9
PCB-82	ng/kg	23.5	40.7	33	18.2 J	16.5 J	54.2	47.1
PCB-83	ng/kg	14.7	41.6	14.3 U	15.1 J	14.2 U	2.87 U	14.3 U
PCB-84	ng/kg	40	52.3	67.4	92.7	29.5	75.9	49
PCB-85/116/117	ng/kg	1,880 E	2,680 E	11,900 E	16,100 E	1,960	4,540 E	4,800
PCB-86/87/97/109/119/125	ng/kg	696	1,150	4,190	6,820	681	2,190	2,140
PCB-88	ng/kg	2.15 U	2.19 U	10.8 U	280	10.8 U	2.17 U	10.8 U
PCB-89	ng/kg	1.27 U	4.81 J	6.4 U	6.43 U	6.38 U	5.59	6.41 U
PCB-90/101/113	ng/kg	525 B	945	1,870	2,720	332	1,710 B	1,490
PCB-91	ng/kg	64.1	120	196	298	37.8	206	134
PCB-92	ng/kg	133	255	202	232	72	368	191
PCB-93/100	ng/kg	222	346	2,160	4,000	224	944	871
PCB-94	ng/kg	15.8	25.5	50	86	7.73 J	29.6	34.5
PCB-95	ng/kg	229	328	368	556	155	R	297
PCB-96	ng/kg	1.47 U	1.49 U	7.38 U	7.42 U	7.36 U	1.48 U	7.4 U
PCB-98/102	ng/kg	20.4	30.1	48.2 J	75.3 J	37.8 U	33.7	38 U
PCB-99	ng/kg	6,810 BE	10,200 E	52,500 E	71,300 E	7,660 E	20,500 BE	20,500 E
PCB-103	ng/kg	4.36 J	8.35	10.4 J	17.6 J	5.4 U	19	14.5 J
PCB-104	ng/kg	1.37 U	1.39 U	6.89 U	6.92 U	6.87 U	1.38 U	6.9 U
PCB-105	ng/kg	8,800 BE	7,200 E	23,400 E	28,700 E	7,790 E	9,310 BE	8,740 E
PCB-106	ng/kg	1.66 U	1.69 U	8.37 U	8.41 U	8.34 U	1.68 U	8.38 U
PCB-107	ng/kg	746 E	1,130 E	3,730 E	6,260 E	620	1,710 E	1,910
PCB-108/124	ng/kg	48	70.3	90.2	137	20.3 J	80.4	72.9
PCB-110/115	ng/kg	862 B	1,540 E	2,940	3,710	722	2,010 E	1,850
PCB-111	ng/kg	17.1	28.3	83.9	114	15 J	42.5	47.4
PCB-112	ng/kg	1.37 U	6.11	6.89 U	75.6	9.4 J	1.38 U	6.9 U
PCB-114	ng/kg	431	465	1,680	2,550	412	689 E	589
PCB-118	ng/kg	19,700 BE	21,300 BE	103,000 E	130,000 E	19,200 E	34,300 BE	30,100 BE
PCB-120	ng/kg	66.4	109	536	709	60.1	201	211
PCB-121	ng/kg	6.47	11.7	54.8	92.8	6.09 J	23.6	24.1 J
PCB-122	ng/kg	1.17 U	1.19 U	39.2	5.93 U	5.89 U	1.19 U	22.5 J

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
PCB-123	ng/kg	448	414	1,570	2,160	351	635 E	597
PCB-126	ng/kg	69	67	183	272	47.3	85.5	79.3
PCB-127	ng/kg	9.97	16.4	99.2	142	24 J	26	32.4
PCB-128/166	ng/kg	974	1,500 E	7,070 E	10,700 E	2,030	2,500 E	2,380
PCB-129/138/163	ng/kg	7,360 BE	13,100 E	68,000 E	81,200 E	13,300 E	19,300 BE	20,300 E
PCB-130	ng/kg	133	290	828	1,150	111	316	459
PCB-131	ng/kg	6.36	13.6	27.8	48.5	8.34 U	17.1	13.5 J
PCB-132	ng/kg	41.8	75.6	64.1	83.2	64.1	178	96.2
PCB-133	ng/kg	201	387	1,130	2,070	315	649 E	628
PCB-134	ng/kg	8.42 J	21.3	19.8 J	26.8 J	16.2 U	31.8	20.9 J
PCB-135/151	ng/kg	114	268	290	356	117	383	240
PCB-136	ng/kg	14.6	20.5	24.4 J	38.3	7.85 U	36.6	27.2
PCB-137	ng/kg	393	760 E	3,030 E	4,710 E	930	1,130 E	1,090
PCB-139/140	ng/kg	143	292	1,160	1,980	283	442	450
PCB-141	ng/kg	73	107	164	220	77.1	197	137
PCB-142	ng/kg	1.66 U	1.69 U	8.37 U	8.41 U	8.34 U	1.68 U	8.38 U
PCB-143	ng/kg	3.23 U	3.28 U	16.2 U	16.3 U	16.2 U	3.26 U	16.3 U
PCB-144	ng/kg	20.9	41.8	81.6	109	21.1 J	51.9	35.2
PCB-145	ng/kg	1.57 U	1.59 U	7.87 U	7.91 U	7.85 U	1.58 U	7.89 U
PCB-146	ng/kg	R	2,690 E	10,200 E	R	R	R	4,520 E
PCB-147/149	ng/kg	435 B	1,010	2,160	3,100	426	1,310 BE	1,320
PCB-148	ng/kg	29.9	66	255	415	37.2	92.3	100
PCB-150	ng/kg	1.47 U	1.63 J	7.38 U	7.42 U	7.36 U	4.17 J	7.4 U
PCB-152	ng/kg	1.37 U	1.39 U	6.89 U	6.92 U	6.87 U	1.38 U	6.9 U
PCB-153/168	ng/kg	9,150 BE	17,900 BE	109,000 E	123,000 E	14,600 E	29,300 BE	27,200 BE
PCB-154	ng/kg	237	499	2,410	3,650 E	323	776 E	833
PCB-155	ng/kg	63.4	112	795	1,390	38.4	294	250
PCB-156/157	ng/kg	1,340 E	1,630 E	5,990 E	11,300 E	2,100	2,620 E	2,400
PCB-158	ng/kg	817 E	1,570 E	5,610 E	9,150 E	1,710	2,040 E	1,990
PCB-159	ng/kg	3.54 J	6.18	27.1	49.1	6.87 U	13.2	10.5 J
PCB-160	ng/kg	6.16 U	6.26 U	31 U	31.2 U	30.9 U	6.23 U	31.1 U
PCB-161	ng/kg	1.27 U	1.53 J	6.4 U	R	R	1.28 U	6.41 U
PCB-162	ng/kg	64.5	97.5	337	531	81.9	141	195
PCB-164	ng/kg	34.3	76.3	127	164	29.4	77.3	104
PCB-165	ng/kg	R	18.2	46.9	R	R	R	R
PCB-167	ng/kg	519	680 E	2,530	4,530 E	737	1,050 E	977
PCB-169	ng/kg	1.47 U	1.64 J	7.38 U	8.95 J	7.36 U	1.48 U	7.4 U
PCB-170	ng/kg	752 E	1,010 E	7,170 E	12,900 E	1,620	2,850 E	2,610
PCB-171/173	ng/kg	R	622	2,920	R	R	R	R
PCB-172	ng/kg	162	321	1,640	3,510 E	336	683 E	734
PCB-174	ng/kg	45.9	81.2	147	R	R	R	148
PCB-175	ng/kg	48.1	115	446	R	R	174	177
PCB-176	ng/kg	8.26	16.1	34	52.5	10.4 J	25.3	22.7 J
PCB-177	ng/kg	235	490	1,720	R	R	R	R
PCB-178	ng/kg	365	855 E	2,880	R	R	1,330 E	1,260
PCB-179	ng/kg	16.3	35.3	38.2	52.8	28.6	83.9	54.1
PCB-180/193	ng/kg	3,230 BE	6,080 E	30,300 E	59,600 E	5,040	11,600 BE	11,000 E
PCB-181	ng/kg	12.1	23.7	130	R	R	R	R
PCB-182	ng/kg	11.6	23.8	121	R	R	R	R

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
PCB-183/185	ng/kg	1,130	2,240 E	9,780 E	R	R	3,450 E	3,490
PCB-184	ng/kg	7.91	18.7	96.5	179	6.87 U	35.1	39.2
PCB-186	ng/kg	1.47 U	1.49 U	7.38 U	7.42 U	7.36 U	1.48 U	7.4 U
PCB-187	ng/kg	2,230 BE	4,580 BE	20,800 E	R	R	7,350 E	R
PCB-188	ng/kg	18.6	36.4	145	221	18.2 J	1.48 U	66.8
PCB-189	ng/kg	62.5	92.8	429	844	95.9	166	157
PCB-190	ng/kg	227	330	1,140	2,740	253	782 E	627
PCB-191	ng/kg	55.7	106	429	895	113	178	163
PCB-192	ng/kg	1.27 U	1.29 U	8.52 J	6.43 U	6.38 U	1.28 U	6.41 U
PCB-194	ng/kg	301	513	3,570	7,280 E	610	1,460 E	1,330
PCB-195	ng/kg	92.1	158	1,010	1,600	220	368	349
PCB-196	ng/kg	281	610	2,690	5,120 E	374	1,060 E	961
PCB-197/200	ng/kg	34.2	79.3	331	566	54.7	117	124
PCB-198/199	ng/kg	575	1,340	5,700	11,300 E	762	2,590 E	2,600
PCB-201	ng/kg	96.5	251	1,030	1,610	132	351	394
PCB-202	ng/kg	254	507	2,020	3,040	263	988 E	967
PCB-203	ng/kg	343	569	3,910	5,950 E	374	1,320 E	1,120
PCB-204	ng/kg	2.05 U	2.81 J	15.2 J	28.7	10.3 U	6.03	10.4 U
PCB-205	ng/kg	8.32	9.42	81.2	135	22.7 J	28.7	29.1
PCB-206	ng/kg	239	376	2,370	3,220	296	1,080 E	819
PCB-207	ng/kg	31.2	67.3	365	546	9.32 U	159	133
PCB-208	ng/kg	119	196	1,290	1,770	140	608	490
PCB-209	ng/kg	193	278	1,490	2,030	187	816	622
Total PCB Congeners (209)	ng/kg	179,000 J	193,000 J	826,000 J	970,000 J	124,000 J	314,000 J	283,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.2 U	7.2 U	36 U	36 U	7.2 U	7 U	7.2 U
Aroclor-1221	ug/kg	9.1 U	9.2 U	46 U	46 U	9.2 U	9 U	9.2 U
Aroclor-1232	ug/kg	16 U	16 U	80 U	80 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.6 U	33 U	33 U	6.6 U	6.4 U	6.6 U
Aroclor-1248	ug/kg	6.6 U	6.6 U	33 U	33 U	6.6 U	6.4 U	6.6 U
Aroclor-1254	ug/kg	6.6 U	6.6 U	33 U	33 U	6.6 U	6.4 U	6.6 U
Aroclor-1260	ug/kg	9.7 U	9.8 U	49 U	49 U	9.8 U	9.5 U	9.8 U
Aroclor-1262	ug/kg	6.6 U	6.6 U	76 JP	57 J	18 J	22 J	34 J
Aroclor-1268	ug/kg	6.6 U	6.6 U	33 U	33 U	6.6 U	6.4 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	16 U	80 U	80 U	16 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	16 U	76 PJ	57 J	18 J	22 J	34 J
Pesticides								
2,4'-DDD	pg/g	63.2	71.5	69.4	101	198	134	94.5
2,4'-DDE	pg/g	426	427 B	138 B	115 B	161 B	131	111 B
2,4'-DDT	pg/g	49	70.4	65.8	36.3	66.9	40.3	59.4
4,4'-DDD	pg/g	17,600	12,500 B	32,500 DJ	22,300 D	49,800 JD	9,500	9,900 B
4,4'-DDE	pg/g	68,100 BD	50,500 BD	125,000 BD	63,400 BD	71,300 BD	45,700 BD	44,500 BD
4,4'-DDT	pg/g	550 B	2,750 B	6,700	79.9	350	314 B	201 B
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U
Alpha-BHC	pg/g	20.9 J	17.9 J	51.7	31.5	12 J	27.7 J	31.2 J
Alpha-Chlordane	pg/g	1,240	581	3,620	1,820	758	3,470	1,020
Beta-BHC	pg/g	55.5 J	27.1 J	164	85.7	28.3 J	66.7	69.3
cis-Nonachlor	pg/g	1,080 J	1,660	10,000	4,520	661	3,560	3,350
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	4.47 J	R	5.08 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
Dieldrin	pg/g	1,170	1,700	13,500	5,600	934	4,780	4,050
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 UJ	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 U	131 U	131 U	131 U	R	131 UJ	131 U
Endrin Ketone	pg/g	76 U	76 U	76 U	76 U	76 U	76 U	76 U
Gamma-BHC (Lindane)	pg/g	7.69 U	6.85 J	20.6 J	11.7 J	5.83 J	7.69 U	7.69 U
Heptachlor	pg/g	32.5 UJ	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	787	997	6,730	2,960	487	2,050	2,170
Hexachlorobenzene	pg/g	697 B	603 B	2,470 B	1,340 B	319 B	810 B	763 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	R	38.9 UJ	38.9 JU	38.9 UJ	38.9 UJ
Mirex	pg/g	48.5	82.1 J	310 J	149 J	40.2 J	124	100
Nonachlor, trans-	pg/g	2,650	3,200	18,800	8,950	1,300 J	5,330	5,880
Oxychlordane	pg/g	3,110	5,470	40,300 D	12,500	2,340	10,100	9,520
trans-Chlordane	pg/g	13.7 U	13.7 U	469	274	13.7 U	263	13.7 U
trans-Heptachlor Epoxide	pg/g	398	621	1,820	900	224	663	620
Total Alpha + Gamma Chlordane	ppb	1.2	0.58	4.1	2.1	0.76	3.7	1
Total DDT (2,4)	ppb	0.54	0.57 B	0.27 B	0.25 B	0.43 B	0.31	0.26 B
Total DDT (4,4)	ppb	86 BD	66 BD	160 BDJ	86 BD	120 BDJ	56 BD	55 BD
Total DDT (2,4 & 4,4)	ppb	87 BD	66 BD	160 BDJ	86 BD	120 BDJ	56 BD	55 BD
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
1,2-Diphenylhydrazine	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
1-Methylnaphthalene	ug/kg	2.6 U	2.7 U	4.8 J	2.6 U	2.6 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
2,4,5-Trichlorophenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2,4,6-Trichlorophenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2,4-Dichlorophenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2,4-Dimethylphenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2,4-Dinitrophenol	ug/kg	5,900 U	1,200 U	1,200 U	6,000 U	6,000 U	5,800 U	12,000 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
2,6-Dinitrotoluene	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2-Chloronaphthalene	ug/kg	130 UJ	28 U	28 U	140 U	140 U	140 U	280 U
2-Chlorophenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2-Methylnaphthalene	ug/kg	2.6 U	2.7 U	6.8	2.6 U	2.6 U	2.6 U	2.6 U
2-Methylphenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2-Nitroaniline	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
2-Nitrophenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	390 U	400 U	2,000 U	2,000 U	1,900 U	4,000 U
3-Nitroaniline	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	660 U	670 U	3,300 U	3,300 U	3,200 U	6,600 U
4-Bromophenyl phenyl ether	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
4-Chloro-3-Methylphenol	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
4-Chloroaniline	ug/kg	650 U	130 U	130 U	670 U	670 U	650 U	1,300 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
4-Methylphenol	ug/kg	330 U	79 J	67 U	330 U	330 U	320 U	660 U
4-Nitroaniline	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
4-Nitrophenol	ug/kg	3,300 U	660 U	670 U	3,300 U	3,300 U	3,200 U	6,600 U
Acenaphthene	ug/kg	6.7	5.1 J	15	11	2.8 J	8.9	9.1
Acenaphthylene	ug/kg	2.6 U	2.7 U	2.8 J	2.6 U	2.6 U	4.1 J	2.6 U
Acetophenone	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 UJ
Anthracene	ug/kg	2.6 U	2.7 U	5.7 J	2.6 U	2.6 U	2.7 J	2.6 U
Atrazine	ug/kg	650 U	130 U	130 U	670 U	670 U	650 U	1,300 U
Benzaldehyde	ug/kg	1,300 UJ	450 J	2,000	1,300 U	1,400 J	1,300 J	2,600 U
Benzidine	ug/kg	14,000 U	2,800 U	2,800 U	14,000 U	14,000 U	14,000 U	28,000 U
Benzo(a)anthracene	ug/kg	2.6 J	3.4 J	12	5.4 J	2.6 U	7 J+	11
Benzo(a)pyrene	ug/kg	2.6 U	3.6 J	7.6	3.8 J	2.6 U	4.3 J+	6.2 J
Benzo(b)fluoranthene	ug/kg	2.6 U	3.3 J	7.7	3.7 J	2.6 U	4.5 J+	10
Benzo(e)pyrene	ug/kg	2.6 U	3.1 J	7.1	2.7 J	2.6 U	3 J	3 J
Benzo(g,h,i)perylene	ug/kg	2.6 UJ	2.7 J	4.4 J	3.5 J	2.6 U	3.4 J+	10 J
Benzo(j,k)fluoranthene	ug/kg	2.6 U	3.3 J	7.4	4 J	2.6 U	4.7 J+	8.8
Benzoic Acid	ug/kg	3,300 U	660 U	670 UJ	15,000 J	3,300 UJ	3,200 U	6,600 U
Biphenyl	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
bis(2-Chloroethyl)ether	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
C1-Chrysenes	ug/kg	2.7 J	2.9 J	7.4	3.2 J	2.6 U	2.6 U	2.6 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	42	15	2.6 U	2.6 U	2.6 U
C1-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	3.9 J	2.9 J	12	6.5 J	5.2 J	5.5 J	3.8 J
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	2.7 U	2.6 U	3.5 J	2.6 U	2.6 U	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.7 U	7.2	2.6 U	2.6 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	650 U	130 U	130 U	670 U	670 U	650 U	1,300 U
Carbazole	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
Chrysene	ug/kg	3 J	4 J	9.6	4.7 J	2.6 U	6.1 J+	12
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.6 U	9.9 J
Dibenzofuran	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
Diethyl phthalate	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
Dimethylphthalate	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	270 U	1,300 U	1,300 U	1,300 U	2,600 U
Fluoranthene	ug/kg	4.5 J	3.5 J	33	11	2.7 J	12 J+	6.9
Fluorene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.6 U	2.8 J	2.6 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRB130	NB03CRB131	NB03CRB132	NB03CRB133	NB03CRB134	NB03CRBCEN	NB03CRBCEN
Date Homogenized:		09/01/15	08/26/15	08/24/15	08/24/15	08/24/15	08/30/15	08/26/15
Sample Name:	Units	NB03CRB-CAR130	NB03CRB-CAR131	NB03CRB-CAR132	NB03CRB-CAR133	NB03CRB-CAR134	NB03CRB-CAR-C001	NB03CRB-CAR-C002
Hexachlorobutadiene	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	660 U	670 U	3,300 U	3,300 U	3,200 U	6,600 U
Hexachloroethane	ug/kg	650 U	130 U	130 U	670 U	670 U	650 U	1,300 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 UJ	3.6 J	5.5 J	4.1 J	2.6 U	4.3 J+	13
Isophorone	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
Naphthalene	ug/kg	2.6 U	2.7 U	3.6 J	2.6 U	2.6 U	2.6 U	2.6 U
Nitrobenzene	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 UJ
N-Nitroso-di-n-propylamine	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 UJ
N-Nitrosodiphenylamine	ug/kg	330 U	66 U	67 U	330 U	330 U	320 U	660 U
Pentachlorophenol	ug/kg	650 U	130 U	130 U	670 U	670 U	650 U	1,300 U
Perylene	ug/kg	2.6 U	2.7 U	3.7 J	2.6 U	2.6 U	2.6 U	2.6 U
Phenanthrene	ug/kg	2.6 U	2.7 U	17	5.6 J	2.6 U	5 J	3 J
Phenol	ug/kg	330 U	240	67 U	330 U	670	320 U	660 UJ
Pyrene	ug/kg	5.9 J	4.8 J	22	8	2.8 J	9 J+	6.4 J
Pyridine	ug/kg	1,300 U	900	270 U	1,300 U	1,300 U	1,300 U	2,600 U
Total HMW PAHs	ppb	16 J	32 J	110 J	48 J	5.5 J	55 J	94 J
Total LMW PAHs	ppb	6.7	5.1 J	51 J	17 J	2.8 J	24 J	12 J
TOTAL PAHs	ppb	23 J	37 J	160 J	65 J	8.3 J	79 J	110 J
Physical Properties[1]								
Percent Moisture	%	81.1	80.7	10.8	80	78.9	78.4	74.5
Water Content ASTM D2216	%	429	419	12.2	401	374	363	293

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBCEN	NB03CRBNOR
Date Homogenized:		08/19/15	09/08/15	08/26/15	08/26/15	09/01/15	08/30/15	08/19/15
Sample Name:	Units	NB03CRB-CAR-C003	NB03CRB-CAR-C004	NB03CRB-CAR-C005	NB03CRB-CAR-C006	NB03CRB-CAR-C007	NB03CRB-CAR-C008	NB03CRB-CAR-N001
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	0.865 JB	0.812 JBQ	0.909 JB	0.762 JB	1.12 JB	0.882 JB	1.58 JBQ
1,2,3,4,6,7,8-HpCDF	ng/kg	2.72 JB	2.94 JB	3.67 JB	2.51 JB	2.91 JB	4.56 JB	8.47 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0886 JB	0.0693 U	0.0545 U	0.0839 JBQ	0.175 JBQ	0.125 JBQ	0.0573 U
1,2,3,4,7,8-HxCDD	ng/kg	0.215 JQ	0.102 JBQ	0.188 JBQ	0.106 JB	0.243 JB	0.183 JB	0.227 JQ
1,2,3,4,7,8-HxCDF	ng/kg	2.71 JB	2.37 JB	3.85 JB	3.47 JB	3.38 JB	4.36 BCJ	7.67 C
1,2,3,6,7,8-HxCDD	ng/kg	0.462 JBQ	0.49 JQ	0.485 JB	0.297 JB	0.596 JB	0.52 JB	0.692 JB
1,2,3,6,7,8-HxCDF	ng/kg	0.919 JB	0.779 JB	1.12 JB	0.881 JB	1 JB	1.25 JB	2.06 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.243 JBQ	0.129 JQ	0.211 JBQ	0.149 JB	0.344 JB	0.183 JBQ	0.266 JBQ
1,2,3,7,8,9-HxCDF	ng/kg	0.209 JBQ	0.0594 JBQ	0.0786 JBQ	0.0961 JBQ	0.23 JB	0.107 JB	0.117 JB
1,2,3,7,8-PeCDD	ng/kg	0.891 JQ	0.442 JBQ	0.745 JB	0.414 JB	0.044 U	0.499 J	0.692 JQ
1,2,3,7,8-PeCDF	ng/kg	1.58 JBQ	1.37 JB	1.74 JB	1.39 JB	1.71 JB	1.65 JB	2.35 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.365 JB	0.175 JBQ	0.292 JB	0.29 JB	0.394 JB	0.386 JB	0.605 JB
2,3,4,7,8-PeCDF	ng/kg	3.29 JB	3.05 J	3.7 JB	3.15 JB	3.43 JB	4.02 JB	4.75 JB
2,3,7,8-TCDD	ng/kg	17.4	23.2 B	32	15.6	19.2	23.6	23.3
2,3,7,8-TCDF	ng/kg	6.64 BC	6.82 C	8.27 BC	6.38 BC	8.87 C	6.32 C	7.42 BC
OCDD	ng/kg	4.23 JB	4.1 JB	3.83 JB	3.68 JB	4.59 JB	3.63 JB	10.6 B
OCDF	ng/kg	0.654 JBQ	0.392 JB	0.402 JB	0.684 JB	0.611 JB	2.69 JB	1.48 JB
Percent Lipid	%	1.9	1.8	2.3	1.7	2.4	1.6	1.3
Metals								
Aluminum	mg/kg	5.44 U	32.4	16.3 B	69.9	62.8	44.1	287
Antimony	mg/kg	0.0641 U	0.0653 U	0.0641 U	0.0635 U	0.0635 U	0.066 U	0.0641 U
Arsenic	mg/kg	1.81	1.91	2.2	2.53	2.08	2.84	1.6
Barium	mg/kg	3.51	1.81	1.62	3.65	3.03	3.84	7.2
Beryllium	mg/kg	0.0138 U	0.0141 U	0.0138 U	0.0137 U	0.0137 U	0.0142 U	0.0204 B
Cadmium	mg/kg	0.234	0.193	0.278	0.283	0.231	0.253	0.126
Calcium	mg/kg	3,450	4,060	4,440	4,950	4,750	5,450	2,170
Chromium	mg/kg	0.28 B	0.131 B	0.128 B	0.563	0.348 B	0.323 B	2.01
Cobalt	mg/kg	0.103	0.117	0.0903 B	0.222	0.124	0.138	0.321
Copper	mg/kg	35.4	26.7	24	43.8	38.5	58.6	8.78
Iron	mg/kg	195	134	90	284	161	184	2,090
Lead	mg/kg	1.23	1.2	0.58	1.85	0.902	1.42	3.57
Magnesium	mg/kg	650	669	640	1,140	909	980	813
Manganese	mg/kg	26.5	17.1	16.8	76.8	30.3	39.9	24.5
Mercury	ng/g	31.6	49.7	54.4	53.8	31.9	34.1	50.4
Methyl Mercury	ng/g	31.9 J	61.5	47.7	43.1	27.7	32.3	43.6 J
Nickel	mg/kg	0.397	0.186 U	0.183 U	0.35 B	0.237 B	0.309 B	3.44
Potassium	mg/kg	2,090	2,070	2,090	2,990	2,360	2,990	2,240
Selenium	mg/kg	0.806	1.1	1.24	1.32	1.2	1.48	0.899
Silver	mg/kg	0.98	0.897	0.768	1.27	1.22	1.36	0.451
Sodium	mg/kg	4,940	4,430	3,990	7,480	6,100	7,770	3,470
Thallium	mg/kg	0.0291 U	0.0297 U	0.0291 U	0.0288 U	0.0288 U	0.03 U	0.0291 U
Titanium	mg/kg	1.54 B	1.18 B	0.759 B	1.8 B	0.163 U	0.971 B	2.19
Vanadium	mg/kg	0.233	0.236	0.173	0.461	0.317	0.321	0.245
Zinc	mg/kg	24.5	24.5	28	44.5	37.7	46	20.4
Butyltins								
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U
Monobutyltin	ug/kg	21 UCN	20 UCN	20 UCN	21 UCN	20 UCN	20 UJCN	20 UCN
Tetrabutyltin	ug/kg	1.7 U	1.6 U	1.7 U	1.7 U	1.6 U	1.7 UJ	1.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
Tributyltin	ug/kg	1.5 UJ	1.4 U	1.5 U	1.5 U	1.4 U	1.5 UJ	1.5 UJ
PCB Congeners								
PCB-1	ng/kg	5 U	0.979 U	4.91 U	4.29	0.997 U	0.999 U	4.97 U
PCB-2	ng/kg	3.5 U	0.686 U	3.43 U	0.67 U	1.44 J	1.33 J	3.48 U
PCB-3	ng/kg	5.5 U	1.08 U	R	1.7 J	4.76 J	R	5.47 U
PCB-4	ng/kg	17.3 J	82.8	15.8 JB	16.8 B	1.3 U	23.9 B	16.6 J
PCB-5	ng/kg	4 U	0.784 U	3.93 U	0.766 U	0.798 U	0.799 U	3.98 U
PCB-6	ng/kg	7.75 J	0.686 U	6.82 JB	6.97 B	0.698 U	0.699 U	10.7
PCB-7	ng/kg	4 U	0.784 U	3.93 U	0.766 U	0.798 U	1.63 J	3.98 U
PCB-8	ng/kg	24.9 JB	1.47 U	28.4 B	26.8 B	1.5 U	58.7	50.6 B
PCB-9	ng/kg	3.5 U	0.686 U	3.43 U	1.07 J	1.69 J	2.33	3.48 U
PCB-10	ng/kg	6.5 U	8.7	6.38 U	1.65 J	1.46 J	1.3 U	6.46 U
PCB-11	ng/kg	101 B	3.33 U	131 B	108 B	165	151 B	127 B
PCB-12/13	ng/kg	43.5	1.86 U	32.7	21.9	30.3	36.3	63.3
PCB-14	ng/kg	4 U	0.784 U	3.93 U	0.766 U	0.798 U	0.799 U	3.98 U
PCB-15	ng/kg	1,890 E	990 BE	1,250	970 E	1,260 BE	1,260 BE	1,460
PCB-16	ng/kg	4.5 U	14.7	4.42 U	12.6 B	0.897 U	0.899 U	4.47 U
PCB-17	ng/kg	4.5 UB	90.7	38.6 B	35.9 B	53.8	58.7 B	4.47 U
PCB-18/30	ng/kg	8 U	156 B	59.3 B	59.4 B	73.3	1.6 U	7.95 U
PCB-19	ng/kg	4 U	23.5	5.71 J	6.18	7.57	10.1	3.98 U
PCB-20/28	ng/kg	34,100 BE	15,800 BE	25,500 BE	14,500 BE	18,600 BE	21,500 BE	28,000 BE
PCB-21/33	ng/kg	10.5 U	82.5	67.8	59.8	112 B	92	10.4 U
PCB-22	ng/kg	142	201	139	99.8	130 B	273 B	435
PCB-23	ng/kg	3.5 U	0.686 U	3.43 U	0.67 U	0.698 U	0.699 U	3.48 U
PCB-24	ng/kg	5 U	0.979 U	4.91 U	0.958 U	0.997 U	0.999 U	4.97 U
PCB-25	ng/kg	65.6	90.4	62	49.4	67	159	246
PCB-26/29	ng/kg	92.8	134	79.5	60	84.7 B	102	143
PCB-27	ng/kg	17.8	50.3	17.9	13.2	16.5	22.2	17.5
PCB-31	ng/kg	9 U	476 E	302 B	354 BE	363 BE	959 BE	1,480 B
PCB-32	ng/kg	4 U	146	81 B	52.9 B	83.5 B	103 B	3.98 U
PCB-34	ng/kg	18	12.4	16.7	6.19	12.8	7.31	19.2
PCB-35	ng/kg	15.2	0.881 U	13.4	8.3	13.2	13.9	26.3
PCB-36	ng/kg	4.6 J	0.784 U	6.68 J	3.91	7.51	7.14	6.45 J
PCB-37	ng/kg	3,630 E	2,030 E	2,730 E	1,710 E	2,170 BE	2,240 E	3,030 E
PCB-38	ng/kg	3.5 U	0.686 U	3.43 U	0.67 U	3.75	7.47	18.1
PCB-39	ng/kg	49.1	26.2	55	23.4	28.3	39.5	58.3
PCB-40/71	ng/kg	491	669	415	301	401	431	640
PCB-41	ng/kg	21 U	4.11 U	20.6 U	5.09 J	5.43 J	6 J	20.9 U
PCB-42	ng/kg	8 U	174	92.6	99	97.7	333	468
PCB-43	ng/kg	36.5	34.1	28.6	21.7	19.8	1.4 U	39.7
PCB-44/47/65	ng/kg	15,200 BE	12,500 BE	18,200 E	10,300 E	8,720 BE	11,700 BE	14,900 BE
PCB-45	ng/kg	11 U	7.16	10.8 U	2.11 U	5.78	13	10.9 U
PCB-46	ng/kg	5 U	7.99	4.91 U	4.08	4.5	5.12	5.81 J
PCB-48	ng/kg	7 U	65.2	35.3	35.3	46.2	52.9	6.96 U
PCB-49/69	ng/kg	13 U	470 B	205	241	235 B	660	12.9 U
PCB-50/53	ng/kg	26.7 J	60.7	25.7 J	23.3	25.4	34.2	34.3 J
PCB-51	ng/kg	19.4 J	37.6	18.9 J	17.5	19.8	21.7	25.2
PCB-52	ng/kg	7.5 U	551	249	260	248	415 B	7.46 U
PCB-54	ng/kg	7 U	1.37 U	6.87 U	1.34 U	1.4 U	1.4 U	6.96 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
PCB-55	ng/kg	22.5 J	1.18 U	46.4	21.3	17.1	30.2	29.3
PCB-56	ng/kg	223	1.47 U	233	171	238	564	859
PCB-57	ng/kg	14.2 J	14.6	10.6 J	1.05 U	10.9	12.5	13.5 J
PCB-58	ng/kg	10.4 J	11.3	10.8 J	4.69 J	14.1	17.9	27.8
PCB-60	ng/kg	4,080 E	2,930 E	4,670 E	2,740 E	2,940 BE	3,960 E	3,940 E
PCB-61/70/74/76	ng/kg	18,000 E	13,100 E	21,500 E	10,100 E	12,800 BE	16,700 E	19,600 E
PCB-62/75	ng/kg	1,230	975	1,490	3.54 U	730	1,000	1,250
PCB-63	ng/kg	292	224	362	155	173	399	393
PCB-64	ng/kg	6.5 U	398	203	221	203 B	686 E	1,110
PCB-66	ng/kg	40,500 BE	21,700 BE	37,300 BE	16,700 BE	22,300 BE	28,300 BE	36,800 BE
PCB-67	ng/kg	54.4	55.5	57.8	30.4	42.9	76.9	107
PCB-68	ng/kg	180	141	240	99.6	119	206	183
PCB-72	ng/kg	80.1	71.3	72.6	35.4	42.3	51.6	73.4
PCB-73	ng/kg	11.1 J	20.5	12.6 J	7.45	11.3	1.4 U	16 J
PCB-77	ng/kg	2,770	R	R	R	R	1,920 E	2,440
PCB-78	ng/kg	8 U	1.57 U	7.85 U	1.53 U	1.6 U	1.6 U	7.95 U
PCB-79	ng/kg	72.3	43.5	79.6	41.2	39.7	62.4	88.8
PCB-80	ng/kg	5.5 U	1.08 U	6.3 J	3.96 J	1.1 U	1.1 U	5.47 U
PCB-81	ng/kg	70.4	48.4	76.6	44.9	51.2	57.4	70.7
PCB-82	ng/kg	7.5 U	1.47 U	23.8 J	26.5	22.2	48.2	7.46 U
PCB-83	ng/kg	20.7 J	2.84 U	14.2 U	2.78 U	14.7	31.7	31.8 J
PCB-84	ng/kg	5.5 U	57.2	42.5	40.5	39.9	53.2	5.47 U
PCB-85/116/117	ng/kg	4,630	3,950 E	4,730	3,070 E	2,420 E	3,210 E	4,900
PCB-86/87/97/109/119/125	ng/kg	1,920	1,870	2,060	1,410	1,220	1,630	2,240
PCB-88	ng/kg	160	2.15 U	10.8 U	2.11 U	2.19 U	2.2 U	10.9 U
PCB-89	ng/kg	6.5 U	1.27 U	6.38 U	1.25 U	1.91 J	2.76 J	6.46 U
PCB-90/101/113	ng/kg	23.5 U	1,500 B	927	785	659 B	1,520 B	2,010
PCB-91	ng/kg	11 U	199	113	90	80.1	158	251
PCB-92	ng/kg	6.5 U	1.27 U	128	144	121	203	6.46 U
PCB-93/100	ng/kg	830	963	1,200	640	660	720	954
PCB-94	ng/kg	34.7	40.7	30.6	15.3	19.4	15.3	39.6
PCB-95	ng/kg	287	R	195	211	210	R	325
PCB-96	ng/kg	7.5 U	1.47 U	7.36 U	1.44 U	1.5 U	1.5 U	7.46 U
PCB-98/102	ng/kg	38.5 U	44.8	37.8 U	7.38 U	19.1 J	29.3	57.4 J
PCB-99	ng/kg	20,900 BE	18,400 BE	21,200 E	12,900 E	11,100 BE	14,000 BE	20,800 BE
PCB-103	ng/kg	7.55 J	16.6	6.22 J	13.4	6.13	16.7	24 J
PCB-104	ng/kg	7 U	1.7 J	6.87 U	1.34 U	1.4 U	1.4 U	6.96 U
PCB-105	ng/kg	9,890 E	7,300 E	9,800 E	5,880 E	6,400 BE	6,730 BE	9,140 E
PCB-106	ng/kg	8.5 U	1.67 U	8.34 U	1.63 U	1.69 U	1.7 U	8.45 U
PCB-107	ng/kg	1,560	1,320 E	1,870	1,080 E	1,090 E	1,390 E	1,360
PCB-108/124	ng/kg	48.3 J	62.4	48.3 J	34.9	42.2	71.4	77.6
PCB-110/115	ng/kg	19.5 U	1,680 BE	1,200	991	882 B	1,760 E	2,630
PCB-111	ng/kg	44.7	44.3	44.1	29.9	25.6	31.8	33.9
PCB-112	ng/kg	7 U	1.37 U	20.2 J	1.34 U	6.41	10.6	6.96 U
PCB-114	ng/kg	605	556	724	424	459	478	612
PCB-118	ng/kg	31,800 BE	26,000 BE	33,100 BE	21,000 BE	20,900 BE	22,300 BE	31,100 BE
PCB-120	ng/kg	222	192	216	147	122	149	188
PCB-121	ng/kg	22.8 J	22.6	26.4	16.8	15.6	17.3	22.4 J
PCB-122	ng/kg	6 U	9.32	5.89 U	1.15 U	7.75	21.6	29.6

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
PCB-123	ng/kg	622	462	696	1.63 U	492	457	604
PCB-126	ng/kg	71	69.1	86.2	1.53 U	59.2	59.3	66.3
PCB-127	ng/kg	35.9	19.3	37.1	17.6	15.6	18.8	33.4
PCB-128/166	ng/kg	2,420	2,250 E	2,670	1,990 E	1,400 E	1,740 E	2,340
PCB-129/138/163	ng/kg	21,300 E	20,300 BE	22,500 E	15,400 E	11,000 BE	15,100 BE	19,800 E
PCB-130	ng/kg	331	391	383	247	186	357	352
PCB-131	ng/kg	17.7 J	15.1	R	10.6	7.23	11	16.9 J
PCB-132	ng/kg	8 U	74.7	43.9	96.4	51.6	137	7.95 U
PCB-133	ng/kg	573	600 E	714	366	358	410	399
PCB-134	ng/kg	16.5 U	3.23 U	16.2 U	16.6	9.21 J	27.7	17.2 J
PCB-135/151	ng/kg	23 U	318	171	248	136	227	22.9 U
PCB-136	ng/kg	25.5	26.5	18.5 J	35.4	19.8	27.4	28.2
PCB-137	ng/kg	989	980 E	1,230	864 E	600 E	729 E	996
PCB-139/140	ng/kg	470	395	561	375	251	307	416
PCB-141	ng/kg	8.5 U	169	88.3	R	75.1	158	8.45 U
PCB-142	ng/kg	8.5 U	1.67 U	8.34 U	1.63 U	1.69 U	1.7 U	8.45 U
PCB-143	ng/kg	16.5 U	3.23 U	16.2 U	3.16 U	3.29 U	3.3 U	16.4 U
PCB-144	ng/kg	52.1	50.3	28.2	40.2	22.9	26.1	50.7
PCB-145	ng/kg	8 U	1.57 U	7.85 U	1.53 U	1.6 U	1.6 U	7.95 U
PCB-146	ng/kg	4,150 E	4,070 E	4,800 E	3,250 E	R	2,940 E	3,480 E
PCB-147/149	ng/kg	1,150	1,310 BE	931	929	548 B	1,230 BE	1,550
PCB-148	ng/kg	119	107	136	90.3	71.6	61.9	99.8
PCB-150	ng/kg	7.5 U	2.9 J	7.36 U	5.85	1.61 J	3.41 J	7.46 U
PCB-152	ng/kg	7 U	1.37 U	6.87 U	1.34 U	1.4 U	1.4 U	6.96 U
PCB-153/168	ng/kg	30,300 BE	28,700 BE	32,500 BE	24,400 BE	16,300 BE	20,100 BE	27,900 BE
PCB-154	ng/kg	932	839 E	1,110	769 E	577	486	806
PCB-155	ng/kg	224	302	381	169	168	250	254
PCB-156/157	ng/kg	2,320	2,270 E	2,870	1,600 E	1,670 E	1,680 E	2,200
PCB-158	ng/kg	2,080	2,040 E	2,360	1,700 E	1,180 E	1,450 E	1,940
PCB-159	ng/kg	11.4 J	6.32	6.87 U	5.4	6.81	7.16	6.96 U
PCB-160	ng/kg	31.5 U	6.17 U	30.9 U	6.03 U	6.28 U	6.29 U	31.3 U
PCB-161	ng/kg	6.5 U	1.27 U	6.38 U	3.22 J	2.37 J	3.25 J	6.46 U
PCB-162	ng/kg	140	R	6.38 U	91.4	85	105	6.46 U
PCB-164	ng/kg	7.5 U	97.6	43.5	41.8	39.4	92.2	109
PCB-165	ng/kg	30	31.7	31.8	22.7	R	17.2	18 J
PCB-167	ng/kg	969	970 E	1,160	668 E	727 E	673 E	888
PCB-169	ng/kg	7.5 U	1.47 U	7.36 U	1.44 U	2.3 J	1.56 J	7.46 U
PCB-170	ng/kg	2,310	2,400 E	2,830	1,330 E	1,230 E	1,930 E	2,740
PCB-171/173	ng/kg	1,070	1,030	R	810	R	745	1,020
PCB-172	ng/kg	748	680 E	697	485	295	481	590
PCB-174	ng/kg	7.5 U	148	R	113	58.9	R	7.46 U
PCB-175	ng/kg	190	212	R	144	99.7	116	166
PCB-176	ng/kg	20.3 J	23.8	13.3 J	21.3	11.4	24.1	30.7
PCB-177	ng/kg	629	R	R	465	348	809 E	743
PCB-178	ng/kg	1,540	1,690 E	1,500	1,090 E	718 E	729 E	1,170
PCB-179	ng/kg	32.1	49.9	27.4	62.2	25.3	64.1	41.8
PCB-180/193	ng/kg	11,200 E	10,700 E	12,500 E	7,130 E	5,450 BE	7,250 BE	9,960 E
PCB-181	ng/kg	44.6	R	R	33.1	23.2	R	44.6
PCB-182	ng/kg	51.5	52.8	R	41.9	22.6	28.2	41.1

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
PCB-183/185	ng/kg	3,810	3,580 E	R	2,660 E	1,820 E	2,410 E	3,440
PCB-184	ng/kg	40.1	30.8	44.5	31.5	16.2	19.2	35.5
PCB-186	ng/kg	7.5 U	1.47 U	7.36 U	1.44 U	1.5 U	1.5 U	7.46 U
PCB-187	ng/kg	8,110 E	8,920 E	R	6,490 BE	4,410 BE	5,630 E	6,990 E
PCB-188	ng/kg	62.8	80	81.9	41	46.9	1.5 U	47.9
PCB-189	ng/kg	149	156	188	94.2	88.1	104	145
PCB-190	ng/kg	715	735 E	774	231	356	575	798
PCB-191	ng/kg	160	170	183	120	90.9	112	151
PCB-192	ng/kg	6.5 U	2.49 J	6.38 U	2.19 J	1.3 U	1.3 U	6.46 U
PCB-194	ng/kg	1,290	1,300 E	1,500	577	590	964 E	1,280
PCB-195	ng/kg	289	315	453	153	146	246	371
PCB-196	ng/kg	1,080	1,090 E	1,260	537	499	607	1,120
PCB-197/200	ng/kg	146	120	147	99.6	62.8	72.9	128
PCB-198/199	ng/kg	2,660	2,750 E	3,090	1,360	1,260	1,710	2,720
PCB-201	ng/kg	403	395	483	267	205	226	364
PCB-202	ng/kg	983	1,110 E	1,160	509	546	588	722
PCB-203	ng/kg	1,440	1,270 E	1,550	556	569	728	1,550
PCB-204	ng/kg	10.5 U	3.83 J	10.3 U	4.3 J	2.09 U	2.31 J	10.4 U
PCB-205	ng/kg	23.5 J	24.5	33.6	15.6	11.6	20.8	35.2
PCB-206	ng/kg	889	949 E	1,120	517	401	566	840
PCB-207	ng/kg	144	142	178	84.2	59.6	82.7	136
PCB-208	ng/kg	543	619	619	279	233	342	448
PCB-209	ng/kg	574	772	841	431	317	444	525
Total PCB Congeners (209)	ng/kg	307,000 J	247,000 J	301,000 J	189,000 J	175,000 J	226,000 J	298,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.1 U	36 U	7.2 U	7.1 U	7.2 U	7.2 U	36 U
Aroclor-1221	ug/kg	9.1 U	46 U	9.1 U	9.1 U	9.1 U	9.1 U	46 U
Aroclor-1232	ug/kg	16 U	80 U	16 U	16 U	16 U	16 U	79 U
Aroclor-1242	ug/kg	6.5 U	33 U	6.6 U	6.5 U	6.6 U	6.6 U	33 U
Aroclor-1248	ug/kg	6.5 U	33 U	6.6 U	6.5 U	6.6 U	6.6 U	33 U
Aroclor-1254	ug/kg	6.5 U	33 U	6.6 U	6.5 U	6.6 U	6.6 U	33 U
Aroclor-1260	ug/kg	9.7 U	49 U	9.7 U	9.7 U	9.7 U	9.7 U	49 U
Aroclor-1262	ug/kg	52	33 U	31 J	29 J	13 J	32 J	33 U
Aroclor-1268	ug/kg	6.5 U	33 U	6.6 U	6.5 U	6.6 U	6.6 U	33 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	80 U	16 U	16 U	16 U	16 U	79 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	52	80 U	31 J	29 J	13 J	32 J	79 U
Pesticides								
2,4'-DDD	pg/g	57.2 JD	66.6	54.1	163	110	126 J	83 JD
2,4'-DDE	pg/g	109 JD	160 J	110 B	134 B	116	124 J	139 JD
2,4'-DDT	pg/g	42.8 JD	10.8 U	65.2	60	10.8 U	28.8 J	10.8 UD
4,4'-DDD	pg/g	14,900 D	16,200	12,300 B	10,900 B	9,480	9,090	10,100 D
4,4'-DDE	pg/g	45,400 BD	71,600 BD	57,100 BD	43,900 BD	49,000 BD	41,600 BD	40,700 BD
4,4'-DDT	pg/g	311 DJ	262 B	311 B	356 B	168 BJ	239 B	220 DJ
Aldrin	pg/g	9.16 UD	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 UD
Alpha-BHC	pg/g	22.6 JD	25.3 J	26.7 J	6.4 U	27 J	22.9 J	25.9 JD
Alpha-Chlordane	pg/g	1,420 DJ	1,740	1,130	8.83 U	1,230	3,750	1,700 DJ
Beta-BHC	pg/g	62.5 JD	59.6	65	75.7	59.6	55.2	50.5 JD
cis-Nonachlor	pg/g	2,410 D	3,590	3,590	3,390	2,130 J	3,000	3,540 D
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	2.88 J	5.08 U	5.08 U	5.08 UD

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
Dieldrin	pg/g	3,650 D	4,840	4,570	4,610	2,910	2,700	4,940 D
Endosulfan I	pg/g	57.4 UD	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 UD
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 UD
Endosulfan Sulfate	pg/g	63.3 UDJ	63.3 U	63.3 U	63.3 U	R	63.3 U	63.3 UD
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 U	13.9 U	13.9 UD	13.9 UD
Endrin Aldehyde	pg/g	131 UD	R	R	131 U	R	131 UJ	131 UD
Endrin Ketone	pg/g	76 UD	76 U	76 U	76 U	R	76 U	76 UD
Gamma-BHC (Lindane)	pg/g	7.69 UD	7.69 U	10.1 J	14.4 J	7.79 J	7.07 J	7.69 UD
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 U	32.5 UJ	32.5 UJ	32.5 UD
Heptachlor Epoxide	pg/g	1,950 D	2,440	2,430	2,160	1,270	1,350	2,370 D
Hexachlorobenzene	pg/g	506 BD	711 B	966 B	819 B	569 B	1,130 B	1,000 BD
Methoxychlor	pg/g	38.9 UD	38.9 UJ	5.71 J	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UD
Mirex	pg/g	117 JD	157 J	178	131	119 J	129	107 JD
Nonachlor, trans-	pg/g	4,980 D	8,040	7,020	6,760	4,780	5,630	7,040 D
Oxychlordane	pg/g	8,160 D	12,100	12,000	9,560	6,130	7,670	9,840 D
trans-Chlordane	pg/g	13.7 UD	R	218	13.7 U	202	169	282 DJ
trans-Heptachlor Epoxide	pg/g	755 D	803	891	658	377	502	1,040 D
Total Alpha + Gamma Chlordane	ppb	1.4 DJ	1.7 T	1.3	0.014 U	1.4	3.9	2 DJ
Total DDT (2,4)	ppb	0.21 DJ	0.23 J	0.23 B	0.36 B	0.23	0.28 J	0.22 DJ
Total DDT (4,4)	ppb	61 BDJ	88 BD	70 BD	55 BD	59 BDJ	51 BD	51 BDJ
Total DDT (2,4 & 4,4)	ppb	61 BDJ	88 BDJ	70 BD	56 BD	59 BDJ	51 BDJ	51 BDJ
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
1,2-Diphenylhydrazine	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
1-Methylnaphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	3.7 J
2,2'-oxybis(1-Chloropropane)	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2,3,4,6-Tetrachlorophenol	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U
2,4,5-Trichlorophenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2,4,6-Trichlorophenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2,4-Dichlorophenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2,4-Dimethylphenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2,4-Dinitrophenol	ug/kg	1,200 U	6,000 U	1,200 U	1,200 U	6,000 UJ	5,900 U	1,200 U
2,4-Dinitrotoluene	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U
2,6-Dinitrotoluene	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2-Chloronaphthalene	ug/kg	28 U	130 U	28 U	27 U	130 UJ	140 U	27 U
2-Chlorophenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2-Methylnaphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	3.2 J
2-Methylphenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2-Nitroaniline	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
2-Nitrophenol	ug/kg	67 U	330 U	66 UJ	65 UJ	330 UJ	330 U	65 U
3,3'-Dichlorobenzidine	ug/kg	400 U	2,000 U	400 U	390 UJ	2,000 UJ	2,000 U	390 U
3-Nitroaniline	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	670 U	3,300 U	660 U	650 UJ	3,300 UJ	3,300 U	650 U
4-Bromophenyl phenyl ether	ug/kg	67 U	330 U	66 U	65 UJ	330 UJ	330 U	65 U
4-Chloro-3-Methylphenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
4-Chloroaniline	ug/kg	130 U	670 U	130 U	130 U	660 UJ	650 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
4-Methylphenol	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
4-Nitroaniline	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
4-Nitrophenol	ug/kg	670 U	3,300 U	660 U	650 U	3,300 UJ	3,300 U	650 U
Acenaphthene	ug/kg	5.8 J	3.7 J	7.1	6.6	13 U	18	19
Acenaphthylene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	13	2.8 J
Acetophenone	ug/kg	67 U	330 U	66 UJ	65 UJ	330 UJ	330 U	65 U
Anthracene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	37	3.9 J
Atrazine	ug/kg	130 U	670 U	130 U	130 U	660 UJ	650 U	130 U
Benzaldehyde	ug/kg	680	1,300 UJ	1,000 J	260 U	1,300 UJ	3,000 J	5,100
Benzidine	ug/kg	2,800 U	14,000 U	2,800 U	2,700 UJ	14,000 UJ	14,000 U	2,700 U
Benzo(a)anthracene	ug/kg	5 J	3.4 J	2.6 U	3.8 J	16 J	93	7.8
Benzo(a)pyrene	ug/kg	3.3 J	3 J	2.6 U	2.7 J	13 U	46 J-	6.4 J
Benzo(b)fluoranthene	ug/kg	3.2 J	2.7 U	2.6 U	2.8 J	13 U	39 J-	4.3 J
Benzo(e)pyrene	ug/kg	3.2 J	2.8 J	2.6 U	2.6 U	13 U	29	4.9 J
Benzo(g,h,i)perylene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 UJ	25 J-	4.2 J
Benzo(j,k)fluoranthene	ug/kg	3.2 J	2.7 U	2.6 U	2.6 U	13 U	42 J-	5.4 J
Benzoic Acid	ug/kg	1,000 J	3,300 U	880 J	650 U	3,300 UJ	3,300 U	1,900 J
Biphenyl	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
bis(2-Chloroethoxy)methane	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
bis(2-Chloroethyl)ether	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
bis(2-Ethylhexyl)phthalate	ug/kg	270 U	1,300 U	260 U	260 UJ	1,300 UJ	1,300 U	260 U
Butyl benzyl phthalate	ug/kg	270 U	1,300 U	260 U	260 UJ	1,300 UJ	1,300 U	260 U
C1-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	31	2.7 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	110	2.7 U
C1-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C1-Naphthalenes	ug/kg	2.7 J	2.7 U	2.6 U	4.2 J	13 U	4.9 J	2.7 U
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	71	2.7 U
C2-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C2-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C2-Naphthalenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	10	2.7 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	34	2.7 U
C3-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C3-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C3-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C4-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C4-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	2.7 U
Caprolactam	ug/kg	130 U	670 U	130 U	130 U	660 UJ	650 U	130 U
Carbazole	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
Chrysene	ug/kg	3.8 J	3.4 J	2.6 U	3.6 J	13 U	60	7.4
Dibenzo(a,h)anthracene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	6.8 J-	2.7 U
Dibenzofuran	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
Diethyl phthalate	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U
Dimethylphthalate	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U
Di-n-Butylphthalate	ug/kg	270 U	1,300 U	260 U	260 UJ	1,300 UJ	1,300 U	260 U
Di-n-Octylphthalate	ug/kg	270 U	1,300 U	260 U	260 U	1,300 UJ	1,300 U	260 U
Fluoranthene	ug/kg	8.6	2.7 U	2.6 U	6.2 J	26 J	210	13
Fluorene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	14	2.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBCEN 08/19/15 NB03CRB-CAR-C003	NB03CRBCEN 09/08/15 NB03CRB-CAR-C004	NB03CRBCEN 08/26/15 NB03CRB-CAR-C005	NB03CRBCEN 08/26/15 NB03CRB-CAR-C006	NB03CRBCEN 09/01/15 NB03CRB-CAR-C007	NB03CRBCEN 08/30/15 NB03CRB-CAR-C008	NB03CRBNOR 08/19/15 NB03CRB-CAR-N001
Hexachlorobutadiene	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
Hexachlorocyclopentadiene	ug/kg	670 U	3,300 U	660 U	650 U	3,300 UJ	3,300 U	650 U
Hexachloroethane	ug/kg	130 U	670 U	130 U	130 U	660 UJ	650 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.9 J	2.7 U	2.6 U	2.6 U	13 UJ	35 J-	4.4 J
Isophorone	ug/kg	67 U	330 U	66 U	65 U	330 UJ	330 U	65 U
Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	2.6 U	6.1 J
Nitrobenzene	ug/kg	67 U	330 U	66 UJ	65 UJ	330 UJ	330 U	65 U
N-Nitroso-di-n-propylamine	ug/kg	67 U	330 U	66 UJ	65 UJ	330 UJ	330 U	65 U
N-Nitrosodiphenylamine	ug/kg	67 U	330 U	66 U	65 UJ	330 UJ	330 U	65 U
Pentachlorophenol	ug/kg	130 U	670 U	130 U	130 UJ	660 UJ	650 U	130 U
Perylene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	13 U	13	2.7 U
Phenanthrene	ug/kg	4.7 J	2.7 U	2.6 U	3.8 J	13 U	110	5.3 J
Phenol	ug/kg	67 U	330 U	66 UJ	65 UJ	330 UJ	330 U	65 U
Pyrene	ug/kg	6.3 J	4 J	2.6 U	5 J	27 J	150	13
Pyridine	ug/kg	270 U	1,300 U	260 U	370 J	1,300 UJ	1,300 U	260 U
Total HMW PAHs	ppb	36 J	14 J	2.6 U	24 J	69 J	710 J	66 J
Total LMW PAHs	ppb	11 J	3.7 J	7.1	10 J	13 U	190	40 J
TOTAL PAHs	ppb	47 J	18 J	7.1	35 J	69 J	900 J	110 J
Physical Properties[1]								
Percent Moisture	%	78.1	81	79.4	77	74.7	75.5	79
Water Content ASTM D2216	%	357	426	385	334	295	309	377

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBNOR	NB03CRBNOR	NB03CRBNOR	NB03CRBNOR	NB03CRBNOR
Date Homogenized:		08/30/15	08/25/15	09/01/15	08/26/15	08/24/15	08/24/15
Sample Name:	Units	NB03CRB-CAR-N002	NB03CRB-CAR-N003	NB03CRB-CAR-N004	NB03CRB-CAR-N005	NB03CRB-CAR-N006	NB03CRB-CAR-N007
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	0.853 JBQ	1.42 JB	1.38 JB	1.42 JB	1.35 JB	1.14 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	4.25 JB	17.7 B	7.06 B	7.75 B	5.7 B	4.87 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0835 JBQ	0.519 JB	0.116 JBQ	0.146 JBQ	0.0914 JBQ	0.0241 JB
1,2,3,4,7,8-HxCDD	ng/kg	0.136 JBQ	0.261 J	0.172 JBQ	0.357 JBQ	0.196 JB	0.172 JB
1,2,3,4,7,8-HxCDF	ng/kg	4.87 BCJ	11.8 C	4.5 JB	7.11 BC	6.24 C	5
1,2,3,6,7,8-HxCDD	ng/kg	0.425 JB	0.698 J	0.592 JBQ	0.854 JBQ	0.61 JQ	0.528 J
1,2,3,6,7,8-HxCDF	ng/kg	1.36 JB	2.83 JB	1.61 JB	2.33 JB	1.57 JB	1.45 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.192 JB	0.303 JQ	0.197 JB	0.369 JB	0.22 J	0.206 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.106 JBQ	0.301 JBQ	0.105 JB	0.126 JBQ	0.0774 JBQ	0.0888 JB
1,2,3,7,8-PeCDD	ng/kg	0.568 J	0.85 JBQ	0.0491 U	0.804 JBQ	0.856 JQ	0.813 JQ
1,2,3,7,8-PeCDF	ng/kg	1.52 JB	2.91 JB	2.01 JB	2.61 JBQ	1.86 JB	2.01 JBQ
2,3,4,6,7,8-HxCDF	ng/kg	0.386 JB	0.697 JB	0.374 JB	0.578 JB	0.492 J	0.403 J
2,3,4,7,8-PeCDF	ng/kg	4.12 JB	7.11 C	4.22 JB	5.83 BC	4.94 JB	4.06 JB
2,3,7,8-TCDD	ng/kg	20	28	28.6	44.8	31	27.1
2,3,7,8-TCDF	ng/kg	6.43 C	11.1 C	7.43 C	9.69 BC	8.85 C	9.01 C
OCDD	ng/kg	4.21 JB	9.27 JB	9.19 JB	9.27 JB	9.48 JB	6.18 JB
OCDF	ng/kg	1.32 JB	23.8 B	1.99 JB	1.13 JB	2 JB	0.839 JB
Percent Lipid	%	1.2	1.3	1.7	2.6	1.7	2.5
Metals							
Aluminum	mg/kg	28.8	55.1 J-	98	55.9	75	56.6
Antimony	mg/kg	0.0653 U	0.0635 U	0.0635 U	0.066 U	0.0629 U	0.066 U
Arsenic	mg/kg	1.37	1.49	1.7	1.9	1.49	2.33
Barium	mg/kg	4.38	14.6	6.92	3.38	4.37	5.9
Beryllium	mg/kg	0.0141 U	0.0137 U	0.0137 U	0.0142 U	0.0135 U	0.0142 U
Cadmium	mg/kg	0.171	0.178	0.18	0.293	0.316	0.252
Calcium	mg/kg	3,580	13,000	4,770	5,550	5,330	5,320
Chromium	mg/kg	0.245 B	0.368 B	0.611	0.364 B	0.478	0.403
Cobalt	mg/kg	0.129	0.157	0.201	0.135	0.152	0.127
Copper	mg/kg	32.6	39.3	40.4	35.7	35.4	42.9
Iron	mg/kg	153	146	299	167	209	181
Lead	mg/kg	0.886	1	1.76	1.7	1.22	1.97
Magnesium	mg/kg	675	1,230 J-	741	817	682	899
Manganese	mg/kg	43.1	77.6	75.8	26.4	35.1	29.7
Mercury	ng/g	46.5	153	55.1	50.5	111	44.7
Methyl Mercury	ng/g	34.8	46.9	43.9	41.7	53.5	34.7
Nickel	mg/kg	0.266 B	0.334 B	0.319 B	0.264 B	0.335 B	0.614
Potassium	mg/kg	1,950	1,930 J-	1,820	2,160	1,870	2,320
Selenium	mg/kg	0.748	0.804	0.936	1.05	0.829	0.982
Silver	mg/kg	1.07	1.59	1.14	0.997	0.979	1.05
Sodium	mg/kg	5,000	5,880 J-	5,600	5,350	4,530	6,500
Thallium	mg/kg	0.0297 U	0.0288 U	0.0288 U	0.03 U	0.0286 U	0.03 U
Titanium	mg/kg	1.64 B	1.85 B	3.31	2.13	3.05	1.89 B
Vanadium	mg/kg	0.238	0.33	0.557	0.305	0.289	0.332
Zinc	mg/kg	20.6	33.4	32.2	31.4	25.4	36.8
Butyltins							
Dibutyltin	ug/kg	1.2 UJ	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Monobutyltin	ug/kg	20 UJCN	20 UCN	20 UCN	20 UCN	21 UCN	21 UCN
Tetrabutyltin	ug/kg	1.6 UJ	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
Tributyltin	ug/kg	1.4 UJ	1.5 U	1.4 U	1.5 U	1.5 U	1.5 U
PCB Congeners							
PCB-1	ng/kg	0.994 U	4.87 U	0.965 U	4.99 U	4.88 U	51 B
PCB-2	ng/kg	1.87 J	5.03 J	0.676 U	3.49 U	3.41 U	6.31 U
PCB-3	ng/kg	5.48	R	4.69 J	R	5.37 U	33 JB
PCB-4	ng/kg	27.7 B	33.7	1.25 U	21.3 JB	18.3 J	84 B
PCB-5	ng/kg	0.795 U	3.89 U	0.772 U	3.99 U	3.9 U	7.21 U
PCB-6	ng/kg	0.696 U	22.5	12.9 B	11.3 B	11.8	36.9 B
PCB-7	ng/kg	0.795 U	3.89 U	1.57 J	3.99 U	3.9 U	7.21 U
PCB-8	ng/kg	59.4	55.7 B	1.45 U	42.8 B	7.32 U	159 B
PCB-9	ng/kg	2.34	6.21 J	1.82 J	3.49 U	3.41 U	11.3 JB
PCB-10	ng/kg	1.29 U	6.33 U	1.52 J	6.48 U	6.34 U	11.7 U
PCB-11	ng/kg	109 B	141 B	85.7	142 B	121 B	279 B
PCB-12/13	ng/kg	52.6	76.8	27.8	46.1	56.8	66.7
PCB-14	ng/kg	0.795 U	3.89 U	0.772 U	3.99 U	3.9 U	7.21 U
PCB-15	ng/kg	1,290 BE	1,590 E	829 BE	1,520 E	1,410	1,490 B
PCB-16	ng/kg	0.895 U	4.38 U	0.869 U	15.8 B	15.9	42.3 B
PCB-17	ng/kg	63.6 B	72.3 B	61	56.9 B	49.8	95.7 B
PCB-18/30	ng/kg	1.59 U	134	100	96.9 B	7.8 U	162 B
PCB-19	ng/kg	7.5	11.7	6.17	9.35 J	8.96 J	7.21 U
PCB-20/28	ng/kg	24,100 BE	35,100 BE	20,600 BE	33,500 BE	30,300 BE	30,000 BE
PCB-21/33	ng/kg	112	156	101 B	129	100	185 B
PCB-22	ng/kg	210 B	282	134 B	207	267	232 B
PCB-23	ng/kg	0.696 U	3.41 U	0.676 U	3.49 U	3.41 U	6.31 U
PCB-24	ng/kg	0.994 U	4.87 U	0.965 U	4.99 U	4.88 U	9.01 U
PCB-25	ng/kg	118	217	60.5	115	129	136
PCB-26/29	ng/kg	130	186	83.8 B	149	93.9	171
PCB-27	ng/kg	21.2	23.5	21.8	15.9	19.3	28.9
PCB-31	ng/kg	428 BE	791 B	314 BE	496 B	481	591 B
PCB-32	ng/kg	132 B	127	93.6 B	91.1 B	93	135 B
PCB-34	ng/kg	26.9	27.5	13.7	14.1	19.1	27.7
PCB-35	ng/kg	14.9	26.7	8.8	19.8	20.6	20
PCB-36	ng/kg	5.31	3.89 U	3.02	3.99 U	5.63 J	10.3 J
PCB-37	ng/kg	2,370 E	3,330 E	1,820 BE	3,490 E	3,330 E	3,060 E
PCB-38	ng/kg	0.696 U	3.41 U	8.63	3.49 U	3.41 U	6.31 U
PCB-39	ng/kg	60.5	90.8	26.7	49.3	63.6	64.6
PCB-40/71	ng/kg	745	828	502	443	501	673
PCB-41	ng/kg	4.17 U	20.4 U	5.24 J	20.9 U	20.5 U	37.8 U
PCB-42	ng/kg	125	326	109	168	138	176
PCB-43	ng/kg	53.7	65.5	33.2	22.5 J	31.7	37.8 J
PCB-44/47/65	ng/kg	16,700 BE	24,900 E	18,000 BE	22,300 E	19,500 E	18,400 E
PCB-45	ng/kg	8.11	16.2 J	5.82	11.1 J	10.7 U	19.8 U
PCB-46	ng/kg	0.994 U	10.4	4.47	6.64 J	5.9 J	11.4 J
PCB-48	ng/kg	62	107	49.9	65.9	51.7	81.8
PCB-49/69	ng/kg	280	587	232 B	407	266	478
PCB-50/53	ng/kg	35.1	59.2	28.6	40.6 J	30.9 J	62.7 J
PCB-51	ng/kg	34.7	40.3	26.9	34.9	28	40.4 J
PCB-52	ng/kg	382 B	605 B	312	425	300	643 B
PCB-54	ng/kg	1.39 U	6.82 U	1.35 U	6.98 U	6.83 U	12.6 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
PCB-55	ng/kg	54.8	5.84 U	31.6	47.3	5.85 U	10.8 U
PCB-56	ng/kg	354	669	200	335	417	404
PCB-57	ng/kg	19.5	20.9 J	10.7	12.9 J	10.8 J	18 J
PCB-58	ng/kg	21.1	35.2	13.4	21.8 J	18.9 J	52.5
PCB-60	ng/kg	4,630 E	5,730 E	4,460 BE	6,250 E	4,850 E	4,890
PCB-61/70/74/76	ng/kg	21,500 E	30,700 E	19,800 BE	28,700 E	22,800 E	24,400 E
PCB-62/75	ng/kg	1,420	2,230	1,340	1,770	1,430	1,550
PCB-63	ng/kg	402	692	261	383	361	435
PCB-64	ng/kg	290	648	220 B	354	273	384
PCB-66	ng/kg	38,900 BE	53,300 E	33,400 BE	47,700 BE	38,200 BE	40,400 BE
PCB-67	ng/kg	67.3	122	46.7	95.8	78.8	79.8
PCB-68	ng/kg	247	385	150	244	217	272
PCB-72	ng/kg	111	128	58.1	74.3	63.7	106
PCB-73	ng/kg	21.4	11.9 J	17.3	28.9	19 J	31.6 J
PCB-77	ng/kg	R	R	1,660 E	R	2,720	R
PCB-78	ng/kg	1.59 U	7.79 U	1.54 U	7.98 U	7.8 U	14.4 U
PCB-79	ng/kg	83.9	138	57	106	98.4	96.4
PCB-80	ng/kg	1.09 U	7.37 J	1.06 U	6.93 J	7.52 J	11.7 J
PCB-81	ng/kg	66.6	106	71.3	105	90.4	89.2
PCB-82	ng/kg	16.1	47.9	20.9	31.3	32.2	13.5 U
PCB-83	ng/kg	2.88 U	14.1 U	2.8 U	21.2 J	21.5 J	41 J
PCB-84	ng/kg	56.1	133	50.9	64.5	57.1	82.6
PCB-85/116/117	ng/kg	4,510 E	10,700 E	5,830 E	5,820	5,840	5,020
PCB-86/87/97/109/119/125	ng/kg	1,960	4,450	2,120	2,530	2,370	2,220
PCB-88	ng/kg	2.19 U	10.7 U	2.12 U	11 U	10.7 U	19.8 U
PCB-89	ng/kg	3.02 J	6.68 J	2.32 J	6.48 U	6.34 U	11.7 U
PCB-90/101/113	ng/kg	1,060 B	2,890	1,060 B	1,310	1,040	1,690
PCB-91	ng/kg	151	376	131	167	113	191
PCB-92	ng/kg	175	406	189	178	148	298
PCB-93/100	ng/kg	916	1,660	1,040	1,490	1,330	1,020
PCB-94	ng/kg	45.8	58.5	29.9	31.5	38.2	39.6 J
PCB-95	ng/kg	379	518	280	339	276	560
PCB-96	ng/kg	1.49 U	7.3 U	1.45 U	7.48 U	7.32 U	13.5 U
PCB-98/102	ng/kg	36.3	88.9 J	29.2	38.4 U	37.6 U	69.4 U
PCB-99	ng/kg	19,700 BE	44,600 E	26,300 BE	25,200 E	25,300 E	22,000 BE
PCB-103	ng/kg	6.08	20 J	8.05	16.2 J	8.27 J	16.7 J
PCB-104	ng/kg	2.42 J	6.82 U	1.74 J	6.98 U	6.83 U	12.6 U
PCB-105	ng/kg	8,250 BE	14,600 EJ	9,650 BE	12,200 E	12,300 E	11,000 BE
PCB-106	ng/kg	1.69 U	8.28 U	1.64 U	8.47 U	8.29 U	15.3 U
PCB-107	ng/kg	1,660 E	4,710 E	1,590 E	2,120	1,970	2,050
PCB-108/124	ng/kg	57.4	176	40.4	62.4	57.9	91.3
PCB-110/115	ng/kg	1,290 E	1,930	1,530 BE	1,740	1,620	1,740
PCB-111	ng/kg	40.2	77.8	50.8	44.8	47	45.5
PCB-112	ng/kg	1.39 U	6.82 U	1.35 U	33.5	21.8 J	12.6 U
PCB-114	ng/kg	618 E	994 J	722 E	917	951	766
PCB-118	ng/kg	30,700 BE	53,100 EJ	34,500 BE	44,200 BE	46,100 E	37,200 BE
PCB-120	ng/kg	193	502	240	251	287	221
PCB-121	ng/kg	19.9	44.8	26.3	31.9	29.6	10.8 U
PCB-122	ng/kg	1.19 U	5.84 U	1.16 U	5.98 U	28.4	12.9 J

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
PCB-123	ng/kg	559	1,060	598 E	912	965	699
PCB-126	ng/kg	72.2	139 J	89.4	110	105	97.3
PCB-127	ng/kg	26.9	45.6 J	29.9	49.1	56.6	28.2 J
PCB-128/166	ng/kg	2,320 E	3,900	3,090 E	3,730	3,510	2,880
PCB-129/138/163	ng/kg	19,800 BE	32,500 E	26,500 BE	30,500 E	29,600 E	24,900 BE
PCB-130	ng/kg	R	614	316	401	389	474
PCB-131	ng/kg	R	22.2 J	14.2	R	14.2 J	15.3 U
PCB-132	ng/kg	R	71.4	49.8	132	71.5	R
PCB-133	ng/kg	625 E	730	676 E	845	716	592
PCB-134	ng/kg	R	17.8 J	13.8	31.3 J	16.1 U	R
PCB-135/151	ng/kg	143	220	199	284	222	373
PCB-136	ng/kg	17	26.2	21.2	43.8	30.7	43.6 J
PCB-137	ng/kg	R	1,670	1,370 E	1,620	1,560	1,230
PCB-139/140	ng/kg	421	686	514	737	591	468
PCB-141	ng/kg	123	199	101	151	118	207
PCB-142	ng/kg	R	8.28 U	1.64 U	8.47 U	8.29 U	15.3 U
PCB-143	ng/kg	R	16.1 U	3.19 U	16.5 U	16.1 U	R
PCB-144	ng/kg	R	60.3	46	50.1	48.3	47
PCB-145	ng/kg	1.59 U	7.79 U	1.54 U	7.98 U	7.8 U	14.4 U
PCB-146	ng/kg	R	R	5,110 E	6,310 E	5,280 E	4,840 B
PCB-147/149	ng/kg	1,030 B	1,750	1,020 B	1,500	1,100	1,640
PCB-148	ng/kg	74	121	118	147	158	93.3
PCB-150	ng/kg	1.49 U	7.3 U	2.09 J	7.48 U	7.32 U	13.5 U
PCB-152	ng/kg	1.39 U	6.82 U	1.35 U	6.98 U	6.83 U	12.6 U
PCB-153/168	ng/kg	29,800 BE	45,800 E	38,800 BE	46,500 BE	44,800 E	35,400 BE
PCB-154	ng/kg	R	1,120	899 E	1,280	1,340	789
PCB-155	ng/kg	282	388	313	598	427	400
PCB-156/157	ng/kg	2,290 E	4,130	2,860 E	3,870	3,560	2,950
PCB-158	ng/kg	2,040 E	3,280 E	2,770 E	3,300 E	3,060 E	2,280
PCB-159	ng/kg	11	17.1 J	11.7	17.6 J	13.3 J	14.3 J
PCB-160	ng/kg	6.26 U	30.7 U	6.08 U	31.4 U	30.7 U	56.8 U
PCB-161	ng/kg	R	R	1.25 U	6.9 J	6.34 U	11.7 U
PCB-162	ng/kg	131	217	127	202	213	11.7 U
PCB-164	ng/kg	68.3	120	56.1	66.7	74.7	100
PCB-165	ng/kg	R	R	29.8	32.8	28.3	25.7 J
PCB-167	ng/kg	948 E	1,650	1,100 E	1,520	1,460	1,200
PCB-169	ng/kg	1.49 U	7.3 U	1.45 U	7.48 U	7.32 U	13.5 U
PCB-170	ng/kg	3,050 E	4,910 E	3,310 E	4,520 E	4,420 E	3,670
PCB-171/173	ng/kg	R	R	R	R	1,590	R
PCB-172	ng/kg	724 E	1,290	928 E	1,080	1,190	839
PCB-174	ng/kg	R	R	R	R	117	R
PCB-175	ng/kg	R	R	255	R	263	211
PCB-176	ng/kg	16.1	32.8	19	32.4	23.2 J	37.5 J
PCB-177	ng/kg	R	R	R	R	956	R
PCB-178	ng/kg	R	R	1,850 E	1,940	1,950	1,410
PCB-179	ng/kg	20.6	31.6	30.8	83.3	39.5	97.9
PCB-180/193	ng/kg	9,850 BE	20,000 E	14,200 BE	15 U	18,800 E	13,800 E
PCB-181	ng/kg	R	R	R	R	76.2	R
PCB-182	ng/kg	R	R	R	R	74.4	R

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
PCB-183/185	ng/kg	R	R	R	R	6,280 E	R
PCB-184	ng/kg	30.8	64	41.5	63	55.5	35.6 J
PCB-186	ng/kg	R	7.3 U	1.45 U	7.48 U	7.32 U	13.5 U
PCB-187	ng/kg	R	R	10,200 BE	R	11,300 E	R
PCB-188	ng/kg	1.49 U	84.3	68.8	107	77.3	98.2
PCB-189	ng/kg	152	301	193	272	261	203
PCB-190	ng/kg	910 E	1,160	914 E	1,210	763	977
PCB-191	ng/kg	119	290	205	274	277	205
PCB-192	ng/kg	3.64 J	8.79 J	1.25 U	6.48 U	6.34 U	11.7 U
PCB-194	ng/kg	1,570 E	2,540	1,830 E	2,010	1,990	1,870
PCB-195	ng/kg	395	621	453	754	560	481
PCB-196	ng/kg	998 E	1,640	1,470 E	1,850	1,850	1,280
PCB-197/200	ng/kg	R	202	145	208	239	38.7 U
PCB-198/199	ng/kg	2,990 E	4,020	3,540 E	4,200	4,550	3,280
PCB-201	ng/kg	291	560	446	651	649	432
PCB-202	ng/kg	878	1,290	1,060 E	1,350	1,150	1,120
PCB-203	ng/kg	1,280 E	2,220	1,830 E	2,010	2,380	1,590
PCB-204	ng/kg	4.22 J	11.6 J	2.03 U	10.5 U	12.1 J	18.9 U
PCB-205	ng/kg	27.9	52	38.5	55.8	44.4	43.4 J
PCB-206	ng/kg	908 E	1,370	1,210 E	1,700	1,190	1,250
PCB-207	ng/kg	141	233	190	305	188	178
PCB-208	ng/kg	479	740	681	973	637	705
PCB-209	ng/kg	R	885	743	1,260	760	839
Total PCB Congeners (209)	ng/kg	273,000 J	452,000 J	324,000 J	381,000 J	393,000 J	334,000 J
Aroclor PCBs							
Aroclor-1016	ug/kg	7.2 U	36 U	36 U	7.2 U	35 U	36 U
Aroclor-1221	ug/kg	9.1 U	45 U	45 U	9.1 U	45 U	46 U
Aroclor-1232	ug/kg	16 U	79 U	79 U	16 U	78 U	80 U
Aroclor-1242	ug/kg	6.6 U	33 U	33 U	6.6 U	32 U	33 U
Aroclor-1248	ug/kg	6.6 U	33 U	33 U	6.6 U	32 U	33 U
Aroclor-1254	ug/kg	6.6 U	33 U	33 U	6.6 U	32 U	33 U
Aroclor-1260	ug/kg	9.7 U	48 U	48 U	9.7 U	48 U	49 U
Aroclor-1262	ug/kg	6.6 U	33 U	51 J	49	59 J	33 U
Aroclor-1268	ug/kg	6.6 U	33 U	33 U	6.6 U	32 U	33 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	79 U	79 U	16 U	78 U	80 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	79 U	51 J	49	59 J	80 U
Pesticides							
2,4'-DDD	pg/g	46.2	60.4	46.6	88.1	106	141
2,4'-DDE	pg/g	111 JD	141 B	98.7	117 B	312 B	115 B
2,4'-DDT	pg/g	10.8 U	10.8 U	52.4	35.4	79.1 J	28.2 J
4,4'-DDD	pg/g	11,900	17,000	13,800 J	16,600 B	54,900 D	14,700 J
4,4'-DDE	pg/g	50,500 BDJ	58,700 BD	73,700 BD	68,400 BD	221,000 BD	61,200 BD
4,4'-DDT	pg/g	232 B	301	305 B	414 B	791 J	383
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U
Alpha-BHC	pg/g	20.8 J	24.8 J	26.5 J	31.1 J	101	28.1 J
Alpha-Chlordane	pg/g	4,850	1,570	1,620	2,020	6,710	1,480
Beta-BHC	pg/g	110	113	88.1	87.9	368	61.9
cis-Nonachlor	pg/g	3,970 DJ	5,320	4,830	5,350	28,700 D	4,170
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
Dieldrin	pg/g	5,660	1,910	6,120	7,080	36,500 D	2,790
Endosulfan I	pg/g	57.4 U	57.4 U	R	57.4 U	R	57.4 U
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 UJ	131 U	R	131 U	R	R
Endrin Ketone	pg/g	76 U	R	R	76 U	R	R
Gamma-BHC (Lindane)	pg/g	7.69 U	13.9 J	8.61 J	14.4 J	31.2 J	10.2 J
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	3,210	3,930	3,650	3,550	18,000	2,700
Hexachlorobenzene	pg/g	995 B	1,380 B	956 B	1,280 B	3,510 B	1,080 B
Methoxychlor	pg/g	38.9 UJ	38.9 U	38.9 UJ	38.9 UJ	R	R
Mirex	pg/g	156	104 J	125 J	184	595 J	119 J
Nonachlor, trans-	pg/g	9,750	9,650	8,950	9,940	55,300 D	7,960
Oxychlordane	pg/g	12,900 D	14,700	15,600	16,700	81,800 D	10,700
trans-Chlordane	pg/g	294 JD	238	187	260	938	189
trans-Heptachlor Epoxide	pg/g	830	1,120	938	1,380	5,310	854
Total Alpha + Gamma Chlordane	ppb	5.1 DJ	1.8	1.8	2.3	7.6	1.7
Total DDT (2,4)	ppb	0.16 DJ	0.2 B	0.2	0.24 B	0.5 BJ	0.28 BJ
Total DDT (4,4)	ppb	63 BDJ	76 BD	88 BDJ	85 BD	280 BDJ	76 BDJ
Total DDT (2,4 & 4,4)	ppb	63 BDJ	76 BD	88 BDJ	86 BD	280 BDJ	77 BDJ
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
1,2-Diphenylhydrazine	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
1-Methylnaphthalene	ug/kg	2.7 U	3.4 J	13 U	2.7 U	2.6 U	2.7 U
2,2'-oxybis(1-Chloropropane)	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2,4,6-Trichlorophenol	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2,4-Dichlorophenol	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
2,4-Dimethylphenol	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
2,4-Dinitrophenol	ug/kg	5,800 U	1,200 U	6,000 U	1,200 U	1,200 U	5,900 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U
2,6-Dinitrotoluene	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2-Chloronaphthalene	ug/kg	140 U	27 U	130 UJ	28 U	28 U	140 U
2-Chlorophenol	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2-Methylnaphthalene	ug/kg	2.7 U	4.2 J	13 U	2.7 U	2.6 U	2.7 U
2-Methylphenol	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2-Nitroaniline	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
2-Nitrophenol	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
3,3'-Dichlorobenzidine	ug/kg	1,900 U	390 U	2,000 U	400 UJ	400 U	2,000 U
3-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,200 U	650 U	3,300 U	670 UJ	670 U	3,300 U
4-Bromophenyl phenyl ether	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
4-Chloro-3-Methylphenol	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
4-Chloroaniline	ug/kg	650 U	130 U	670 U	130 UJ	130 U	650 U
4-Chlorophenyl phenyl ether	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
4-Methylphenol	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
4-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
4-Nitrophenol	ug/kg	3,200 U	650 U	3,300 U	670 U	670 U	3,300 U
Acenaphthene	ug/kg	7.8	15	14 J	11	8.4	10
Acenaphthylene	ug/kg	2.7 U	2.6 U	13 U	2.9 J	2.6 U	2.7 U
Acetophenone	ug/kg	320 U	99 J	330 U	67 UJ	67 U	330 U
Anthracene	ug/kg	2.7 U	5.6 J	49	7.3	2.6 U	2.7 J
Atrazine	ug/kg	650 U	130 U	670 U	130 U	130 U	650 U
Benzaldehyde	ug/kg	3,900	6,500	1,300 UJ	1,500 J	1,400	1,900 J
Benzidine	ug/kg	14,000 U	2,700 UJ	14,000 U	2,800 UJ	2,800 U	14,000 U
Benzo(a)anthracene	ug/kg	5.1 J	18	31 J	16	7.3	6.5 J
Benzo(a)pyrene	ug/kg	4.8 J	16	23 J	9.7	5.1 J	4.3 J
Benzo(b)fluoranthene	ug/kg	4.9 J	16	22 J	8.9	4.8 J	3.9 J
Benzo(e)pyrene	ug/kg	2.7 U	12	15 J	7.4	4.4 J	3.6 J
Benzo(g,h,i)perylene	ug/kg	3.7 J	11	16 J	5.6 J	3.5 J	2.7 J
Benzo(j,k)fluoranthene	ug/kg	3.9 J	13	19 J	9.4	4.5 J	4.3 J
Benzoic Acid	ug/kg	6,000 J	10,000 J	12,000	670 UJ	670 UJ	6,200 J
Biphenyl	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
bis(2-Chloroethyl)ether	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	1,300 U	270 UJ	270 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	1,300 U	270 UJ	270 U	1,300 U
C1-Chrysenes	ug/kg	2.7 U	8.2	13 U	8.7	4.5 J	2.7 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.7 U	34	32 J	21	2.6 U	2.7 U
C1-Fluorenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C1-Naphthalenes	ug/kg	3.2 J	8.7	13 U	8.9	4.3 J	6.4 J
C1-Phenanthrenes/Anthracenes	ug/kg	2.7 U	2.6 U	18 J	2.7 U	2.6 U	2.7 U
C2-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C2-Fluorenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C2-Naphthalenes	ug/kg	3.8 J	5.4 J	13 U	2.7 U	2.6 U	2.7 U
C2-Phenanthrene/anthracenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C3-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C3-Fluorenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C3-Naphthalene	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C3-Phenanthrene/anthracenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C4-Chrysenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C4-Naphthalene	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
C4-Phenanthrenes/anthracenes	ug/kg	2.7 U	2.6 U	13 U	2.7 U	2.6 U	2.7 U
Caprolactam	ug/kg	650 U	130 U	670 U	130 U	130 U	650 U
Carbazole	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
Chrysene	ug/kg	4.2 J	14	19 J	13	5.7 J	5.4 J
Dibenzo(a,h)anthracene	ug/kg	3.4 J	3.3 J	13 U	2.7 U	2.6 U	2.7 U
Dibenzofuran	ug/kg	320 U	65 U	330 U	67 U	67 U	330 U
Diethyl phthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	1,300 U	270 UJ	270 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	1,300 U	270 U	270 U	1,300 U
Fluoranthene	ug/kg	8.3	32	54	31	14	14
Fluorene	ug/kg	2.7 U	4.6 J	13 U	2.7 U	2.6 U	2.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 08/30/15 NB03CRB-CAR-N002	NB03CRBNOR 08/25/15 NB03CRB-CAR-N003	NB03CRBNOR 09/01/15 NB03CRB-CAR-N004	NB03CRBNOR 08/26/15 NB03CRB-CAR-N005	NB03CRBNOR 08/24/15 NB03CRB-CAR-N006	NB03CRBNOR 08/24/15 NB03CRB-CAR-N007
Hexachlorobutadiene	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
Hexachlorocyclopentadiene	ug/kg	3,200 U	650 U	3,300 U	670 U	670 U	3,300 U
Hexachloroethane	ug/kg	650 U	130 U	670 U	130 U	130 U	650 U
Indeno(1,2,3-cd)pyrene	ug/kg	4.8 J	14 J	24 J	7.5 J	4.3 J	4.2 J
Isophorone	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
Naphthalene	ug/kg	2.7 U	6 J	13 U	2.7 J	2.6 U	2.7 U
Nitrobenzene	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
N-Nitrosodiphenylamine	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
Pentachlorophenol	ug/kg	650 U	130 U	670 U	130 UJ	130 U	650 U
Perylene	ug/kg	2.7 U	5.2 J	13 U	3.9 J	2.6 U	2.7 U
Phenanthrene	ug/kg	5.9 J	16	49	13	5.3 J	5.7 J
Phenol	ug/kg	320 U	65 U	330 U	67 UJ	67 U	330 U
Pyrene	ug/kg	8	26	52	23	11	10
Pyridine	ug/kg	1,300 U	260 U	1,300 U	360 J	270 U	1,300 U
Total HMW PAHs	ppb	51 J	160 J	260 J	120 J	60 J	55 J
Total LMW PAHs	ppb	14 J	51 J	110 J	37 J	14 J	18 J
TOTAL PAHs	ppb	65 J	210 J	370 J	160 J	74 J	74 J
Physical Properties[1]							
Percent Moisture	%	80.3	78.2	81.8	78.9	81.3	80
Water Content ASTM D2216	%	409	359	448	374	433	401

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-CAR-N008	NB03CRBSOU 08/26/15 NB03CRB-CAR-S001	NB03CRBSOU 09/01/15 NB03CRB-CAR-S002	NB03CRBSOU 09/01/15 NB03CRB-CAR-S003	NB03CRBSOU 08/30/15 NB03CRB-CAR-S004	NB03CRBSOU 09/01/15 NB03CRB-CAR-S005
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	0.825 JB	1.11 JB	0.854 JB	0.566 JB	0.562 JB	1.08 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	3.38 JB	1.41 JB	4.51 JB	1.21 JB	1.21 JB	2.51 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.0629 JBQ	0.0866 JBQ	0.174 JB	0.0486 JBQ	0.0415 U	0.0424 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.118 JB	0.168 JBQ	0.144 JBQ	0.0622 JBQ	0.0809 JBQ	0.115 JB
1,2,3,4,7,8-HxCDF	ng/kg	3.37 JB	1.25 JB	2.28 JB	1.25 JB	1.25 JB	2.81 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.366 JBQ	0.406 JB	0.424 JB	0.215 JBQ	0.279 JB	0.417 JBQ
1,2,3,6,7,8-HxCDF	ng/kg	0.956 JB	0.421 JB	0.822 JB	0.411 JB	0.363 JBQ	0.936 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.14 JB	0.162 JBQ	0.158 JBQ	0.0697 JBQ	0.0971 JB	0.137 JB
1,2,3,7,8,9-HxCDF	ng/kg	0.109 JB	0.0597 JBQ	0.156 JB	0.0716 JBQ	0.0771 JB	0.0789 JB
1,2,3,7,8-PeCDD	ng/kg	0.0485 U	0.381 JBQ	0.0411 U	0.185 JBQ	0.264 J	0.0514 U
1,2,3,7,8-PeCDF	ng/kg	1.28 JB	1.41 JB	1.68 JB	0.806 JB	0.852 JB	1.31 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.296 JB	0.192 JBQ	0.243 JB	0.147 JB	0.131 JBQ	0.225 JB
2,3,4,7,8-PeCDF	ng/kg	3.73 JB	2.19 JB	3.13 JB	1.64 JB	1.33 JB	3.04 JB
2,3,7,8-TCDD	ng/kg	19.3	10.9	16	9.93	10	12.5
2,3,7,8-TCDF	ng/kg	6.04 C	7.18 BC	7.54 C	4.57 C	4.1 C	5.35 C
OCDD	ng/kg	5 JB	5.72 JB	3.96 JB	2.64 JB	2.85 JB	6.25 JB
OCDF	ng/kg	0.832 JBQ	0.5 JBQ	5.67 JB	0.65 JB	0.339 JBQ	0.686 JB
Percent Lipid	%	1.1	1.7	1.3	0.99	0.79	1.7
Metals							
Aluminum	mg/kg	90.3	58	56.6	39.9	28.1	37.8
Antimony	mg/kg	0.066 U	0.0635 U	0.0641 U	0.0647 U	0.0635 U	0.0653 U
Arsenic	mg/kg	2.01	2.35	2.86	2.01	2.34	2.21
Barium	mg/kg	6.36	2.39	4.56	2.1	2.55	2.28
Beryllium	mg/kg	0.0142 U	0.0137 U	0.0138 U	0.0139 U	0.0137 U	0.0141 U
Cadmium	mg/kg	0.205	0.339	0.309	0.2	0.258	0.265
Calcium	mg/kg	3,140	3,820	5,160	3,570	5,320	4,370
Chromium	mg/kg	0.428	0.367 B	0.465	0.304 B	0.286 B	0.263 B
Cobalt	mg/kg	0.16	0.128	0.155	0.106	0.0735 B	0.123
Copper	mg/kg	28.6	35.6	42.4	27.2	44.8	42.5
Iron	mg/kg	264	161	322	157	160	158
Lead	mg/kg	1.28	0.981	2.57	1.32	18.3	0.986
Magnesium	mg/kg	644	621	968	692	899	1,000
Manganese	mg/kg	30	15.5	29.7	20.6	28.8	23.3
Mercury	ng/g	35.6	39.2	32.2	34	73.6	28.6
Methyl Mercury	ng/g	41.5	35.4	22.6	39.1	37.9	35.2
Nickel	mg/kg	0.314 B	0.698	0.347 B	0.209 B	0.241 B	0.364 B
Potassium	mg/kg	1,800	2,140	2,350	1,960	2,490	2,370
Selenium	mg/kg	1.02	1.03	1.21	1.01	1.18	1.1
Silver	mg/kg	1.04	0.821	1.37	0.86	1.17	1.19
Sodium	mg/kg	5,110	5,160	6,640	5,650	7,020	7,010
Thallium	mg/kg	0.03 U	0.0288 U	0.0291 U	0.0294 U	0.0288 U	0.0297 U
Titanium	mg/kg	3.9	1.94	0.165 U	0.167 U	0.844 B	0.168 U
Vanadium	mg/kg	0.554	0.255	0.675	0.238	0.273	0.258
Zinc	mg/kg	25.1	30.8	33.8	27.4	29.2	29.5
Butyltins							
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	1.3 U	1.3 UJ	1.3 U
Monobutyltin	ug/kg	20 UCN	20 UCN	21 UCN	20 UCN	20 UJCN	20 UCN
Tetrabutyltin	ug/kg	1.7 U	1.6 U	1.7 U	1.7 U	1.7 UJ	1.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-CAR-N008	NB03CRBSOU 08/26/15 NB03CRB-CAR-S001	NB03CRBSOU 09/01/15 NB03CRB-CAR-S002	NB03CRBSOU 09/01/15 NB03CRB-CAR-S003	NB03CRBSOU 08/30/15 NB03CRB-CAR-S004	NB03CRBSOU 09/01/15 NB03CRB-CAR-S005
Tributyltin	ug/kg	1.5 U	1.5 U	1.5 U	1.5 U	1.5 UJ	1.5 U
PCB Congeners							
PCB-1	ng/kg	0.983 U	13.2	0.962 U	0.974 U	0.995 U	0.973 U
PCB-2	ng/kg	1.45 J	3.38 U	0.673 U	1.58 J	1.08 J	1.42 J
PCB-3	ng/kg	3.99 J	R	6.5	4.1 J	3.26 J	4.72 J
PCB-4	ng/kg	1.28 U	34.5 B	1.25 U	1.27 U	1.29 U	1.26 U
PCB-5	ng/kg	0.787 U	3.86 U	0.769 U	0.779 U	0.796 U	0.778 U
PCB-6	ng/kg	0.688 U	12.1 B	0.673 U	0.682 U	0.697 U	0.681 U
PCB-7	ng/kg	4.18	3.86 U	0.769 U	5.53	1.37 J	0.778 U
PCB-8	ng/kg	1.47 U	44.4 B	1.44 U	1.46 U	32.9	1.46 U
PCB-9	ng/kg	0.688 U	3.38 U	1.68 J	1.06 J	1.81 J	0.681 U
PCB-10	ng/kg	2.63 J	6.28 U	3.59 J	3.06 J	1.29 U	1.26 U
PCB-11	ng/kg	96.4	139 B	101	80.5	91.1 B	87.6
PCB-12/13	ng/kg	33.5	9.18 U	25.5	18.9	21.2	19.9
PCB-14	ng/kg	0.787 U	3.86 U	0.769 U	1.33 J	0.796 U	0.778 U
PCB-15	ng/kg	1,410 BE	922	1,230 BE	994 BE	1,370 BE	1,230 BE
PCB-16	ng/kg	0.885 U	21.5 B	0.865 U	0.876 U	0.896 U	0.875 U
PCB-17	ng/kg	44.2	62.1 B	60.5	26.4	0.896 U	33.3
PCB-18/30	ng/kg	75.6	96.8 B	85.3	41.8	1.59 U	44.6
PCB-19	ng/kg	4.97	11.8	13.6	3.39	3.1	4.97
PCB-20/28	ng/kg	20,300 BE	10,400 BE	17,100 BE	11,300 BE	16,700 BE	20,000 BE
PCB-21/33	ng/kg	78 B	64	74 B	39.9 B	52	52.1 B
PCB-22	ng/kg	136 B	162	159 B	69.8 B	96.3 B	76.3 B
PCB-23	ng/kg	0.688 U	3.38 U	0.673 U	0.682 U	0.697 U	0.681 U
PCB-24	ng/kg	0.983 U	4.83 U	0.962 U	0.974 U	0.995 U	0.973 U
PCB-25	ng/kg	47.7	67.6	50.6	35.4	37.4	42.7
PCB-26/29	ng/kg	62.1 B	86.2	62.8 B	53 B	52.5	43.9 B
PCB-27	ng/kg	15.7	22.3	20.6	11.7	8.85	12.2
PCB-31	ng/kg	212 B	446 B	269 B	137 B	224 B	171 B
PCB-32	ng/kg	63.5 B	94.3 B	82.6 B	40 B	40.3 B	57.3 B
PCB-34	ng/kg	13.6	6.33 J	8.36	5.44	4.29	19.3
PCB-35	ng/kg	10.8	14.1	8.08	5.78	6.74	6.8
PCB-36	ng/kg	3.5	4.53 J	4.02	3.28	3.47	5.44
PCB-37	ng/kg	2,590 BE	1,490 E	2,110 BE	1,610 BE	2,060 E	2,260 BE
PCB-38	ng/kg	3.94	3.38 U	6.14	2.97	4.56	3.95
PCB-39	ng/kg	29.9	18.4	19.4	12.1	17.6	27.9
PCB-40/71	ng/kg	381	353	435	258	187	401
PCB-41	ng/kg	4.43 J	20.3 U	5.5 J	4.09 U	4.18 U	4.09 U
PCB-42	ng/kg	71.8	162	106	35.6	40.5	64.8
PCB-43	ng/kg	19.9	21.9 J	23	9.27	10.1	13.5
PCB-44/47/65	ng/kg	15,300 BE	7,290	11,000 BE	5,290 BE	6,740 BE	12,200 BE
PCB-45	ng/kg	5.6	15.8 J	13.4	3.78 J	3.58 J	3.9 J
PCB-46	ng/kg	3.49	9.61 J	7.17	2.18	2.31	2.77
PCB-48	ng/kg	35.2	6.76 U	47.2	16.1	1.39 U	26.5
PCB-49/69	ng/kg	164 B	344	295 B	107 B	107	155 B
PCB-50/53	ng/kg	22.2	38.6 J	40.5	13.2	12.8	15.7
PCB-51	ng/kg	16	24.3	20.4	6.6	7.36	12.1
PCB-52	ng/kg	244	344	381	143	142 B	174
PCB-54	ng/kg	1.38 U	6.76 U	1.35 U	1.36 U	1.39 U	1.36 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU
Date Homogenized:		09/01/15	08/26/15	09/01/15	09/01/15	08/30/15	09/01/15
Sample Name:	Units	NB03CRB-CAR-N008	NB03CRB-CAR-S001	NB03CRB-CAR-S002	NB03CRB-CAR-S003	NB03CRB-CAR-S004	NB03CRB-CAR-S005
PCB-55	ng/kg	31.5	5.8 U	23.4	15.7	30.8	27.6
PCB-56	ng/kg	200	300	223	101	127	137
PCB-57	ng/kg	8.41	7.99 J	9.28	9.09	7.19	7.37
PCB-58	ng/kg	25.9	6.76 U	11.9	9.91	3.91 J	49
PCB-60	ng/kg	3,310 BE	2,650	3,360 BE	1,940 BE	2,830 E	3,090 BE
PCB-61/70/74/76	ng/kg	13,900 BE	9,260	12,300 BE	5,760 BE	8,580 E	12,800 BE
PCB-62/75	ng/kg	1,140	597	888	445	547	1,010
PCB-63	ng/kg	147	177	131	66.3	126	177
PCB-64	ng/kg	136 B	321	202 B	78.2 B	113	136 B
PCB-66	ng/kg	26,600 BE	15,500 BE	22,800 BE	11,400 BE	16,800 BE	24,100 BE
PCB-67	ng/kg	34.8	39.9	31.6	17.5	26	30.4
PCB-68	ng/kg	124	98.6	95.4	60	93.4	128
PCB-72	ng/kg	41.7	36.3	36.3	30.8	38.3	43.5
PCB-73	ng/kg	22.8	6.76 U	14.6	10.7	3.13 J	38.3
PCB-77	ng/kg	1,980 E	R	1,650 E	1,130 E	1,410 E	1,770 E
PCB-78	ng/kg	1.57 U	7.73 U	1.54 U	1.56 U	1.59 U	1.56 U
PCB-79	ng/kg	47.7	37.1	45.2	21.6	31.9	43.4
PCB-80	ng/kg	4.16 J	5.31 U	1.06 U	2.49 J	3.64 J	4.33 J
PCB-81	ng/kg	49.2	43.1	53.1	28.6	34.9	47.1
PCB-82	ng/kg	18.3	30.9	38.2	9.92	11.2	16.6
PCB-83	ng/kg	2.85 U	25.1 J	2.79 U	2.82 U	2.89 U	2.82 U
PCB-84	ng/kg	38	62	68.9	17	14.3	32.3
PCB-85/116/117	ng/kg	4,100 E	2,510	3,650 E	1,520	1,820 E	3,970 E
PCB-86/87/97/109/119/125	ng/kg	1,890	1,270	1,610	755	839	1,640
PCB-88	ng/kg	2.16 U	10.6 U	2.12 U	2.14 U	2.19 U	2.14 U
PCB-89	ng/kg	1.54 J	6.28 U	3.65 J	1.27 U	1.29 U	1.43 J
PCB-90/101/113	ng/kg	760 B	978	948 B	418 B	460 B	870 B
PCB-91	ng/kg	76.1	118	111	47.2	47.7	88.8
PCB-92	ng/kg	160	137	189	107	92.6	132
PCB-93/100	ng/kg	1,070	496	682	372	436	700
PCB-94	ng/kg	29.6	19.5 J	26.6	14.3	8.74	34.6
PCB-95	ng/kg	198	294	300	109	R	181
PCB-96	ng/kg	1.47 U	7.25 U	1.44 U	1.46 U	1.49 U	1.46 U
PCB-98/102	ng/kg	18.7 J	37.2 U	7.4 U	12.9 J	10.3 J	21.6
PCB-99	ng/kg	19,800 BE	11,400 E	16,900 BE	6,990 BE	8,940 BE	17,500 BE
PCB-103	ng/kg	6.63	11.4 J	12	4.17 J	3.41 J	6.34
PCB-104	ng/kg	1.38 U	6.76 U	1.35 U	1.36 U	1.39 U	1.36 U
PCB-105	ng/kg	7,340 BE	5,420 E	7,000 BE	3,650 BE	5,100 BE	7,170 BE
PCB-106	ng/kg	1.67 U	8.21 U	1.63 U	1.66 U	1.69 U	1.65 U
PCB-107	ng/kg	1,190 E	984	1,080 E	484	823 E	1,180 E
PCB-108/124	ng/kg	32.4	45.7 J	39.1	20.9	26	33.2
PCB-110/115	ng/kg	1,120 B	1,190	1,300 BE	582 B	538	1,130 B
PCB-111	ng/kg	47.9	25.4	42.8	26.3	27.2	36.4
PCB-112	ng/kg	1.38 U	9.19 J	1.35 U	1.36 U	1.39 U	1.36 U
PCB-114	ng/kg	518	368	495	198	292	482
PCB-118	ng/kg	26,000 BE	17,800 BE	21,800 BE	10,100 BE	14,700 BE	24,000 BE
PCB-120	ng/kg	193	125	173	87.1	104	167
PCB-121	ng/kg	24.6	14.2 J	19.6	10.5	12.8	18.2
PCB-122	ng/kg	5.17	8.52 J	1.15 U	2.87 J	1.19 U	1.17 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU
Date Homogenized:		09/01/15	08/26/15	09/01/15	09/01/15	08/30/15	09/01/15
Sample Name:	Units	NB03CRB-CAR-N008	NB03CRB-CAR-S001	NB03CRB-CAR-S002	NB03CRB-CAR-S003	NB03CRB-CAR-S004	NB03CRB-CAR-S005
PCB-123	ng/kg	458	378	430	202	280	448
PCB-126	ng/kg	71.2	51.6	57.4	32.4	43.6	56.4
PCB-127	ng/kg	18.3	15.5 J	22	6.54	12.8	19.2
PCB-128/166	ng/kg	2,000 E	1,740	1,760 E	826	1,280 E	2,230 E
PCB-129/138/163	ng/kg	17,900 BE	15,200 E	16,100 BE	7,160 BE	12,300 BE	18,400 BE
PCB-130	ng/kg	243	260	260	128	158	309
PCB-131	ng/kg	8.43	R	9.93	4.66 J	5.71	10.2
PCB-132	ng/kg	44.4	87.4	109	31.1	22.3	50.8
PCB-133	ng/kg	524	405	497	239	424	455
PCB-134	ng/kg	12.4	18.9 J	23.3	6.78 J	5.28 J	11.2
PCB-135/151	ng/kg	166	183	268	105	79.5	169
PCB-136	ng/kg	17.8	25.8	43	9.62	7.34	19
PCB-137	ng/kg	970 E	657	881 E	335	513	977 E
PCB-139/140	ng/kg	386	332	335	137	217	370
PCB-141	ng/kg	90.7	97.2	87.8	43.3	57	73.9
PCB-142	ng/kg	1.67 U	8.21 U	1.63 U	1.66 U	1.69 U	1.65 U
PCB-143	ng/kg	3.24 U	15.9 U	3.17 U	3.21 U	3.28 U	3.21 U
PCB-144	ng/kg	33.2	29.8	33.1	18.6	15.8	33.2
PCB-145	ng/kg	1.57 U	7.73 U	1.54 U	1.56 U	1.59 U	1.56 U
PCB-146	ng/kg	3,720 E	3,000 E	3,520 E	1,490 E	R	3,480 E
PCB-147/149	ng/kg	651 B	999	792 B	377 B	475 B	825 B
PCB-148	ng/kg	110	83	94.3	39.7	55.2	94.3
PCB-150	ng/kg	1.92 J	7.25 U	4 J	1.46 U	1.49 U	1.46 U
PCB-152	ng/kg	1.38 U	6.76 U	1.35 U	1.36 U	1.39 U	1.36 U
PCB-153/168	ng/kg	26,700 BE	20,700 BE	23,500 BE	9,850 BE	17,300 BE	24,700 BE
PCB-154	ng/kg	875 E	622	698 E	333	450	752 E
PCB-155	ng/kg	259	139	207	80.8	125	175
PCB-156/157	ng/kg	2,020 E	1,640	1,820 E	796	1,320 E	1,980 E
PCB-158	ng/kg	1,940 E	1,590	1,800 E	719 E	1,180 E	1,920 E
PCB-159	ng/kg	9.59	6.76 U	5.35	3.68 J	4.52 J	5.02
PCB-160	ng/kg	6.19 U	30.4 U	6.06 U	6.13 U	6.27 U	6.13 U
PCB-161	ng/kg	1.28 U	6.28 U	1.25 U	1.27 U	1.29 U	1.26 U
PCB-162	ng/kg	106	108	109	50.6	86.2	92.3
PCB-164	ng/kg	45.6	54.7	54.9	28.2	22.2	59.7
PCB-165	ng/kg	25.3	20.7 J	27.4	14.1	R	22.5
PCB-167	ng/kg	840 E	693	717 E	349	563	816 E
PCB-169	ng/kg	2.26 J	7.25 U	1.44 U	1.46 U	1.49 U	1.46 U
PCB-170	ng/kg	2,000 E	1,650	1,570 E	639 E	1,070 E	2,200 E
PCB-171/173	ng/kg	846	R	R	310	R	R
PCB-172	ng/kg	668 E	417	548	206	318	558
PCB-174	ng/kg	70	R	R	31.8	R	R
PCB-175	ng/kg	183	R	161	64	109	172
PCB-176	ng/kg	12.3	27.1	18.4	7.27	6.33	15.9
PCB-177	ng/kg	R	R	R	R	R	R
PCB-178	ng/kg	1,500 E	1,250	1,340 E	552	902 E	1,310 E
PCB-179	ng/kg	27.8	55.5	61.2	16.1	11.2	30.4
PCB-180/193	ng/kg	9,690 BE	8,140 E	7,940 BE	3,040 BE	2.99 U	8,560 BE
PCB-181	ng/kg	R	R	R	R	R	R
PCB-182	ng/kg	46	R	R	14.4	R	R

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU
Date Homogenized:		09/01/15	08/26/15	09/01/15	09/01/15	08/30/15	09/01/15
Sample Name:	Units	NB03CRB-CAR-N008	NB03CRB-CAR-S001	NB03CRB-CAR-S002	NB03CRB-CAR-S003	NB03CRB-CAR-S004	NB03CRB-CAR-S005
PCB-183/185	ng/kg	3,000 E	R	R	1,080	2,120 E	R
PCB-184	ng/kg	32.5	35.2	25.8	10.2	16	29.6
PCB-186	ng/kg	1.47 U	7.25 U	1.44 U	1.46 U	1.49 U	1.46 U
PCB-187	ng/kg	7,960 BE	R	6,780 BE	2,820 BE	5,140 E	7,460 BE
PCB-188	ng/kg	54.7	53.1	50.5	21.5	1.49 U	53
PCB-189	ng/kg	137	100 J	105	45.7	82.3	125
PCB-190	ng/kg	655 E	522	490	211	371	593 E
PCB-191	ng/kg	148	136	126	53.7	81.4	136
PCB-192	ng/kg	1.28 U	6.28 U	1.25 U	1.27 U	1.29 U	2.15 J
PCB-194	ng/kg	1,090 E	519	871 E	328	564	1,070 E
PCB-195	ng/kg	255	158	191	73.2	121	272
PCB-196	ng/kg	973 E	508	804	260	438	876 E
PCB-197/200	ng/kg	93.6	96.9	89.3	33.7	57.2	97.1
PCB-198/199	ng/kg	2,520 E	1,200	2,170 E	675	1,130	2,430 E
PCB-201	ng/kg	298	322	277	109	214	304
PCB-202	ng/kg	749	786	779	307	668	781
PCB-203	ng/kg	1,190 E	609	840	301	561	1,220 E
PCB-204	ng/kg	4.1 J	10.1 U	3.45 J	2.04 U	2.09 U	4.45 J
PCB-205	ng/kg	18.8	15.1 J	15.6	7.3	9.65	24.9
PCB-206	ng/kg	748	528	631	251	414	894 E
PCB-207	ng/kg	120	87.3	102	36	59.6	117
PCB-208	ng/kg	434	291	396	138	254	407
PCB-209	ng/kg	529	459	506	177	318	518
Total PCB Congeners (209)	ng/kg	250,000 J	162,000 J	213,000 J	102,000 J	145,000 J	229,000 J
Aroclor PCBs							
Aroclor-1016	ug/kg	36 U	7.1 U	7.2 U	7.1 U	7 U	7.2 U
Aroclor-1221	ug/kg	45 U	9 U	9.2 U	9.1 U	9 U	9.2 U
Aroclor-1232	ug/kg	79 U	16 U	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	33 U	6.5 U	6.6 U	6.5 U	6.4 U	6.6 U
Aroclor-1248	ug/kg	33 U	6.5 U	6.6 U	6.5 U	6.4 U	6.6 U
Aroclor-1254	ug/kg	33 U	6.5 U	6.6 U	6.5 U	6.4 U	6.6 U
Aroclor-1260	ug/kg	48 U	9.6 U	9.8 U	9.7 U	9.5 U	9.8 U
Aroclor-1262	ug/kg	33 U	6.5 U	21 J	13 J	6.4 U	20 J
Aroclor-1268	ug/kg	33 U	6.5 U	6.6 U	6.5 U	6.4 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	79 U	16 U	16 U	16 U	16 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	79 U	16 U	21 J	13 J	16 U	20 J
Pesticides							
2,4'-DDD	pg/g	34.4	513	180	38.6 J	20.2 J	46.1
2,4'-DDE	pg/g	R	295 B	155	44.6 J	52.7	74.5
2,4'-DDT	pg/g	21 J	663 J	10.8 U	21.7 J	12.5 J	R
4,4'-DDD	pg/g	16,500	19,000 BJ	16,300	8,810	8,850	13,800 J
4,4'-DDE	pg/g	59,800 BD	62,400 BD	82,600 BD	45,800 BD	31,100 BD	61,600 BD
4,4'-DDT	pg/g	138 BJ	1,670 BJ	223 B	77.9 BJ	103 BJ	206 BJ
Aldrin	pg/g	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U	9.16 U
Alpha-BHC	pg/g	23.2 J	20 J	28.3 J	R	14.9 J	23.1 J
Alpha-Chlordane	pg/g	324	747	815	108	1,840	1,090
Beta-BHC	pg/g	54.1 J	36.5	42.7	23.8 J	34.5 J	52.7 J
cis-Nonachlor	pg/g	5,040	1,460	1,830	1,720	1,540	3,450 J
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID:		NB03CRBNOR	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU	NB03CRBSOU
Date Homogenized:		09/01/15	08/26/15	09/01/15	09/01/15	08/30/15	09/01/15
Sample Name:	Units	NB03CRB-CAR-N008	NB03CRB-CAR-S001	NB03CRB-CAR-S002	NB03CRB-CAR-S003	NB03CRB-CAR-S004	NB03CRB-CAR-S005
Dieldrin	pg/g	6,270	1,900	1,850	2,030	1,770	3,880
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	23.8 J	58.3 U	R
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	63.3 U	14.2 J	63.3 U	R
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 U	R	131 U	131 U	131 UJ	R
Endrin Ketone	pg/g	76 U	R	76 U	76 U	76 U	R
Gamma-BHC (Lindane)	pg/g	9.26 J	7.69 U	7.69 U	4.58 J	7.69 U	8.87 J
Heptachlor	pg/g	32.5 U	32.5 U	32.5 UD	32.5 U	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	2,990	698	1,290	1,110	925	1,630
Hexachlorobenzene	pg/g	988 B	418 B	512 B	488 B	401 B	536 B
Methoxychlor	pg/g	38.9 UJ	R	38.9 UJ	38.9 UJ	38.9 UJ	R
Mirex	pg/g	109	105 J	111 J	60.9	61.5	94.1 J
Nonachlor, trans-	pg/g	11,300	2,750 J	4,050	3,600	2,670	5,520
Oxychlordane	pg/g	11,700	4,300	6,040	4,610	4,680	7,210
trans-Chlordane	pg/g	R	13.7 U	174	13.7 U	79.7	188
trans-Heptachlor Epoxide	pg/g	441	476	519	250	352	605
Total Alpha + Gamma Chlordane	ppb	0.32 T	0.75	0.99	0.11	1.9	1.3
Total DDT (2,4)	ppb	0.055 T	1.5 BJ	0.34	0.1 J	0.085 J	0.12 T
Total DDT (4,4)	ppb	76 BDJ	83 BDJ	99 BD	55 BDJ	40 BDJ	76 BDJ
Total DDT (2,4 & 4,4)	ppb	76 BDT	85 BDJ	99 BD	55 BDJ	40 BDJ	76 BDT
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
1,2-Diphenylhydrazine	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
1-Methylnaphthalene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2,4,6-Trichlorophenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2,4-Dichlorophenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2,4-Dimethylphenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2,4-Dinitrophenol	ug/kg	6,000 U	1,200 U	6,000 U	6,000 UJ	6,000 U	6,000 U
2,4-Dinitrotoluene	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
2,6-Dinitrotoluene	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2-Chloronaphthalene	ug/kg	130 UJ	28 U	130 UJ	130 UJ	140 U	130 UJ
2-Chlorophenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2-Methylnaphthalene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
2-Methylphenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2-Nitroaniline	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
2-Nitrophenol	ug/kg	330 U	66 UJ	330 U	330 UJ	330 U	330 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	390 U	2,000 U	2,000 UJ	2,000 U	2,000 U
3-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	660 U	3,300 U	3,300 UJ	3,300 U	3,300 U
4-Bromophenyl phenyl ether	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
4-Chloro-3-Methylphenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
4-Chloroaniline	ug/kg	660 U	130 U	670 U	670 UJ	660 U	670 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
4-Methylphenol	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
4-Nitroaniline	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-CAR-N008	NB03CRBSOU 08/26/15 NB03CRB-CAR-S001	NB03CRBSOU 09/01/15 NB03CRB-CAR-S002	NB03CRBSOU 09/01/15 NB03CRB-CAR-S003	NB03CRBSOU 08/30/15 NB03CRB-CAR-S004	NB03CRBSOU 09/01/15 NB03CRB-CAR-S005
4-Nitrophenol	ug/kg	3,300 U	660 U	3,300 U	3,300 UJ	3,300 U	3,300 U
Acenaphthene	ug/kg	13 U	4.7 J	9	6.1 J	4.9 J	4.4 J
Acenaphthylene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Acetophenone	ug/kg	330 U	66 UJ	330 U	330 UJ	330 U	330 U
Anthracene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	3.2 J	2.7 U
Atrazine	ug/kg	660 U	130 U	670 U	670 UJ	660 U	670 U
Benzaldehyde	ug/kg	2,000 J	410 J	1,300 UJ	1,300 UJ	4,200	1,300 UJ
Benzidine	ug/kg	14,000 U	2,800 U	14,000 U	14,000 UJ	14,000 U	14,000 U
Benzo(a)anthracene	ug/kg	13 U	2.6 U	7.9	2.7 U	5 J	2.7 U
Benzo(a)pyrene	ug/kg	13 U	2.6 U	5 J	2.7 U	2.6 U	2.7 U
Benzo(b)fluoranthene	ug/kg	13 U	2.6 U	4.5 J	2.7 U	2.6 U	2.7 U
Benzo(e)pyrene	ug/kg	13 U	2.6 U	3.9 J	2.7 U	2.6 U	2.7 U
Benzo(g,h,i)perylene	ug/kg	13 UJ	2.6 U	3.6 J	2.7 UJ	2.6 U	2.7 UJ
Benzo(j,k)fluoranthene	ug/kg	13 U	2.6 U	4.3 J	2.7 U	2.6 U	2.7 U
Benzoic Acid	ug/kg	3,600 J	660 U	3,300 U	3,300 UJ	3,300 U	3,300 U
Biphenyl	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
bis(2-Chloroethyl)ether	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
C1-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C1-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C1-Fluorenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C1-Naphthalenes	ug/kg	13 U	3.7 J	5.3 J	4.1 J	3.6 J	5.8 J
C1-Phenanthrenes/Anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C2-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C2-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C2-Fluorenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C2-Naphthalenes	ug/kg	13 U	2.6 U	4.4 J	2.7 U	3 J	2.7 U
C2-Phenanthrene/anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Fluoranthenes/Pyrenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Fluorenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Naphthalene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C3-Phenanthrene/anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C4-Chrysenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C4-Naphthalene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
C4-Phenanthrenes/anthracenes	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Caprolactam	ug/kg	660 U	130 U	670 U	670 UJ	660 U	670 U
Carbazole	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
Chrysene	ug/kg	13 U	2.6 U	6 J	2.7 U	3.2 J	2.7 U
Dibenzo(a,h)anthracene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Dibenzofuran	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
Diethyl phthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	260 U	1,300 U	1,300 UJ	1,300 U	1,300 U
Fluoranthene	ug/kg	13 U	2.6 U	11	2.7 U	8.5	2.7 U
Fluorene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.9 J	2.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBNOR 09/01/15 NB03CRB-CAR-N008	NB03CRBSOU 08/26/15 NB03CRB-CAR-S001	NB03CRBSOU 09/01/15 NB03CRB-CAR-S002	NB03CRBSOU 09/01/15 NB03CRB-CAR-S003	NB03CRBSOU 08/30/15 NB03CRB-CAR-S004	NB03CRBSOU 09/01/15 NB03CRB-CAR-S005
Hexachlorobutadiene	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	660 U	3,300 U	3,300 UJ	3,300 U	3,300 U
Hexachloroethane	ug/kg	660 U	130 U	670 U	670 UJ	660 U	670 U
Indeno(1,2,3-cd)pyrene	ug/kg	13 UJ	2.6 U	2.6 UJ	2.7 UJ	2.6 U	2.7 UJ
Isophorone	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
Naphthalene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Nitrobenzene	ug/kg	330 U	66 UJ	330 U	330 UJ	330 U	330 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	66 UJ	330 U	330 UJ	330 U	330 U
N-Nitrosodiphenylamine	ug/kg	330 U	66 U	330 U	330 UJ	330 U	330 U
Pentachlorophenol	ug/kg	660 U	130 U	670 U	670 UJ	660 U	670 U
Perylene	ug/kg	13 U	2.6 U	2.6 U	2.7 U	2.6 U	2.7 U
Phenanthrene	ug/kg	13 U	2.6 U	7.6	2.7 U	6.5 J	2.7 U
Phenol	ug/kg	330 U	66 UJ	330 U	330 UJ	330 U	330 U
Pyrene	ug/kg	13 U	2.6 U	10	2.7 U	7.2	2.8 J
Pyridine	ug/kg	1,300 U	820	1,300 U	1,300 UJ	1,300 U	1,300 U
Total HMW PAHs	ppb	13 UJ	2.6 U	52 J	2.7 UJ	24 J	2.8 J
Total LMW PAHs	ppb	13 U	4.7 J	17	6.1 J	18 J	4.4 J
TOTAL PAHs	ppb	13 UJ	4.7 J	69 J	6.1 J	41 J	7.2 J
Physical Properties[1]							
Percent Moisture	%	81.2	77.5	78.4	78.8	80.4	79.5
Water Content ASTM D2216	%	432	343	363	372	411	388

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	ng/kg	0.879 JB	1.02 JBQ	1.01 JBQ	0.81 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	0.732 JBQ	1.26 JBQ	1.2 JB	1.22 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.112 JBQ	0.119 JBQ	0.112 JBQ	0.0315 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.0784 JQ	0.119 JB	0.0788 JBQ	0.0554 JB
1,2,3,4,7,8-HxCDF	ng/kg	1.35 JBQ	0.93 JB	0.916 JB	1.05 J
1,2,3,6,7,8-HxCDD	ng/kg	0.301 JQ	0.322 J	0.301 JB	0.248 J
1,2,3,6,7,8-HxCDF	ng/kg	0.473 JB	0.536 JB	0.372 JB	0.368 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.132 J	0.149 JQ	0.148 JBQ	0.0967 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.0595 U	0.0482 U	0.0576 U	0.0705 JB
1,2,3,7,8-PeCDD	ng/kg	0.421 J	0.517 JBQ	0.449 JB	0.8 JQ
1,2,3,7,8-PeCDF	ng/kg	1.11 JBQ	0.992 JB	1.02 JB	1.06 JBQ
2,3,4,6,7,8-HxCDF	ng/kg	0.173 JB	0.169 JB	0.151 JBQ	0.149 J
2,3,4,7,8-PeCDF	ng/kg	1.88 JB	1.91 JB	1.77 JB	1.55 JB
2,3,7,8-TCDD	ng/kg	9.27	7.05	7.82	8.37
2,3,7,8-TCDF	ng/kg	6.23 C	5.62 BC	5.3 BC	6.1 C
OCDD	ng/kg	5.94 JB	8 JB	6.72 JB	4.26 JB
OCDF	ng/kg	0.391 JB	0.629 JB	0.484 JB	0.427 JBQ
Percent Lipid	%	1.5	1.6	0.58	1.2
Metals					
Aluminum	mg/kg	29	78.8	60.8	46.5
Antimony	mg/kg	0.0629 U	0.0635 U	0.066 U	0.0629 U
Arsenic	mg/kg	1.8	2.55	2.15	3.3
Barium	mg/kg	1.98	3.4	3.26	3.01
Beryllium	mg/kg	0.0135 U	0.0137 U	0.0142 U	0.0135 U
Cadmium	mg/kg	0.142	0.211	0.236	0.411
Calcium	mg/kg	4,280	4,940	4,480	7,530
Chromium	mg/kg	0.19 B	0.42	0.465	0.295 B
Cobalt	mg/kg	0.0979	0.129	0.101	0.117
Copper	mg/kg	30.4	42.4	34.6	60.3
Iron	mg/kg	118	314	196	174
Lead	mg/kg	0.955	2.22	1.73	1.27
Magnesium	mg/kg	730	858	850	1,050
Manganese	mg/kg	12.7	21.3	27.6	27.3
Mercury	ng/g	30.8	26.6	32	33.9
Methyl Mercury	ng/g	30.3	26.4	23.8	27.6
Nickel	mg/kg	0.206 B	0.308 B	0.363 B	0.515
Potassium	mg/kg	1,670	2,250	1,890	2,790
Selenium	mg/kg	0.973	1.05	0.834	1.22
Silver	mg/kg	0.771	0.941	0.857	1.22
Sodium	mg/kg	4,900	7,500	6,400	8,460
Thallium	mg/kg	0.0286 U	0.0288 U	0.03 U	0.0286 U
Titanium	mg/kg	1.44 B	0.163 U	2.02	1.62 B
Vanadium	mg/kg	0.294	0.61	0.275	0.396
Zinc	mg/kg	25.8	30.9	24.9	37.6
Butyltins					
Dibutyltin	ug/kg	1.3 U	1.3 UJ	1.3 UJ	1.3 U
Monobutyltin	ug/kg	21 UCN	20 UCNJ	21 UJ	20 UCN
Tetrabutyltin	ug/kg	1.7 U	1.7 UJ	1.7 U	1.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
Tributyltin	ug/kg	1.5 U	1.5 UJ	1.5 U	1.5 U
PCB Congeners					
PCB-1	ng/kg	0.968 U	0.96 UJ	7.36 J	4.97 U
PCB-2	ng/kg	0.678 U	0.672 UJ	3.48 U	3.48 U
PCB-3	ng/kg	1.06 U	1.06 UJ	5.47 U	5.46 U
PCB-4	ng/kg	22.3	17.8 BJ	20.8 JB	13.8 J
PCB-5	ng/kg	0.774 U	0.768 UJ	3.98 U	3.97 U
PCB-6	ng/kg	0.678 U	6.69 BJ	5.89 JB	7.48 J
PCB-7	ng/kg	0.774 U	1.09 J	3.98 U	3.97 U
PCB-8	ng/kg	1.45 U	1.44 UJ	24.7 JB	7.45 U
PCB-9	ng/kg	0.678 U	1.14 J	3.48 U	3.48 U
PCB-10	ng/kg	2.41 J	1.25 UJ	6.47 U	6.45 U
PCB-11	ng/kg	3.29 U	67.7 BJ	61.2 B	105 B
PCB-12/13	ng/kg	1.84 U	18 J	17.1 J	32.9
PCB-14	ng/kg	0.774 U	0.768 UJ	3.98 U	3.97 U
PCB-15	ng/kg	1,020 BE	859 BEJ	776	1,140
PCB-16	ng/kg	15.6	13.7 J	15 B	9.09 J
PCB-17	ng/kg	0.871 U	31.1 BJ	31.2 B	30
PCB-18/30	ng/kg	66.2 B	56.7 BJ	57.2 B	7.94 U
PCB-19	ng/kg	9.06	7.02 J	7.29 J	5.37 J
PCB-20/28	ng/kg	13,400 BE	13,500 BEJ	9,630 BE	15,500 BE
PCB-21/33	ng/kg	53.3	59.1 J	43.7	60.5
PCB-22	ng/kg	78	97.7 BJ	77.1	160
PCB-23	ng/kg	0.678 U	0.672 UJ	3.48 U	3.48 U
PCB-24	ng/kg	0.968 U	0.96 UJ	4.98 U	4.97 U
PCB-25	ng/kg	0.774 U	31.7 J	29.4	71.1
PCB-26/29	ng/kg	1.16 U	47.3 J	42.1	114
PCB-27	ng/kg	14.4	12.1 J	12	12.3
PCB-31	ng/kg	173	186 BJ	164 B	350
PCB-32	ng/kg	44.1	48.4 BJ	48.2 B	59.4
PCB-34	ng/kg	4.87	4.37 J	3.48 U	8.1 J
PCB-35	ng/kg	0.871 U	7.25 J	6.51 J	9.94
PCB-36	ng/kg	0.774 U	2.27 J	3.98 U	7.48 J
PCB-37	ng/kg	1,860 E	1,640 EJ	1,350	2,060 E
PCB-38	ng/kg	0.678 U	0.672 UJ	3.48 U	3.48 U
PCB-39	ng/kg	14	11.9 J	11	22
PCB-40/71	ng/kg	290	237 J	224	304
PCB-41	ng/kg	4.07 U	5.13 J	20.9 U	20.9 U
PCB-42	ng/kg	63.2	54.1 J	55.4	77.8
PCB-43	ng/kg	17.5	15.7 J	6.97 U	6.95 U
PCB-44/47/65	ng/kg	7,400 BE	5,160 BEJ	5,760	5,770
PCB-45	ng/kg	10.9	8.79 J	10.9 U	10.9 U
PCB-46	ng/kg	0.968 U	4.24 J	4.98 U	4.97 U
PCB-48	ng/kg	33.2	27.5 J	27.3	34.1
PCB-49/69	ng/kg	201 B	137 BJ	148	195
PCB-50/53	ng/kg	27.8	20 J	23.2 J	21.1 J
PCB-51	ng/kg	11.7	9.27 J	10.9 U	11.4 J
PCB-52	ng/kg	288	206 BJ	229	264
PCB-54	ng/kg	1.36 U	1.34 UJ	6.97 U	6.95 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
PCB-55	ng/kg	1.16 U	19.9 J	5.97 U	5.96 U
PCB-56	ng/kg	135	127 J	122	178
PCB-57	ng/kg	8.28	6.72 J	5.47 U	12.2 J
PCB-58	ng/kg	1.36 U	4.86 J	6.97 U	6.95 U
PCB-60	ng/kg	2,510 E	2,520 EJ	2,540	2,930
PCB-61/70/74/76	ng/kg	9,310 E	8,070 BEJ	8,320	8,530
PCB-62/75	ng/kg	613	445 J	489	510
PCB-63	ng/kg	94.6	82.8 J	95.7	133
PCB-64	ng/kg	127	109 BJ	113	179
PCB-66	ng/kg	17,300 BE	14,900 BEJ	14,600 BE	16,100 BE
PCB-67	ng/kg	23.1	16.4 J	19.8 J	33.7
PCB-68	ng/kg	71.1	50.7 J	70	80.5
PCB-72	ng/kg	37.6	26 J	30.1	51
PCB-73	ng/kg	6	5.59 J	6.97 U	6.95 U
PCB-77	ng/kg	R	1,350 EJ	1,330	1,470
PCB-78	ng/kg	1.55 U	1.54 UJ	7.96 U	7.94 U
PCB-79	ng/kg	35.1	1.06 UJ	31.8	38
PCB-80	ng/kg	2.81 J	1.06 UJ	5.47 U	5.46 U
PCB-81	ng/kg	45.6	41.5 J	39.5	39.6
PCB-82	ng/kg	31.1	20.2 J	24 J	21 J
PCB-83	ng/kg	2.81 U	24.4 J	14.4 U	14.9 J
PCB-84	ng/kg	52.5	28 BJ	40.1	44.3
PCB-85/116/117	ng/kg	2,720 E	2,170 EJ	1,980	2,040
PCB-86/87/97/109/119/125	ng/kg	1,250	829 J	903	939
PCB-88	ng/kg	2.13 U	2.11 UJ	10.9 U	10.9 U
PCB-89	ng/kg	2.54 J	1.64 J	6.47 U	6.45 U
PCB-90/101/113	ng/kg	718 B	484 BJ	562	724
PCB-91	ng/kg	82.8	45.2 J	64.2	100
PCB-92	ng/kg	166 B	107 BJ	123	160
PCB-93/100	ng/kg	428	216 J	317	325
PCB-94	ng/kg	13.3	9.28 J	12.2 J	12 J
PCB-95	ng/kg	R	192 BJ	230	256
PCB-96	ng/kg	1.45 U	1.44 UJ	7.46 U	7.45 U
PCB-98/102	ng/kg	16 J	10.9 J	38.3 U	38.2 U
PCB-99	ng/kg	12,900 BE	8,920 BEJ	9,030 E	8,660 E
PCB-103	ng/kg	10.4	4.3 J	5.47 U	7.04 J
PCB-104	ng/kg	1.36 U	1.34 UJ	6.97 U	6.95 U
PCB-105	ng/kg	6,560 E	5,710 EJ	5,340 E	5,770 E
PCB-106	ng/kg	1.65 U	1.63 UJ	8.46 U	8.44 U
PCB-107	ng/kg	886 E	684 EJ	723	807
PCB-108/124	ng/kg	35	29.5 J	28 J	44.2 J
PCB-110/115	ng/kg	970 B	791 BJ	719	957
PCB-111	ng/kg	38.2	22.9 J	27	28.8
PCB-112	ng/kg	1.36 U	17.6 J	6.97 U	6.95 U
PCB-114	ng/kg	417	374 J	331	344
PCB-118	ng/kg	20,500 BE	17,800 BEJ	16,000 BE	15,900 E
PCB-120	ng/kg	150	96.9 J	106	119
PCB-121	ng/kg	14.4	7.77 J	11.2 J	10.1 J
PCB-122	ng/kg	1.16 U	4.96 J	5.97 U	9.05 J

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
PCB-123	ng/kg	421	342 J	340	358
PCB-126	ng/kg	59.4	R	47.6	45.1
PCB-127	ng/kg	18.1	12.7 J	15.1 J	19.2 J
PCB-128/166	ng/kg	1,770 E	1,310 EJ	1,350	1,480
PCB-129/138/163	ng/kg	15,300 BE	11,400 BEJ	11,600 E	13,000 E
PCB-130	ng/kg	181	133 J	175	217
PCB-131	ng/kg	8.88	5.43 J	8.46 U	10 J
PCB-132	ng/kg	99.7	62.7 BJ	83	81.2
PCB-133	ng/kg	500	295 J	422	381
PCB-134	ng/kg	22.2	12 J	16.4 U	19.4 J
PCB-135/151	ng/kg	219	148 BJ	166	249
PCB-136	ng/kg	33.3	20.9 J	28.5	34.6
PCB-137	ng/kg	763 E	582 EJ	570	562
PCB-139/140	ng/kg	287	209 J	231	232
PCB-141	ng/kg	98.8	77.1 BJ	84.7	99.3
PCB-142	ng/kg	1.65 U	1.63 UJ	8.46 U	8.44 U
PCB-143	ng/kg	3.19 U	3.17 UJ	16.4 U	16.4 U
PCB-144	ng/kg	32.8	18.7 J	24.2 J	35.8
PCB-145	ng/kg	1.55 U	1.54 UJ	7.96 U	7.94 U
PCB-146	ng/kg	R	1,840 BEJ	2,370	2,390
PCB-147/149	ng/kg	706 B	485 BJ	604	860
PCB-148	ng/kg	82	45.4 J	56.5	72.5
PCB-150	ng/kg	1.45 U	2.03 J	7.46 U	7.45 U
PCB-152	ng/kg	1.36 U	1.34 UJ	6.97 U	6.95 U
PCB-153/168	ng/kg	22,800 BE	15,100 BEJ	16,200 BE	16,500 E
PCB-154	ng/kg	606 E	345 J	434	558
PCB-155	ng/kg	137	82.1 J	98.3	94.4
PCB-156/157	ng/kg	1,890 E	1,450 EJ	1,440	1,320
PCB-158	ng/kg	1,670 E	1,190 EJ	1,250	1,260
PCB-159	ng/kg	5.85	3.44 J	7.41 J	6.95 U
PCB-160	ng/kg	6.1 U	6.05 UJ	31.3 U	31.3 U
PCB-161	ng/kg	1.26 U	1.25 UJ	6.47 U	6.45 U
PCB-162	ng/kg	93.9	71.2 J	74.1	81.1
PCB-164	ng/kg	40.5	36.1 J	37.8	61.2
PCB-165	ng/kg	R	14.2 J	R	21.5 J
PCB-167	ng/kg	837 E	578 EJ	614	584
PCB-169	ng/kg	2.18 J	2.51 J	7.46 U	7.45 U
PCB-170	ng/kg	1,830 E	1,320 EJ	1,160	1,260
PCB-171/173	ng/kg	R	531 J	R	635
PCB-172	ng/kg	515	291 J	360	356
PCB-174	ng/kg	R	60.6 J	80.6	106
PCB-175	ng/kg	R	82.3 J	96	109
PCB-176	ng/kg	16.1	10 J	13.2 J	18.5 J
PCB-177	ng/kg	R	3.56 J	R	381
PCB-178	ng/kg	1,250 E	641 EJ	822	917
PCB-179	ng/kg	56.1	31 J	47	49.2
PCB-180/193	ng/kg	8,250 E	5,490 BEJ	5,440	5,250
PCB-181	ng/kg	R	20.1 J	R	21.3 J
PCB-182	ng/kg	R	20.9 J	R	25.3

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
PCB-183/185	ng/kg	2,840 E	1,780 EJ	2,010	2,260
PCB-184	ng/kg	21.8	13.1 J	18 J	19.7 J
PCB-186	ng/kg	1.45 U	1.44 UJ	7.46 U	7.45 U
PCB-187	ng/kg	R	3,640 BEJ	R	4,630 E
PCB-188	ng/kg	56.8	33.3 J	39.8	41.6
PCB-189	ng/kg	125	86.4 J	82.3	80.7
PCB-190	ng/kg	520	368 J	321	298
PCB-191	ng/kg	134	94.3 J	85	87.9
PCB-192	ng/kg	1.26 U	1.25 UJ	6.47 U	6.45 U
PCB-194	ng/kg	1,080 E	693 J	673	531
PCB-195	ng/kg	245	171 J	168	135
PCB-196	ng/kg	964 E	555 J	507	521
PCB-197/200	ng/kg	R	58.4 J	74.9	84.8
PCB-198/199	ng/kg	2,190 E	1,210 J	1,200	1,350
PCB-201	ng/kg	302	163 J	203	241
PCB-202	ng/kg	881 E	464 J	558	594
PCB-203	ng/kg	1,060 E	623 J	558	645
PCB-204	ng/kg	2.03 U	2.13 J	10.4 U	10.4 U
PCB-205	ng/kg	19.6	13.5 J	17.3 J	12.9 J
PCB-206	ng/kg	864	520 J	501	485
PCB-207	ng/kg	137	75.2 J	91.1	73
PCB-208	ng/kg	538	280 J	300	299
PCB-209	ng/kg	789	433 J	472	415
Total PCB Congeners (209)	ng/kg	177,000 J	145,000 J	137,000 J	157,000 J
Aroclor PCBs					
Aroclor-1016	ug/kg	7.2 U	7.1 U	7 U	7.2 U
Aroclor-1221	ug/kg	9.2 U	9.1 U	8.9 U	9.2 U
Aroclor-1232	ug/kg	16 U	16 U	15 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.5 U	6.4 U	6.6 U
Aroclor-1248	ug/kg	6.6 U	6.5 U	6.4 U	6.6 U
Aroclor-1254	ug/kg	6.6 U	6.5 U	6.4 U	6.6 U
Aroclor-1260	ug/kg	9.8 U	9.7 U	9.5 U	9.8 U
Aroclor-1262	ug/kg	6.6 U	6.5 U	17 J	6.6 U
Aroclor-1268	ug/kg	6.6 U	6.5 U	6.4 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	16 U	16 U	15 U	16 U
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	16 U	16 U	17 J	16 U
Pesticides					
2,4'-DDD	pg/g	161	147 J	77.8	75.5
2,4'-DDE	pg/g	202 J	170 J	256 B	78.1 B
2,4'-DDT	pg/g	58.2	59.2 BJ	31.6 J	40.8
4,4'-DDD	pg/g	35,300 D	32,700 BDJ	18,300 J	16,900 B
4,4'-DDE	pg/g	86,900 BD	70,200 BDJ	82,300 BD	41,000 BD
4,4'-DDT	pg/g	738 B	394 BJ	228	298 B
Aldrin	pg/g	9.16 U	R	9.16 U	9.16 U
Alpha-BHC	pg/g	33.7	21.8 JB	24.7 J	18 J
Alpha-Chlordane	pg/g	767	3,710 BJ	1,650	432
Beta-BHC	pg/g	44.1	39.7 BJ	35.7	42.6
cis-Nonachlor	pg/g	1,730	1,900 J	1,330	1,200
Delta-BHC	pg/g	5.08 U	5.08 UJ	5.08 U	5.08 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
Dieldrin	pg/g	2,770	2,450 BJ	1,920	1,500
Endosulfan I	pg/g	57.4 U	57.4 UJ	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 U	58.3 UJ	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	25.8 J	63.3 U	63.3 U
Endrin	pg/g	13.9 U	13.9 UJ	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 U	131 UJ	R	131 U
Endrin Ketone	pg/g	R	76 UJ	R	76 U
Gamma-BHC (Lindane)	pg/g	6.17 J	8.48 J	6.29 J	7.69 U
Heptachlor	pg/g	32.5 U	32.5 UJ	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	1,170	1,790 J	899	833
Hexachlorobenzene	pg/g	514 B	455 BJ	325 B	295 B
Methoxychlor	pg/g	R	38.9 UJ	38.9 U	38.9 UJ
Mirex	pg/g	75.5	75 J	82.7 J	48.9
Nonachlor, trans-	pg/g	5,330	3,660 J	R	2,530
Oxychlordane	pg/g	6,040	7,620 J	4,720	4,010
trans-Chlordane	pg/g	R	13.7 UJ	13.7 U	13.7 U
trans-Heptachlor Epoxide	pg/g	510	915 J	424	332
Total Alpha + Gamma Chlordane	ppb	0.77 T	3.7 BJ	1.7	0.43
Total DDT (2,4)	ppb	0.42 J	0.38 BJ	0.37 BJ	0.19 B
Total DDT (4,4)	ppb	120 BD	100 BDJ	100 BDJ	58 BD
Total DDT (2,4 & 4,4)	ppb	120 BDJ	100 BDJ	100 BDJ	58 BD
Semivolatiles					
1,2,4,5-Tetrachlorobenzene	ug/kg	330 U	330 U	67 U	320 U
1,2-Diphenylhydrazine	ug/kg	330 U	330 U	67 U	320 U
1-Methylnaphthalene	ug/kg	2.6 U	13 U	6.4 J	2.7 U
2,2'-oxybis(1-Chloropropane)	ug/kg	330 U	330 U	67 U	320 U
2,3,4,6-Tetrachlorophenol	ug/kg	1,300 U	1,300 U	270 U	1,300 U
2,4,5-Trichlorophenol	ug/kg	330 U	330 U	67 U	320 U
2,4,6-Trichlorophenol	ug/kg	330 U	330 U	67 U	320 U
2,4-Dichlorophenol	ug/kg	330 U	330 U	67 U	320 U
2,4-Dimethylphenol	ug/kg	330 U	330 U	67 U	320 U
2,4-Dinitrophenol	ug/kg	6,000 U	6,000 U	1,200 U	5,800 U
2,4-Dinitrotoluene	ug/kg	1,300 U	1,300 U	270 U	1,300 U
2,6-Dinitrotoluene	ug/kg	330 U	330 U	67 U	320 U
2-Chloronaphthalene	ug/kg	130 U	130 U	28 U	140 U
2-Chlorophenol	ug/kg	330 U	330 U	67 U	320 U
2-Methylnaphthalene	ug/kg	2.6 U	13 U	9.3	2.7 U
2-Methylphenol	ug/kg	330 U	330 U	67 U	320 U
2-Nitroaniline	ug/kg	330 U	330 U	67 U	320 U
2-Nitrophenol	ug/kg	330 U	330 U	67 UJ	320 U
3,3'-Dichlorobenzidine	ug/kg	2,000 U	2,000 U	400 U	1,900 U
3-Nitroaniline	ug/kg	1,300 U	1,300 U	270 U	1,300 U
4,6-Dinitro-2-methylphenol	ug/kg	3,300 U	3,300 U	670 U	3,200 U
4-Bromophenyl phenyl ether	ug/kg	330 U	330 U	67 U	320 U
4-Chloro-3-Methylphenol	ug/kg	330 U	330 U	67 U	320 U
4-Chloroaniline	ug/kg	670 U	660 U	130 U	650 U
4-Chlorophenyl phenyl ether	ug/kg	330 U	330 U	67 U	320 U
4-Methylphenol	ug/kg	330 U	330 U	67 U	320 U
4-Nitroaniline	ug/kg	1,300 U	1,300 U	270 U	1,300 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
4-Nitrophenol	ug/kg	3,300 U	3,300 U	670 U	3,200 U
Acenaphthene	ug/kg	2.6 U	13 U	2.7 J	4.5 J
Acenaphthylene	ug/kg	2.6 U	13 U	2.6 U	2.7 U
Acetophenone	ug/kg	330 U	330 U	67 UJ	320 U
Anthracene	ug/kg	2.6 U	13 U	2.6 U	2.7 U
Atrazine	ug/kg	670 U	660 U	130 U	650 U
Benzaldehyde	ug/kg	1,300 UJ	1,500 J	460 J	1,800 J
Benzidine	ug/kg	14,000 U	14,000 U	2,800 U	14,000 U
Benzo(a)anthracene	ug/kg	2.6 U	13 U	8.1	2.7 U
Benzo(a)pyrene	ug/kg	2.6 U	13 U	5.5 J	2.7 U
Benzo(b)fluoranthene	ug/kg	2.6 U	13 U	5.8 J	2.7 U
Benzo(e)pyrene	ug/kg	2.6 U	13 U	4.4 J	2.7 U
Benzo(g,h,i)perylene	ug/kg	2.6 U	13 U	3.3 J	2.7 U
Benzo(j,k)fluoranthene	ug/kg	2.6 U	13 U	4.8 J	2.7 U
Benzoic Acid	ug/kg	3,300 U	3,300 U	670 U	3,200 UJ
Biphenyl	ug/kg	330 U	330 U	67 U	320 U
bis(2-Chloroethoxy)methane	ug/kg	330 U	330 U	67 U	320 U
bis(2-Chloroethyl)ether	ug/kg	330 U	330 U	67 U	320 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,300 U	1,300 U	270 U	1,300 U
Butyl benzyl phthalate	ug/kg	1,300 U	1,300 U	270 U	1,300 U
C1-Chrysenes	ug/kg	2.6 U	13 U	4.1 J	2.7 U
C1-Fluoranthenes/Pyrenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C1-Fluorenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C1-Naphthalenes	ug/kg	2.6 U	13 U	15	4.6 J
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C2-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C2-Fluoranthenes/Pyrenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C2-Fluorenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C2-Naphthalenes	ug/kg	2.6 U	13 U	9.4	2.7 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C3-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C3-Fluorenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C3-Naphthalene	ug/kg	2.6 U	13 U	9	2.7 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C4-Chrysenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C4-Naphthalene	ug/kg	2.6 U	13 U	2.6 U	2.7 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	13 U	2.6 U	2.7 U
Caprolactam	ug/kg	670 U	660 U	130 U	650 U
Carbazole	ug/kg	330 U	330 U	67 U	320 U
Chrysene	ug/kg	2.6 U	13 U	6.4 J	2.7 U
Dibenzo(a,h)anthracene	ug/kg	2.6 U	13 U	2.6 U	2.7 U
Dibenzofuran	ug/kg	330 U	330 U	67 U	320 U
Diethyl phthalate	ug/kg	1,300 U	1,300 U	270 U	1,300 U
Dimethylphthalate	ug/kg	1,300 U	1,300 U	270 U	1,300 U
Di-n-Butylphthalate	ug/kg	1,300 U	1,300 U	270 U	1,300 U
Di-n-Octylphthalate	ug/kg	1,300 U	1,300 U	270 U	1,300 U
Fluoranthene	ug/kg	2.6 U	13 U	13	2.7 U
Fluorene	ug/kg	2.6 U	13 U	2.6 U	2.7 U

Table B-3
Crab Carcass Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03CRBSOU 09/08/15 NB03CRB-CAR-S006	NB03CRBSOU 10/06/15 NB03-CRB-CAR-S007	NB03CRBSOU 08/24/15 NB03CRB-CAR-S008	NB03CRBSOU 08/24/15 NB03CRB-CAR-S009
Hexachlorobutadiene	ug/kg	330 U	330 U	67 U	320 U
Hexachlorocyclopentadiene	ug/kg	3,300 U	3,300 U	670 U	3,200 U
Hexachloroethane	ug/kg	670 U	660 U	130 U	650 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 U	13 U	4.2 J	2.7 U
Isophorone	ug/kg	330 U	330 U	67 U	320 U
Naphthalene	ug/kg	2.6 U	13 U	3.9 J	2.7 U
Nitrobenzene	ug/kg	330 U	330 U	67 UJ	320 U
N-Nitroso-di-n-propylamine	ug/kg	330 U	330 U	67 UJ	320 U
N-Nitrosodiphenylamine	ug/kg	330 U	330 U	67 U	320 U
Pentachlorophenol	ug/kg	670 U	660 U	130 U	650 U
Perylene	ug/kg	2.6 U	13 U	2.6 U	2.7 U
Phenanthrene	ug/kg	2.6 U	13 U	9.5	2.7 U
Phenol	ug/kg	330 U	330 U	240 J	320 U
Pyrene	ug/kg	2.6 U	13 U	12	2.7 U
Pyridine	ug/kg	1,300 U	1,300 U	510 J	1,300 U
Total HMW PAHs	ppb	2.6 U	13 U	63 J	2.7 U
Total LMW PAHs	ppb	2.6 U	13 U	25 J	4.5 J
TOTAL PAHs	ppb	2.6 U	13 U	89 J	4.5 J
Physical Properties[1]					
Percent Moisture	%	80.2	81	82	80.5
Water Content ASTM D2216	%	404	426	455	413

Table B-3
Crab Carcass Tissue Analytical Results

Footnote:
[1]"Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Totals were calculated using detected values only. If all analytes that make up a given total are nondetect, the total will be reported as the highest detection limit of the individual analytes and will be qualified with a "U" flag to indicate it is a non-detect.
2. Total PCB Congeners (209) = sum of 209 individual congener PCBs
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268
5. Total Alpha + Gamma Chlordane = sum of alpha-Chlordane and gamma-Chlordane
6. Total DDT (2,4) = sum of 2,4'-DDD, 2,4'-DDE, and 2,4'-DDT
7. Total DDT (4,4) = sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
8. Total DDT (2,4 & 4,4) = sum of 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
9. Total HMW PAHs = sum of fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene.
10. Total LMW PAHs = sum of naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene.
11. Total PAHs = sum of Total LMW PAHs and Total HMW PAHs.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table B-4
Softshell Clam Tissue Analytical Results

Location ID:		NB03SED122ACL	NB03SED122BCL	NB03SED122CCL	NB03SED123ACL	NB03SED123BCL	NB03SED124CL	NB03SED125CL
Date Homogenized:		08/25/15	08/25/15	08/25/15	08/25/15	08/25/15	08/25/15	08/25/15
Sample Name:	Units	NB03CLM122A	NB03CLM122B	NB03CLM122C	NB03CLM123A	NB03CLM123B	NB03CLM124	NB03CLM125
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	4.88 B	3.76 JB	4.32 JB	3.41 JB	3.27 JB	2.91 JB	6.74 B
1,2,3,4,6,7,8-HpCDF	ng/kg	13 B	7.74 B	9.14 B	3.84 JB	3.87 JB	2.59 JB	2.45 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.394 JB	0.306 JB	0.391 JBQ	0.172 JBQ	0.233 JB	0.195 JBQ	0.313 JB
1,2,3,4,7,8-HxCDD	ng/kg	0.0658 J	0.15 J	0.084 JQ	0.0431 U	0.108 J	0.0895 JQ	0.193 J
1,2,3,4,7,8-HxCDF	ng/kg	3.92 JB	2.12 JB	2.64 JB	1.11 JB	1.3 JB	0.665 JB	0.675 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.369 J	0.272 J	0.292 JQ	0.663 JQ	0.667 JQ	0.42 JQ	0.825 JQ
1,2,3,6,7,8-HxCDF	ng/kg	1.02 JB	0.559 JB	0.621 JB	0.275 JB	0.338 JB	0.189 JB	0.232 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.37 JQ	0.163 J	0.226 JQ	0.201 J	0.225 JQ	0.191 JQ	0.472 J
1,2,3,7,8,9-HxCDF	ng/kg	0.251 JB	0.0534 JB	0.198 JB	0.137 JBQ	0.201 JB	0.124 JB	0.154 JB
1,2,3,7,8-PeCDD	ng/kg	0.186 JBQ	0.125 JBQ	0.0707 U	0.28 JB	0.257 JBQ	0.172 JBQ	0.505 JBQ
1,2,3,7,8-PeCDF	ng/kg	1.04 JB	0.533 JB	0.509 JBQ	0.626 JB	0.509 JB	0.339 JB	0.599 JB
2,3,4,6,7,8-HxCDF	ng/kg	0.579 JB	0.349 JB	0.475 JB	0.297 JBQ	0.268 JB	0.212 JB	0.247 JB
2,3,4,7,8-PeCDF	ng/kg	1.61 J	1.22 J	1.06 J	0.943 J	0.953 J	0.541 J	0.77 J
2,3,7,8-TCDD	ng/kg	6.19	4.75	5.27	4.35	5.05	2.75	4.03
2,3,7,8-TCDF	ng/kg	1.39 CQJ	1.17 C	1.34 CQJ	1.64 CQJ	1.8 C	1.33 CQ	1.86 C
OCDD	ng/kg	40.1 B	33.1 B	37.1 B	23.3 B	22.7 B	26 B	32.5 B
OCDF	ng/kg	14.7 B	9 JB	11.3 B	4.61 JB	5.1 JB	3.55 JB	R
Percent Lipid	%	0.29	0.19	0.1	0.39	0.29	0.3	0.3
Metals								
Aluminum	mg/kg	524	431 J-	649 J-	370 J-	355 J-	405 J-	302 J-
Antimony	mg/kg	0.265	0.243	0.262	0.12 B	0.159 B	0.0757 B	0.0858 B
Arsenic	mg/kg	6.65 J-	4.95	6.52	3.73	4.25	2.12	2.21
Barium	mg/kg	8.15	7.58	14.7	6.64	9.85	4.41	8.6
Beryllium	mg/kg	0.0438 B	0.034 B	0.0428 B	0.0315 B	0.0348 B	0.0267 B	0.0281 B
Cadmium	mg/kg	0.192	0.227	0.235	0.22	0.192	0.264	0.203
Calcium	mg/kg	1,790	1,600	1,550	1,260	1,320	3,170	2,990
Chromium	mg/kg	3.96	4.59	4.34	2.42	2.21	7.47	1.78
Cobalt	mg/kg	1.48	1.26	1.13	0.458	0.394	1.02	0.469
Copper	mg/kg	8.73	7.09	10.4	10.1	6.29	8.47	7.62
Iron	mg/kg	2,580	2,130	2,900	2,610	2,530	1,610	1,540
Lead	mg/kg	27.1	19.1	21.2	12.6	9.75	8.66	11
Magnesium	mg/kg	832 J-	761 J-	873 J-	733 J-	728 J-	836 J-	786 J-
Manganese	mg/kg	200	245	185	62.7	45.6	243	83
Mercury	ng/g	105	68.2	91	64.1	50.5	72.1	65.3
Methyl Mercury	ng/g	21.6	49.1 JL	24.4	32.2	31.8	46.6	45.3
Nickel	mg/kg	2.13	2.25	2.05	3.01	1.35	2.56	1.79
Potassium	mg/kg	2,040 J-	2,060 J-	2,200 J-	2,380 J-	2,380 J-	2,230 J-	2,260 J-
Selenium	mg/kg	1.04	1.12	1.12	0.896	0.869	0.878	0.79
Silver	mg/kg	0.549	0.334	0.478	0.379	0.244	0.816	0.401
Sodium	mg/kg	3,410 J-	3,170 J-	3,110 J-	2,900 J-	2,910 J-	3,920 J-	3,390 J-
Thallium	mg/kg	0.0294 U	0.0291 U	0.0294 U	0.0291 U	0.0294 U	0.0294 U	0.03 U
Titanium	mg/kg	18.2	13.8	22.7	11.6	11.4	12.5	11.1
Vanadium	mg/kg	3.06	2.88	2.82	2.02	1.39	2.35	1.65
Zinc	mg/kg	29.3	29.1	32.4	31.4	25.3	29.1	28.7
Butyltins								
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3	1.3 U
Monobutyltin	ug/kg	21 UCN	21 UCN	20 UCN	20 UCN	21 UCN	21 UCN	21 UCN

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
Tetrabutyltin	ug/kg	1.7 U	1.7 U	1.7 U	1.6 U	1.7 U	1.7 U	1.7 U
Tributyltin	ug/kg	6.2	7.1	5.3	6.6 J	5.9	12	10
PCB Congeners								
PCB-1	ng/kg	35.5	27	33.2	53	37.7	32.7	37.5
PCB-2	ng/kg	0.676 U	0.672 U	5.69	8.52	6.74	3.65	4.16
PCB-3	ng/kg	R	R	R	R	10.9	8.23	9.67
PCB-4	ng/kg	175	138	176	554 E	245	167	150
PCB-5	ng/kg	1.72 J	0.768 U	0.782 U	9.95	2.79 J	0.781 U	0.791 U
PCB-6	ng/kg	47.9	36.6	47.9	396 E	77.4	56.3	25.8
PCB-7	ng/kg	4.2	3.24	0.782 U	37.4	6.89	4.64	0.791 U
PCB-8	ng/kg	123 B	86.7 B	107 B	916 BE	208 B	160 B	79.8 B
PCB-9	ng/kg	0.676 U	6.1	0.684 U	57.7	13.3	9.94	3.79
PCB-10	ng/kg	13	10.2	12.9	29.6	14.8	13.2	10.3
PCB-11	ng/kg	245 B	203 B	245 B	320 BE	321 BE	198 B	194 B
PCB-12/13	ng/kg	50	39.5	51.4	201	63.8	43.1	30.1
PCB-14	ng/kg	0.772 U	0.768 U	0.782 U	0.788 U	0.787 U	0.781 U	0.791 U
PCB-15	ng/kg	243	185	231	722 E	274	322 E	218
PCB-16	ng/kg	293 BE	226 B	265 B	994 BE	370 BE	331 BE	202 B
PCB-17	ng/kg	409 BE	321 BE	405 BE	1,370 BE	515 BE	429 BE	320 BE
PCB-18/30	ng/kg	668 E	522	661 E	2,270 E	870 E	686 E	482
PCB-19	ng/kg	126	99.7	130	472 E	190	135	112
PCB-20/28	ng/kg	1,770 BE	1,460 BE	1,850 BE	7,260 BE	2,830 BE	2,530 BE	1,850 BE
PCB-21/33	ng/kg	316	262	307	1,670 E	532	611 E	264
PCB-22	ng/kg	415 E	356 E	408 E	2,020 E	698 E	742 E	402 E
PCB-23	ng/kg	0.845 J	0.672 U	0.684 U	3.18	1.15 J	1.46 J	0.692 U
PCB-24	ng/kg	0.965 U	0.96 U	0.978 U	0.985 U	0.984 U	0.977 U	0.989 U
PCB-25	ng/kg	194	162	199	972 E	312 E	219	188
PCB-26/29	ng/kg	355	280	341	1,440 E	512	433	350
PCB-27	ng/kg	141	108	145	458 E	180	146	129
PCB-31	ng/kg	1,290 BE	1,020 BE	1,180 BE	4,480 BE	1,800 BE	1,510 BE	1,210 BE
PCB-32	ng/kg	386 E	291 E	365 E	1,490 E	588 E	435 E	322 E
PCB-34	ng/kg	9.26	7.38	8.75	37.2	13	9.21	7.71
PCB-35	ng/kg	33.7	26	36	93	45.6	39.2	32.6
PCB-36	ng/kg	3.99	3.21	3.78	5.7	5.59	4.7	5.8
PCB-37	ng/kg	335 E	268	325 E	1,440 E	493 E	680 E	326 E
PCB-38	ng/kg	2.35	1.8 J	1.58 J	7.41	3.41	2.39	1.33 J
PCB-39	ng/kg	12	10.1	12.7	33.6	17.1	11	11.7
PCB-40/71	ng/kg	951	807	930	3,020 E	1,360 E	951	840
PCB-41	ng/kg	79.6	62.8	84.4	394	133	104	61.4
PCB-42	ng/kg	650 E	567	655 E	2,180 E	1,010 E	698 E	597 E
PCB-43	ng/kg	81.2	67	76.1	257	133	80.6	66.2
PCB-44/47/65	ng/kg	2,190 E	1,930 E	2,160 E	6,670 E	3,300 E	2,120 E	2,000 E
PCB-45	ng/kg	178	156	203	846 E	297	189	157
PCB-46	ng/kg	87.3	80.3	91.8	334	137	93.5	77.2
PCB-48	ng/kg	319	273	324	1,180 E	479	342	259
PCB-49/69	ng/kg	1,440 E	1,180 E	1,390 E	4,420 E	2,200 E	1,300 E	1,270 E
PCB-50/53	ng/kg	305	267	309	959	439	283	251
PCB-51	ng/kg	243	230	243	404	295	186	177
PCB-52	ng/kg	2,150 BE	1,800 BE	2,050 BE	6,250 BE	3,320 BE	2,130 BE	2,120 BE

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
PCB-54	ng/kg	29.4	24.6	29.3	40.5	31.2	16.5	19.7
PCB-55	ng/kg	19.1	12	14.4	92.2	31.8	32.9	10.6
PCB-56	ng/kg	957 E	770 E	946 E	3,520 E	1,440 E	1,090 E	910 E
PCB-57	ng/kg	12.2	10.4	10.3	40.1	15.3	13.5	12.5
PCB-58	ng/kg	15.6	13.9	16.4	35.8	20.1	16.8	18
PCB-60	ng/kg	293	227	271	1,370 E	506	487	303
PCB-61/70/74/76	ng/kg	2,700 E	2,170	2,780 E	9,350 E	4,100 E	2,980 E	2,690 E
PCB-62/75	ng/kg	262	223	263	806	407	293	247
PCB-63	ng/kg	71.8	59.1	75.1	239	112	84.2	75.4
PCB-64	ng/kg	884 E	763 E	820 E	2,970 E	1,310 E	915 E	820 E
PCB-66	ng/kg	1,820 E	1,520 E	1,890 E	6,720 E	3,040 E	2,240 E	1,990 E
PCB-67	ng/kg	61.5	50.8	62.1	231	95.5	79.8	61.2
PCB-68	ng/kg	25.2	22.5	24.3	57.9	36.5	24.4	28.1
PCB-72	ng/kg	39.8	38	42.7	97.4	61.8	42.7	48.9
PCB-73	ng/kg	6.68	7.54	9.73	14.8	1.38 U	9.57	9.24
PCB-77	ng/kg	R	R	R	R	R	R	R
PCB-78	ng/kg	1.54 U	1.54 U	1.56 U	1.58 U	1.57 U	1.56 U	1.58 U
PCB-79	ng/kg	19.5	15.2	28.3	38.9	28.3	16.5	18.1
PCB-80	ng/kg	1.06 U	1.06 U	1.08 U	1.08 U	1.08 U	1.07 U	1.09 U
PCB-81	ng/kg	5.49	1.73 U	4.83 J	21.5	8.04	8.02	4.88 J
PCB-82	ng/kg	194	168	213	504	283	184	193
PCB-83	ng/kg	114	104	144	243	186	112	148
PCB-84	ng/kg	306	285	371	742 E	403	255	292
PCB-85/116/117	ng/kg	295	267	332	725	476	295	335
PCB-86/87/97/109/119/125	ng/kg	880	787	1,020	2,010	1,360	779	919
PCB-88	ng/kg	2.12 U	2.11 U	2.15 U	2.17 U	2.17 U	2.15 U	2.18 U
PCB-89	ng/kg	20.9	19.4	25.1	67.3	30.7	18	17.1
PCB-90/101/113	ng/kg	1,400	1,350	1,710	2,890 E	2,250 E	1,300	1,590
PCB-91	ng/kg	272	261	337	615 E	376	237	268
PCB-92	ng/kg	368	369	477	780 E	631 E	400	471
PCB-93/100	ng/kg	90.7	93.1	112	145	113	71	80.7
PCB-94	ng/kg	24.7	25.6	29	48.6	30	20.2	20.8
PCB-95	ng/kg	1,270 E	1,050 E	1,240 E	2,550 E	1,790 E	1,130 E	1,340 E
PCB-96	ng/kg	14.3	14.4	16.7	36.9	18.5	10.5	10.7
PCB-98/102	ng/kg	86.7	83.9	111	184	115	66.7	74.6
PCB-99	ng/kg	855 E	763 E	970 E	1,850 E	1,370 E	768 E	953 E
PCB-103	ng/kg	34.2	37.9	44.3	57.6	44.5	25.8	30.4
PCB-104	ng/kg	12.8	11.7	13.6	13.9	13.2	6.97	8.67
PCB-105	ng/kg	559	443	507	1,280 E	784 E	524	577
PCB-106	ng/kg	1.64 U	1.63 U	1.66 U	1.67 U	1.67 U	1.66 U	1.68 U
PCB-107	ng/kg	125	101	116	278	185	114	145
PCB-108/124	ng/kg	72.2	56.5	67.9	157	110	67.1	82.4
PCB-110/115	ng/kg	1,700 E	1,560 E	1,920 E	3,430 E	2,430 E	1,550 E	1,830 E
PCB-111	ng/kg	2.79 J	2.68 J	3.23 J	5.1	4.72 J	2.86 J	4 J
PCB-112	ng/kg	1.35 U	1.34 U	1.37 U	6.88	1.38 U	1.37 U	1.38 U
PCB-114	ng/kg	36.1	28.5	32.4	93.5	55.5	35.7	39.9
PCB-118	ng/kg	1,330 E	1,070 E	1,270 E	3,000 E	1,970 E	1,260 E	1,520 E
PCB-120	ng/kg	9.76	7.81	10.7	17.5	15.1	9.14	11.2
PCB-121	ng/kg	1.98 J	1.98 J	2.29 J	2.87 J	2.51 J	1.55 J	1.19 U

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
PCB-122	ng/kg	29.6	23.7	27.4	74.4	43.4	27.2	31.7
PCB-123	ng/kg	36.6	26.4	1.66 U	86.3	58.8	44.3	43.7
PCB-126	ng/kg	3.8 J	1.54 U	4.21 J	10.1	6.54	4.03 J	4.63 J
PCB-127	ng/kg	1.35 U	1.34 U	1.37 U	1.75 J	R	R	R
PCB-128/166	ng/kg	188	160	135	322	274	179	208
PCB-129/138/163	ng/kg	1,320	1,120	1,110	2,210 E	1,930 E	1,220	1,310
PCB-130	ng/kg	120	104	110	218	191	121	143
PCB-131	ng/kg	15.6	14.8	14.8	28.3	23.5	12.9	15.8
PCB-132	ng/kg	394	359	371	690 E	552	326	397
PCB-133	ng/kg	49.7	43.3	51.1	87.5	81.7	54	71.5
PCB-134	ng/kg	96	90.2	96.8	176	144	85.1	107
PCB-135/151	ng/kg	587	620	613	999	854	495	599
PCB-136	ng/kg	141	152	166	236	194	103	132
PCB-137	ng/kg	72.2	62.3	66.2	135	123	73	83
PCB-139/140	ng/kg	28.1	24.6	25.9	48.9	41.6	22.7	28.4
PCB-141	ng/kg	149	120	151	239	215	99.8	117
PCB-142	ng/kg	1.64 U	1.63 U	1.66 U	1.67 U	1.67 U	1.66 U	1.68 U
PCB-143	ng/kg	3.19 U	3.17 U	3.23 U	3.25 U	3.25 U	3.22 U	3.26 U
PCB-144	ng/kg	54.7	54	57.5	96.4	80.5	38.1	46.3
PCB-145	ng/kg	1.54 U	1.54 U	1.56 U	1.58 U	1.57 U	1.56 U	1.58 U
PCB-146	ng/kg	320	307	294	570	517	308	397
PCB-147/149	ng/kg	1,220 E	1,140	1,160	2,130 E	1,800 E	1,000	1,270 E
PCB-148	ng/kg	8.82	9.86	9.74	14.3	12.4	7.03	9.75
PCB-150	ng/kg	7.55	8.93	9.07	11.4	10.5	4.88 J	6.91
PCB-152	ng/kg	2.88 J	3.7 J	1.37 U	4.35 J	3.57 J	1.9 J	2.34 J
PCB-153/168	ng/kg	1,310 E	1,270 E	1,220 E	2,350 E	1,980 E	1,200 E	1,350 E
PCB-154	ng/kg	43	45.3	46.3	67.6	60.9	30.3	40.9
PCB-155	ng/kg	33.6	27.1	34.7	40	43.1	20.9	27.9
PCB-156/157	ng/kg	124	93.7	114	216	179	113	134
PCB-158	ng/kg	118	102	99.7	205	173	106	117
PCB-159	ng/kg	1.35 U	1.34 U	1.37 U	1.38 U	1.38 U	1.37 U	1.38 U
PCB-160	ng/kg	6.08 U	6.05 U	6.16 U	6.21 U	6.2 U	6.15 U	6.23 U
PCB-161	ng/kg	1.25 U	1.25 U	1.27 U	1.28 U	1.28 U	1.27 U	1.29 U
PCB-162	ng/kg	1.25 U	1.25 U	1.27 U	26.5	1.28 U	6.66	1.29 U
PCB-164	ng/kg	116	111	105	197	176	103	118
PCB-165	ng/kg	2.17 J	1.25 U	2.23 J	3.69 J	3.81 J	2.57 J	3.19 J
PCB-167	ng/kg	51.4	40.5	49.5	96	81.6	52.9	63.9
PCB-169	ng/kg	1.45 U	1.44 U	1.47 U	1.48 U	1.48 U	1.46 U	1.48 U
PCB-170	ng/kg	186	136	177	230	239	137	140
PCB-171/173	ng/kg	93.6	76.3	95.1	178	148	80.7	95.1
PCB-172	ng/kg	35.6	30	34.5	55.1	53.9	27.2	29.7
PCB-174	ng/kg	195	181	217	351	271	127	139
PCB-175	ng/kg	21.2	19	16.7	40.2	34.4	19.2	21.8
PCB-176	ng/kg	44	42.2	43.5	77.8	61.7	32.3	35.7
PCB-177	ng/kg	298	237	293	587	487	286	358
PCB-178	ng/kg	160	148	148	303	291	166	206
PCB-179	ng/kg	185	172	178	320	272	140	179
PCB-180/193	ng/kg	601	480	598	1,010	959	536	589
PCB-181	ng/kg	3.3 J	2.8 J	3.06 J	5.66	4.87 J	2.65 J	3.23 J

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
PCB-182	ng/kg	2.66 J	2.83 J	2.35 J	5.41	4.9 J	2.18 J	2.85 J
PCB-183/185	ng/kg	246	217	242	474	404	200	234
PCB-184	ng/kg	2.26 J	1.34 U	1.37 U	4.07 J	3.92 J	1.89 J	2.17 J
PCB-186	ng/kg	1.45 U	1.44 U	1.47 U	1.48 U	1.48 U	1.46 U	1.48 U
PCB-187	ng/kg	655 E	611 E	545	1,240 E	1,050 E	597 E	721 E
PCB-188	ng/kg	5.25	4.15 J	5.2	8.4	7.42	4.69 J	6.13
PCB-189	ng/kg	6.87	5.84	6.73	10.8	9.65	6.13	6.57
PCB-190	ng/kg	46.5	23	44	46.8	54.2	32.3	25.4
PCB-191	ng/kg	14	13.3	14.2	24.5	24.1	13	15
PCB-192	ng/kg	1.25 U	1.25 U	1.27 U	1.28 U	1.28 U	1.27 U	1.29 U
PCB-194	ng/kg	49	36	50.9	60.9	55.4	30.2	25.2
PCB-195	ng/kg	25.9	20	28	35.8	27.8	17.2	14.8
PCB-196	ng/kg	68.6	44.9	71.7	110	95.5	52.9	46.5
PCB-197/200	ng/kg	17.3	14.3	19.2	28.5	24.8	14	15.1
PCB-198/199	ng/kg	205	3.55 U	213	303	295	162	173
PCB-201	ng/kg	40.1	29.3	39.7	72.7	65.9	38.5	44.7
PCB-202	ng/kg	118	103	127	206	205	129	191
PCB-203	ng/kg	58.1	42.8	64.2	106	88.6	40	42.6
PCB-204	ng/kg	2.03 U	2.02 U	2.05 U	2.07 U	2.07 U	2.05 U	2.08 U
PCB-205	ng/kg	4.19 J	1.44 U	4.32 J	1.48 U	5.63	3.19 J	3.34 J
PCB-206	ng/kg	51.7	37.4	52.7	66.3	49.4	32.8	35
PCB-207	ng/kg	5.47	4.12 J	6.91	7.87	5.45	3.17 J	2.99 J
PCB-208	ng/kg	20.3	14.2	20.4	28.3	18.2	11.4	12.3
PCB-209	ng/kg	1.54 U	1.54 U	1.56 U	1.58 U	1.57 U	1.56 U	1.58 U
Total PCB Congeners (209)	ng/kg	43,800 J	37,300 J	44,000 J	122,000 J	65,800 J	44,900 J	43,400 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.2 U	7.1 U	7.2 U	7.2 U	7.2 U	7.1 U	7.1 U
Aroclor-1221	ug/kg	9.1 U	9.1 U	9.2 U	9.2 U	9.1 U	9.1 U	9.1 U
Aroclor-1232	ug/kg	16 U	16 U	16 U	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.5 U	6.6 U	6.6 U	6.6 U	6.5 U	6.5 U
Aroclor-1248	ug/kg	19 J	19 J	19 J	64	19 J	21 J	24 J
Aroclor-1254	ug/kg	6.6 U	13 J	6.6 U	27 JP	13 J	13 J	21 J
Aroclor-1260	ug/kg	9.7 U	9.7 U	9.8 U	9.8 U	9.7 U	9.7 U	9.7 U
Aroclor-1262	ug/kg	6.6 U	6.5 U	6.6 U	6.6 U	6.6 U	6.5 U	6.5 U
Aroclor-1268	ug/kg	6.6 U	6.5 U	6.6 U	6.6 U	6.6 U	6.5 U	6.5 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	19 J	32 J	19 J	91 PJ	32 J	34 J	45 J
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	19 J	32 J	19 J	91 PJ	32 J	34 J	45 J
Pesticides								
2,4'-DDD	pg/g	576	555	583	867	731	605	757
2,4'-DDE	pg/g	674 B	650 B	675 B	808 B	735 B	532 B	765 B
2,4'-DDT	pg/g	10.8 U	15.3 J	11.3 J	9.01 J	11.2 J	25.7 J	18.6 J
4,4'-DDD	pg/g	1,170	1,120	1,260	1,950	1,620	1,270	1,610
4,4'-DDE	pg/g	2,710 B	2,720 B	2,860 B	3,870 B	3,420 B	2,420 B	3,220 B
4,4'-DDT	pg/g	60.3 J	95	63.5	66.8	67.3	109	92.6
Aldrin	pg/g	8.64 J	9.22 J	11.8 J	8.02 J	9.16 U	11.9 J	9.69 J
Alpha-BHC	pg/g	6.4 U	6.4 U	5.74 J	7.49 J	5.32 J	8.14 J	8.71 J
Alpha-Chlordane	pg/g	815	807	931	1,310	1,150	868	1,010
Beta-BHC	pg/g	11.1 U	11.1 U	11.1 U	11.1 U	11.1 U	11.1 U	11.1 U
cis-Nonachlor	pg/g	263	261	284	447	376	296	323

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U	5.08 U
Dieldrin	pg/g	381	391	409	541	648	393	508
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U	63.3 U
Endrin	pg/g	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 U	131 U	131 U	131 U	131 U	131 U	131 U
Endrin Ketone	pg/g	76 U	76 U	76 U	76 U	76 U	76 U	76 U
Gamma-BHC (Lindane)	pg/g	7.69 U	8.18 J	7.69 U	8.44 J	9.73 J	8.62 J	9.7 J
Heptachlor	pg/g	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	66.7	66.7	65.6	89.8	83.7	61.7	83.6
Hexachlorobenzene	pg/g	220 B	185 B	220 B	198 B	216 B	162 B	141 B
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ	38.9 UJ
Mirex	pg/g	22.6 J	25 J	25.4 J	92.4	52.9	29.6 J	36.2 J
Nonachlor, trans-	pg/g	425	398	473	775	646	513	604
Oxychlordane	pg/g	27.6 J	31.5 J	30.9 J	45.6	44.9	58.2	53.9
trans-Chlordane	pg/g	545	561	641	982	764	609	678
trans-Heptachlor Epoxide	pg/g	17 U	17 U	17 U	17 U	17 U	17 U	17 U
Total Alpha + Gamma Chlordane	ppb	1.4	1.4	1.6	2.3	1.9	1.5	1.7
Total DDT (2,4)	ppb	1.3 B	1.2 BJ	1.3 BJ	1.7 BJ	1.5 BJ	1.2 BJ	1.5 BJ
Total DDT (4,4)	ppb	3.9 BJ	3.9 B	4.2 B	5.9 B	5.1 B	3.8 B	4.9 B
Total DDT (2,4 & 4,4)	ppb	5.2 BJ	5.2 BJ	5.5 BJ	7.6 BJ	6.6 BJ	5 BJ	6.5 BJ
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
1,2-Diphenylhydrazine	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
1-Methylnaphthalene	ug/kg	2.6 U	2.7 U	3 J	2.6 U	2.7 U	2.6 U	2.6 U
2,2'-oxybis(1-Chloropropane)	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
2,4,5-Trichlorophenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2,4,6-Trichlorophenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2,4-Dichlorophenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2,4-Dimethylphenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2,4-Dinitrophenol	ug/kg	1,200 U	1,200 UJ	1,200 U	1,200 U	1,200 U	1,200 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
2,6-Dinitrotoluene	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2-Chloronaphthalene	ug/kg	28 U	27 UJ	27 U	28 U	27 U	27 U	27 U
2-Chlorophenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2-Methylnaphthalene	ug/kg	2.6 U	3.1 J	5.2 J	2.6 U	2.7 U	3.7 J	2.6 U
2-Methylphenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	75 J
2-Nitroaniline	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
2-Nitrophenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
3,3'-Dichlorobenzidine	ug/kg	390 U	390 UJ	390 U	400 U	390 U	390 U	390 U
3-Nitroaniline	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	650 UJ	650 U	660 U	650 U	650 U	650 U
4-Bromophenyl phenyl ether	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
4-Chloro-3-Methylphenol	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
4-Chloroaniline	ug/kg	130 U	130 UJ	130 U	130 U	130 U	130 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
4-Methylphenol	ug/kg	66 U	65 UJ	71 J	66 U	65 U	65 U	65 U

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
4-Nitroaniline	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
4-Nitrophenol	ug/kg	660 U	650 UJ	650 U	660 U	650 U	650 U	650 U
Acenaphthene	ug/kg	3 J	4.5 J	3.5 J	2.6 U	2.9 J	2.6 U	2.6 U
Acenaphthylene	ug/kg	2.8 J	3.3 J	4.7 J	2.6 U	2.8 J	2.6 U	3 J
Acetophenone	ug/kg	68 J	65 UJ	65 U	66 U	72 J	150	65 U
Anthracene	ug/kg	5.7 J	6.2 J	7.7	4.8 J	6.5 J	4.9 J	6.7
Atrazine	ug/kg	130 U	130 UJ	130 U	130 U	130 U	130 U	130 U
Benzaldehyde	ug/kg	1,100	830 J	610 J	750	1,100	1,700	910
Benzidine	ug/kg	2,800 UJ	2,700 UJ	2,700 UJ	2,800 UJ	2,700 UJ	2,700 UJ	2,700 UJ
Benzo(a)anthracene	ug/kg	26	31	39	17	28	13	20
Benzo(a)pyrene	ug/kg	34	36	47	17	25	11	17
Benzo(b)fluoranthene	ug/kg	32	40	43	23	32	16	24
Benzo(e)pyrene	ug/kg	41 J	46	50	34	41	25	34
Benzo(g,h,i)perylene	ug/kg	24 J	30	34	25	25	19	26
Benzo(j,k)fluoranthene	ug/kg	35 J	35	46	22	29	13	21
Benzoic Acid	ug/kg	2,900 J	2,600 J	1,300 J	1,500 J	1,700 J	5,600 J	2,800 J
Biphenyl	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
bis(2-Chloroethoxy)methane	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
bis(2-Chloroethyl)ether	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
Butyl benzyl phthalate	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
C1-Chrysenes	ug/kg	55	54	57	32	45	24	35
C1-Fluoranthenes/Pyrenes	ug/kg	88	86	94	62	81	54	65
C1-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	3.4 J	4.3 J	6.1 J	2.9 J	4.3 J	4.9 J	3.6 J
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	53	52	54	37	43	33	42
C2-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	5.1 J	6.1 J	7.7	4.3 J	6.5 J	6 J	7.1
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Chrysenes	ug/kg	14	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Fluoranthenes/Pyrenes	ug/kg	32	35	32	28	34	23	26
C3-Fluorenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	3.3 J	2.6 U	2.6 U
Caprolactam	ug/kg	130 U	130 UJ	130 U	130 U	130 U	130 U	130 U
Carbazole	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
Chrysene	ug/kg	36 J	43	50	28	41	22	33
Dibenzo(a,h)anthracene	ug/kg	5.9 J	7.2	6.8	3.9 J	4.6 J	2.6 J	4 J
Dibenzofuran	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
Diethyl phthalate	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
Dimethylphthalate	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
Di-n-Butylphthalate	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
Di-n-Octylphthalate	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
Fluoranthene	ug/kg	39	46	53	33	49	24	42

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED122ACL 08/25/15 NB03CLM122A	NB03SED122BCL 08/25/15 NB03CLM122B	NB03SED122CCL 08/25/15 NB03CLM122C	NB03SED123ACL 08/25/15 NB03CLM123A	NB03SED123BCL 08/25/15 NB03CLM123B	NB03SED124CL 08/25/15 NB03CLM124	NB03SED125CL 08/25/15 NB03CLM125
Fluorene	ug/kg	2.6 U	2.7 U	2.6 U	2.6 U	2.7 U	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
Hexachlorocyclopentadiene	ug/kg	660 U	650 UJ	650 U	660 U	650 U	650 U	650 U
Hexachloroethane	ug/kg	130 U	130 UJ	130 U	130 U	130 U	130 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	22 J	26 J	37 J	15 J	20 J	10 J	17 J
Isophorone	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
Naphthalene	ug/kg	3.8 J	4.6 J	6.7	3 J	4.7 J	3.3 J	2.6 J
Nitrobenzene	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
N-Nitroso-di-n-propylamine	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
N-Nitrosodiphenylamine	ug/kg	66 U	65 UJ	65 U	66 U	65 U	65 U	65 U
Pentachlorophenol	ug/kg	130 U	130 UJ	130 U	130 U	130 U	130 U	130 U
Perylene	ug/kg	12 J	14	15	8.1	10	6 J	8.6
Phenanthrene	ug/kg	5.5 J	6.4 J	12	4.9 J	8.6	3.4 J	12
Phenol	ug/kg	77 J	68 J	65 U	66 U	65 U	65 U	65 U
Pyrene	ug/kg	71	71	83	46	65	37	52
Pyridine	ug/kg	260 U	260 UJ	260 U	260 U	260 U	260 U	260 U
Total HMW PAHs	ppb	320 J	370 J	440 J	230 J	320 J	170 J	260 J
Total LMW PAHs	ppb	21 J	28 J	40 J	13 J	26 J	15 J	24 J
TOTAL PAHs	ppb	350 J	390 J	480 J	240 J	340 J	180 J	280 J
Physical Properties[1]								
Percent Moisture	%	81.2	83.2	82	81.3	82.2	82.4	82
Water Content ASTM D2216	%	432	497	456	434	462	469	457

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	4.72 JB	5.71 B	13.7 B	5.5 B	4.58 JB	2.51 JB	3.52 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	1.89 JB	4.53 JB	6.43 B	2.41 JB	2.65 JB	1.4 JB	4.49 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.111 JB	0.247 JBQ	0.454 JB	0.249 JBQ	0.192 JBQ	0.104 JB	0.18 JBQ
1,2,3,4,7,8-HxCDD	ng/kg	0.105 J	0.154 J	0.226 J	0.567 JQ	0.147 J	0.0701 JQ	0.123 JQ
1,2,3,4,7,8-HxCDF	ng/kg	0.476 JB	1.02 JB	1.4 JB	0.545 JB	0.609 JB	0.396 JB	1.35 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.82 JQ	0.821 JQ	0.699 JB	0.433 J	1.02 JQ	0.21 JBQ	0.283 JB
1,2,3,6,7,8-HxCDF	ng/kg	0.189 JB	0.334 JB	0.689 JB	0.254 JB	0.264 JB	0.141 JB	0.326 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.229 JQ	0.272 J	0.488 JB	0.347 JQ	0.259 JQ	0.111 JB	0.201 JBQ
1,2,3,7,8,9-HxCDF	ng/kg	0.105 JBQ	0.151 JBQ	0.0335 U	0.157 JBQ	0.128 JB	0.0902 JB	0.169 JB
1,2,3,7,8-PeCDD	ng/kg	0.0526 U	0.0523 U	0.273 J	0.26 JBQ	0.162 JB	0.242 JQ	0.132 J
1,2,3,7,8-PeCDF	ng/kg	0.45 JB	0.518 JB	1.27 JBQ	0.75 JBQ	0.781 JB	0.342 JB	0.586 JBQ
2,3,4,6,7,8-HxCDF	ng/kg	0.214 JB	0.32 JB	0.678 JB	0.332 JBQ	0.273 JBQ	0.16 JB	0.295 JB
2,3,4,7,8-PeCDF	ng/kg	0.748 J	0.933 J	1.48 JB	1.09 J	1.13 J	0.379 JB	0.771 JB
2,3,7,8-TCDD	ng/kg	3.48	9.59	5.04	4.79	7.08	2.66	6.86
2,3,7,8-TCDF	ng/kg	2.07 C	2.04 C	2.38 BC	2.72 C	4.24 C	1.45 BC	1.37 BC
OCDD	ng/kg	30.2 B	41.2 B	126 B	51.3 B	37.2 B	19.5 B	29 B
OCDF	ng/kg	2.15 JB	5.45 JB	9.66 JB	4.18 JB	3.9 JB	2.23 JB	6.09 JB
Percent Lipid	%	0.29	0.49	0.5	0.1	1	0.49	0.39
Metals								
Aluminum	mg/kg	295 J-	356 J-	5.6 U	240 J-	380 J-	335	397
Antimony	mg/kg	0.0647 U	0.128 B	0.066 U	0.15 B	0.0668 B	0.268	0.108 B
Arsenic	mg/kg	1.43	2.86	1.97	4.18	2.69 J	8.93	4.82
Barium	mg/kg	2.83	8.28	0.584	6.14	13 J	18.5	7.92
Beryllium	mg/kg	0.0184 B	0.0264 B	0.0142 U	0.0257 B	0.032 B	0.0306 B	0.0307 B
Cadmium	mg/kg	0.162	0.212	0.046 U	0.181	0.13	0.345	0.174
Calcium	mg/kg	1,030	1,560	1,780	1,360	1,980 J	1,330	2,890
Chromium	mg/kg	1.78	5.2	0.1 U	1.66	1.79	5.81	2.13
Cobalt	mg/kg	0.306	0.387	0.02 U	0.386	0.446	0.738	0.415
Copper	mg/kg	8.71	13.8	15.7	10.1	6.94	12	6.86
Iron	mg/kg	908	1,800	6.21 B	1,970	1,540	6,820	3,850
Lead	mg/kg	4.89	9.26	0.026 U	7.42	4.61 J	21.4	4.98
Magnesium	mg/kg	657 J-	804 J-	450	726 J-	760 J-	853	964
Manganese	mg/kg	12.7	47.5	3.23	34.4	54.7	24.7	27.3
Mercury	ng/g	55.3	101	213	78	94.4	67	125
Methyl Mercury	ng/g	34.6	18	29.4 J	28	63.2	47 J	60.9 J
Nickel	mg/kg	2.11	1.64	0.188 U	1.51	1.41	1.72	4.19
Potassium	mg/kg	2,440 J-	2,600 J-	4,270	2,330 J-	2,550 J-	2,140	2,520
Selenium	mg/kg	0.744	0.798	0.854	0.894	0.969	0.934	0.888
Silver	mg/kg	0.245	0.598	0.433	0.203	0.368	0.156	0.359
Sodium	mg/kg	2,950 J-	3,500 J-	2,060	3,000 J-	3,210 J-	3,500	3,880
Thallium	mg/kg	0.0294 U	0.03 U	0.03 U	0.0294 U	0.0294 U	0.0294 U	0.03 U
Titanium	mg/kg	8.85	10.5	11.5	8.55	12.4	16.4	14.7
Vanadium	mg/kg	1.11	1.65	3.05	1.25	1.3	3.44	2.43
Zinc	mg/kg	21.9	31.3	46.2	35.7	22.4 J	47.9	24.8
Butyltins								
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	2	1.4	1.3 U	1.3 J
Monobutyltin	ug/kg	20 UCN	21 UCN	20 UCN	20 UCN	20 UCN	20 UCN	21 UCN

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
Tetrabutyltin	ug/kg	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Tributyltin	ug/kg	9.5	11 P	5.9	14	14	8.6	5.4
PCB Congeners								
PCB-1	ng/kg	22.2	40.8	35.9	154	48.7 B	53.9	32.2
PCB-2	ng/kg	0.694 U	8.23	14.8	9.75	7.2 B	5.3	14
PCB-3	ng/kg	6.41	R	22.2	19.5	11.6	6.77	14.6
PCB-4	ng/kg	170	213	299 E	506 E	335 E	190	204
PCB-5	ng/kg	0.964 J	0.779 U	5.38	5.4	3.02 J	1.11 J	3.81 J
PCB-6	ng/kg	62.7	83.9	80.9	185	133	45.7	64.3
PCB-7	ng/kg	0.794 U	12.9	16.8	17.3	11.5	3.09	9.79
PCB-8	ng/kg	113 B	313 BE	379 BE	431 BE	310 BE	99 B	256 B
PCB-9	ng/kg	6.38	20.1	19.5	30.1	18.1 B	5.31	15.7
PCB-10	ng/kg	17.4	19.2	21	25.8	25.8	20.1	15.1
PCB-11	ng/kg	423 BE	635 BE	552 BE	607 BE	640 BEJ	281 B	451 BE
PCB-12/13	ng/kg	55	81.2	130	109	102	40.3	74.9
PCB-14	ng/kg	0.794 U	0.779 U	0.784 U	0.764 U	0.775 U	0.789 U	0.786 U
PCB-15	ng/kg	247	451 E	504 E	479 E	449 BEJ	206	310 E
PCB-16	ng/kg	278 B	473 BE	716 BE	667 BE	656 BEJ	221 B	444 BE
PCB-17	ng/kg	467 BE	613 BE	881 BE	1,000 BE	1,120 EJ	399 BE	626 BE
PCB-18/30	ng/kg	730 E	1,080 E	1,560 BE	1,660 E	1,720 BEJ	644 BE	1,070 BE
PCB-19	ng/kg	147	168	266	281	302 BEJ	128	155
PCB-20/28	ng/kg	2,810 BE	3,770 BE	4,640 BE	5,530 BE	6,390 BEJ	1,970 BE	2,920 BE
PCB-21/33	ng/kg	407	2.04 U	1,110 E	1,320 E	1,410 E	329	716 E
PCB-22	ng/kg	574 E	949 E	1,130 E	1,480 E	1,470 BEJ	464 E	777 E
PCB-23	ng/kg	0.829 J	0.682 U	2.52	2.72	3.22	0.776 J	1.38 J
PCB-24	ng/kg	0.992 U	0.974 U	0.98 U	0.955 U	18.1	7.52	10.6
PCB-25	ng/kg	319 E	343 E	345 E	593 E	639 EJ	199	267
PCB-26/29	ng/kg	609 E	698 E	665 E	1,080 E	1,120 EJ	351	500
PCB-27	ng/kg	167	178	238	286	308 E	139	176
PCB-31	ng/kg	1,860 BE	2,770 BE	3,360 BE	3,810 BE	4,290 BEJ	1,430 BE	2,300 BE
PCB-32	ng/kg	462 E	517 E	754 E	930 E	984 BEJ	350 E	481 E
PCB-34	ng/kg	13.6	16.4	17.8	30.1	35.2	9.59	14.5
PCB-35	ng/kg	51.3	0.876 U	100	109	114 J	40	68.8
PCB-36	ng/kg	9.39	9.45	8.8	10.8	15.3	7.07	6.19
PCB-37	ng/kg	495 E	0.974 U	743 E	1,170 E	1,200 EJ	404 E	538 E
PCB-38	ng/kg	3.2	4.5	3.64	6.51	3.08	3.65	2.47
PCB-39	ng/kg	20.4	25	31.7	41.7	37.8	17.4	22.6
PCB-40/71	ng/kg	1,210 E	1,460 E	2,170 E	3,000 E	3,530 EJ	1,200 E	1,320 E
PCB-41	ng/kg	92.4	177	325	361	377	105	158
PCB-42	ng/kg	835 E	997 E	1,450 E	2,170 E	2,620 EJ	844 E	960 E
PCB-43	ng/kg	98.6	141	165	314	360	126	125
PCB-44/47/65	ng/kg	2,900 E	3,590 E	4,690 BE	7,350 E	8,390 EJ	2,700 BE	3,090 BE
PCB-45	ng/kg	233	297	561	618 E	776 E	224	281
PCB-46	ng/kg	107	142	221	291	322	107	122
PCB-48	ng/kg	383	534	844 E	1,230 E	1,450 E	431	533
PCB-49/69	ng/kg	1,860 E	2,220 E	3,050 E	4,750 E	6,050 EJ	1,900 E	2,290 E
PCB-50/53	ng/kg	400	427	631	873	1,070	361	401
PCB-51	ng/kg	234	245	222	394	516	204	245
PCB-52	ng/kg	3,220 BE	4,060 BE	5,950 BE	8,200 BE	9,240 BEJ	3,140 BE	3,480 BE

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: / Date Homogenized: / Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
PCB-54	ng/kg	25.4	23.4	21.5	34.1	43.4	19	28
PCB-55	ng/kg	17.2	33.8	26	52.9	71.3	21.5	19.6
PCB-56	ng/kg	1,330 E	1,550 E	2,560 E	3,470 E	4,530 EJ	1,270 E	1,460 E
PCB-57	ng/kg	21.6	21.4	1.08 U	51.4	52.4	17.1	18.9
PCB-58	ng/kg	21.8	22.5	21	41.9	56.1	19.5	18.3
PCB-60	ng/kg	482	697 E	909 E	1,460 E	1,660 EJ	454	498
PCB-61/70/74/76	ng/kg	4,090 E	5,490 E	8,440 E	10,600 E	14,900 EJ	3,960 E	5,040 E
PCB-62/75	ng/kg	316	383	504	740	893	325	353
PCB-63	ng/kg	117	137	172	289	397 J	111	113
PCB-64	ng/kg	1,180 E	1,460 E	2,050 E	3,180 E	3,640 EJ	1,170 E	1,200 E
PCB-66	ng/kg	3,070 E	3,460 E	5,180 BE	7,080 E	9,860 BEJ	2,740 BE	3,080 BE
PCB-67	ng/kg	92.4	109	123	236	288	79.4	94.5
PCB-68	ng/kg	41.8	41.4	38	70.4	86.5	30.6	32.1
PCB-72	ng/kg	76.9	74	69.9	124	150	51.3	55.3
PCB-73	ng/kg	10.4	1.36 U	20.4	17.5	30	7.22	13
PCB-77	ng/kg	R	R	473	R	831 EJ	227	267
PCB-78	ng/kg	1.59 U	1.56 U	1.87 J	1.53 U	2.67 J	1.58 U	1.57 U
PCB-79	ng/kg	37.8	42.9	57.5	68.1	72.4 J	26.1	28
PCB-80	ng/kg	1.09 U	1.07 U	1.08 U	1.05 U	2.61 J	1.08 U	1.08 U
PCB-81	ng/kg	7.2	11.9	14.6	24.8	36	8.52	9.44
PCB-82	ng/kg	334	441	751 E	873 E	996 E	314	335
PCB-83	ng/kg	213	238	426	401	523 J	196	222
PCB-84	ng/kg	458	654 E	1,070 E	1,100 E	1,320 EJ	455	512
PCB-85/116/117	ng/kg	601	680	1,160	1,370	1,680	486	601
PCB-86/87/97/109/119/125	ng/kg	1,550	2,090	3,080	3,550 E	4,330 E	1,260	1,530
PCB-88	ng/kg	2.18 U	2.14 U	2.16 U	2.1 U	2.13 U	2.17 U	2.16 U
PCB-89	ng/kg	27.3	34.5	76.1	79.9	105	32.2	34.7
PCB-90/101/113	ng/kg	2,610 E	3,250 E	4,980 E	5,090 E	6,780 EJ	2,320 E	2,640 E
PCB-91	ng/kg	420	520	785 E	876 E	1,230 EJ	411	458
PCB-92	ng/kg	783 E	853 E	1,230 E	1,430 E	1,840 EJ	639 E	683 E
PCB-93/100	ng/kg	116	107	109	159	220	84.9	127
PCB-94	ng/kg	31.1	31.4	44.1	63.2	80.6	29.6	35.9
PCB-95	ng/kg	2,240 E	2,710 E	3,580 E	4,620 E	5,280 EJ	1,610 E	1,960 E
PCB-96	ng/kg	16.7	25.2	41.5	45.8	58.6	21.8	25.9
PCB-98/102	ng/kg	113	135	197	250	340	116	141
PCB-99	ng/kg	1,720 E	1,900 E	2,660 BE	3,180 E	4,350 BEJ	1,260 BE	1,560 BE
PCB-103	ng/kg	47.6	48.3	51.9	72.2	101	37.8	50.1
PCB-104	ng/kg	13.4	9.63	6.15	12.1	17.9	6.78	13.1
PCB-105	ng/kg	1,090 E	1,610 E	1,940 E	2,610 E	2,880 BEJ	852 E	959 E
PCB-106	ng/kg	1.69 U	1.66 U	1.67 U	1.62 U	1.65 U	1.68 U	1.67 U
PCB-107	ng/kg	306	361	400	585 E	654 E	170	207
PCB-108/124	ng/kg	176	256	252	354	396	101	127
PCB-110/115	ng/kg	3,150 E	4,040 E	6,320 E	6,980 E	7,700 EJ	2,580 E	3,160 E
PCB-111	ng/kg	6.16	1.36 U	5.53	7.15	8.47	3.2 J	4.21 J
PCB-112	ng/kg	1.39 U	1.36 U	6.6	1.34 U	1.36 U	1.38 U	4.86 J
PCB-114	ng/kg	76.3	112	138	198	223	62.1	66.7
PCB-118	ng/kg	2,990 E	4,410 E	4,980 BE	6,480 E	6,990 BEJ	2,000 BE	2,440 BE
PCB-120	ng/kg	19.4	19	20.7	25.8	33.9	11.6	15.9
PCB-121	ng/kg	1.19 U	2 J	1.18 U	3.57 J	4.76 J	2.03 J	2.11 J

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
PCB-122	ng/kg	61.1	73.4	93.7	132	145	45.9	45.3
PCB-123	ng/kg	77.4	112	122	188	210	68.9	70.1
PCB-126	ng/kg	7.08	11.3	15	18.1	20.1	5.77	6.77
PCB-127	ng/kg	R	5.47	1.37 U	R	6.57	1.38 U	1.38 U
PCB-128/166	ng/kg	424	531	701	857	740	296	354
PCB-129/138/163	ng/kg	2,900 E	3,370 E	4,920 E	5,410 E	4,770 BEJ	1,840 E	2,660 E
PCB-130	ng/kg	305	301	425	503	473 J	185	232
PCB-131	ng/kg	36.3	46.3	67.1	81.2	1.65 U	20.6	29.2
PCB-132	ng/kg	844 E	989 E	1,530 E	1,840 E	1,430 E	524	721 E
PCB-133	ng/kg	114	105	119	166	190	66.4	81.4
PCB-134	ng/kg	216	279	341	409	386	131	183
PCB-135/151	ng/kg	1,200 E	1,510 E	2,100 E	2,210 E	2,180 EJ	904	1,330 E
PCB-136	ng/kg	240	364	578	493	518 J	214	315
PCB-137	ng/kg	199	219	311	373	311 J	131	144
PCB-139/140	ng/kg	67.8	71.8	105	120	110	37.4	51.2
PCB-141	ng/kg	222	335	480	569	533	1.68 U	225
PCB-142	ng/kg	1.69 U	1.66 U	1.67 U	1.62 U	1.65 U	1.68 U	1.67 U
PCB-143	ng/kg	3.27 U	3.21 U	3.24 U	3.15 U	9.98	3.25 U	3.78 J
PCB-144	ng/kg	98.7	141	229	234	195	81	124
PCB-145	ng/kg	1.59 U	1.9 J	2.51 J	2.53 J	2.24 J	1.58 U	1.57 U
PCB-146	ng/kg	807 E	R	996 E	1,210 E	1,150 EJ	452	571
PCB-147/149	ng/kg	2,570 E	2,840 E	4,090 E	4,640 E	4,240 EJ	1,490 E	2,310 E
PCB-148	ng/kg	18.4	18.8	19.6	24.7	26.1	11.9	1.38 U
PCB-150	ng/kg	15.8	20.9	16	17.9	20	9.53	14.3
PCB-152	ng/kg	1.39 U	5.45	6.7	6.79	7.96	3.53 J	5.38
PCB-153/168	ng/kg	2,980 E	2,870 E	4,400 BE	4,890 E	4,540 BEJ	2.96 U	2,490 BE
PCB-154	ng/kg	123	188	89	108	118	48.3	81.3
PCB-155	ng/kg	45.5	42.2	26.2	53.7	69	21.1	47.8
PCB-156/157	ng/kg	281	402	452	554	536	176	210
PCB-158	ng/kg	274	336	458	553	470 J	164	236
PCB-159	ng/kg	1.39 U	1.36 U	1.37 U	1.34 U	1.36 U	1.38 U	1.38 U
PCB-160	ng/kg	6.25 U	6.13 U	6.18 U	6.02 U	6.1 U	6.21 U	6.19 U
PCB-161	ng/kg	1.29 U	R	1.27 U	1.24 U	1.26 U	1.28 U	1.28 U
PCB-162	ng/kg	33.5	39.3	50.1	60.6	62.2	1.28 U	1.28 U
PCB-164	ng/kg	254	269	381	443	424	163	241
PCB-165	ng/kg	1.29 U	R	4 J	6.54	7.19	3.17 J	3.74 J
PCB-167	ng/kg	133	170	187	222	229	76.8	95.7
PCB-169	ng/kg	1.49 U	1.46 U	1.47 U	1.43 U	1.45 U	1.48 U	1.47 U
PCB-170	ng/kg	221	241	472	542	494 J	1.28 U	1.28 U
PCB-171/173	ng/kg	178	R	266	361	R	R	R
PCB-172	ng/kg	51.1	58.5	95.7	113	98.7	1.28 U	1.28 U
PCB-174	ng/kg	280	R	553	725 E	489	191	291
PCB-175	ng/kg	46.1	R	61.8	80.5	74.3	28.3	42.4
PCB-176	ng/kg	81.7	90.5	142	167	133	57.4	86
PCB-177	ng/kg	607 E	R	742 E	1,160 E	R	379	534
PCB-178	ng/kg	367	R	413	585 E	557	237	334
PCB-179	ng/kg	360	395	523	696 E	570	240	361
PCB-180/193	ng/kg	1,070	1,020	1,590 E	1,900 E	1,960 EJ	2.96 U	940
PCB-181	ng/kg	6.19	R	9.08	12.7	R	3.48 J	4.54 J

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
PCB-182	ng/kg	5.86	R	6.31	8.95	9.83	4.01 J	4.98
PCB-183/185	ng/kg	495	R	740	971	784	303	411
PCB-184	ng/kg	4.77 J	3.89 J	4.14 J	4.77 J	4.65 J	2.29 J	3.6 J
PCB-186	ng/kg	1.49 U	1.46 U	1.47 U	1.43 U	1.45 U	1.48 U	1.47 U
PCB-187	ng/kg	1,500 E	R	1,700 E	2,460 E	R	920 E	1,250 E
PCB-188	ng/kg	20.6	30.1 J	7.52	11.3	14.6	5.28	7.31
PCB-189	ng/kg	11.8	16.2	20.6	22.4	20.3	7.25	10.2
PCB-190	ng/kg	45.9	43.8	113	96.1	158	1.38 U	1.38 U
PCB-191	ng/kg	28.4	28.3	37.4	52.2	46.5	16.8	23.3
PCB-192	ng/kg	1.29 U	1.27 U	1.27 U	1.24 U	1.26 U	1.28 U	1.28 U
PCB-194	ng/kg	58.1	64.6	137	141	69.1 J	1.78 U	1.77 U
PCB-195	ng/kg	27.9	37.9	63.1	75.4	52.4	19.8	31.7
PCB-196	ng/kg	119	135	194	179	199	88.9	106
PCB-197/200	ng/kg	33	39.7	56.7	56.6	37.1	R	R
PCB-198/199	ng/kg	398	439	584	531	622	261	342
PCB-201	ng/kg	99.1	102	114	124	116	59.8	73.7
PCB-202	ng/kg	348	328	258	324	406	161	211
PCB-203	ng/kg	114	146	201	184	181	83.7	109
PCB-204	ng/kg	2.08 U	2.04 U	2.06 U	2.01 U	2.03 U	2.07 U	2.06 U
PCB-205	ng/kg	5.87	7.25	10.3	13.3	10.2	4.05 J	5.97
PCB-206	ng/kg	106	123 J	125	99.9	83.9	34.8	70.3
PCB-207	ng/kg	9.09	12.1	14.4	10	6.72	3.6 J	7.06
PCB-208	ng/kg	37.9	46.7	49	32.1	28.9	13	25.7
PCB-209	ng/kg	1.59 U	85.4	1.57 U	1.53 U	1.55 U	1.58 U	1.57 U
Total PCB Congeners (209)	ng/kg	73,500 J	85,000 J	127,000 J	158,000 J	176,000 J	55,300 J	74,000 J
Aroclor PCBs								
Aroclor-1016	ug/kg	7.2 U	7.1 U	7 U	7.1 U	7.2 U	7.1 U	7.1 U
Aroclor-1221	ug/kg	9.2 U	9.1 U	9 U	9.1 U	9.1 U	9.1 U	9 U
Aroclor-1232	ug/kg	16 U	16 U	16 U	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.5 U	6.4 U	6.5 U	6.6 U	6.5 U	6.5 U
Aroclor-1248	ug/kg	41	37	45	60	54	31 J	72
Aroclor-1254	ug/kg	34 JP	36 P	6.4 U	46	38	6.5 U	6.5 U
Aroclor-1260	ug/kg	9.8 U	9.7 U	9.5 U	9.7 U	9.7 U	9.7 U	9.6 U
Aroclor-1262	ug/kg	6.6 U	6.5 U	6.4 U	6.5 U	6.6 U	6.5 U	6.5 U
Aroclor-1268	ug/kg	6.6 U	6.5 U	6.4 U	6.5 U	6.6 U	6.5 U	6.5 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	75 PJ	73 P	45	110	92	31 J	72
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	75 PJ	73 P	45	110	92	31 J	72
Pesticides								
2,4'-DDD	pg/g	1,080	1,110	5,550 D	3,520	3,320	1,250 D	927 DJ
2,4'-DDE	pg/g	1,220 B	2,040 B	7,160 D	6,460 B	9,910 BJ	2,660 D	2,400 D
2,4'-DDT	pg/g	15.1 J	9.7 J	104 JD	29 J	34.5 J	10.8 UD	10.8 UD
4,4'-DDD	pg/g	2,360	2,170	11,400 D	8,830	8,700 J	3,070 DJ	2,090 DJ
4,4'-DDE	pg/g	4,920 B	6,670 B	19,300 BD	16,700 B	31,600 BDJ	7,860 BDJ	8,470 BDJ
4,4'-DDT	pg/g	69.6	55 J	444 DJ	259	250	4,160 D	83.1 JD
Aldrin	pg/g	10.7 J	9.16 U	9.16 UD	72.7	38.1 J	9.07 JD	13 JD
Alpha-BHC	pg/g	8.7 J	6.73 J	10.9 JD	13.8 J	13.3 J	6.4 UD	6.4 UD
Alpha-Chlordane	pg/g	1,340	1,020	1,120 DJ	1,320	2,140	789 DJ	1,200 DJ
Beta-BHC	pg/g	11.1 U	11.1 U	11.1 UD	11.1 U	11.1 U	11.1 UD	16.3 JD
cis-Nonachlor	pg/g	429	371	474 DJ	480	731	290 DJ	515 DJ

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
Delta-BHC	pg/g	5.08 U	5.08 U	5.08 UD	5.08 U	5.08 U	5.08 UD	5.08 UD
Dieldrin	pg/g	590	753	897 DJ	666	896	417 DJ	534 DJ
Endosulfan I	pg/g	57.4 U	57.4 U	57.4 UD	57.4 U	57.4 U	57.4 UD	57.4 UD
Endosulfan II	pg/g	58.3 U	58.3 U	58.3 U	58.3 U	58.3 U	58.3 UD	58.3 UD
Endosulfan Sulfate	pg/g	63.3 U	63.3 U	R	63.3 U	63.3 U	63.3 UD	63.3 UD
Endrin	pg/g	13.9 U	13.9 U	13.9 UD	4.3 J	13.9 U	13.9 UD	13.9 UD
Endrin Aldehyde	pg/g	131 U	131 U	131 UD	131 U	131 U	131 UD	131 UD
Endrin Ketone	pg/g	76 U	76 U	76 UD	76 U	76 U	76 UD	76 UD
Gamma-BHC (Lindane)	pg/g	7.26 J	9.29 J	7.69 UD	7.69 U	9.01 J	7.69 UD	7.69 UD
Heptachlor	pg/g	32.5 U	32.5 U	32.5 UD	32.5 U	32.5 U	32.5 UD	32.5 UD
Heptachlor Epoxide	pg/g	83.7	70.1	79.4 JD	80	127	65.1 JD	84.5 JD
Hexachlorobenzene	pg/g	165 B	265 B	606 BD	273 B	330 B	243 BD	187 JBD
Methoxychlor	pg/g	38.9 UJ	38.9 UJ	38.9 UDJ	38.9 UJ	38.9 UJ	38.9 UDJ	38.9 UDJ
Mirex	pg/g	35.4 J	26.2 J	26.4 JD	51.1	9.33 U	24.9 JD	33.4 JD
Nonachlor, trans-	pg/g	886	597	671 D	841	1,190	407 DJ	714 DJ
Oxychlordane	pg/g	53	46	10 UD	52.7	84.5	40.3 JD	61 JD
trans-Chlordane	pg/g	856	859	1,010 D	1,030	1,440	565 DJ	843 D
trans-Heptachlor Epoxide	pg/g	118	17 U	17 UD	17 U	133	17 UD	17 UD
Total Alpha + Gamma Chlordane	ppb	2.2	1.9	2.1 DJ	2.4	3.6	1.4 DJ	2 DJ
Total DDT (2,4)	ppb	2.3 BJ	3.2 BJ	13 DJ	10 BJ	13 BJ	3.9 D	3.3 DJ
Total DDT (4,4)	ppb	7.3 B	8.9 BJ	31 BDJ	26 B	41 BDJ	15 BDJ	11 BDJ
Total DDT (2,4 & 4,4)	ppb	9.7 BJ	12 BJ	44 BDJ	36 BJ	54 BDJ	19 BDJ	14 BDJ
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
1,2-Diphenylhydrazine	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
1-Methylnaphthalene	ug/kg	2.6 U	9	3.2 J	2.6 U	2.6 U	2.6 U	3.5 J
2,2'-oxybis(1-Chloropropane)	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
2,4,5-Trichlorophenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2,4,6-Trichlorophenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2,4-Dichlorophenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2,4-Dimethylphenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2,4-Dinitrophenol	ug/kg	1,200 U	1,200 U	1,200 U	1,200 U	1,200 U	1,200 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
2,6-Dinitrotoluene	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2-Chloronaphthalene	ug/kg	28 U	27 U	27 U	27 U	28 U	28 U	28 U
2-Chlorophenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2-Methylnaphthalene	ug/kg	2.6 U	16	5.5 J	3.7 J	2.6 U	2.6 U	7.1
2-Methylphenol	ug/kg	66 U	65 U	65 U	65 U	240	66 U	67 U
2-Nitroaniline	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
2-Nitrophenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
3,3'-Dichlorobenzidine	ug/kg	390 U	390 U	390 U	390 U	400 U	400 U	400 U
3-Nitroaniline	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	650 U	650 U	650 U	660 U	660 U	670 U
4-Bromophenyl phenyl ether	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
4-Chloro-3-Methylphenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
4-Chloroaniline	ug/kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
4-Methylphenol	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
4-Nitroaniline	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
4-Nitrophenol	ug/kg	660 U	650 U	650 U	650 U	660 U	660 U	670 U
Acenaphthene	ug/kg	2.6 U	2.6 U	4.3 J	2.6 U	4.5 J	2.6 U	4.5 J
Acenaphthylene	ug/kg	2.6 U	2.6 U	8.4	3.1 J	2.6 U	2.6 U	3.7 J
Acetophenone	ug/kg	73 J	65 U	96 J	75 J	120 J	66 U	67 U
Anthracene	ug/kg	5.3 J	4.6 J	18	9.1	3.7 J	6.1 J	10
Atrazine	ug/kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Benzaldehyde	ug/kg	480 J	1,200	580 J	940	2,000	960	270 U
Benzidine	ug/kg	2,800 UJ	2,700 UJ	2,700 U	2,700 UJ	2,800 UJ	2,800 U	2,800 U
Benzo(a)anthracene	ug/kg	16	17	57	29	18	17	35
Benzo(a)pyrene	ug/kg	16	15	48	25	13	11	27
Benzo(b)fluoranthene	ug/kg	23	20	62	34	21	15	37
Benzo(e)pyrene	ug/kg	38	28	57	50	33	23	46
Benzo(g,h,i)perylene	ug/kg	27	17	42	39	20	15	30
Benzo(j,k)fluoranthene	ug/kg	20	17	46	34	17	16	34
Benzoic Acid	ug/kg	1,400 J	1,400 J	650 U	1,500 J	3,000 J	760 J	670 U
Biphenyl	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
bis(2-Chloroethoxy)methane	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
bis(2-Chloroethyl)ether	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	300 J
Butyl benzyl phthalate	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
C1-Chrysenes	ug/kg	33	43	93	50	40	34	65
C1-Fluoranthenes/Pyrenes	ug/kg	66	64	140	96	78	68	130
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.6 U	16	7.2	5.4 J	4 J	2.6 J	7.4
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	31	2.6 U	2.6 U	8.1	2.6 U
C2-Chrysenes	ug/kg	2.6 U	42	82	54	2.6 U	29	42
C2-Fluoranthenes/Pyrenes	ug/kg	44	56	110	68	53	48	77
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	19	2.6 U	8.5	6.4 J	2.6 U	2.6 U
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	38	58	2.6 U	2.6 U	22	42
C3-Chrysenes	ug/kg	2.6 U	22	40	21	2.6 U	2.6 U	16
C3-Fluoranthenes/Pyrenes	ug/kg	33	47	90	57	50	42	61
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	31	2.6 U	12	2.6 U	2.6 U	2.6 U
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	2.6 U	110	2.6 U	2.6 U	45	2.6 U
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	28	2.6 U	16	2.6 U	2.6 U	2.6 U
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U	2.6 U
Caprolactam	ug/kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Carbazole	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
Chrysene	ug/kg	26	26	61	43	29	25	44
Dibenzo(a,h)anthracene	ug/kg	5 J	2.7 J	9.4	5.4 J	2.7 J	2.6 U	4.2 J
Dibenzofuran	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
Diethyl phthalate	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
Dimethylphthalate	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
Di-n-Butylphthalate	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
Di-n-Octylphthalate	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
Fluoranthene	ug/kg	31	28	97	46	35	34	69

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED127ACL 08/25/15 NB03CLM127A	NB03SED127BCL 08/25/15 NB03CLM127B	NB03SED129CL 08/19/15 NB03CLM129	NB03SED130CL 08/25/15 NB03CLM130	NB03SED131ACL 08/25/15 NB03CLM131A	NB03SED131BCL 08/19/15 NB03CLM131B	NB03SED132ACL 08/19/15 NB03CLM132A
Fluorene	ug/kg	2.6 U	2.6 U	3.9 J	2.6 U	2.6 J	2.6 U	2.6 U
Hexachlorobutadiene	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
Hexachlorocyclopentadiene	ug/kg	660 U	650 U	650 U	650 U	660 U	660 U	670 U
Hexachloroethane	ug/kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	14 J	11 J	42 J	22 J	8.7 J	8.3 J	18 J
Isophorone	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
Naphthalene	ug/kg	2.6 U	9.6	7.4	3.8 J	2.6 U	2.6 J	7
Nitrobenzene	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
N-Nitroso-di-n-propylamine	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
N-Nitrosodiphenylamine	ug/kg	66 U	65 U	65 U	65 U	66 U	66 U	67 U
Pentachlorophenol	ug/kg	130 U	130 U	130 U	130 U	130 U	130 U	130 U
Perylene	ug/kg	7.1	6.3 J	15	11	6.2 J	5.4 J	12
Phenanthrene	ug/kg	4.3 J	4.4 J	33	11	4.2 J	4.5 J	8.5
Phenol	ug/kg	66 U	65 U	65 U	65 U	75 J	66 U	67 U
Pyrene	ug/kg	45	42	120	69	49	46	83
Pyridine	ug/kg	260 U	260 U	260 U	260 U	260 U	260 U	270 U
Total HMW PAHs	ppb	220 J	200 J	580 J	350 J	210 J	190 J	380 J
Total LMW PAHs	ppb	9.6 J	35 J	81 J	31 J	15 J	13 J	41 J
TOTAL PAHs	ppb	230 J	230 J	660 J	380 J	230 J	200 J	420 J
Physical Properties[1]								
Percent Moisture	%	81.5	81.9	81.4	81.5	78.8	80	79.9
Water Content ASTM D2216	%	439	452	438	440	372	399	397

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
Dioxins/Furans					
1,2,3,4,6,7,8-HpCDD	ng/kg	2.33 JB	5.14 B	8.31 B	2.7 JB
1,2,3,4,6,7,8-HpCDF	ng/kg	2.95 JB	9.48 B	3.9 JB	1.26 JB
1,2,3,4,7,8,9-HpCDF	ng/kg	0.195 JBQ	0.313 JB	0.26 JBQ	0.12 JB
1,2,3,4,7,8-HxCDD	ng/kg	0.0919 J	0.779 JQ	0.572 JQ	0.411 JQ
1,2,3,4,7,8-HxCDF	ng/kg	0.887 JB	2.67 JB	0.53 JB	0.344 JB
1,2,3,6,7,8-HxCDD	ng/kg	0.224 JB	0.425 J	0.5 J	0.271 J
1,2,3,6,7,8-HxCDF	ng/kg	0.258 JB	0.713 JB	0.308 JB	0.201 JB
1,2,3,7,8,9-HxCDD	ng/kg	0.138 JB	0.408 JQ	0.513 JQ	0.177 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.136 JB	0.243 JB	0.198 JB	0.169 JB
1,2,3,7,8-PeCDD	ng/kg	0.108 JQ	0.333 JBQ	0.223 JBQ	0.254 JBQ
1,2,3,7,8-PeCDF	ng/kg	0.331 JB	1.24 JBQ	0.701 JBQ	1.16 JBQ
2,3,4,6,7,8-HxCDF	ng/kg	0.211 JB	0.46 JB	0.355 JB	0.215 JB
2,3,4,7,8-PeCDF	ng/kg	0.565 JB	1.42 J	0.718 J	0.92 J
2,3,7,8-TCDD	ng/kg	3.63	13.4	1.69	2.6
2,3,7,8-TCDF	ng/kg	1.03 BC	2.72 C	1.36 C	2.86 C
OCDD	ng/kg	16.8 B	44.2 B	80.8 B	20.3 B
OCDF	ng/kg	4.86 JB	12.9 B	6.12 JB	1.96 JB
Percent Lipid	%	0.48	0.29	0.3	0.39
Metals					
Aluminum	mg/kg	422	455 J-	487 J-	197 J-
Antimony	mg/kg	0.0977 B	0.379	1.07	0.172 B
Arsenic	mg/kg	3.73	8.67	12.4	1.59
Barium	mg/kg	9.48	14.5	27.5	3.94
Beryllium	mg/kg	0.0337 B	0.04 B	0.288	0.0149 B
Cadmium	mg/kg	0.138	0.243	0.286	0.142
Calcium	mg/kg	2,290	2,270	2,130	1,590
Chromium	mg/kg	5.18	4.16	5.11	1.18
Cobalt	mg/kg	0.613	0.49	1.56	0.23
Copper	mg/kg	7.77	11.1	30.2	9.36
Iron	mg/kg	2,650	4,750	9,970	1,080
Lead	mg/kg	12.7	20.8	94.8	4.79
Magnesium	mg/kg	910	779 J-	903 J-	646 J-
Manganese	mg/kg	60.3	41.3	83.6	13.8
Mercury	ng/g	70.5	391	95.6	62.3
Methyl Mercury	ng/g	37.8 J	37	14.7	15.1
Nickel	mg/kg	2.91	1.88	4.99	1.03
Potassium	mg/kg	2,420	2,080 J-	2,320 J-	2,380 J-
Selenium	mg/kg	0.891	0.921	0.928	0.797
Silver	mg/kg	0.445	0.312	0.142	0.194
Sodium	mg/kg	4,060	2,970 J-	3,110 J-	2,950 J-
Thallium	mg/kg	0.0291 U	0.0288 U	0.0294 U	0.0286 U
Titanium	mg/kg	10	15	15.6	8.84
Vanadium	mg/kg	2.35	2.27	4.29	0.865
Zinc	mg/kg	26.9	30.7	140	24
Butyltins					
Dibutyltin	ug/kg	1.3 U	1.3 U	1.3 U	1.3 U
Monobutyltin	ug/kg	21 UCN	21 UCN	20 UCN	20 UCN

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
Tetrabutyltin	ug/kg	1.7 U	1.7 U	1.7 U	1.7 U
Tributyltin	ug/kg	6	6.4 P	7.7 P	9.7
PCB Congeners					
PCB-1	ng/kg	27.1	36.8	38.7	141
PCB-2	ng/kg	5.1	6.06	0.687 U	0.676 U
PCB-3	ng/kg	7.28	12.2	19.8	71.5
PCB-4	ng/kg	136	192	159	3,810 E
PCB-5	ng/kg	1.09 J	0.777 U	0.785 U	5.4
PCB-6	ng/kg	35.2	60.3	46.6	2,180 E
PCB-7	ng/kg	3.07	0.777 U	0.785 U	29.1
PCB-8	ng/kg	92.8 B	144 B	128 B	1,320 BE
PCB-9	ng/kg	4.96	0.68 U	9.31	49.7
PCB-10	ng/kg	13.5	18.4	11.8	79.6
PCB-11	ng/kg	258 B	361 BE	306 BE	536 BE
PCB-12/13	ng/kg	40.1	60.9	52.2	812 E
PCB-14	ng/kg	0.778 U	0.777 U	0.785 U	0.773 U
PCB-15	ng/kg	196	295 E	238	1,680 E
PCB-16	ng/kg	184 B	364 BE	234 B	1,040 BE
PCB-17	ng/kg	294 BE	597 BE	337 BE	3,360 BE
PCB-18/30	ng/kg	477 B	908 E	562	4,970 E
PCB-19	ng/kg	105	176	113	2,090 E
PCB-20/28	ng/kg	1,530 BE	3,020 BE	2,000 BE	19,800 BE
PCB-21/33	ng/kg	272	550	338	2,110 E
PCB-22	ng/kg	368 E	712 E	467 E	4,030 E
PCB-23	ng/kg	0.681 U	0.68 U	0.687 U	3.87
PCB-24	ng/kg	7.23	0.971 U	0.981 U	0.966 U
PCB-25	ng/kg	152	326 E	202	4,800 E
PCB-26/29	ng/kg	290	545	391	6,750 E
PCB-27	ng/kg	111	176	128	1,790 E
PCB-31	ng/kg	1,120 BE	2,110 BE	1,230 BE	10,800 BE
PCB-32	ng/kg	290	541 E	360 E	4,560 E
PCB-34	ng/kg	6.52	14.7	8.8	147
PCB-35	ng/kg	37.2	56.5	38	272
PCB-36	ng/kg	4.83	9.49	0.785 U	0.773 U
PCB-37	ng/kg	295 E	547 E	386 E	3,480 E
PCB-38	ng/kg	2.57	2.14	1.36 J	26.5
PCB-39	ng/kg	14.1	21.9	11	108
PCB-40/71	ng/kg	739	1,640 E	885	9,790 E
PCB-41	ng/kg	70.4	154	82.4	981 E
PCB-42	ng/kg	485	1,160 E	630 E	6,240 E
PCB-43	ng/kg	62	168	83	784 E
PCB-44/47/65	ng/kg	1,670 B	4,020 E	2,250 E	21,000 E
PCB-45	ng/kg	133	290	214	2,080 E
PCB-46	ng/kg	68.4	162	94.2	918 E
PCB-48	ng/kg	266	558	295	2,620 E
PCB-49/69	ng/kg	1,110	2,650 E	1,380 E	14,300 E
PCB-50/53	ng/kg	204	554	337	3,380 E
PCB-51	ng/kg	164	458	213	1,190 E
PCB-52	ng/kg	1,770 BE	4,240 BE	2,610 BE	22,400 BE

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
PCB-54	ng/kg	19	43.7	23.7	104
PCB-55	ng/kg	13.1	21.7	10.7	241
PCB-56	ng/kg	774 E	1,620 E	910 E	15,300 E
PCB-57	ng/kg	11.1	24.1	69.7	126
PCB-58	ng/kg	14.8	29.3	10.4	122
PCB-60	ng/kg	251	506	329	6,600 E
PCB-61/70/74/76	ng/kg	2,410 E	5,100 E	2,790 E	41,300 E
PCB-62/75	ng/kg	209	420	232	2,510 E
PCB-63	ng/kg	65.6	143	69.6	1,110 E
PCB-64	ng/kg	683 E	1,620 E	862 E	11,000 E
PCB-66	ng/kg	1,780 BE	3,510 E	1,960 E	37,300 E
PCB-67	ng/kg	52	125	57.4	949 E
PCB-68	ng/kg	22.3	54.1	27.2	191
PCB-72	ng/kg	35.1	85	43.8	327
PCB-73	ng/kg	7.05	1.36 U	1.37 U	48.1
PCB-77	ng/kg	138	R	R	R
PCB-78	ng/kg	1.56 U	1.55 U	1.57 U	1.55 U
PCB-79	ng/kg	16.8	33.1	29.7	184
PCB-80	ng/kg	1.07 U	1.07 U	1.08 U	1.06 U
PCB-81	ng/kg	4.53 J	9.17	4.07 J	119
PCB-82	ng/kg	175	378	241	2,790 E
PCB-83	ng/kg	120	276	176	1,100 E
PCB-84	ng/kg	307	622 E	397	3,110 E
PCB-85/116/117	ng/kg	280	663	420	4,360 E
PCB-86/87/97/109/119/125	ng/kg	809	1,880	1,290	9,480 E
PCB-88	ng/kg	2.14 U	2.14 U	2.16 U	2.13 U
PCB-89	ng/kg	19.3	40.6	22.7	321
PCB-90/101/113	ng/kg	1,350	3,830 E	2,250 E	10,700 E
PCB-91	ng/kg	262	575	369	2,690 E
PCB-92	ng/kg	388	1,130 E	624 E	3,110 E
PCB-93/100	ng/kg	80.8	216	105	311
PCB-94	ng/kg	24.1	54.3	29.8	161
PCB-95	ng/kg	1,070 E	2,770 E	1,910 E	10,100 E
PCB-96	ng/kg	13.2	29.2	16.3	148
PCB-98/102	ng/kg	78.5	188	95.8	874
PCB-99	ng/kg	2.82 U	2,070 E	1,350 E	7,980 E
PCB-103	ng/kg	30.4	94	45.2	143
PCB-104	ng/kg	8.88	23.3	10.1	14.9
PCB-105	ng/kg	461	1,040 E	812 E	7,710 E
PCB-106	ng/kg	1.65 U	1.65 U	1.67 U	1.64 U
PCB-107	ng/kg	103	267	208	1,450 E
PCB-108/124	ng/kg	60.3	145	113	836
PCB-110/115	ng/kg	1,710 E	3,950 E	2,690 E	16,300 E
PCB-111	ng/kg	3.05 J	8.76	1.37 U	10.6
PCB-112	ng/kg	3.15 J	1.36 U	1.37 U	1.35 U
PCB-114	ng/kg	31.7	67.7	55.7	610 E
PCB-118	ng/kg	2.92 U	2,830 E	2,320 E	16,600 E
PCB-120	ng/kg	9.01	25.8	15.8	46.4
PCB-121	ng/kg	1.7 J	4.01 J	2.51 J	4.72 J

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
PCB-122	ng/kg	24.9	55.4	41	464
PCB-123	ng/kg	35.4	71.4	45.8	599 E
PCB-126	ng/kg	3.43 J	8.07	10.6	57.5
PCB-127	ng/kg	1.36 U	R	R	R
PCB-128/166	ng/kg	197	469	450	1,260 E
PCB-129/138/163	ng/kg	6.13 U	4,950 E	3,740 E	7,160 E
PCB-130	ng/kg	122	359	287	736 E
PCB-131	ng/kg	13.9	42.5	35.3	115
PCB-132	ng/kg	382	1,350 E	1,070 E	2,250 E
PCB-133	ng/kg	47.7	193	117	191
PCB-134	ng/kg	106	324	214	566
PCB-135/151	ng/kg	712	3,160 E	1,640 E	2,430 E
PCB-136	ng/kg	173	657 E	382	591 E
PCB-137	ng/kg	71.6	178	192	637 E
PCB-139/140	ng/kg	26.6	83.1	59.3	172
PCB-141	ng/kg	1.65 U	889 E	415	775 E
PCB-142	ng/kg	1.65 U	1.65 U	1.67 U	3.22 J
PCB-143	ng/kg	3.21 U	3.2 U	3.24 U	3.19 U
PCB-144	ng/kg	61.9	279	148	266
PCB-145	ng/kg	1.56 U	1.88 J	1.57 U	4.82 J
PCB-146	ng/kg	336	1,400 E	913 E	1,440 E
PCB-147/149	ng/kg	1,160	5,300 E	3,440 E	5,360 E
PCB-148	ng/kg	10.1	31	20.2	24.1
PCB-150	ng/kg	7.76	23.5	17.8	20.6
PCB-152	ng/kg	3.19 J	6.57	5.62	10.9
PCB-153/168	ng/kg	2.92 U	6,150 E	4,060 E	5,930 E
PCB-154	ng/kg	43.1	164	111	130
PCB-155	ng/kg	24.1	64.2	20.7	35.1
PCB-156/157	ng/kg	2.24 U	342	292	888
PCB-158	ng/kg	1.56 U	429	330	761 E
PCB-159	ng/kg	1.36 U	1.36 U	1.37 U	1.35 U
PCB-160	ng/kg	6.13 U	6.12 U	6.18 U	6.09 U
PCB-161	ng/kg	1.26 U	1.26 U	1.28 U	1.26 U
PCB-162	ng/kg	1.26 U	94.8	43.8	70
PCB-164	ng/kg	119	423	312	605 E
PCB-165	ng/kg	2.48 J	5.39	1.28 U	7.8
PCB-167	ng/kg	46.6	156	144	331
PCB-169	ng/kg	1.46 U	R	1.47 U	1.45 U
PCB-170	ng/kg	1.26 U	2,230 E	549	636 E
PCB-171/173	ng/kg	R	1,100	405	347
PCB-172	ng/kg	1.26 U	618 E	137	131
PCB-174	ng/kg	1.46 U	4,620 E	952 E	767 E
PCB-175	ng/kg	25.5	225	84.9	79.7
PCB-176	ng/kg	51.2	586 E	175	159
PCB-177	ng/kg	302	3,260 E	1,180 E	1,010 E
PCB-178	ng/kg	221	1,420 E	571	522
PCB-179	ng/kg	206	2,340 E	695 E	591 E
PCB-180/193	ng/kg	2.92 U	9,330 E	2,100 E	2,340 E
PCB-181	ng/kg	2.57 J	11.1	8.09	15.1

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
PCB-182	ng/kg	3.24 J	25.1	6.32	9.58
PCB-183/185	ng/kg	2.72 U	3,760 E	1,090	917
PCB-184	ng/kg	2.26 J	5.75	3.05 J	4.63 J
PCB-186	ng/kg	1.46 U	1.46 U	1.47 U	1.45 U
PCB-187	ng/kg	779 E	7,950 E	2,450 E	2,250 E
PCB-188	ng/kg	4.93	12.7	11.9	10.7
PCB-189	ng/kg	5.75	59.8	24.3	28
PCB-190	ng/kg	1.36 U	345	92	137
PCB-191	ng/kg	13	166	55.7	58
PCB-192	ng/kg	1.26 U	1.26 U	1.28 U	1.26 U
PCB-194	ng/kg	1.75 U	2,210 E	151	121
PCB-195	ng/kg	16.6	1,130 E	81.6	77.3
PCB-196	ng/kg	64.1	1,290 E	196	221
PCB-197/200	ng/kg	R	738	63.5	54.3
PCB-198/199	ng/kg	225	3,260 E	411	612
PCB-201	ng/kg	42.7	628	110	121
PCB-202	ng/kg	134	1,070 E	245	278
PCB-203	ng/kg	64.2	1,730 E	157	188
PCB-204	ng/kg	2.04 U	2.04 U	2.06 U	2.03 U
PCB-205	ng/kg	3.27 J	144	12.8	13.6
PCB-206	ng/kg	34.1	930 E	120	90.4
PCB-207	ng/kg	3.82 J	150	14.2	10
PCB-208	ng/kg	13.5	239	40.9	34.6
PCB-209	ng/kg	1.56 U	103	105	1.55 U
Total PCB Congeners (209)	ng/kg	33,000 J	144,000 J	70,700 J	431,000 J
Aroclor PCBs					
Aroclor-1016	ug/kg	7.2 U	7.2 U	7.1 U	7.2 U
Aroclor-1221	ug/kg	9.1 U	9.1 U	9.1 U	9.2 U
Aroclor-1232	ug/kg	16 U	16 U	16 U	16 U
Aroclor-1242	ug/kg	6.6 U	6.6 U	6.5 U	6.6 U
Aroclor-1248	ug/kg	41 PJ	22 J	24 J	210
Aroclor-1254	ug/kg	6.6 U	25 JP	27 JP	110
Aroclor-1260	ug/kg	9.7 U	9.7 U	9.7 U	9.8 U
Aroclor-1262	ug/kg	6.6 U	6.6 U	6.5 U	6.6 U
Aroclor-1268	ug/kg	6.6 U	6.6 U	6.5 U	6.6 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	41 PJ	47 PJ	51 PJ	320
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	41 PJ	47 PJ	51 PJ	320
Pesticides					
2,4'-DDD	pg/g	540 DJ	1,170	5,840	4,680
2,4'-DDE	pg/g	837 DJ	1,130 B	2,550 B	5,020 B
2,4'-DDT	pg/g	10.8 UD	26.1 J	124	49.8
4,4'-DDD	pg/g	1,130 DJ	2,740	12,600	9,530
4,4'-DDE	pg/g	3,300 BDJ	5,280 B	10,300 B	14,400 B
4,4'-DDT	pg/g	55.3 JD	174 J	532	202
Aldrin	pg/g	9.16 UD	17.5 J	9.16 U	9.16 U
Alpha-BHC	pg/g	6.4 UD	9.06 J	7.03 J	6.4 U
Alpha-Chlordane	pg/g	665 DJ	1,680	839	1,120
Beta-BHC	pg/g	11.1 UD	11.1 U	20 J	11.1 U
cis-Nonachlor	pg/g	215 DJ	502	249	356

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
Delta-BHC	pg/g	5.08 UD	5.08 U	5.08 U	5.08 U
Dieldrin	pg/g	342 DJ	612	466	534
Endosulfan I	pg/g	57.4 UD	57.4 U	57.4 U	57.4 U
Endosulfan II	pg/g	58.3 UD	58.3 U	58.3 U	58.3 U
Endosulfan Sulfate	pg/g	63.3 UD	63.3 U	63.3 U	63.3 U
Endrin	pg/g	13.9 UD	13.9 U	13.9 U	13.9 U
Endrin Aldehyde	pg/g	131 UD	R	R	R
Endrin Ketone	pg/g	76 UD	R	76 U	76 U
Gamma-BHC (Lindane)	pg/g	7.69 UD	7.41 J	7.69 U	7.69 U
Heptachlor	pg/g	32.5 UD	32.5 U	32.5 U	32.5 U
Heptachlor Epoxide	pg/g	51.6 JD	103	62.3	74.9
Hexachlorobenzene	pg/g	120 JBD	270 B	193 B	209 B
Methoxychlor	pg/g	38.9 UD	R	38.9 U	38.9 UJ
Mirex	pg/g	9.33 UD	43.9 J	R	9.33 U
Nonachlor, trans-	pg/g	379 DJ	945	477	636
Oxychlordane	pg/g	10 UD	54.7	10 U	46.2
trans-Chlordane	pg/g	471 DJ	1,020	639	850
trans-Heptachlor Epoxide	pg/g	17 UD	17 U	17 U	17 U
Total Alpha + Gamma Chlordane	ppb	1.1 DJ	2.7	1.5	2
Total DDT (2,4)	ppb	1.4 DJ	2.3 BJ	8.5 B	9.7 B
Total DDT (4,4)	ppb	4.5 BDJ	8.2 BJ	23 B	24 B
Total DDT (2,4 & 4,4)	ppb	5.9 BDJ	11 BJ	32 B	34 B
Semivolatiles					
1,2,4,5-Tetrachlorobenzene	ug/kg	66 U	66 U	66 U	66 U
1,2-Diphenylhydrazine	ug/kg	66 U	66 U	66 U	66 U
1-Methylnaphthalene	ug/kg	2.6 U	2.6 U	2.9 J	3.1 J
2,2'-oxybis(1-Chloropropane)	ug/kg	66 U	66 U	66 U	66 U
2,3,4,6-Tetrachlorophenol	ug/kg	260 U	260 U	260 U	260 U
2,4,5-Trichlorophenol	ug/kg	66 U	66 U	66 U	66 U
2,4,6-Trichlorophenol	ug/kg	66 U	66 U	66 U	66 U
2,4-Dichlorophenol	ug/kg	66 U	66 U	66 U	66 U
2,4-Dimethylphenol	ug/kg	66 U	66 U	66 U	66 U
2,4-Dinitrophenol	ug/kg	1,200 U	1,200 U	1,200 U	1,200 U
2,4-Dinitrotoluene	ug/kg	260 U	260 U	260 U	260 U
2,6-Dinitrotoluene	ug/kg	66 U	66 U	66 U	66 U
2-Chloronaphthalene	ug/kg	28 U	28 U	28 U	28 U
2-Chlorophenol	ug/kg	66 U	66 U	66 U	66 U
2-Methylnaphthalene	ug/kg	2.6 U	4.4 J	6.1 J	3.9 J
2-Methylphenol	ug/kg	66 U	150	110 J	66 U
2-Nitroaniline	ug/kg	66 U	66 U	66 U	66 U
2-Nitrophenol	ug/kg	66 U	66 U	66 U	66 U
3,3'-Dichlorobenzidine	ug/kg	400 U	400 U	400 U	390 U
3-Nitroaniline	ug/kg	260 U	260 U	260 U	260 U
4,6-Dinitro-2-methylphenol	ug/kg	660 U	660 U	660 U	660 U
4-Bromophenyl phenyl ether	ug/kg	66 U	66 U	66 U	66 U
4-Chloro-3-Methylphenol	ug/kg	66 U	66 U	66 U	66 U
4-Chloroaniline	ug/kg	130 U	130 U	130 U	130 U
4-Chlorophenyl phenyl ether	ug/kg	66 U	66 U	66 U	66 U
4-Methylphenol	ug/kg	66 U	66 U	66 U	66 U

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
4-Nitroaniline	ug/kg	260 U	260 U	260 U	260 U
4-Nitrophenol	ug/kg	660 U	660 U	660 U	660 U
Acenaphthene	ug/kg	2.6 U	6.3 J	7.3	7.1
Acenaphthylene	ug/kg	2.6 U	7.2	6.7	2.9 J
Acetophenone	ug/kg	66 U	230	180	94 J
Anthracene	ug/kg	6.4 J	11	73	11
Atrazine	ug/kg	130 U	130 U	130 U	130 U
Benzaldehyde	ug/kg	720	1,800	1,300	1,400
Benzidine	ug/kg	2,800 U	2,800 UJ	2,800 UJ	2,800 UJ
Benzo(a)anthracene	ug/kg	20	46	47	40
Benzo(a)pyrene	ug/kg	18	43	48	33
Benzo(b)fluoranthene	ug/kg	23	46	48	38
Benzo(e)pyrene	ug/kg	31	61	49	42
Benzo(g,h,i)perylene	ug/kg	22	45	47	28
Benzo(j,k)fluoranthene	ug/kg	24	47	42	33
Benzoic Acid	ug/kg	660 U	3,000 J	2,200 J	2,700 J
Biphenyl	ug/kg	66 U	66 U	66 U	66 U
bis(2-Chloroethoxy)methane	ug/kg	66 U	66 U	66 U	66 U
bis(2-Chloroethyl)ether	ug/kg	66 U	66 U	66 U	66 U
bis(2-Ethylhexyl)phthalate	ug/kg	260 U	260 U	260 U	260 U
Butyl benzyl phthalate	ug/kg	260 U	260 U	260 U	260 U
C1-Chrysenes	ug/kg	42	64	47	48
C1-Fluoranthenes/Pyrenes	ug/kg	65	110	88	78
C1-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U
C1-Naphthalenes	ug/kg	2.7 J	6.5	6.9	7.5
C1-Phenanthrenes/Anthracenes	ug/kg	2.6 U	2.6 U	33	31
C2-Chrysenes	ug/kg	27	2.6 U	39	2.6 U
C2-Fluoranthenes/Pyrenes	ug/kg	41	59	56	51
C2-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U
C2-Naphthalenes	ug/kg	2.6 U	8	8.7	12
C2-Phenanthrene/anthracenes	ug/kg	2.6 U	43	42	41
C3-Chrysenes	ug/kg	2.6 U	19	27	19
C3-Fluoranthenes/Pyrenes	ug/kg	2.6 U	42	49	45
C3-Fluorenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U
C3-Naphthalene	ug/kg	2.6 U	2.6 U	12	17
C3-Phenanthrene/anthracenes	ug/kg	2.6 U	60	2.6 U	50
C4-Chrysenes	ug/kg	2.6 U	2.6 U	2.6 U	2.6 U
C4-Naphthalene	ug/kg	2.6 U	2.6 U	17	19
C4-Phenanthrenes/anthracenes	ug/kg	2.6 U	4.2 J	2.6 U	4.6 J
Caprolactam	ug/kg	130 U	130 U	130 U	130 U
Carbazole	ug/kg	66 U	66 U	66 U	66 U
Chrysene	ug/kg	29	62	51	49
Dibenzo(a,h)anthracene	ug/kg	3.5 J	9	9.7	6.6
Dibenzofuran	ug/kg	66 U	66 U	66 U	66 U
Diethyl phthalate	ug/kg	260 U	260 U	260 U	260 U
Dimethylphthalate	ug/kg	260 U	260 U	260 U	260 U
Di-n-Butylphthalate	ug/kg	260 U	260 U	260 U	260 U
Di-n-Octylphthalate	ug/kg	260 U	260 U	260 U	260 U
Fluoranthene	ug/kg	33	69	100	77

Table B-4
Softshell Clam Tissue Analytical Results

Location ID: Date Homogenized: Sample Name:	Units	NB03SED132BCL 08/19/15 NB03CLM132B	NB03SED133CL 08/25/15 NB03CLM133	NB03SED134CL 08/25/15 NB03CLM134	NB03SED135CL 08/25/15 NB03CLM135
Fluorene	ug/kg	2.6 U	2.6 U	11	5.3 J
Hexachlorobutadiene	ug/kg	66 U	66 U	66 U	66 U
Hexachlorocyclopentadiene	ug/kg	660 U	660 U	660 U	660 U
Hexachloroethane	ug/kg	130 U	130 U	130 U	130 U
Indeno(1,2,3-cd)pyrene	ug/kg	2.6 UJ	36 J	46 J	27 J
Isophorone	ug/kg	66 U	66 U	66 U	66 U
Naphthalene	ug/kg	2.6 J	12	9.1	3.8 J
Nitrobenzene	ug/kg	66 U	66 U	66 U	66 U
N-Nitroso-di-n-propylamine	ug/kg	66 U	66 U	66 U	66 U
N-Nitrosodiphenylamine	ug/kg	66 U	66 U	66 U	66 U
Pentachlorophenol	ug/kg	130 U	130 U	130 U	130 U
Perylene	ug/kg	8.6	16	16	9.9
Phenanthrene	ug/kg	4.4 J	18	58	50
Phenol	ug/kg	66 U	66 U	66 U	66 U
Pyrene	ug/kg	45	93	110	95
Pyridine	ug/kg	260 U	260 U	260 U	260 U
Total HMW PAHs	ppb	220 J	500 J	550 J	430 J
Total LMW PAHs	ppb	13 J	59 J	170 J	84 J
TOTAL PAHs	ppb	230 J	550 J	720 J	510 J
Physical Properties[1]					
Percent Moisture	%	81.7	81	80.8	82.2
Water Content ASTM D2216	%	445	426	421	462

Table B-4
Softshell Clam Tissue Analytical Results

Footnote:
[1]"Percent Moisture" was analyzed using USEPA Method 160.3 and "Water Content ASTM D2216" was analyzed using ASTM D-2216. "Percent Moisture" determined by USEPA Method 160.3 is calculated as the weight of the dry tissue divided by the weight of the wet tissue; the maximum percent moisture is 100%. "Water Content ASTM D2216" analyzed using ASTM D-2216 is calculated as the weight of the water divided by the weight of the dry tissue, which can result in moisture contents greater than 100%.

Notes:

1. Totals were calculated using detected values only. If all analytes that make up a given total are nondetect, the total will be reported as the highest detection limit of the individual analytes and will be qualified with a "U" flag to indicate it is a non-detect.
2. Total PCB Congeners (209) = sum of 209 individual congener PCBs
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268
5. Total Alpha + Gamma Chlordane = sum of alpha-Chlordane and gamma-Chlordane
6. Total DDT (2,4) = sum of 2,4'-DDD, 2,4'-DDE, and 2,4'-DDT
7. Total DDT (4,4) = sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
8. Total DDT (2,4 & 4,4) = sum of 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
9. Total HMW PAHs = sum of fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene.
10. Total LMW PAHs = sum of naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene.
11. Total PAHs = sum of Total LMW PAHs and Total HMW PAHs.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
Dioxins/Furans								
1,2,3,4,6,7,8-HpCDD	ng/kg	52.8 JB	29.6 JB	44.8 JB	58.9	24.8	33.1 B	24.3 B
1,2,3,4,6,7,8-HpCDF	ng/kg	212 JB	75.3 JB	101 JB	59 B	22.6 B	21 B	140 B
1,2,3,4,7,8,9-HpCDF	ng/kg	5.78 JB	2.41 JB	3.29 JB	2.26 JB	0.937 JB	1.98 JB	2.66 JB
1,2,3,4,7,8-HxCDD	ng/kg	1.32 J	0.844 J	0.829 J	1.17 JB	0.554 JB	0.567 JQ	0.864 J
1,2,3,4,7,8-HxCDF	ng/kg	59.4 JBC	20.8 JBC	28 JBC	14.6 JB	5.83 B	R	R
1,2,3,6,7,8-HxCDD	ng/kg	3.85 JB	2.25 JB	2.95 JB	3.62 JBQ	1.51 JB	1.8 J	1.93 JQ
1,2,3,6,7,8-HxCDF	ng/kg	14.3 C	5.89 JB	7.08 JB	4.29 J	1.92 J	1.84 JB	9.1 BC
1,2,3,7,8,9-HxCDD	ng/kg	2.64 JB	1.59 JB	1.96 JB	2.37 JB	1.03 JBQ	1.01 JB	1.11 JB
1,2,3,7,8,9-HxCDF	ng/kg	2.28 JB	0.105 UJ	1.17 JBQ	0.883 JB	0.531 JB	0.0623 U	0.0996 U
1,2,3,7,8-PeCDD	ng/kg	1.64 JB	0.876 JB	1.03 JB	0.985 J	0.576 J	0.509 JQ	0.788 J
1,2,3,7,8-PeCDF	ng/kg	5.82 JB	2.3 JB	3.1 JB	2.24 JB	0.936 JB	2.11 J	2.76 J
2,3,4,6,7,8-HxCDF	ng/kg	5.84 C	3.24 JB	4.06 JB	3.45 JB	1.41 JB	1.52 JBQ	4.21 JB
2,3,4,7,8-PeCDF	ng/kg	11.6 BC	4.83 J	5.92 J	4.62 JBQ	2.32 JB	2.65 JB	5.86 BC
2,3,7,8-TCDD	ng/kg	31.7 JB	12.3 JB	17.8 JB	13.3 B	6.11 QBJ	3.79	5.43
2,3,7,8-TCDF	ng/kg	5.23 C	2.65 JCQ	4.47 C	4.03 C	1.33 JQ	4.16 C	1.8 CQJ
OCDD	ng/kg	637 JB	379 JB	611 JB	560 B	335 B	652 B	600 B
OCDF	ng/kg	274 JB	99.9 JB	130 JB	81.2 B	33.2 B	57.2 B	183 B
Herbicides								
2,4,5-T	ug/kg	1.1 UJ	1.1 UJ	1.2 UJ	1.1 U	1.1 U	1 U	3.4 J
2,4,5-TP (Silvex)	ug/kg	1 UJ	1 UJ	1.1 UJ	0.97 U	0.97 U	0.91 U	0.94 U
2,4-D	ug/kg	17 UJ	16 UJ	17 UJ	16 U	16 U	25 J	23 J
2,4-DB	ug/kg	8.7 UJ	8.3 UJ	8.8 UJ	8 U	8 U	49	47
Metals								
Aluminum	mg/kg	8,920	7,200	7,270	4,990	7,840	5,530	5,930
Antimony	mg/kg	0.293	0.225 B	0.242 B	0.188 B	0.278	0.275	0.455
Arsenic	mg/kg	14.4	10	9.33	4.53	7.62	8.02	7.31
Barium	mg/kg	62.6	50.4	77.5	51.6	65.1	182	102
Beryllium	mg/kg	0.486	0.389	0.36	0.284	0.453	0.305	0.406
Cadmium	mg/kg	0.836	0.401	0.534	0.384	0.627	0.234	0.26
Calcium	mg/kg	2,330	1,820	2,370	1,610	4,460	50,900	3,370
Chromium	mg/kg	73.4	37.3	51.6	38.6	73.8	165	30.2
Cobalt	mg/kg	6.43	5.44	4.72	4.04	6.46	5.59	7.14
Copper	mg/kg	87.6	46.1	57.7	62.9	163	36.8	44.6
Hexavalent Chromium	mg/kg	R	0.67 UJ	0.71 UJ	0.65 U	0.65 U	0.61 U	8
Iron	mg/kg	16,400	12,900	12,800	12,300	18,200	15,900	21,500
Lead	mg/kg	74.2	41.2	60.7	115	76.3	64.7	105
Magnesium	mg/kg	3,720	3,410	3,050	2,520	4,220	27,800	3,280
Manganese	mg/kg	200	160	149	96.6	260	424	160
Mercury	ng/g	523	676	778	334	414	1,790	171
Methyl Mercury	ng/g	0.139	0.11	0.371	0.239	0.194	0.204	0.153
Nickel	mg/kg	22.7	15.7	16.4	12.4	55.4	15.7	20.6
Potassium	mg/kg	2,130	1,630	1,520	1,120	2,020	1,100	1,420
Selenium	mg/kg	0.52 B	0.396 B	0.542	0.175 B	0.385 B	0.219 B	0.579
Silver	mg/kg	0.904	0.334	0.692	1.34	0.345	0.241	0.207
Sodium	mg/kg	3,590	3,400	2,950	2,590	3,050	2,250	2,960
Thallium	mg/kg	0.232	0.123 B	0.151	0.0877 B	0.14	0.0651 B	0.113 B

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
Titanium	mg/kg	342	275	270	231	276	279	302
Vanadium	mg/kg	23.2	17.6	17.3	13.8	20.9	27.1	21.1
Zinc	mg/kg	190	144	250	187	205	110	141
TEPH Alkanes								
2,6,10,14-Tetramethyl Pentadecane	mg/kg	0.0475 UJ	0.0455 UJ	0.121 UJ	0.22 U	0.044 U	0.0416 U	0.0427 U
2,6,10,14-Tetramethylhexadecane	mg/kg	0.0923 J	0.0471 J	0.148 J	0.142 U	0.0353 J	0.0269 U	0.0362 J
Dotriacontane	mg/kg	0.596 J	0.292 J	0.632 J	0.263 J	0.176	0.128	0.133
Heneicosane	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.263 J	0.0285 U	0.0269 U	0.0276 U
Heptacosane	mg/kg	0.122 J	0.0926 J	0.227 UJ	0.414 U	0.0828 U	0.0783 U	0.0803 U
Heptadecane	mg/kg	0.0833 J	0.0848 J	0.25 J	0.233 U	0.104	0.0441 U	0.0452 U
Heptatriacontane, -n	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.142 UJ	0.0285 UJ	0.0269 U	0.0673 J
Hexatriacontane	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.947 J	0.0285 UJ	0.143	0.0276 UJ
Hhentriacontane	mg/kg	0.549 J	0.426 J	0.753 J	0.711	0.298	0.0397 U	0.0407 U
n-Decane	mg/kg	0.0413 UJ	0.0396 UJ	0.105 UJ	0.191 U	0.0383 U	0.0362 U	0.0371 U
n-Docosane	mg/kg	0.561 J	0.312 J	0.782 J	0.142 U	0.0285 U	0.194	0.406
n-Dodecane	mg/kg	0.0307 UJ	0.0295 UJ	0.0982 J	0.142 U	0.039 J	0.0269 U	0.0276 U
n-Eicosane	mg/kg	0.0335 UJ	0.0321 UJ	0.0851 UJ	0.155 U	0.031 U	0.0294 U	0.0303 J
n-Hexacosane	mg/kg	0.0531 UJ	0.0509 UJ	0.135 UJ	0.246 U	0.0492 U	0.0465 U	0.0477 U
n-Hexadecane	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.142 U	0.0285 U	0.0269 U	0.068 J
n-Nonane	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.142 UJ	0.0285 UJ	0.0269 U	0.0276 UJ
n-Octacosane	mg/kg	0.773 J	0.509 J	1.2 J	0.142 U	0.427	0.745	0.94
n-Octadecane	mg/kg	0.0552 J	0.0402 UJ	0.106 UJ	0.194 U	0.0388 U	0.0373 J	0.0406 J
Nonacosane	mg/kg	0.296 J	0.448 J	0.435 J	0.725	0.156	0.0379 J	0.0276 U
Nonadecane	mg/kg	0.0447 UJ	0.0428 UJ	0.113 UJ	0.377 J	0.0414 U	0.084	0.141
Nonatriacontane	mg/kg	0.0559 UJ	0.0578 J	0.142 UJ	0.259 UJ	0.0517 UJ	0.049 U	0.104 J
n-Tetracosane	mg/kg	0.13 J	0.0527 J	0.151 J	0.142 U	0.0285 U	0.296	0.0276 U
n-Tetradecane	mg/kg	0.0391 UJ	0.0375 UJ	0.0993 UJ	0.181 U	0.0362 U	0.0343 U	0.0351 U
n-Triacontane	mg/kg	0.0564 UJ	0.0541 UJ	0.143 UJ	0.504 J	0.0523 U	0.0494 U	0.0507 U
n-Tridecane	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.142 U	0.0285 U	0.0269 U	0.0479 J
n-Undecane	mg/kg	0.0564 UJ	0.0541 UJ	0.143 UJ	0.261 U	0.0523 U	0.0494 U	0.0507 U
Octatriacontane	mg/kg	0.0466 J	0.0402 UJ	0.106 UJ	0.194 UJ	0.0388 UJ	0.0367 U	0.0953 J
Pentacosane	mg/kg	0.0366 J	0.0356 J	0.078 UJ	0.142 U	0.0285 U	0.0539 J	0.0916
Pentadecane	mg/kg	0.0307 UJ	0.0295 UJ	0.078 UJ	0.142 U	0.0285 U	0.0298 J	0.1
Pentatriacontane	mg/kg	0.0307 UJ	0.0458 J	0.157 J	0.142 UJ	0.053 J	0.0554 J	0.0368 J
Tetracontane	mg/kg	0.0307 UJ	0.0295 UJ	0.186 J	0.198 J	0.064 J	0.0889	0.0852 J
Tetratriacontane	mg/kg	0.0363 UJ	0.0353 J	0.148 J	0.168 UJ	0.0336 UJ	0.0318 U	0.0397 J
Tricosane	mg/kg	0.319 J	0.179 J	0.0993 UJ	0.449	0.0362 U	0.0343 U	0.183
Tritriacontane	mg/kg	0.0615 UJ	0.0589 UJ	0.156 UJ	0.285 UJ	0.0569 UJ	0.0863	0.093 J
Butyltins								
Dibutyltin	ug/kg	1.7 U	1.8 U	1.7 U	3.4	1.7 U	1.5 U	1.6 U
Monobutyltin	ug/kg	28 UCN	28 UCN	27 UCN	25 UCN	26 UCN	24 UCN	26 UCN
Tetrabutyltin	ug/kg	2.3 U	2.3 U	2.2 U	2.1 U	2.2 U	2 U	2.1 U
Tributyltin	ug/kg	2 U	2.1 U	2 U	2.6	1.9 U	1.8 U	1.9 U
PCB Congeners								
PCB-1	ng/kg	26.9 J	10.5 J	14.3 J	764	52.8	77.3 B	103
PCB-2	ng/kg	17.2 BJ	0.716 U	6.14 BJ	118 B	25.9 B	13.9 J	21.2 B
PCB-3	ng/kg	23.2 BJ	6.88 BJ	11.1 BJ	418 B	41.8 JB	57.9 B	59.2 B

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
PCB-4	ng/kg	99.8 BJ	28.1 BJ	38.7 BJ	7,090 BE	238 B	174 B	207 B
PCB-5	ng/kg	0.798 UJ	0.819 UJ	0.809 UJ	163	7.96 U	8.16 U	7.9 U
PCB-6	ng/kg	42.5 BJ	11.9 BJ	17.5 BJ	5,850 BE	103 B	76.4 B	84.7 B
PCB-7	ng/kg	0.798 U	0.819 U	0.809 U	550 B	7.96 U	8.16 U	7.9 U
PCB-8	ng/kg	214 BJ	54.6 BJ	77.8 BJ	13,700 BE	593 B	305 B	339 B
PCB-9	ng/kg	0.698 U	0.716 U	0.708 U	768 B	31.1 B	16.9 J	15.4 JB
PCB-10	ng/kg	7.89 J	2.44 J	1.32 UJ	464	12.9 U	15.9 J	24.3 J
PCB-11	ng/kg	152 BJ	38.9 BJ	56.7 BJ	856 B	318 B	177 B	269 B
PCB-12/13	ng/kg	48 J	12.3 J	18.9 J	2,610	106	70.1	99.8
PCB-14	ng/kg	0.798 UJ	0.819 UJ	0.809 UJ	10.2 U	7.96 U	8.16 U	7.9 U
PCB-15	ng/kg	286 BJ	65.6 BJ	103 BJ	11,100 BE	599 B	510 B	570 B
PCB-16	ng/kg	210 BJ	37.1 BJ	56.1 BJ	7,020 BE	517 B	116 B	191 B
PCB-17	ng/kg	233 BJ	45.8 BJ	68.6 BJ	12,500 BE	630 B	172 B	296 B
PCB-18/30	ng/kg	424 BJ	80.3 BJ	118 BJ	20,400 BE	1,180 B	264 B	453 B
PCB-19	ng/kg	51.1 J	11.7 J	15.7 J	4,380 E	140	57.1 B	82.4
PCB-20/28	ng/kg	991 BEJ	207 BJ	309 BJ	52,000 BE	3,040 B	1,070 B	1,680 B
PCB-21/33	ng/kg	299 J	54.4 J	82.2 J	11,300 E	897	217 B	315
PCB-22	ng/kg	272 BJ	53.5 BJ	79.4 BJ	16,700 BE	865 B	239 B	340 B
PCB-23	ng/kg	0.698 UJ	0.716 UJ	0.708 UJ	28.2	6.97 U	7.14 U	6.92 U
PCB-24	ng/kg	5.4 J	1.02 UJ	1.25 J	580	16.2 J	10.2 U	9.88 U
PCB-25	ng/kg	87.4 J	19.9 J	29.9 J	7,280 E	262	114	177
PCB-26/29	ng/kg	156 J	33.1 J	50.3 J	9,850 E	444	186	281
PCB-27	ng/kg	46.7 J	9.56 J	14.5 J	3,040	128	49.8	81.2
PCB-31	ng/kg	764 BEJ	154 BJ	236 BJ	33,900 BE	2,210 B	562 B	1,140 B
PCB-32	ng/kg	165 BJ	35.6 BJ	51.9 BJ	11,600 BE	531 B	125 B	242 B
PCB-34	ng/kg	0.698 UJ	0.863 J	0.708 UJ	262	10.1 J	7.14 U	6.92 U
PCB-35	ng/kg	27.8 J	4.95 J	9.41 J	817	60.2	25.1	50.6
PCB-36	ng/kg	0.798 UJ	0.819 UJ	0.809 UJ	10.2 U	7.96 U	8.16 U	7.9 U
PCB-37	ng/kg	320 EJ	57.7 J	95.2 J	14,700 E	866	427	597
PCB-38	ng/kg	0.698 UJ	0.716 UJ	0.708 UJ	19.5 J	6.97 U	7.14 U	6.92 U
PCB-39	ng/kg	4.65 J	0.991 J	1.41 J	222	13.9 J	8.16 U	10.6 J
PCB-40/71	ng/kg	428 J	83.6 J	115 J	18,600 E	1,220	314	828
PCB-41	ng/kg	62 J	8.6 J	12.2 J	3,040	181	42.8 U	97.2 J
PCB-42	ng/kg	314 J	59.5 J	84.2 J	13,700 E	907	225	619
PCB-43	ng/kg	40.5 J	7.48 J	8.63 J	1,640	117	25.5 J	61.5
PCB-44/47/65	ng/kg	935 BJ	188 BJ	255 BJ	36,800 BE	2,650 B	650	1,770 B
PCB-45	ng/kg	125 J	20 J	26.9 J	5,690	316	79	173
PCB-46	ng/kg	50.9 J	9.12 J	12.3 J	2,390	133	36	75.3
PCB-48	ng/kg	164 J	29.9 J	41.6 J	7,390	487	89.5	263
PCB-49/69	ng/kg	644 BJ	129 BJ	185 BJ	27,100 BE	1,880 B	447	1,260 B
PCB-50/53	ng/kg	134 J	27.1 J	34.9 J	5,780	361	117	224
PCB-51	ng/kg	60.1 J	21.2 J	23.2 J	2,120	159	45.6 J	104
PCB-52	ng/kg	911 BEJ	174 BJ	239 BJ	32,300 BE	2,740 B	673	1,800 B
PCB-54	ng/kg	7 J	2.63 J	1.42 UJ	121	15.4 J	14.3 U	13.8 U
PCB-55	ng/kg	11 J	1.79 J	1.21 UJ	641	41.6 J	12.2 U	31.9 J
PCB-56	ng/kg	437 J	77.9 J	118 J	21,000 E	1,370	372	1,030
PCB-57	ng/kg	1.1 UJ	1.13 UJ	1.41 J	248	14 J	11.2 U	12.8 J
PCB-58	ng/kg	2.7 J	1.43 UJ	1.42 UJ	121	13.9 U	14.3 U	13.8 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
PCB-60	ng/kg	190 J	32.2 J	48.2 J	10,200 E	654	137	447
PCB-61/70/74/76	ng/kg	1,360 J	254 J	377 J	58,100 E	4,380	1,050	3,190
PCB-62/75	ng/kg	83.2 J	16.2 J	22.4 J	4,170	255	69.4 J	173
PCB-63	ng/kg	31.4 J	6.36 J	9.6 J	1,600	108	26.1 J	80.5
PCB-64	ng/kg	419 BJ	78.5 BJ	110 BJ	20,000 BE	1,270 B	263	774 B
PCB-66	ng/kg	813 BEJ	156 BJ	239 BJ	39,500 BE	2,700 B	759	2,090 B
PCB-67	ng/kg	27.4 J	5.22 J	7.98 J	1,520	90.9	23.3 J	74.7
PCB-68	ng/kg	5.66 J	1.59 J	1.99 J	191	17.6 J	14.3 U	18.6 J
PCB-72	ng/kg	7.98 J	1.86 J	2.71 J	286	23.3 J	13.3 U	24.7 J
PCB-73	ng/kg	1.4 UJ	1.43 UJ	1.42 UJ	17.9 U	13.9 U	14.3 U	13.8 U
PCB-77	ng/kg	119 J	18.2 J	35.6 J	4,310	293	134	270
PCB-78	ng/kg	1.6 UJ	1.64 UJ	1.62 UJ	20.5 U	15.9 U	16.3 U	15.8 U
PCB-79	ng/kg	5.82 J	1.26 J	1.43 J	135	18.3 J	11.2 U	19.7 J
PCB-80	ng/kg	1.1 UJ	1.13 UJ	1.11 UJ	14.1 U	10.9 U	11.2 U	10.9 U
PCB-81	ng/kg	3.35 J	1.84 UJ	1.82 UJ	157	17.9 U	18.4 U	17.8 U
PCB-82	ng/kg	95.2 J	19.5 J	26 J	2,650	301	105	334
PCB-83	ng/kg	24.4 J	6.68 J	8.06 J	838	115	32.5 J	146
PCB-84	ng/kg	183 J	38.4 J	49 J	4,640	558	227	730
PCB-85/116/117	ng/kg	135 J	29.6 J	41.2 J	3,560	448	159	488
PCB-86/87/97/109/119/125	ng/kg	452 J	101 J	133 J	10,600	1,450	509	1,590
PCB-88	ng/kg	2.19 UJ	2.25 UJ	2.23 UJ	45 J	21.9 U	22.4 U	21.7 U
PCB-89	ng/kg	11.8 J	2.38 J	1.32 UJ	451	37.7 J	13.3 U	36.9 J
PCB-90/101/113	ng/kg	648 J	155 J	199 J	12,400	2,080	677	2,310
PCB-91	ng/kg	116 J	27.2 J	36.9 J	3,140	369	153	443
PCB-92	ng/kg	113 J	27.6 J	33.8 J	2,250	372	136	444
PCB-93/100	ng/kg	20.8 J	7.88 UJ	8.75 J	313	76.6 U	78.5 U	76.1 U
PCB-94	ng/kg	7.31 J	2.55 J	2.6 J	157	21.1 J	13.3 U	21.3 J
PCB-95	ng/kg	634 EJ	138 J	178 J	12,200 E	1,910	860	2,340
PCB-96	ng/kg	7.45 J	1.77 J	2.16 J	231	18.8 J	15.3 U	18.4 J
PCB-98/102	ng/kg	36.1 J	9.79 J	11 J	1,070	115 J	78.5 U	118 J
PCB-99	ng/kg	375 J	89.6 J	122 J	8,600 E	1,210	425	1,300
PCB-103	ng/kg	10.4 J	3.05 J	4.18 J	171	26.2 J	11.2 U	29.2 J
PCB-104	ng/kg	2.07 J	1.43 UJ	1.42 UJ	17.9 U	13.9 U	14.3 U	13.8 U
PCB-105	ng/kg	283 J	55.4 J	80.3 J	6,080	800	294	848
PCB-106	ng/kg	1.7 UJ	1.74 UJ	1.72 UJ	21.8 U	16.9 U	17.3 U	16.8 U
PCB-107	ng/kg	45.3 J	10.6 J	15 J	1,080	148	58	156
PCB-108/124	ng/kg	23.3 J	5.26 J	7.57 J	519	77.8 J	31.9 J	79.5 J
PCB-110/115	ng/kg	814 J	190 J	249 J	16,800 E	2,630	1,180	3,320
PCB-111	ng/kg	1.4 UJ	1.43 UJ	1.42 UJ	17.9 U	13.9 U	14.3 U	13.8 U
PCB-112	ng/kg	1.4 UJ	1.43 UJ	1.42 UJ	47.6 J	13.9 U	14.3 U	13.8 U
PCB-114	ng/kg	16.3 J	3.06 J	4.3 J	432	46.6 J	15.3 U	39.1 J
PCB-118	ng/kg	625 EJ	138 J	198 J	13,600 E	1,970	760	2,160
PCB-120	ng/kg	2.24 J	1.33 UJ	1.32 UJ	39.5 J	12.9 U	13.3 U	12.8 U
PCB-121	ng/kg	1.2 UJ	1.23 UJ	1.21 UJ	15.4 U	11.9 U	12.2 U	11.9 U
PCB-122	ng/kg	9.13 J	2.08 J	2.77 J	249	32.9 J	12.2 U	30.6 J
PCB-123	ng/kg	13.7 J	2.72 J	1.72 UJ	353	40.2 J	18.9 J	50.2
PCB-126	ng/kg	1.6 UJ	1.64 UJ	1.62 UJ	61.7 J	15.9 U	16.3 U	15.8 U
PCB-127	ng/kg	1.4 UJ	1.89 J	1.42 UJ	17.9 U	13.9 U	14.3 U	13.8 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
PCB-128/166	ng/kg	102 J	25.4 J	35.2 J	1,210	353	163	549
PCB-129/138/163	ng/kg	851 J	220 J	292 J	8,830	2,680	1,110	3,460
PCB-130	ng/kg	44.4 J	10.3 J	14.4 J	513	149	66.5	202
PCB-131	ng/kg	7.64 J	1.85 J	2.17 J	108	30.2 J	17.3 U	39.7 J
PCB-132	ng/kg	251 J	64.3 J	78.7 J	2,710	787	331	1,050
PCB-133	ng/kg	11.8 J	3.01 J	1.21 UJ	125	35 J	14.7 J	45 J
PCB-134	ng/kg	40.5 J	10.8 J	12.9 J	474	136	53.5 J	191
PCB-135/151	ng/kg	270 J	69.6 J	78.6 J	2,480	768	300	928
PCB-136	ng/kg	87.6 J	22 J	25.7 J	813	242	102	314
PCB-137	ng/kg	27.5 J	7.37 J	9.69 J	426	112	48.4 J	160
PCB-139/140	ng/kg	9.52 J	2.97 UJ	3.23 J	132	28.9 U	29.6 U	54.4 J
PCB-141	ng/kg	164 J	38.4 J	48.8 J	1,450	410	139	481
PCB-142	ng/kg	1.7 UJ	1.74 UJ	1.72 UJ	21.8 U	16.9 U	17.3 U	16.8 U
PCB-143	ng/kg	3.29 UJ	3.38 UJ	3.34 UJ	42.3 U	32.8 U	33.7 U	32.6 U
PCB-144	ng/kg	33.1 J	8.25 J	9.84 J	279	85.6	35.8 J	98.8
PCB-145	ng/kg	1.6 UJ	1.64 UJ	1.62 UJ	20.5 U	15.9 U	16.3 U	15.8 U
PCB-146	ng/kg	110 J	29.1 J	36.6 J	1,130	336	139	420
PCB-147/149	ng/kg	599 J	158 J	191 J	5,780	1,780	719	2,200
PCB-148	ng/kg	3.99 UJ	4.09 UJ	1.42 UJ	51.2 U	39.8 U	40.8 U	39.5 U
PCB-150	ng/kg	1.5 UJ	1.54 UJ	1.52 UJ	28.6 J	14.9 U	15.3 U	14.8 U
PCB-152	ng/kg	1.4 UJ	1.43 UJ	1.42 UJ	17.9 U	13.9 U	14.3 U	13.8 U
PCB-153/168	ng/kg	705 J	185 J	241 J	6,870	2,060	816	2,530
PCB-154	ng/kg	13.5 J	4.71 UJ	5.19 J	170	45.8 U	46.9 U	45.4 U
PCB-155	ng/kg	7.92 J	1.88 J	3.1 J	48.9 J	13.9 U	14.3 U	13.8 U
PCB-156/157	ng/kg	74.7 J	18.2 J	29.1 J	870	231	100 J	307
PCB-158	ng/kg	73.3 J	19.1 J	25.1 J	812	237	91.6	307
PCB-159	ng/kg	6.75 J	1.83 J	5.34 J	59.4 J	18.5 J	14.3 U	17.7 J
PCB-160	ng/kg	6.28 UJ	6.45 UJ	6.37 UJ	80.7 U	62.7 U	64.3 U	62.2 U
PCB-161	ng/kg	1.3 UJ	1.33 UJ	1.32 UJ	16.7 U	12.9 U	13.3 U	12.8 U
PCB-162	ng/kg	1.3 UJ	1.33 UJ	1.32 UJ	16.7 U	12.9 U	13.3 U	12.8 U
PCB-164	ng/kg	50.9 J	13.6 J	17.3 J	534	161	67.4	198
PCB-165	ng/kg	1.3 UJ	1.33 UJ	1.32 UJ	16.7 U	12.9 U	13.3 U	12.8 U
PCB-167	ng/kg	24.7 J	6.49 J	9.29 J	290	80.7	43 J	107
PCB-169	ng/kg	1.5 UJ	1.54 UJ	1.52 UJ	19.2 U	14.9 U	15.3 U	14.8 U
PCB-170	ng/kg	235 J	63.5 J	281 J	2,030	682	262	703
PCB-171/173	ng/kg	68.8 J	18.9 J	64.8 J	591	204	75.1 J	207
PCB-172	ng/kg	40.3 J	11.1 J	34.4 J	379	130	45.2 J	119
PCB-174	ng/kg	223 J	62.9 J	177 J	1,960	654	229	640
PCB-175	ng/kg	10.5 J	2.67 J	6.14 J	88.6	27.5 J	14.3 U	31.4 J
PCB-176	ng/kg	29.2 J	7.43 J	18.4 J	237	80.3	27.6 J	79.2
PCB-177	ng/kg	143 J	38 J	106 J	1,160	405	156	402
PCB-178	ng/kg	51.6 J	14.6 J	28.3 J	468	155	58.4	157
PCB-179	ng/kg	101 J	25.9 J	53.1 J	812	278	95.2	281
PCB-180/193	ng/kg	519 J	156 J	476 J	4,960	1,670	635	1,600
PCB-181	ng/kg	1.6 J	1.33 UJ	1.32 UJ	16.7 U	12.9 U	13.3 U	12.8 U
PCB-182	ng/kg	1.3 UJ	1.33 UJ	1.32 UJ	16.7 U	12.9 U	13.3 U	12.8 U
PCB-183/185	ng/kg	169 J	46.6 J	111 J	1,460	474	178	492
PCB-184	ng/kg	1.4 UJ	1.43 UJ	4.05 UJ	17.9 U	13.9 U	14.3 U	13.8 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
PCB-186	ng/kg	1.5 UJ	1.54 UJ	1.52 UJ	19.2 U	14.9 U	15.3 U	14.8 U
PCB-187	ng/kg	353 J	96.9 J	208 J	3,230	1,090	396	1,080
PCB-188	ng/kg	1.5 UJ	1.54 UJ	1.52 UJ	29.1 J	14.9 U	15.3 U	14.8 U
PCB-189	ng/kg	8.94 J	2.54 J	10.1 J	73.6	23.1 J	13.3 U	25.8 J
PCB-190	ng/kg	48.2 J	13.7 J	41.4 J	406	142	56.9	133
PCB-191	ng/kg	9.32 J	2.75 J	7.99 J	79.8	26.2 J	13.3 U	24.7 J
PCB-192	ng/kg	1.3 UJ	1.33 UJ	1.32 UJ	16.7 U	12.9 U	13.3 U	12.8 U
PCB-194	ng/kg	113 J	38.1 J	180 J	1,080	396	141	311
PCB-195	ng/kg	39.4 J	14.7 J	64.6 J	400	129	49.4 J	119
PCB-196	ng/kg	63.2 J	21.6 J	85.1 J	590	212	77.7	177
PCB-197/200	ng/kg	16.5 J	5.89 J	20.8 J	172	60.1 J	43.9 U	56.9 J
PCB-198/199	ng/kg	167 J	51.2 J	171 J	1,680	593	218	500
PCB-201	ng/kg	16.3 J	5.76 J	15.6 J	171	51.7	20.4 U	53.3
PCB-202	ng/kg	50.2 J	11.9 J	27.2 J	412	128	60.9 J	137
PCB-203	ng/kg	99.2 J	32.3 J	86.1 J	1,000	350	150	282
PCB-204	ng/kg	2.09 UJ	2.15 UJ	2.12 UJ	26.9 U	20.9 U	21.4 U	20.7 U
PCB-205	ng/kg	5.69 J	1.9 J	6 J	52.7 J	16.8 J	15.3 U	18.2 J
PCB-206	ng/kg	110 J	27.6 J	41.4 J	1,060	345	166	362
PCB-207	ng/kg	9.61 J	2.84 J	4.14 J	91.5	25.1 J	19.4 U	32 J
PCB-208	ng/kg	46.1 J	8.71 J	11.9 J	364	103	56.7	130
PCB-209	ng/kg	93.1 J	14.8 J	21.1 J	610	175	156	354
Total PCB Congeners (209)	ng/kg	23,500 J	5,230 J	8,520 J	734,000 J	70,400 J	23,900 J	62,400 J
Aroclor PCBs								
Aroclor-1016	ug/kg	5 UJ	4.7 UJ	5.1 UJ	4.7 U	4.7 U	4.4 U	4.5 U
Aroclor-1221	ug/kg	6.4 UJ	6.1 UJ	6.5 UJ	6 U	6 U	5.6 U	5.8 U
Aroclor-1232	ug/kg	11 UJ	11 UJ	11 UJ	10 U	10 U	9.8 U	10 U
Aroclor-1242	ug/kg	4.6 UJ	4.3 UJ	4.6 UJ	4.3 U	4.3 U	4 U	4.1 U
Aroclor-1248	ug/kg	17 J	9.1 J	18 J	400	22	4 U	19 J
Aroclor-1254	ug/kg	19 JPN	11 J	25 J	210	28	12 U	38 J
Aroclor-1260	ug/kg	6.8 UJ	6.5 UJ	6.9 UJ	81	12 J	13 U	6.1 U
Aroclor-1262	ug/kg	4.6 UJ	4.3 UJ	4.6 UJ	4.3 U	4.3 U	4 U	4.1 U
Aroclor-1268	ug/kg	4.6 UJ	4.3 UJ	4.6 UJ	4.3 U	4.3 U	4 U	4.1 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	36 PJ	20 J	43 J	690	62 J	13 U	57 J
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	36 PJ	20 J	43 J	690	62 J	13 U	57 J
Pesticides								
2,4'-DDD	pg/g	1,410	88,700 D	822	2,810	974	1,580	11,200
2,4'-DDE	pg/g	1,360 D	61,700 D	920 JD	981 D	389 JD	199	886 D
2,4'-DDT	pg/g	66.1 J	7,450	24.2 U	24.2 U	24.2 U	316	132
4,4'-DDD	pg/g	3,700	79,100 D	2,120	8,020	2,750	4,020	19,800
4,4'-DDE	pg/g	6,630 D	141,000 D	4,070	6,020	2,140	3,000	3,730
4,4'-DDT	pg/g	298 J	9,000	30 U	427	195 J	1,250	2,060
Aldrin	pg/g	10.1 UD	10.1 UD	10.1 UD	10.1 UD	10.1 UD	10.1 UD	10.1 UD
Alpha-BHC	pg/g	7.68 U	39.7 J	7.68 U	7.68 U	12.6 J	7.68 U	8.17 J
Alpha-Chlordane	pg/g	693 JD	1,060 D	693 JD	3,520	880	3,330	714
Beta-BHC	pg/g	14.2 U	57.1	14.2 U	22.1 J	14.2 U	14.2 U	14.2 U
cis-Nonachlor	pg/g	337	269	21.4 U	851	21.4 U	895	21.4 U
Delta-BHC	pg/g	12.2 U	12.2 U	12.2 U	12.2 U	12.2 U	12.2 U	12.2 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
Dieldrin	pg/g	8.62 UD	410 JD	8.62 UD	1,000 D	380	413	526
Endosulfan I	pg/g	56 UD	56 U	56 UD	56 U	56 U	56 U	56 U
Endosulfan II	pg/g	120 U	120 U	120 U	120 U	120 U	120 U	120 U
Endosulfan Sulfate	pg/g	83.1 U	83.1 U	83.1 U	83.1 U	83.1 U	83.1 U	83.1 U
Endrin	pg/g	14.8 U	14.8 U	14.8 U	14.8 U	14.8 U	14.8 U	14.8 U
Endrin Aldehyde	pg/g	230 U	230 U	230 U	230 U	230 U	230 U	230 U
Endrin Ketone	pg/g	132 U	132 U	132 U	132 U	132 U	132 U	132 U
Gamma-BHC (Lindane)	pg/g	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U	7.69 U
Heptachlor	pg/g	22 U	22 U	22 U	22 U	22 U	22 U	22 U
Heptachlor Epoxide	pg/g	19.1 U	72.1	51.2 J	95.6	19.1 U	157	67.2
Hexachlorobenzene	pg/g	504 B	1,630 B	375 B	415 B	200 B	298 B	2,400 B
Methoxychlor	pg/g	82.9 U	82.9 UD	82.9 UD	82.9 U	82.9 U	82.9 U	82.9 U
Mirex	pg/g	9.87 U	9.87 U	9.87 U	244	9.87 U	9.87 U	9.87 U
Nonachlor, trans-	pg/g	17.5 UD	623 JD	17.5 UD	2,000	533	1,610	442
Oxychlordane	pg/g	8.66 U	8.66 U	8.66 U	8.66 U	8.66 U	8.66 U	8.66 U
trans-Chlordane	pg/g	939	990	878	3,730	996	3,250	754
trans-Heptachlor Epoxide	pg/g	132	166	56.7 U	56.7 U	56.7 U	56.7 U	56.7 U
Total Alpha + Gamma Chlordane	ppb	1.6 DJ	2.1 D	1.6 DJ	7.3	1.9	6.6	1.5
Total DDT (2,4)	ppb	2.8 DJ	160 D	1.7 DJ	3.8 D	1.4 DJ	2.1	12 D
Total DDT (4,4)	ppb	11 DJ	230 D	6.2	14	5.1 J	8.3	26
Total DDT (2,4 & 4,4)	ppb	13 DJ	390 D	7.9 DJ	18 D	6.4 DJ	10	38 D
Semivolatiles								
1,2,4,5-Tetrachlorobenzene	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
1,2-Diphenylhydrazine	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
1-Methylnaphthalene	ug/kg	7 J	19 J	17 J	14	11	22	45
2,2'-oxybis(1-Chloropropane)	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2,3,4,6-Tetrachlorophenol	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
2,4,5-Trichlorophenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2,4,6-Trichlorophenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2,4-Dichlorophenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2,4-Dimethylphenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2,4-Dinitrophenol	ug/kg	420 UJ	400 UJ	420 UJ	390 U	390 U	370 U	380 U
2,4-Dinitrotoluene	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
2,6-Dinitrotoluene	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2-Chloronaphthalene	ug/kg	10 UJ	9 UJ	10 UJ	9 U	9 U	9 U	9 U
2-Chlorophenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2-Methylnaphthalene	ug/kg	15 J	20 J	24 J	29	22	18 J	43
2-Methylphenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2-Nitroaniline	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
2-Nitrophenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
3,3'-Dichlorobenzidine	ug/kg	140 UJ	130 UJ	140 UJ	130 U	130 U	120 U	130 U
3-Nitroaniline	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
4,6-Dinitro-2-methylphenol	ug/kg	230 UJ	220 UJ	230 UJ	220 U	220 U	200 U	210 U
4-Bromophenyl phenyl ether	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
4-Chloro-3-Methylphenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
4-Chloroaniline	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
4-Chlorophenyl phenyl ether	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
4-Methylphenol	ug/kg	68 J	55 J	150 J	57	54	20 U	150
4-Nitroaniline	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
4-Nitrophenol	ug/kg	230 UJ	220 UJ	230 UJ	220 UJ	220 U	200 U	210 U
Acenaphthene	ug/kg	7 J	35 J	16 J	18	10	17 J	130
Acenaphthylene	ug/kg	53 J	50 J	93 J	26	29	18 J	73
Acetophenone	ug/kg	74 J	22 UJ	23 UJ	22 U	22 U	20 U	21 U
Anthracene	ug/kg	37 J	230 J	130 J	57	42	82	490
Atrazine	ug/kg	47 UJ	44 UJ	47 UJ	43 U	43 U	41 U	42 U
Benzaldehyde	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
Benzidine	ug/kg	980 UJ	920 UJ	980 UJ	910 U	910 U	860 U	880 U
Benzo(a)anthracene	ug/kg	160 J	450 J	500 J	160	170	300	1,100
Benzo(a)pyrene	ug/kg	210 J	430 J	590 J	200	190	310	1,100
Benzo(b)fluoranthene	ug/kg	160 J	390 J	650 J	240	200	340	1,300
Benzo(e)pyrene	ug/kg	140 J	300 J	400 J	150	140	220	730
Benzo(g,h,i)perylene	ug/kg	120 J	230 J	380 J	130	120	220	670
Benzo(j,k)fluoranthene	ug/kg	140 J	360 J	460 J	150	130	230	810
Benzoic Acid	ug/kg	230 UJ	220 UJ	230 UJ	220 U	220 U	200 U	270 J
Biphenyl	ug/kg	25 J	22 UJ	43 J	22 U	22 U	20 U	30 J
bis(2-Chloroethoxy)methane	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
bis(2-Chloroethyl)ether	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
bis(2-Ethylhexyl)phthalate	ug/kg	810 J	1,200 J	630	1,900	520	260	270
Butyl benzyl phthalate	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
C1-Chrysenes	ug/kg	280 J	280 J	410 J	160	180	180	650
C1-Fluoranthenes/Pyrenes	ug/kg	400 J	480 J	670 J	270	310	290	1,300
C1-Fluorenes	ug/kg	22 J	38 J	27 J	21	21	20 J	120
C1-Naphthalenes	ug/kg	21 J	31 J	27 J	25	19	26	57
C1-Phenanthrenes/Anthracenes	ug/kg	74 J	250 J	270 J	110	100	200	960
C2-Chrysenes	ug/kg	160 J	130 J	210 J	110	110	85	310
C2-Fluoranthenes/Pyrenes	ug/kg	230 J	210 J	330 J	170	170	130	700
C2-Fluorenes	ug/kg	29 J	23 J	45 J	0.9 U	17	20 J	110
C2-Naphthalenes	ug/kg	22 J	34 J	35 J	40	25	30	100
C2-Phenanthrene/anthracenes	ug/kg	140 J	160 J	320 J	120	140	150	610
C3-Chrysenes	ug/kg	61 J	45 J	74 J	73	56	32	150
C3-Fluoranthenes/Pyrenes	ug/kg	120 J	91 J	140 J	130	110	76	360
C3-Fluorenes	ug/kg	36 J	9 UJ	9 UJ	0.9 U	0.9 U	8 U	4 U
C3-Naphthalene	ug/kg	21 J	27 J	54 J	42	24	30	120
C3-Phenanthrene/anthracenes	ug/kg	120 J	95 J	200 J	92	110	71	270
C4-Chrysenes	ug/kg	0.9 UJ	9 UJ	9 UJ	61	37	8 U	4 U
C4-Naphthalene	ug/kg	25 J	27 J	77 J	95	51	26	100
C4-Phenanthrenes/anthracenes	ug/kg	0.9 UJ	9 UJ	9 UJ	0.9 U	0.9 U	8 U	4 U
Caprolactam	ug/kg	47 UJ	44 UJ	47 UJ	43 U	43 U	41 U	42 U
Carbazole	ug/kg	23 UJ	22 UJ	23 UJ	36 J	26 J	110	300
Chrysene	ug/kg	180 J	450 J	510 J	180	190	320	1,200
Dibenzo(a,h)anthracene	ug/kg	43 J	74 J	120 J	3	42	59	230
Dibenzofuran	ug/kg	23 UJ	22 UJ	45 J	22 U	28 J	23 J	150
Diethyl phthalate	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
Dimethylphthalate	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
Di-n-Butylphthalate	ug/kg	93 UJ	88 UJ	93 UJ	86 UJ	86 U	82 U	84 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
Di-n-Octylphthalate	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
Fluoranthene	ug/kg	160 J	1,200 J	1,100 J	430	310	660	3,400
Fluorene	ug/kg	11 J	110 J	31 J	21	12	22	180
Hexachlorobutadiene	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
Hexachlorocyclopentadiene	ug/kg	230 UJ	220 UJ	230 UJ	220 U	220 U	200 U	210 U
Hexachloroethane	ug/kg	47 UJ	44 UJ	47 UJ	43 U	43 U	41 U	42 U
Indeno(1,2,3-cd)pyrene	ug/kg	130 J	230 J	350 J	3	110	180	610
Isophorone	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
Naphthalene	ug/kg	27 J	30 J	59 J	34	52	29	91
Nitrobenzene	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
N-Nitroso-di-n-propylamine	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
N-Nitrosodiphenylamine	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	20 U	21 U
Pentachlorophenol	ug/kg	47 UJ	44 UJ	47 UJ	43 U	43 U	41 U	42 U
Perylene	ug/kg	75 J	110 J	150 J	53	55	80	270
Phenanthrene	ug/kg	29 J	840 J	340 J	190	110	290	2,000
Phenol	ug/kg	23 UJ	22 UJ	23 UJ	22 U	22 U	45	60
Pyrene	ug/kg	310 J	800 J	950 J	290	270	490	2,200
Pyridine	ug/kg	93 UJ	88 UJ	93 UJ	86 U	86 U	82 U	84 U
Total HMW PAHs	ppb	1,600 J	4,600 J	5,600 J	1,800	1,700	3,100	13,000
Total LMW PAHs	ppb	180 J	1,300 J	690 J	380	280	480 J	3,000
TOTAL PAHs	ppb	1,800 J	5,900 J	6,300 J	2,200	2,000	3,600 J	16,000
Volatiles								
1,2,4-Trichlorobenzene	ug/kg	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	ug/kg	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	ug/kg	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	ug/kg	1 UJ	1 UJ	1 UJ	1 U	1 U	1 U	1 U
TPH								
PHC AS GASOLINE	mg/kg	2.9 UJ	2.7 UJ	2.3 UJ	2.7 U	2.3 U	0.3 J	2.6 J
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	321 J	237 J	469 J	507	234	247	241
Grain Size								
75000 um	% passing	100	100	100	100	100	100	100
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	100	100	100	100	100	100	100
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	100	100	100	100	100	88.4	100
SIEVE NO. 4, PERCENT PASSING	% passing	99.9	98.9	99.7	95.9	98.3	64.3	77.2
3.35 mm	% passing	99.9	97.3	98.3	94.9	97	58.2	71.1
SIEVE, NO. 8, PERCENT PASSING	% passing	94.8	94.5	96.1	93.5	93.5	53.1	65.1
SIEVE, NO. 16, PERCENT PASSING	% passing	94.1	93.3	95.6	90.8	91.3	46.4	56.1
SIEVE, NO. 30, PERCENT PASSING	% passing	93.2	90.1	94.1	83	86.8	34.7	44
0.3 mm	% passing	87.7	79.4	87.1	56.8	72.5	14.3	27.1
SIEVE, NO. 100, PERCENT PASSING	% passing	65.3	57	64.8	28.4	61.1	13.1	18.2
SIEVE NO. 200, PERCENT PASSING	% passing	33.2	31.6	40	11.3	51.8	5.3	9.8
0.064 mm	% passing	28	27	35	9	49.5	4.5	8
0.05 mm	% passing	20.5	19	26	7.5	45	3.5	5
0.02 mm	% passing	9.5	9.5	16	3	36	1.5	4
0.002 mm	% passing	1	2	2	0.5 U	15	0.5	0.5 U
0.001 mm	% passing	0.5 U	0.5 U	0.5 U	0.5 U	9	0.5	0.5 U
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	2.5	4	6	2	19.5	0.5	1

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED122ACL 09/17/14 NB03SED122A	NB03SED122BCL 09/18/14 NB03SED122B	NB03SED122CCL 09/18/14 NB03SED122C	NB03SED123ACL 09/23/14 NB03SED123A	NB03SED123BCL 09/23/14 NB03SED123B	NB03SED124CL 10/02/14 NB03SED124	NB03SED125CL 09/26/14 NB03SED125
Physical Properties[1]								
MOISTURE (WATER)CONTENT	%	23.8	28.4	22.9	23.4	22.8	17.5	19.2
Oxidation Reduction Potential	mV	222	439	467	252	202	148	141
Percent Moisture	%	28.4	25.3	29.5	22.7	22.7	18.3	20.3
pH	pH Units	7.86	7.63	7.94	7.72	8.02	7.8	7.82
TOC by Lloyd Kahn	mg/kg	6,510 J	14,900 J	32,800 J	5,020	6,980	1,190	5,370
Total Solids (Percent)	%	69.7 Z	75.4 Z	73.2 Z	77.3 Z	74.6 Z	77.6 Z	77.2 Z
Water Content	%	31.2	39.8	29.8	30.5	29.5	21.2	23.8
Water Content ASTM D2216	%	39.7	33.8	41.8	29.4	29.3	22.4	25.5
Miscellaneous Chemicals								
Ammonia Nitrogen	mg/kg	R	R	R	550 U	110 U	520 U	533 U
Phosphorus	mg/kg	315 J-	229 J-	363 J-	284 J	426	438 J+	338
Total Cyanide	mg/kg	0.24 U	0.23 U	0.25 U	0.23 U	0.22 U	0.21 UJ	0.22 U
Total Kjeldahl Nitrogen (TKN)	mg/kg	135 J-	141 J-	R	62.2 U	67.4 U	478	246 J
AVS/SEM								
Acid Volatile Sulfide (AVS)	umol/g	R	0.89 J-	0.96 J-	4.7	1.5 B	R	3
Cadmium	umol/g	0.00286 J-	0.00202 J-	0.0027 J-	0.00202	0.00178	0.000287 B	0.000418 B
Copper	umol/g	0.219 J-	0.164 J-	0.172 J-	0.213	0.287	0.247	0.229
Lead	umol/g	0.175 J-	0.137 J-	0.166 J-	0.22	0.18	0.161	0.299
Mercury	umol/g	R	R	R	0.0000073 U	0.0000073 U	0.000138	0.0000074 U
Nickel	umol/g	0.0313 J-	0.021 J-	0.0399 J-	0.0504	0.054	0.197	0.0451
Zinc	umol/g	0.79 J-	0.672 J-	0.768 J-	1.09	1.91	0.665	0.761

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
Dioxins/Furans							
1,2,3,4,6,7,8-HpCDD	ng/kg	53.7	218	1,170 B	227 B	27.2 B [27 B]	21.3 B
1,2,3,4,6,7,8-HpCDF	ng/kg	18.4 B	228 B	478 B	80.2 B	15.3 B [17.4 B]	10.3 B
1,2,3,4,7,8,9-HpCDF	ng/kg	0.883 JB	8.57 B	30.7	5.46 JQB	0.96 J [0.938 J]	0.618 J
1,2,3,4,7,8-HxCDD	ng/kg	0.507 JBQ	3.64 JBQ	12.4	2.48 J	0.298 J [0.463 J]	0.299 JQ
1,2,3,4,7,8-HxCDF	ng/kg	3.16 JB	40 BC	93.3 BC	R	3 JB [3.51 JB]	1.84 JB
1,2,3,6,7,8-HxCDD	ng/kg	2.56 JB	15.7 B	49.8	10.4 B	1.35 J [1.88 J]	1.15 J
1,2,3,6,7,8-HxCDF	ng/kg	1.44 J	14.1 C	49.7 C	6.84 C	1.18 JB [1.21 JB]	0.83 JB
1,2,3,7,8,9-HxCDD	ng/kg	1.01 JB	8.34 B	27.4	5.74 B	0.952 JQ [0.989 JQ]	0.764 JQ
1,2,3,7,8,9-HxCDF	ng/kg	0.0761 U	3.2 JB	0.658 UC	2.27 JB	0.394 J [0.134 UJ]	0.171 J
1,2,3,7,8-PeCDD	ng/kg	0.443 JQ	4.22 J	13.8	2.77 JBQ	0.425 JQ [0.38 JQ]	0.274 J
1,2,3,7,8-PeCDF	ng/kg	0.753 JB	6.24 B	36.5 BC	6.16 B	0.611 JBQ [1.08 JB]	0.481 JB
2,3,4,6,7,8-HxCDF	ng/kg	1.25 JB	7.77 J	38.3 C	5.51 C	1.1 JB [1.08 JB]	0.783 JBQ
2,3,4,7,8-PeCDF	ng/kg	1.66 JB	11.9 JB	49 C	9.24 BC	1.66 J [1.84 JQ]	0.79 JQ
2,3,7,8-TCDD	ng/kg	3.93 B	90.7 B	271	26.2 B	4.62 [5.6]	2.83
2,3,7,8-TCDF	ng/kg	1.37 C	10.3 C	50.3 C	12.6 C	1.77 CQJ [1.82 C]	0.916 JCQ
OCDD	ng/kg	656 B	2,140 B	NA	2,230 B	288 B [306 B]	226 B
OCDF	ng/kg	29.4 B	331 B	732 B	149 B	30.3 B [28.2 B]	16.4 B
Herbicides							
2,4,5-T	ug/kg	1.1 U	1.2 U	32 U	1.2 U	1 U [1 U]	1 U
2,4,5-TP (Silvex)	ug/kg	0.97 U	1.1 U	29 U	2.5	0.92 U [0.94 U]	0.94 U
2,4-D	ug/kg	15 U	17 U	470 U	18 U	15 U [15 U]	15 U
2,4-DB	ug/kg	8 U	44	240 U	9.2 U	7.6 U [7.7 U]	7.8 U
Metals							
Aluminum	mg/kg	5,180	7,970	15,500	8,390 J	8,100 [7,570]	5,560
Antimony	mg/kg	0.171 B	0.405	7.79	0.732 J	0.249 J [0.29]	0.201 B
Arsenic	mg/kg	6.4	13.3	115	11.8	6.1 J [7.33]	4.26
Barium	mg/kg	63.6	79.2	663	123	186 J [167]	51.6
Beryllium	mg/kg	0.296	0.46	1.17	0.565 J	0.567 J [0.552]	0.314
Cadmium	mg/kg	0.515	2.19	13.7	1.14 J	0.49 J [0.411]	0.142
Calcium	mg/kg	1,020	2,350	12,700	3,420 J	8,550 J [6,620]	4,870
Chromium	mg/kg	27.1	116	276	55.4 J	29.9 J [31.1]	18.1
Cobalt	mg/kg	4.43	6.11	22.5	6.47 J+	7.3 J+ [7.4]	3.41
Copper	mg/kg	25.8	102	443	133	33.9 J [36]	14.5
Hexavalent Chromium	mg/kg	0.64 U	1.1 B	R	R	0.62 U [0.62 U]	R
Iron	mg/kg	11,000	15,600	148,000	21,300 J	11,500 J [13,900]	13,600
Lead	mg/kg	41.7	110	2,190	108	35 [37.8]	26.1
Magnesium	mg/kg	2,460	3,610	9,450	5,230	4,680 J [4,690]	2,460
Manganese	mg/kg	86.5	204	579	164	209 [201]	87.2
Mercury	ng/g	401	1,980	7,390	1,060	527 J [709 J]	142
Methyl Mercury	ng/g	0.264	0.503	11.9	1.65	1.11 J [1.38 J]	0.446
Nickel	mg/kg	13.2	33.9	104	23.5 J	18.2 J [20.4]	10.3
Potassium	mg/kg	1,420	2,120	2,370	2,380 J	1,720 [1,490]	1,520
Selenium	mg/kg	0.192 B	0.641	3	1.11	0.233 B [0.272 B]	0.141 B
Silver	mg/kg	0.206	1.57	5.8	0.957 J	0.255 J [0.315]	0.117 B
Sodium	mg/kg	2,560	3,700	9,440	3,800	2,610 [3,460]	2,790
Thallium	mg/kg	0.0945 B	0.167	0.2 B	0.169	0.125 J [0.119 B]	0.0541 B

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
Titanium	mg/kg	164	286	448	393 J	277 J [232]	169
Vanadium	mg/kg	13.8	25.6	142	31 J	21.3 J [21.5]	16.6
Zinc	mg/kg	70.3	231	2,450	182	90.3 J [94]	93.8
TEPH Alkanes							
2,6,10,14-Tetramethyl Pentadecane	mg/kg	0.0219 U	1.18	0.167 U	0.134 J	0.021 U [0.0212 U]	0.0216 U
2,6,10,14-Tetramethylhexadecane	mg/kg	0.0142 U	0.677 J	0.108 U	0.0885 J	0.0136 U [0.0137 U]	0.014 U
Dotriacontane	mg/kg	0.169	0.556 J	0.621	0.904	0.016 U [0.102]	0.0165 U
Heneicosane	mg/kg	0.0586	0.332 J	0.207 J	0.175 J	0.0292 J [0.0323 J]	0.0205 J
Heptacosane	mg/kg	0.0412 U	0.913 U	0.314 U	0.237 U	0.0395 U [0.0399 U]	0.0407 U
Heptadecane	mg/kg	0.0232 U	0.565 J	0.404	0.147 J	0.0448 [0.0689]	0.0496
Heptatriacontane, -n	mg/kg	0.0295 J	0.314 UJ	0.108 UJ	0.124 J	0.0202 J [0.0735 J]	0.014 UJ
Hexatriacontane	mg/kg	0.0142 U	0.314 UJ	0.108 UJ	0.0816 UJ	0.0136 UJ [0.019 J]	0.014 UJ
Hhentriacontane	mg/kg	0.206	0.462 U	1.7	1.06	0.0876 J [0.148 J]	0.0891
n-Decane	mg/kg	0.0191 U	0.422 U	0.145 U	0.11 U	0.0183 U [0.0185 U]	0.0188 U
n-Docosane	mg/kg	0.113	0.326 J	0.386	0.0816 U	0.0136 U [0.0137 U]	0.014 U
n-Dodecane	mg/kg	0.0142 U	0.314 U	0.108 U	0.0816 U	0.0136 U [0.0209 J]	0.014 U
n-Eicosane	mg/kg	0.0155 U	0.342 U	0.247 J	0.089 U	0.0148 U [0.015 U]	0.0416 J
n-Hexacosane	mg/kg	0.0276 J	1.12	0.187 U	0.141 U	0.0235 U [0.0237 U]	0.0242 U
n-Hexadecane	mg/kg	0.0142 U	0.314 U	0.108 U	0.347	0.0136 U [0.0252 J]	0.0362 J
n-Nonane	mg/kg	0.0142 U	0.314 UJ	0.108 UJ	0.0816 UJ	0.0136 UJ [0.0187 J]	0.014 UJ
n-Octacosane	mg/kg	0.312	0.575 J	2.59	1.46	0.122 J [0.23 J]	0.101
n-Octadecane	mg/kg	0.0193 U	0.428 U	0.147 U	0.117 J	0.0185 U [0.0208 J]	0.0191 U
Nonacosane	mg/kg	0.0745	0.581 J	0.579	0.563	0.0752 [0.0784]	0.0799
Nonadecane	mg/kg	0.0206 U	0.456 U	0.353	0.119 U	0.0198 U [0.02 U]	0.0204 U
Nonatriacontane	mg/kg	0.0272 J	0.571 UJ	0.242 J	0.19 J	0.0247 UJ [0.0267 J]	0.0254 UJ
n-Tetracosane	mg/kg	0.0142 U	0.314 U	0.108 U	0.101 J	0.0136 U [0.0315 J]	0.014 U
n-Tetradecane	mg/kg	0.018 U	0.399 U	0.138 U	0.104 U	0.0173 U [0.0186 J]	0.0178 U
n-Triacontane	mg/kg	0.026 U	0.576 U	0.198 U	0.569	0.0682 J [0.0252 U]	0.0887
n-Tridecane	mg/kg	0.0142 U	0.314 U	0.108 U	0.0816 U	0.0136 U [0.0188 J]	0.014 U
n-Undecane	mg/kg	0.026 U	0.576 U	0.198 U	0.15 U	0.0249 U [0.0252 U]	0.0257 U
Octatriacontane	mg/kg	0.0255 J	0.428 UJ	0.147 UJ	0.111 UJ	0.0185 UJ [0.0187 UJ]	0.0191 UJ
Pentacosane	mg/kg	0.063	0.314 U	0.108 U	0.0816 U	0.0136 U [0.026 J]	0.0472
Pentadecane	mg/kg	0.0145 J	0.314 U	0.237 J	0.181 J	0.0136 U [0.0347 J]	0.014 U
Pentatriacontane	mg/kg	0.0142 U	0.314 UJ	0.108 UJ	0.154 J	0.0176 J [0.0137 UJ]	0.014 UJ
Tetracontane	mg/kg	0.0533	0.314 UJ	0.403 J	0.253 J	0.026 J [0.0418 J]	0.0244 J
Tetratriacontane	mg/kg	0.0168 U	0.371 UJ	0.128 UJ	0.166 J	0.016 UJ [0.0162 UJ]	0.0165 UJ
Tricosane	mg/kg	0.018 U	0.539 J	0.181 J	0.33	0.0343 J [0.049]	0.0178 U
Tritriacontane	mg/kg	0.0284 U	0.628 UJ	0.216 UJ	0.163 U	0.0272 UJ [0.0274 UJ]	0.028 U
Butyltins							
Dibutyltin	ug/kg	1.7 U	5.7 J	5.1	5	1.6 U [1.7 U]	1.6 U
Monobutyltin	ug/kg	27 UCN	31 UJCN	38 UCN	30 UCN	26 UCN [28 UCN]	25 UCN
Tetrabutyltin	ug/kg	2.2 U	2.6 J	3.1 U	2.5 U	2.1 U [2.3 U]	2.1 U
Tributyltin	ug/kg	2 U	3.6 PJ	2.8 U	3.2	1.9 U [2 U]	1.8 U
PCB Congeners							
PCB-1	ng/kg	45.5	431	105 B	349 J	88.9 B [273 J]	108 B
PCB-2	ng/kg	11.2 JB	154 B	46.9	138 BJ	19.8 [77.8 J]	23.2
PCB-3	ng/kg	26.7 JB	532 B	108	197 BJ	37.7 [115 J]	28.1

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
PCB-4	ng/kg	119 B	5,780 BE	1,440 E	1,470 BJ	195 [557 EJ]	299 E
PCB-5	ng/kg	8.05 U	171	29.1	30.8 J	2.32 J [4.74 J]	0.76 U
PCB-6	ng/kg	58.2 B	1,590 B	256	621 BJ	66.1 [124 J]	64.3
PCB-7	ng/kg	8.05 U	455 B	0.77 U	7.97 U	0.808 U [17.8 J]	0.76 U
PCB-8	ng/kg	219 B	11,800 BE	1,510 BE	2,890 BJ	237 B [641 EJ]	199 B
PCB-9	ng/kg	7.05 U	555 B	75.3	128 BJ	10.5 [23.4 J]	10.1
PCB-10	ng/kg	13.1 U	261	55.3	103 J	17.8 [33.4 J]	20.7
PCB-11	ng/kg	158 B	11,000 BE	1,250 BE	2,930 BJ	237 B [364 EJ]	254 B
PCB-12/13	ng/kg	50.9	2,140	405	797 J	85.9 [136 J]	80.4
PCB-14	ng/kg	8.05 U	7.98 U	0.77 U	7.97 U	0.808 U [0.797 UJ]	0.76 U
PCB-15	ng/kg	262 B	9,890 BE	1,780 E	3,970 BEJ	504 E [682 EJ]	420 E
PCB-16	ng/kg	94.1 B	17,600 BE	2,780 E	3,730 BEJ	163 [252 BJ]	161
PCB-17	ng/kg	147 B	16,800 BE	2,550 E	4,090 BEJ	238 [292 J]	237
PCB-18/30	ng/kg	235 B	35,900 BE	5,100 E	8,480 BEJ	381 [523 J]	399
PCB-19	ng/kg	38.6	3,570 E	886 E	1,110 J	64 [111 J]	121
PCB-20/28	ng/kg	689 B	58,400 BE	9,340 E	21,000 BEJ	1,330 E [1,260 BEJ]	1,290 E
PCB-21/33	ng/kg	142	23,100 E	3,320 E	6,760 EJ	339 [362 J]	285
PCB-22	ng/kg	144 B	19,700 BE	2,900 E	6,170 BEJ	327 E [315 EJ]	299 E
PCB-23	ng/kg	7.05 U	50.9	7.92	10.9 J	0.707 U [0.698 UJ]	0.665 U
PCB-24	ng/kg	10.1 U	442	0.963 U	94.7 J	3.38 [4.96 J]	5.41
PCB-25	ng/kg	82.7	4,340 E	697 E	1,990 J	129 [111 J]	135
PCB-26/29	ng/kg	132	8,700 E	1,290 E	2,920 J	211 [190 J]	219
PCB-27	ng/kg	36	2,610	517 E	915 J	55.8 [59.1 J]	71.5
PCB-31	ng/kg	524 B	53,000 BE	5,910 E	15,800 BEJ	865 E [913 EJ]	805 E
PCB-32	ng/kg	110 B	11,900 BE	1,840 E	3,220 BEJ	173 [257 J]	193
PCB-34	ng/kg	7.05 U	201	32.5	80.9 J	6.23 [5.77 J]	5.74
PCB-35	ng/kg	16.3 J	1,640	226	430 J	33.3 [63.2 J]	32
PCB-36	ng/kg	8.05 U	14.1 J	0.77 U	21.3 J	1.45 J [1.39 J]	0.76 U
PCB-37	ng/kg	211	15,500 E	2,070 E	6,300 EJ	498 E [320 EJ]	417 E
PCB-38	ng/kg	7.05 U	6.98 U	0.674 U	11.7 J	0.707 U [0.698 UJ]	0.665 U
PCB-39	ng/kg	8.05 U	277	47.3	144 J	7.87 [5.5 J]	7.44
PCB-40/71	ng/kg	251	23,400 E	3,630 E	13,900 EJ	534 [417 J]	601
PCB-41	ng/kg	42.3 U	5,010	613 E	2,400 J	63 [51.7 J]	55.3
PCB-42	ng/kg	175	16,400 E	2,520 E	9,130 EJ	384 [298 J]	390
PCB-43	ng/kg	22.3 J	2,440	334	1,210 J	47.6 [38.1 J]	48.6
PCB-44/47/65	ng/kg	569 B	51,400 BE	7,240 E	30,700 BEJ	1,100 [893 J]	1,340
PCB-45	ng/kg	56	6,660 E	1,080 E	4,140 J	114 [106 J]	166
PCB-46	ng/kg	26.9	2,780	498	2,050 J	46.3 [41.6 J]	65.9
PCB-48	ng/kg	78.1	11,400 E	1,500 E	4,930 J	198 [154 J]	182
PCB-49/69	ng/kg	413 B	34,100 BE	4,510 E	19,700 BEJ	810 [641 J]	964
PCB-50/53	ng/kg	75.2 J	6,800	1,130	4,860 J	128 [116 J]	202
PCB-51	ng/kg	34 J	1,610	355	1,560 J	45 [46.9 J]	64
PCB-52	ng/kg	620 B	62,100 BE	7,770 E	36,400 BEJ	1,100 E [950 BEJ]	1,850 E
PCB-54	ng/kg	14.1 U	123	27.4	112 J	4.42 J [7.35 J]	9.84
PCB-55	ng/kg	12.1 U	715	77.2	335 J	10.4 [13.3 J]	13.3
PCB-56	ng/kg	279	27,200 E	3,400 E	18,300 EJ	599 [464 J]	673 E
PCB-57	ng/kg	11.1 U	242	27.3	115 J	7.72 [5.09 J]	6.47
PCB-58	ng/kg	14.1 U	73.4	12.3	46.8 J	3.36 J [3.88 J]	3.59 J

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
PCB-60	ng/kg	113	14,200 E	1,510 E	8,340 EJ	276 [168 J]	255
PCB-61/70/74/76	ng/kg	973	98,100 E	10,800 E	61,600 EJ	1,990 [1,620 J]	2,450 E
PCB-62/75	ng/kg	49.3 J	4,380	712	2,230 J	102 [81.8 J]	128
PCB-63	ng/kg	24.6 J	2,080	241	1,120 J	51.4 [40.1 J]	59
PCB-64	ng/kg	249 B	25,600 BE	3,420 E	14,100 BEJ	552 [431 J]	707 E
PCB-66	ng/kg	607 B	47,900 BE	6,200 E	31,400 BEJ	1,210 E [995 BEJ]	1,430 E
PCB-67	ng/kg	18.9 J	1,450	193	788 J	38 [30.7 J]	38.5
PCB-68	ng/kg	14.1 U	163	29.4	137 J	8.53 [7.64 J]	10.6
PCB-72	ng/kg	13.1 U	322	47.9	205 J	12.8 [11 J]	15.1
PCB-73	ng/kg	14.1 U	81.3	1.35 U	13.9 U	2.28 J [1.52 J]	5.52
PCB-77	ng/kg	71.5	5,380	813 E	4,250 J	183 [215 J]	180
PCB-78	ng/kg	16.1 U	16 U	2.16 J	15.9 U	1.62 U [1.59 UJ]	1.52 U
PCB-79	ng/kg	11.1 U	400	69.7	600 J	11.1 [6.93 J]	23.7
PCB-80	ng/kg	11.1 U	11 U	29.6	313 J	1.11 U [1.1 UJ]	1.04 U
PCB-81	ng/kg	18.1 U	179	26.6	126 J	6.08 [3.26 J]	5.46
PCB-82	ng/kg	86.8	8,050 E	1,090 E	12,600 EJ	161 [99.1 J]	329
PCB-83	ng/kg	45.6 J	2,500	332	4,660 J	44.7 [42.7 J]	131
PCB-84	ng/kg	182	15,900 E	1,660 E	23,000 EJ	204 [230 J]	763 E
PCB-85/116/117	ng/kg	136	11,100	1,470	16,000 J	243 [160 J]	482
PCB-86/87/97/109/119/125	ng/kg	469	42,400 E	4,980	58,100 EJ	726 [526 J]	1,860
PCB-88	ng/kg	22.1 U	21.9 U	2.12 U	21.9 U	2.22 U [2.19 UJ]	3 J
PCB-89	ng/kg	13.1 U	813	93	1,020 J	13.7 [12.4 J]	32.5
PCB-90/101/113	ng/kg	713	56,300 E	5,990 E	58,300 EJ	898 [803 BJ]	2,600 E
PCB-91	ng/kg	133	8,190 E	911 E	10,900 EJ	139 [155 J]	422
PCB-92	ng/kg	129	9,770 E	975 E	10,500 EJ	137 [151 J]	472
PCB-93/100	ng/kg	77.5 U	444	65.6	559 J	16.5 J [20.2 J]	34.1
PCB-94	ng/kg	13.1 U	291	41.5	343 J	7.98 [7.47 J]	16.5
PCB-95	ng/kg	675	53,600 E	6,020 E	67,300 EJ	747 E [R]	2,860 E
PCB-96	ng/kg	15.1 U	391	50.3	474 J	7.08 [7.53 J]	13.8
PCB-98/102	ng/kg	77.5 U	2,000	256	2,580 J	42.7 [37.4 J]	108
PCB-99	ng/kg	412	27,700 E	3,500 E	33,700 EJ	599 [439 J]	1,240 E
PCB-103	ng/kg	11.1 U	299	40.2	328 J	9.38 [11.9 J]	18.8
PCB-104	ng/kg	14.1 U	14 U	1.78 J	19.5 J	1.41 U [1.4 UJ]	1.89 J
PCB-105	ng/kg	261	22,300 E	2,490 E	31,200 EJ	484 [293 J]	834 E
PCB-106	ng/kg	17.1 U	17 U	1.64 U	16.9 U	1.72 U [1.69 UJ]	1.61 U
PCB-107	ng/kg	47.4 J	3,770	437	4,700 J	84.7 [54.1 J]	152
PCB-108/124	ng/kg	29.2 U	2,400	252	3,030 J	43.6 [28.2 J]	90
PCB-110/115	ng/kg	947	70,300 E	8,770 E	106,000 EJ	1,320 E [933 BJ]	3,700 E
PCB-111	ng/kg	14.1 U	14 U	2.18 J	13.9 U	1.41 U [1.4 UJ]	1.33 U
PCB-112	ng/kg	14.1 U	89.1	11.2	13.9 U	2.01 J [1.79 J]	3.57 J
PCB-114	ng/kg	15.1 U	1,520	147	1,630 J	30.3 [19.8 J]	48.8
PCB-118	ng/kg	710	54,500 E	5,820 E	65,000 EJ	1,150 E [747 BEJ]	2,080 E
PCB-120	ng/kg	13.1 U	72.2	13.1	94 J	3.34 J [3.11 J]	3.82 J
PCB-121	ng/kg	12.1 U	12 U	1.16 U	11.9 U	1.21 U [1.2 UJ]	1.14 U
PCB-122	ng/kg	12.1 U	719	93.8	969 J	16.6 [10 J]	29.2
PCB-123	ng/kg	17.1 U	993	123	1,250 J	25.7 [14.3 J]	41.2
PCB-126	ng/kg	16.1 U	129	21.2	406 J	4.99 J [4.33 J]	7.16
PCB-127	ng/kg	14.1 U	72.3	9.3	197 J	4.1 J [6.39 J]	4.82

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
PCB-128/166	ng/kg	143	9,900	1,030	20,500 EJ	157 [98 J]	310
PCB-129/138/163	ng/kg	946	63,200 E	6,780 E	107,000 EJ	1,050 [714 J]	2,440 E
PCB-130	ng/kg	53.1	3,770	409	6,220 EJ	1.31 U [44.1 J]	141
PCB-131	ng/kg	17.1 U	939	97.4	1,450 J	12.1 [8.75 J]	32.2
PCB-132	ng/kg	271	20,300 E	2,150 E	37,600 EJ	296 [207 J]	803 E
PCB-133	ng/kg	12.1 U	716	79.3	979 J	13.4 [11.9 J]	29.9
PCB-134	ng/kg	52.4 J	3,430	369	5,210 J	53.8 [38.5 J]	145
PCB-135/151	ng/kg	267	14,600 E	1,570 E	21,700 EJ	232 [214 J]	745
PCB-136	ng/kg	85.6	5,530	531	9,450 EJ	73.3 [76 J]	243
PCB-137	ng/kg	15.1 U	3,390	349	6,250 EJ	47.1 [32.5 J]	109
PCB-139/140	ng/kg	29.2 U	980	102	1,690 J	15.4 [12 J]	36.3
PCB-141	ng/kg	137	9,990 E	1,020 E	15,600 EJ	143 [R]	356
PCB-142	ng/kg	17.1 U	17 U	1.64 U	16.9 U	1.72 U [1.69 UJ]	1.61 U
PCB-143	ng/kg	33.2 U	96.2 J	15.8	212 J	3.33 U [3.29 UJ]	3.13 U
PCB-144	ng/kg	28.3 J	3,380	264	2,430 J	38.3 J [27.6 J]	98.6
PCB-145	ng/kg	16.1 U	21 J	1.79 J	30.1 J	1.62 U [1.59 UJ]	1.52 U
PCB-146	ng/kg	125	6,650 E	768 E	9,780 EJ	129 [R]	312
PCB-147/149	ng/kg	633	36,100 E	4,150 E	57,600 EJ	620 [477 J]	1,910 E
PCB-148	ng/kg	40.3 U	39.9 U	5.77	70.5 J	4.04 U [1.4 UJ]	3.8 U
PCB-150	ng/kg	15.1 U	69.9	7.45	124 J	1.89 J [2.34 J]	2.64 J
PCB-152	ng/kg	14.1 U	40.3 J	3.55 J	60.4 J	1.41 U [1.4 UJ]	1.92 J
PCB-153/168	ng/kg	746	41,600 E	4,680 E	63,700 EJ	775 [604 BJ]	1,790 E
PCB-154	ng/kg	49 J	417	42.2	732 J	12.1 [11.7 J]	20.1
PCB-155	ng/kg	14.1 U	26 J	8.65	108 J	5.72 [1.4 UJ]	6.29
PCB-156/157	ng/kg	95.2 J	7,020	742	11,800 J	126 [86.3 J]	197
PCB-158	ng/kg	85	6,400 E	674 E	9,900 EJ	95 [69.5 J]	221
PCB-159	ng/kg	14.1 U	304	38.9	547 J	6.78 [1.4 UJ]	17.8
PCB-160	ng/kg	63.4 U	62.8 U	6.07 U	62.7 U	6.36 U [6.28 UJ]	5.98 U
PCB-161	ng/kg	13.1 U	13 U	1.25 U	12.9 U	1.31 U [1.3 UJ]	1.23 U
PCB-162	ng/kg	13.1 U	13 U	23.2	355 J	1.31 U [3.49 J]	1.23 U
PCB-164	ng/kg	54.8	3,600	410	5,690 J	61.6 [44.7 J]	151
PCB-165	ng/kg	13.1 U	13 U	1.34 J	20.9 J	1.31 U [R]	1.23 U
PCB-167	ng/kg	32.6 J	1,990	226	3,050 J	39.6 [25.5 J]	70.9
PCB-169	ng/kg	15.1 U	15 U	1.44 U	14.9 U	1.51 U [1.49 UJ]	1.42 U
PCB-170	ng/kg	195	11,700 E	1,290 E	17,500 EJ	254 [149 J]	464
PCB-171/173	ng/kg	58.5 J	3,540	404	5,000 J	68.6 [R]	152
PCB-172	ng/kg	38.2 J	1,970	230	2,770 J	42.9 [27.3 J]	95.9
PCB-174	ng/kg	190	10,100 E	1,200 E	16,400 EJ	197 [R]	541
PCB-175	ng/kg	14.1 U	474	55.3	696 J	9.25 [R]	24.5
PCB-176	ng/kg	24.2 J	1,230	142	1,960 J	23.5 [21 J]	68
PCB-177	ng/kg	127	6,070 E	714 E	8,830 EJ	135 [R]	315
PCB-178	ng/kg	14.1 U	2,100	250	3,130 J	48.8 [38.6 J]	125
PCB-179	ng/kg	88.6	3,880	457	6,320 EJ	83.6 [64.6 J]	240
PCB-180/193	ng/kg	505	24,200 E	2,820 E	37,400 EJ	582 [338 J]	1,100
PCB-181	ng/kg	13.1 U	137	14.3	193 J	2.3 J [R]	1.23 U
PCB-182	ng/kg	13.1 U	13 U	5.52	122 J	1.33 J [R]	2.76 J
PCB-183/185	ng/kg	165	7,610	916	11,700 J	161 [108 J]	405
PCB-184	ng/kg	14.1 U	14 U	1.35 U	20.5 J	1.41 U [1.4 UJ]	1.33 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
PCB-186	ng/kg	15.1 U	15 U	1.44 U	14.9 U	1.51 U [1.49 UJ]	1.42 U
PCB-187	ng/kg	419	14,300 E	1,650 E	22,300 EJ	332 [258 J]	810 E
PCB-188	ng/kg	15.1 U	25.9 J	2.75 J	42.5 J	1.51 U [1.49 UJ]	2.29 J
PCB-189	ng/kg	13.1 U	419	45.3	594 J	9.2 [1.3 UJ]	16.6
PCB-190	ng/kg	41.7 J	2,360	264	3,300 J	52.2 [32 J]	96.6
PCB-191	ng/kg	13.1 U	443	53.4	600 J	9.25 [6.75 J]	19.2
PCB-192	ng/kg	13.1 U	13 U	1.25 U	12.9 U	1.31 U [1.3 UJ]	1.23 U
PCB-194	ng/kg	162	4,720	563	8,140 J	133 [88.4 J]	244
PCB-195	ng/kg	44.3 J	1,760	211	3,290 J	47.3 [27.6 J]	105
PCB-196	ng/kg	91.9	2,680	298	4,800 J	65.5 [49.2 J]	136
PCB-197/200	ng/kg	43.3 U	768	96.2	1,440 J	17.9 [R]	50.1
PCB-198/199	ng/kg	342	6,630	764	10,700 J	177 [145 J]	359
PCB-201	ng/kg	34.6 J	651	84.6	1,210 J	19.3 [16.2 J]	45
PCB-202	ng/kg	139	1,600	188	1,940 J	52.7 [44.9 J]	93.5
PCB-203	ng/kg	208	4,480	468	6,180 J	112 [86.3 J]	210
PCB-204	ng/kg	21.1 U	20.9 U	2.02 U	20.9 U	2.12 U [2.09 UJ]	1.99 U
PCB-205	ng/kg	15.1 U	226	27	382 J	6.17 [4.41 J]	12.5
PCB-206	ng/kg	438	4,370	492	3,460 J	132 [114 J]	174
PCB-207	ng/kg	28.9 J	353	47.8	360 J	11.7 [9.68 J]	18.7
PCB-208	ng/kg	170	1,480	170	881 J	48.6 [45.5 J]	58.2
PCB-209	ng/kg	366	3,840	502	4,740 J	120 [83.9 J]	139
Total PCB Congeners (209)	ng/kg	20,900 J	1,540,000 J	192,000 J	1,470,000 J	30,100 J [25,300 J]	52,800 J
Aroclor PCBs							
Aroclor-1016	ug/kg	4.6 U	5.1 U	7.1 U	5.3 U	4.4 U [4.4 U]	4.6 U
Aroclor-1221	ug/kg	5.9 U	6.6 U	9 U	6.8 U	5.6 U [5.6 U]	5.9 U
Aroclor-1232	ug/kg	10 U	11 U	16 U	12 U	9.7 U [9.8 U]	10 U
Aroclor-1242	ug/kg	4.3 U	4.7 U	6.5 U	4.9 U	4 U [4 U]	4.2 U
Aroclor-1248	ug/kg	16 J	170	280 PJ	200 J	32 PJN [23 PJN]	4.2 U
Aroclor-1254	ug/kg	27	240	6.5 U	220 PJ	23 PJ [17 J]	28
Aroclor-1260	ug/kg	13 J	81	70 PJN	7.3 U	6 U [6 U]	6.2 U
Aroclor-1262	ug/kg	4.3 U	4.7 U	6.5 U	4.9 U	4 U [4 U]	4.2 U
Aroclor-1268	ug/kg	4.3 U	4.7 U	6.5 U	4.9 U	4 U [4 U]	4.2 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	56 J	490	350 PJ	420 PJ	55 PJ [40 PJ]	28
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	56 J	490	350 PJ	420 PJ	55 PJ [40 PJ]	28
Pesticides							
2,4'-DDD	pg/g	931	15,200	62,400 D	16,900 J	1,110 [1,050]	1,020
2,4'-DDE	pg/g	558 JD	17,300	54,100 D	11,900 DJ	1,440 [1,530]	614
2,4'-DDT	pg/g	64.3 J	509	21,700	816 J	81.8 U [69.2 U]	24.2 U
4,4'-DDD	pg/g	2,380	29,900	157,000 D	65,300 DJ	3,400 J [4,110]	2,290
4,4'-DDE	pg/g	2,750	71,600 E	190,000 D	42,900 DJ	3,920 [4,370]	2,050
4,4'-DDT	pg/g	290 J	12,700	53,500 D	5,700 J	171 J [640 J]	1,650
Aldrin	pg/g	10.1 UD	838 JD	771 UD	10.1 UD	409 UD [346 UD]	10.1 UD
Alpha-BHC	pg/g	7.68 U	64.5	596	127 J	19.1 J [34.6 U]	7.68 U
Alpha-Chlordane	pg/g	5,520 D	4,610	9,290	3,880 DJ	247 [244]	237 JD
Beta-BHC	pg/g	14.2 U	14.2 U	707 B	280 J	40.9 U [34.6 U]	14.2 U
cis-Nonachlor	pg/g	908	1,400	2,540	885 J	89.1 [75.3]	90.5
Delta-BHC	pg/g	12.2 U	12.2 U	38.6 U	12.2 U	40.9 U [34.6 U]	12.2 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
Dieldrin	pg/g	1,000	15,400	20,900 D	1,570 DJ	144 [135]	120
Endosulfan I	pg/g	56 U	56 U	386 U	56 U	409 U [346 U]	56 U
Endosulfan II	pg/g	120 U	120 U	386 U	233 J	409 U [346 U]	120 U
Endosulfan Sulfate	pg/g	83.1 U	83.1 U	386 U	83.1 U	409 U [346 U]	83.1 U
Endrin	pg/g	14.8 U	14.8 U	77.1 U	14.8 U	81.8 U [69.2 U]	14.8 U
Endrin Aldehyde	pg/g	230 U	230 U	386 U	230 U	409 U [346 U]	230 U
Endrin Ketone	pg/g	132 U	132 U	386 U	132 U	409 U [346 U]	132 U
Gamma-BHC (Lindane)	pg/g	7.69 U	7.69 U	217	39.5 J	40.9 U [34.6 U]	7.69 U
Heptachlor	pg/g	35.9 J	22 U	3,860 UD	29.5 J	204 U [173 U]	22 U
Heptachlor Epoxide	pg/g	354	19.1 U	1,170	634 J	40.9 U [34.6 U]	19.1 U
Hexachlorobenzene	pg/g	201 B	6,650 B	24,800 BD	1,540 BJ	167 B [170 B]	282 B
Methoxychlor	pg/g	82.9 U	82.9 UD	3,860 UD	82.9 UD	409 U [346 U]	82.9 UD
Mirex	pg/g	9.87 U	9.87 U	38.6 U	9.87 U	40.9 U [34.6 U]	9.87 U
Nonachlor, trans-	pg/g	3,540 D	2,710	4,550	2,770 DJ	150 [153]	17.5 UD
Oxychlordane	pg/g	76.6	8.66 U	38.6 U	8.66 U	40.9 U [34.6 U]	8.66 U
trans-Chlordane	pg/g	5,630	9,730	12,700 D	3,370 J	281 [292]	264
trans-Heptachlor Epoxide	pg/g	734	56.7 U	1,080	56.7 U	81.8 U [69.2 U]	56.7 U
Total Alpha + Gamma Chlordane	ppb	11 D	14	22 D	7.3 DJ	0.53 [0.54]	0.5 DJ
Total DDT (2,4)	ppb	1.6 DJ	33	140 D	30 DJ	2.6 [2.6]	1.6
Total DDT (4,4)	ppb	5.4 J	110	400 D	110 DJ	7.5 J [9.1 J]	6
Total DDT (2,4 & 4,4)	ppb	7 DJ	150	540 D	140 DJ	10 J [12 J]	7.6
Semivolatiles							
1,2,4,5-Tetrachlorobenzene	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
1,2-Diphenylhydrazine	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
1-Methylnaphthalene	ug/kg	14	16	49	200 J	9 [11]	5
2,2'-oxybis(1-Chloropropane)	ug/kg	21 U	24 U	33 UJ	25 U	21 U [21 U]	21 U
2,3,4,6-Tetrachlorophenol	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
2,4,5-Trichlorophenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2,4,6-Trichlorophenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2,4-Dichlorophenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2,4-Dimethylphenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2,4-Dinitrophenol	ug/kg	390 U	430 U	590 UJ	450 U	370 U [370 U]	380 U
2,4-Dinitrotoluene	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
2,6-Dinitrotoluene	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2-Chloronaphthalene	ug/kg	9 U	10 U	14 U	10 U	9 U [9 U]	9 U
2-Chlorophenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2-Methylnaphthalene	ug/kg	13	33	74	270 J	16 [20]	6
2-Methylphenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2-Nitroaniline	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
2-Nitrophenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
3,3'-Dichlorobenzidine	ug/kg	130 U	140 U	200 U	150 U	120 U [120 U]	130 U
3-Nitroaniline	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
4,6-Dinitro-2-methylphenol	ug/kg	210 U	240 U	330 U	250 U	210 U [210 U]	210 U
4-Bromophenyl phenyl ether	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
4-Chloro-3-Methylphenol	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
4-Chloroaniline	ug/kg	21 U	24 U	89	25 U	21 U [21 U]	21 U
4-Chlorophenyl phenyl ether	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
4-Methylphenol	ug/kg	21 U	200	190	88	31 J [21 U]	21 U
4-Nitroaniline	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
4-Nitrophenol	ug/kg	210 U	240 U	330 U	250 UJ	210 U [210 U]	210 U
Acenaphthene	ug/kg	22	22	100	130 J	10 [12]	6
Acenaphthylene	ug/kg	16	37	120	170 J	23 [26]	13
Acetophenone	ug/kg	21 U	24 U	59 J	470	21 U [21 U]	22 J
Anthracene	ug/kg	59	100	390	360 J	36 J [79 J]	18
Atrazine	ug/kg	43 U	48 U	65 U	49 U	41 U [42 U]	42 U
Benzaldehyde	ug/kg	86 U	95 U	180 J	210 J	82 U [83 U]	85 U
Benzidine	ug/kg	900 U	1,000 U	1,400 U	1,000 U	860 U [870 U]	890 U
Benzo(a)anthracene	ug/kg	170	200	1,200	1,500 J	95 J [150]	51
Benzo(a)pyrene	ug/kg	170	200	1,100	1,600 J	270 J [180]	70
Benzo(b)fluoranthene	ug/kg	160	220	1,100	1,700 J	210 [180]	83
Benzo(e)pyrene	ug/kg	130	160	810	1,200 J	250 J [120 J]	57
Benzo(g,h,i)perylene	ug/kg	120	130	700	1,000 J	170 J [110]	56
Benzo(j,k)fluoranthene	ug/kg	150	140	940	1,200 J	130 J [140]	55
Benzoic Acid	ug/kg	210 U	240 U	330 U	440 J	210 U [210 U]	210 U
Biphenyl	ug/kg	21 U	63	65 J	65	21 U [21 U]	21 U
bis(2-Chloroethoxy)methane	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
bis(2-Chloroethyl)ether	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
bis(2-Ethylhexyl)phthalate	ug/kg	98 J	5,700	1,300 J	1,300	99 J [160 J]	130 J
Butyl benzyl phthalate	ug/kg	86 U	95 U	130 U	140 J	82 U [83 U]	85 U
C1-Chrysenes	ug/kg	130	290	820	950	470 J [120 J]	60
C1-Fluoranthenes/Pyrenes	ug/kg	220	500	1,000	1,300	250 [200]	74
C1-Fluorenes	ug/kg	20	56	78	120	17 [21]	7
C1-Naphthalenes	ug/kg	13	30	82	310	17 [23]	9
C1-Phenanthrenes/Anthracenes	ug/kg	170	260	730	860	63 [92]	29
C2-Chrysenes	ug/kg	81	260	360	530	400 J [75 J]	47
C2-Fluoranthenes/Pyrenes	ug/kg	140	410	550	860	200 J [110 J]	59
C2-Fluorenes	ug/kg	21	140	97	170	21 [20]	8
C2-Naphthalenes	ug/kg	26	68	120	320	34 [36]	10
C2-Phenanthrene/anthracenes	ug/kg	120	590	520	700	82 [85]	36
C3-Chrysenes	ug/kg	43	150	170	250	160 J [37 J]	25
C3-Fluoranthenes/Pyrenes	ug/kg	85	370	260	470	170 J [71 J]	43
C3-Fluorenes	ug/kg	0.9 U	290	13 U	1 U	0.8 U [0.8 U]	0.8 U
C3-Naphthalene	ug/kg	31	380	130	340	24 [31]	10
C3-Phenanthrene/anthracenes	ug/kg	83	640	290	390	60 [53]	33
C4-Chrysenes	ug/kg	31	100	13 U	2 J	0.8 U [27]	0.8 U
C4-Naphthalene	ug/kg	27	650	120	200	19 [27]	14
C4-Phenanthrenes/anthracenes	ug/kg	0.9 U	440	13 U	1 U	0.8 U [0.8 U]	0.8 U
Caprolactam	ug/kg	43 U	48 U	65 U	49 U	41 U [42 U]	42 U
Carbazole	ug/kg	21 U	24 U	400	140	28 J [21 U]	21 U
Chrysene	ug/kg	200	210	1,200	1,700 J	120 J [170]	65
Dibenzo(a,h)anthracene	ug/kg	38	3	230	260 J	82 [33 J]	14
Dibenzofuran	ug/kg	21 U	78	330	130	25 J [21 U]	21 U
Diethyl phthalate	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
Dimethylphthalate	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
Di-n-Butylphthalate	ug/kg	86 U	95 U	130 U	99 UJ	82 U [83 U]	85 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
Di-n-Octylphthalate	ug/kg	86 U	95 U	130 UJ	99 U	82 U [83 U]	85 U
Fluoranthene	ug/kg	480	560	2,200	2,900 J	140 J [250 J]	84
Fluorene	ug/kg	27	25	150	130 J	13 [16]	7
Hexachlorobutadiene	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
Hexachlorocyclopentadiene	ug/kg	210 U	240 U	330 U	250 U	210 U [210 U]	210 U
Hexachloroethane	ug/kg	43 U	48 U	65 U	49 U	41 U [42 U]	42 U
Indeno(1,2,3-cd)pyrene	ug/kg	100	3	830	1,200 J	150 J [120]	57
Isophorone	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
Naphthalene	ug/kg	24	54	130	320 J	34 [42]	10
Nitrobenzene	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
N-Nitroso-di-n-propylamine	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
N-Nitrosodiphenylamine	ug/kg	21 U	24 U	33 U	25 U	21 U [21 U]	21 U
Pentachlorophenol	ug/kg	43 U	48 U	65 U	49 U	41 U [42 U]	42 U
Perylene	ug/kg	44	56	290	300 J	40 [50]	22
Phenanthrene	ug/kg	280	210	1,400	1,800 J	77 J [130 J]	36
Phenol	ug/kg	21 U	24 U	33 U	150	21 U [21 U]	21 U
Pyrene	ug/kg	310	390	2,100	2,700 J	190 [250]	83
Pyridine	ug/kg	86 U	95 U	130 U	99 U	82 U [83 U]	85 U
Total HMW PAHs	ppb	1,900	2,100	12,000	16,000 J	1,600 J [1,600 J]	620
Total LMW PAHs	ppb	440	480	2,400	3,200 J	210 J [330 J]	96
TOTAL PAHs	ppb	2,300	2,500	14,000	19,000 J	1,800 J [1,900 J]	710
Volatiles							
1,2,4-Trichlorobenzene	ug/kg	1 U	1 U	3 U	1 UJ	1 U [2 U]	1 U
1,2-Dichlorobenzene	ug/kg	1 U	1 U	3 U	1 UJ	1 U [2 U]	1 U
1,3-Dichlorobenzene	ug/kg	1 U	1 U	3 U	1 UJ	1 U [2 U]	1 U
1,4-Dichlorobenzene	ug/kg	1 U	1 U	3 U	1 UJ	1 U [2 U]	1 U
TPH							
PHC AS GASOLINE	mg/kg	2.5 U	3 U	12 J	0.3 U	2.3 J [3.7 U]	3 U
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	129	1,230	527	388	51.9 [55.5]	59.8
Grain Size							
75000 um	% passing	100	100	100	100	100 [100]	100
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	100	100	100	100	100 [100]	100
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	100	100	100	100	99.1 [100]	100
SIEVE NO. 4, PERCENT PASSING	% passing	98	98.9	96.8	93.1	86.2 [87.1]	93
3.35 mm	% passing	97.6	98.1	96.5	87.4	86.1 [86.9]	93
SIEVE, NO. 8, PERCENT PASSING	% passing	97	97.4	93	81.4	77.1 [78.7]	90.3
SIEVE, NO. 16, PERCENT PASSING	% passing	95.5	96	81.5	76.9	70.6 [71.5]	88.5
SIEVE, NO. 30, PERCENT PASSING	% passing	92.6	92.8	68.9	71.4	63.4 [62.7]	83.5
0.3 mm	% passing	67.1	77.8	60.9	61.8	53.2 [51.1]	51.7
SIEVE, NO. 100, PERCENT PASSING	% passing	29.4	57.4	55.9	46.2	41.5 [39.5]	20.2
SIEVE NO. 200, PERCENT PASSING	% passing	9.4	40.2	51.3	30.1	25.3 [22.4]	8.6
0.064 mm	% passing	7	37	50	26	23 [20]	6.5
0.05 mm	% passing	4	30	48	18.5	20 [18]	4.5
0.02 mm	% passing	2.5	19.5	39	7	15 [12]	1.5
0.002 mm	% passing	1.5	3	9	0.5	8 [6]	0.5 U
0.001 mm	% passing	0.5 U	0.5	5	0.5	6 [4]	0.5 U
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	2.5	7.5	16	1	11 [7]	0.5 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED127ACL 09/24/14 NB03SED127A	NB03SED127BCL 09/24/14 NB03SED127B	NB03SED129CL 09/08/14 NB03SED129	NB03SED130CL 09/16/14 NB03SED130	NB03SED131ACL 09/11/14 NB03SED131A	NB03SED131BCL 09/15/14 NB03SED131B
Physical Properties[1]							
MOISTURE (WATER)CONTENT	%	21.2	28.2	52.2	27.3	21.8 [28.9]	27
Oxidation Reduction Potential	mV	257	185	12 J	28	113 J [66.5 J]	39.5
Percent Moisture	%	22.4	29.9	49.1	32.6	19 [19.8]	21.4
pH	pH Units	7.74	7.88	7.44	7.94	7.88 [7.87]	7.92
TOC by Lloyd Kahn	mg/kg	2,590	12,000	48,500	19,700	13,000 [4,810]	1,160
Total Solids (Percent)	%	78.2 Z	72.1 Z	47.6 Z	68.4 Z	79.3 Z [78.9 Z]	78.5 Z
Water Content	%	26.9	39.3	109	37.5	27.9 [40.7]	37
Water Content ASTM D2216	%	28.9	42.7	96.3	48.3	23.5 [24.7]	27.2
Miscellaneous Chemicals							
Ammonia Nitrogen	mg/kg	548 U	606 U	167 U	241 B	105 U [106 U]	108 U
Phosphorus	mg/kg	226	422	1,270 J+	484	421 [382]	155
Total Cyanide	mg/kg	0.23 U	0.25 U	0.35 U	0.26 U	0.22 U [0.22 U]	0.23 U
Total Kjeldahl Nitrogen (TKN)	mg/kg	59.7 U	311	3,750	778	1,200 [59.9 U]	74.3 B
AVS/SEM							
Acid Volatile Sulfide (AVS)	umol/g	4.6	2.2	3.2	5 J-	6.9 [1.8 B]	4.3
Cadmium	umol/g	0.0016	0.00771	0.0189	0.00323	0.00197 [0.00162]	0.000957 B
Copper	umol/g	0.101	0.478	1.4	0.257 J-	0.117 [0.109]	0.0636
Lead	umol/g	0.095	0.264	1.61	0.195	0.0928 [0.0696]	0.0557
Mercury	umol/g	0.0000073 U	0.0000073 U	0.0000072 U	0.0000074 U	0.0000073 U [0.0000073 U]	0.0000075 U
Nickel	umol/g	0.116	0.0842	0.131	0.0471	0.0343 [0.0215]	0.0177
Zinc	umol/g	0.657	1.25	9.21	1.16	0.488 [0.436]	0.378

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
Dioxins/Furans						
1,2,3,4,6,7,8-HpCDD	ng/kg	132 B	8.68	85.2	393 B	97.4 B
1,2,3,4,6,7,8-HpCDF	ng/kg	165 B	7.1 B	268 B	823 B	52.6 B
1,2,3,4,7,8,9-HpCDF	ng/kg	5.58	0.0365 UJ	6.85 B	11.6 B	4.43 JB
1,2,3,4,7,8-HxCDD	ng/kg	1.78 J	0.0561 UJ	1.99 JB	4.5 J	1.32 JQ
1,2,3,4,7,8-HxCDF	ng/kg	38.4 BC	2.06 JB	59.3 BC	R	11.8
1,2,3,6,7,8-HxCDD	ng/kg	9.08	0.572 JBQ	6.21 B	20.5	7.24 B
1,2,3,6,7,8-HxCDF	ng/kg	10.4 C	0.767 J	14 J	11.8 BC	6.97 B
1,2,3,7,8,9-HxCDD	ng/kg	5.06 QJ	0.373 JB	3.67 JB	10.3 B	3.29 JB
1,2,3,7,8,9-HxCDF	ng/kg	1.97 J	0.0429 U	0.131 U	0.205 U	0.471 UJ
1,2,3,7,8-PeCDD	ng/kg	2.19 J	0.166 JQ	2.94 JQ	4.74 J	2.21 JB
1,2,3,7,8-PeCDF	ng/kg	4.38 JB	0.576 JB	6.44 B	7.35	5.85 B
2,3,4,6,7,8-HxCDF	ng/kg	NA	0.514 JB	5.32 J	12.1 BC	4.44 J
2,3,4,7,8-PeCDF	ng/kg	8.65 C	0.718 JBQ	10.2 JB	10.6 BC	11.1 B
2,3,7,8-TCDD	ng/kg	84.5	2.18 B	97.1 B	12.8	12.3 B
2,3,7,8-TCDF	ng/kg	6.38 C	0.589 J	6.04 J	13.4 C	13
OCDD	ng/kg	1,170 B	76 B	956 B	NA	848 B
OCDF	ng/kg	249 B	9.7 JB	392 B	505 B	118 B
Herbicides						
2,4,5-T	ug/kg	1.1 U	1 U	1.2 U	1.7 U	1.2 U
2,4,5-TP (Silvex)	ug/kg	1 U	0.92 U	1.1 U	1.6 U	1.1 U
2,4-D	ug/kg	16 U	15 U	17 U	45 J	18 U
2,4-DB	ug/kg	8.4 U	7.6 U	8.9 U	13 U	9.3 U
Metals						
Aluminum	mg/kg	8,840	2,610	8,330	16,300 J	7,290
Antimony	mg/kg	0.367	0.102 U	0.959	5.52 J	0.634
Arsenic	mg/kg	9.17	1.18	15.4	69.5 J	6.5
Barium	mg/kg	108	14.4	124	384 J	99.9
Beryllium	mg/kg	0.621	0.161	0.551	3.12 J	0.479
Cadmium	mg/kg	1.89	0.0858 B	0.701	2.67 J	0.652
Calcium	mg/kg	5,780	905	3,210	11,100 J	3,000
Chromium	mg/kg	90.8	9.1	80.7	152 J	36.7
Cobalt	mg/kg	8.48	1.96	6.63	37.4 J	4.12
Copper	mg/kg	86.2	9.14	135	432 J	133
Hexavalent Chromium	mg/kg	R	0.62 U	0.73 U	1.1 U	R
Iron	mg/kg	15,500	5,130	20,600	86,000	15,100
Lead	mg/kg	90.1	10.6	254	1,160 J	84
Magnesium	mg/kg	5,110	1,400	4,040	8,260 J	3,210
Manganese	mg/kg	221	42.5	193	520	179
Mercury	ng/g	935	54.6	3,700	1,600	1,420
Methyl Mercury	ng/g	0.598	0.065 JL	0.52	0.485	1.1
Nickel	mg/kg	31.3	5.89	24.1	124 J	19.9
Potassium	mg/kg	1,620	670	2,080	3,310 J	1,380
Selenium	mg/kg	0.405 B	0.121 U	0.828	2.51 J	0.638
Silver	mg/kg	1.49	0.0759 B	1.31	1.31 J	0.524
Sodium	mg/kg	3,340	2,500	4,580	13,700 J-	4,080
Thallium	mg/kg	0.169	0.0363 U	0.156	0.302 J	0.133 B

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
Titanium	mg/kg	277	133	323	390 J+	362
Vanadium	mg/kg	25.3	8.3	27.5	80.1 J-	18.6
Zinc	mg/kg	195	35.2	199	6,810 J	266
TEPH Alkanes						
2,6,10,14-Tetramethyl Pentadecane	mg/kg	0.0468 U	0.021 U	0.0685 J	0.361 U	0.26 J
2,6,10,14-Tetramethylhexadecane	mg/kg	0.0426 J	0.0136 U	0.0908 J	0.234 U	0.222 J
Dotriacontane	mg/kg	0.161	0.016 U	0.17	1.04	1.37
Heneicosane	mg/kg	0.0453 J	0.0327 J	0.0321 U	0.234 U	0.378 J
Heptacosane	mg/kg	0.088 U	0.0395 U	0.151 J	0.679 U	0.479 U
Heptadecane	mg/kg	0.138	0.0222 U	0.104	0.642 J	0.269 U
Heptatriacontane, -n	mg/kg	0.0303 UJ	0.0136 UJ	0.0774 J	0.258 J	0.165 UJ
Hexatriacontane	mg/kg	0.0303 UJ	0.0136 UJ	0.0321 UJ	0.234 UJ	0.165 UJ
Hhentriacontane	mg/kg	0.204	0.0655	0.0473 U	0.344 U	2.74
n-Decane	mg/kg	0.0407 U	0.0182 U	0.0432 U	0.314 U	0.222 U
n-Docosane	mg/kg	0.0303 U	0.0136 U	0.734	1.08	0.165 U
n-Dodecane	mg/kg	0.0303 U	0.0136 U	0.0455 J	0.234 U	0.165 U
n-Eicosane	mg/kg	0.033 U	0.0148 U	0.0655 J	0.275 J	0.18 U
n-Hexacosane	mg/kg	0.0523 U	0.0234 U	0.0555 U	0.403 U	0.284 U
n-Hexadecane	mg/kg	0.0434 J	0.0136 U	0.272	0.442 J	0.419 J
n-Nonane	mg/kg	0.0303 UJ	0.0136 UJ	0.0321 UJ	0.234 UJ	0.165 UJ
n-Octacosane	mg/kg	0.286	0.0136 U	1.76	4.25	4.03
n-Octadecane	mg/kg	0.0413 U	0.0185 U	0.0975	0.318 U	0.293 J
Nonacosane	mg/kg	0.101	0.0628	0.696	2.25	0.517
Nonadecane	mg/kg	0.108	0.0197 U	0.235	0.578 J	0.723
Nonatriacontane	mg/kg	0.055 UJ	0.0247 UJ	0.13 J	0.425 UJ	0.382 J
n-Tetracosane	mg/kg	0.0303 U	0.0136 U	0.0976	0.234 U	0.165 U
n-Tetradecane	mg/kg	0.0385 U	0.0173 U	0.0409 U	0.297 U	0.21 U
n-Triacontane	mg/kg	0.301	0.0981	0.059 U	2.44	0.302 U
n-Tridecane	mg/kg	0.0303 U	0.0136 U	0.0321 U	0.234 U	0.312 J
n-Undecane	mg/kg	0.0556 U	0.0249 U	0.059 U	0.429 U	0.302 U
Octatriacontane	mg/kg	0.0413 UJ	0.0185 UJ	0.0492 J	0.318 UJ	0.225 UJ
Pentacosane	mg/kg	0.0303 U	0.0472	0.0329 J	0.234 U	0.165 U
Pentadecane	mg/kg	0.0303 U	0.0136 U	0.151	0.708	0.407 J
Pentatriacontane	mg/kg	0.0729 J	0.0136 UJ	0.134 J	0.255 J	0.165 UJ
Tetracontane	mg/kg	0.0589 J	0.0183 J	0.134 J	0.384 J	0.165 UJ
Tetratriacontane	mg/kg	0.123 J	0.016 UJ	0.05 J	0.276 UJ	0.195 UJ
Tricosane	mg/kg	0.0385 U	0.0173 U	0.337	1.06	0.75
Tritriacontane	mg/kg	0.0605 UJ	0.0271 U	0.0642 U	1.04 J	0.329 U
Butyltins						
Dibutyltin	ug/kg	7.1	1.6 U	1.8 U	4.9	4.1
Monobutyltin	ug/kg	30 UCN	25 UCN	29 UCN	40 UCN	29 UCN
Tetrabutyltin	ug/kg	2.4 U	2.1 U	2.3 U	3.3 U	2.4 U
Tributyltin	ug/kg	5.8	1.8 U	2.1 U	2.9 U	2.8 P
PCB Congeners						
PCB-1	ng/kg	55.4 B	29.6	116	117	936 B
PCB-2	ng/kg	58.8	9.81 JB	43.5 B	30.8 B	212
PCB-3	ng/kg	76.3	17.5 JB	77.7 B	107 B	783 B

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
PCB-4	ng/kg	554 E	114 B	314 B	372 B	17,500 BE
PCB-5	ng/kg	12.5	7.89 U	8.11 U	11.6 J	150
PCB-6	ng/kg	115	63.7 B	145 B	129 B	16,900 BE
PCB-7	ng/kg	0.765 U	7.89 U	8.11 U	7.97 U	448 B
PCB-8	ng/kg	810 BE	171 B	570 B	601 B	15,500 BE
PCB-9	ng/kg	44.8	6.91 U	26.2 B	30.2 B	626
PCB-10	ng/kg	21.6	12.8 U	30 J	36.2 J	558
PCB-11	ng/kg	1,060 BE	231 B	601 B	497 B	2,670 B
PCB-12/13	ng/kg	215	38.4 J	160	144	7,580 E
PCB-14	ng/kg	1.74 J	7.89 U	8.11 U	7.97 U	7.78 U
PCB-15	ng/kg	933 E	184 B	859 B	775 B	28,300 BE
PCB-16	ng/kg	1,070 E	113 B	393 B	625 B	12,100 BE
PCB-17	ng/kg	1,150 E	181 B	560 B	733 B	24,600 BE
PCB-18/30	ng/kg	2,120 E	283 B	923 B	1,310 B	40,500 BE
PCB-19	ng/kg	292 E	101	161	253	14,300 BE
PCB-20/28	ng/kg	4,470 E	802 B	2,980 B	3,060 B	204,000 BE
PCB-21/33	ng/kg	1,650 E	138	667	789	20,400 BE
PCB-22	ng/kg	1,430 E	188 B	714 B	837 B	48,200 BE
PCB-23	ng/kg	2.82	6.91 U	7.1 U	6.98 U	37.6
PCB-24	ng/kg	26.9	9.86 U	12.5 J	17.3 J	428
PCB-25	ng/kg	351 E	93	315	286	31,500 E
PCB-26/29	ng/kg	652 E	142	497	460	40,100 E
PCB-27	ng/kg	180	61.5	138	197	10,900 E
PCB-31	ng/kg	3,110 E	500 B	2,110 B	2,200 B	79,500 BE
PCB-32	ng/kg	784 E	195 B	444 B	609 B	28,100 BE
PCB-34	ng/kg	18.6	6.91 U	13.4 J	11.6 J	817
PCB-35	ng/kg	125	28.4	114	84	3,050 E
PCB-36	ng/kg	2.54	7.89 U	8.11 U	7.97 U	32.3
PCB-37	ng/kg	1,120 E	190	900	835	55,200 E
PCB-38	ng/kg	1.71 J	6.91 U	7.1 U	6.98 U	79.7
PCB-39	ng/kg	23.9	7.89 U	15.2 J	15.7 J	772
PCB-40/71	ng/kg	1,500 E	375	1,060	1,690	69,200 E
PCB-41	ng/kg	207	41.4 U	105	157	7,430 E
PCB-42	ng/kg	1,070 E	268	734	1,110	47,400 E
PCB-43	ng/kg	149	34.4 J	14.2 U	147	5,190
PCB-44/47/65	ng/kg	3,140 E	885 B	2,680 B	3,350 B	155,000 E
PCB-45	ng/kg	414	125	289	522	19,600 E
PCB-46	ng/kg	173	51.1	129	230	7,400 E
PCB-48	ng/kg	674 E	120	384	507	20,200 E
PCB-49/69	ng/kg	2,170 E	648 B	1,730 B	2,360 B	115,000 E
PCB-50/53	ng/kg	418	166	391	651	22,100 E
PCB-51	ng/kg	133	77.1	235	198	5,350
PCB-52	ng/kg	3,240 E	870 B	2,490 B	3,960 B	145,000 E
PCB-54	ng/kg	17.1	13.8 U	26.4 J	26.3 J	581
PCB-55	ng/kg	34.9	11.8 U	26.6 J	28.8 J	2,210
PCB-56	ng/kg	1,630 E	318	1,120	1,460	112,000 E
PCB-57	ng/kg	16.8	10.9 U	11.2 U	11 U	889
PCB-58	ng/kg	7.88	13.8 U	14.2 U	14 U	419

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
PCB-60	ng/kg	619 E	129	455	604	46,900 E
PCB-61/70/74/76	ng/kg	5,410 E	1,010	3,700	4,990	290,000 E
PCB-62/75	ng/kg	290	80.6 J	230	357	15,300
PCB-63	ng/kg	128	27.4 J	87.8	116	6,840 E
PCB-64	ng/kg	1,570 E	374 B	990 B	1,580 B	82,800 E
PCB-66	ng/kg	2,940 E	658 B	2,320 B	2,980 B	226,000 E
PCB-67	ng/kg	97.8	21.1 J	71.1	91	5,970 E
PCB-68	ng/kg	16.9	13.8 U	21.7 J	25.1 J	817
PCB-72	ng/kg	27.3	12.8 U	25.2 J	36.1 J	1,370
PCB-73	ng/kg	1.34 U	13.8 U	14.2 U	14 U	320
PCB-77	ng/kg	413	75.6	385	326	26,800 E
PCB-78	ng/kg	1.53 U	15.8 U	16.2 U	15.9 U	34.4 J
PCB-79	ng/kg	27.6	10.9 U	21.1 J	44.9 J	920
PCB-80	ng/kg	13	10.9 U	11.2 U	11 U	10.7 U
PCB-81	ng/kg	12.3	17.8 U	18.2 U	17.9 U	1,020
PCB-82	ng/kg	350	114	316	745	20,200 E
PCB-83	ng/kg	135	60.9 J	117	344	5,230
PCB-84	ng/kg	621 E	296	622	1,960	27,600 E
PCB-85/116/117	ng/kg	511	178	487	985	28,100 E
PCB-86/87/97/109/119/125	ng/kg	1,740	531	1,570	3,630	73,600 E
PCB-88	ng/kg	4.58 J	21.7 U	22.3 U	21.9 U	21.4 U
PCB-89	ng/kg	36.1	13.2 J	35.9 J	101	2,350
PCB-90/101/113	ng/kg	2,400 E	733	2,390	5,520	74,100 E
PCB-91	ng/kg	372	194	451	1,240	18,400 E
PCB-92	ng/kg	395	12.8 U	389	1,050	13,400 E
PCB-93/100	ng/kg	40.7	76 U	87.2 J	150 J	1,370
PCB-94	ng/kg	18.6	12.8 U	27.1 J	50.2	859
PCB-95	ng/kg	2,220 E	901	2,460	7,470 E	65,600 E
PCB-96	ng/kg	19	14.8 U	23.5 J	55.1	1,220
PCB-98/102	ng/kg	104	76 U	139 J	307	6,030
PCB-99	ng/kg	1,330 E	431	1,420	3,030	55,100 E
PCB-103	ng/kg	23.1	10.9 U	39.5 J	85.5	732
PCB-104	ng/kg	3.29 J	13.8 U	14.2 U	14 U	36.4 J
PCB-105	ng/kg	1,020 E	261	840	1,610	55,000 E
PCB-106	ng/kg	1.63 U	16.8 U	17.2 U	16.9 U	16.5 U
PCB-107	ng/kg	191	52.9	170	312	8,010 E
PCB-108/124	ng/kg	104	28.6 U	89.4 J	178	4,450
PCB-110/115	ng/kg	3,100 E	1,940	3,620	8,350	118,000 E
PCB-111	ng/kg	1.34 U	13.8 U	14.2 U	14 U	13.6 U
PCB-112	ng/kg	4 J	13.8 U	14.2 U	14 U	365
PCB-114	ng/kg	65.2	14.8 U	44.1 J	86.5	3,770
PCB-118	ng/kg	2,480 E	656	2,170	4,400	107,000 E
PCB-120	ng/kg	6.02	12.8 U	13.2 U	17.4 J	181
PCB-121	ng/kg	1.15 U	11.8 U	12.2 U	12 U	11.7 U
PCB-122	ng/kg	35.8	11.8 U	31.9 J	66.1	2,350
PCB-123	ng/kg	50	16.8 U	17.2 U	105	3,390
PCB-126	ng/kg	9.83	15.8 U	16.2 U	20 J	547
PCB-127	ng/kg	1.34 U	13.8 U	14.2 U	19.6 J	63.8 J

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
PCB-128/166	ng/kg	371	390	580	1,380	7,930
PCB-129/138/163	ng/kg	2,780 E	2,830	4,340	11,600	44,000 E
PCB-130	ng/kg	152	163	252	575	3,010
PCB-131	ng/kg	33.8	16.8 U	43.5 J	115	698
PCB-132	ng/kg	829 E	894	1,350	3,560	14,200 E
PCB-133	ng/kg	32.1	36.1 J	68.8	144	479
PCB-134	ng/kg	147	137	228	565	2,340
PCB-135/151	ng/kg	685	825	1,410	3,720	9,330
PCB-136	ng/kg	227	260	452	1,200	3,540
PCB-137	ng/kg	119	110	160	398	2,900
PCB-139/140	ng/kg	39.5	36.7 J	29.4 U	138	782
PCB-141	ng/kg	421	388	656	2,180	5,990 E
PCB-142	ng/kg	1.63 U	16.8 U	17.2 U	16.9 U	17.4 J
PCB-143	ng/kg	4.98 J	32.6 U	33.5 U	32.9 U	143
PCB-144	ng/kg	95.7	14.8 U	131	445	1,450
PCB-145	ng/kg	1.53 U	15.8 U	16.2 U	15.9 U	22 J
PCB-146	ng/kg	335	354	593	1,380	4,520
PCB-147/149	ng/kg	1,840 E	2,030	3,310	8,630	22,500 E
PCB-148	ng/kg	3.83 U	39.5 U	40.6 U	39.9 U	40.9 J
PCB-150	ng/kg	4.76 J	14.8 U	15.2 U	44.4 J	67
PCB-152	ng/kg	1.91 J	13.8 U	14.2 U	14 U	48.5 J
PCB-153/168	ng/kg	2,120 E	1,690	3,240	9,440	26,800 E
PCB-154	ng/kg	26.3	45.4 U	67.9 J	281	403
PCB-155	ng/kg	49.6	13.8 U	21.5 J	28 J	55.3
PCB-156/157	ng/kg	294	157	313	779	6,980
PCB-158	ng/kg	267	265	356	1,010	4,600
PCB-159	ng/kg	20.8	26.2 J	37.1 J	140	13.6 U
PCB-160	ng/kg	6.03 U	62.1 U	63.9 U	62.8 U	61.2 U
PCB-161	ng/kg	1.24 U	12.8 U	13.2 U	13 U	12.6 U
PCB-162	ng/kg	1.24 U	12.8 U	13.2 U	28.5 J	172
PCB-164	ng/kg	167	195	284	755	2,630
PCB-165	ng/kg	1.24 U	12.8 U	13.2 U	13 U	15 J
PCB-167	ng/kg	89.5	61.8	118	305	1,950
PCB-169	ng/kg	1.43 U	14.8 U	15.2 U	15 U	14.6 U
PCB-170	ng/kg	680 E	767	1,280	4,560	7,760 E
PCB-171/173	ng/kg	2.87 U	248	357	1,190	2,100
PCB-172	ng/kg	121	144	233	757	1,330
PCB-174	ng/kg	1.43 U	899	1,310	4,360	6,040 E
PCB-175	ng/kg	29.3	36.3 J	52.5	165	267
PCB-176	ng/kg	76.7	101	150	444	682
PCB-177	ng/kg	1.05 U	492	762	2,480	3,690
PCB-178	ng/kg	144	199	298	826	1,220
PCB-179	ng/kg	261	370	532	1,510	2,160
PCB-180/193	ng/kg	1,580 E	1,840	2,940	10,300	15,600 E
PCB-181	ng/kg	1.24 U	12.8 U	13.2 U	20.4 J	95.7
PCB-182	ng/kg	1.24 U	12.8 U	13.2 U	13 U	34.4 J
PCB-183/185	ng/kg	2.68 U	660	899	2,960	4,570
PCB-184	ng/kg	2.19 J	13.8 U	14.2 U	14 U	13.6 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
PCB-186	ng/kg	1.43 U	14.8 U	15.2 U	15 U	14.6 U
PCB-187	ng/kg	1.63 U	1,410	2,090	5,850	7,970 E
PCB-188	ng/kg	1.93 J	14.8 U	15.2 U	15 U	14.6 U
PCB-189	ng/kg	24.1	25.6 J	43.8 J	137	374
PCB-190	ng/kg	135	159	248	896	1,610
PCB-191	ng/kg	27.9	31.6 J	50.4 J	172	295
PCB-192	ng/kg	1.24 U	12.8 U	13.2 U	13 U	12.6 U
PCB-194	ng/kg	385	291	665	1,980	3,570
PCB-195	ng/kg	134	130	250	845	1,330
PCB-196	ng/kg	195	210	391	1,170	1,910
PCB-197/200	ng/kg	58.9	81.6 J	115	367	568
PCB-198/199	ng/kg	513	506	1,080	2,870	4,660
PCB-201	ng/kg	56.4	83	112	292	496
PCB-202	ng/kg	134	179	305	507	784
PCB-203	ng/kg	315	347	705	1,680	2,790
PCB-204	ng/kg	2.01 U	20.7 U	21.3 U	20.9 U	20.4 U
PCB-205	ng/kg	18.6	14.8 U	35.5 J	108	188
PCB-206	ng/kg	352	163	901	1,080	1,670
PCB-207	ng/kg	32.8	22.1 J	66.5	112	170
PCB-208	ng/kg	111	65.3	338	342	427
PCB-209	ng/kg	256	68.4	888	813	607
Total PCB Congeners (209)	ng/kg	83,300 J	36,900 J	86,300 J	182,000 J	3,090,000 J
Aroclor PCBs						
Aroclor-1016	ug/kg	5 U	4.4 U	5.3 U	7.6 U	27 U
Aroclor-1221	ug/kg	6.3 U	5.7 U	6.7 U	9.8 U	34 U
Aroclor-1232	ug/kg	11 U	9.9 U	12 U	17 U	60 U
Aroclor-1242	ug/kg	4.5 U	4.1 U	4.8 U	7 U	25 U
Aroclor-1248	ug/kg	97 J	11 J	19 J	68	1,200
Aroclor-1254	ug/kg	4.5 U	27 J	34 J	180 PJN	25 U
Aroclor-1260	ug/kg	40 PJN	12 J	23 JP	140 PJN	37 UJ
Aroclor-1262	ug/kg	4.5 U	4.1 U	4.8 U	7 U	25 U
Aroclor-1268	ug/kg	4.5 U	4.1 U	4.8 U	7 U	25 U
Total Aroclor PCBs (Sum of 7 Aroclors)	ppb	140 PJ	50 J	76 PJ	390 PJ	1,200
Total Aroclor PCBs (Sum of 9 Aroclors)	ppb	140 PJ	50 J	76 PJ	390 PJ	1,200
Pesticides						
2,4'-DDD	pg/g	2,230	175	6,910	64,100 DJ	22,800
2,4'-DDE	pg/g	6,270	162	1,410	11,000 J	10,500 D
2,4'-DDT	pg/g	70.8 U	24.2 U	766	7,780 J	179
4,4'-DDD	pg/g	5,290	465	16,500	176,000 DJ	72,000 D
4,4'-DDE	pg/g	24,600 D	758	8,350	59,500 DJ	30,700 D
4,4'-DDT	pg/g	211 J	63.6 J	5,600	63,800 DJ	700
Aldrin	pg/g	354 UD	10.1 UD	10.1 UD	10.1 UDJ	10.1 UD
Alpha-BHC	pg/g	44.7	7.68 U	42.6 J	38.7 J	30 J
Alpha-Chlordane	pg/g	995	209	2,000	5,290 J	2,250
Beta-BHC	pg/g	190 B	20.7 J	123	183 J	14.2 UD
cis-Nonachlor	pg/g	518	52.2	366	991 J	516
Delta-BHC	pg/g	41.1	12.2 U	12.2 U	12.2 UJ	12.2 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
Dieldrin	pg/g	842	119	654	3,640 J	967 JD
Endosulfan I	pg/g	354 U	56 U	56 U	56 UJ	56 UD
Endosulfan II	pg/g	354 U	120 U	120 U	120 UJ	297
Endosulfan Sulfate	pg/g	354 U	83.1 U	83.1 U	83.1 UJ	83.1 U
Endrin	pg/g	70.8 U	14.8 U	14.8 U	14.8 UJ	14.8 U
Endrin Aldehyde	pg/g	354 U	230 U	230 U	230 UJ	230 U
Endrin Ketone	pg/g	354 U	132 U	132 U	132 UJ	132 U
Gamma-BHC (Lindane)	pg/g	76.1	7.69 U	7.69 U	7.69 UJ	7.69 U
Heptachlor	pg/g	177 U	22 U	22 U	22 UJ	22 UD
Heptachlor Epoxide	pg/g	35.4 U	14.6 J	133	272 J	80.7
Hexachlorobenzene	pg/g	755 B	42.1 JB	2,080 B	4,300 BJ	2,090 B
Methoxychlor	pg/g	354 U	82.9 U	82.9 U	82.9 UJ	82.9 U
Mirex	pg/g	35.4 U	9.87 U	9.87 U	9.87 UJ	9.87 U
Nonachlor, trans-	pg/g	574	139	1,030	2,570 J	1,180
Oxychlordane	pg/g	35.4 U	8.66 U	36.4 J	8.66 UJ	8.66 U
trans-Chlordane	pg/g	1,530	219	1,620	4,870 J	2,500
trans-Heptachlor Epoxide	pg/g	204	56.7 U	56.7 U	56.7 UJ	79.5
Total Alpha + Gamma Chlordane	ppb	2.5	0.43	3.6	10 J	4.8
Total DDT (2,4)	ppb	8.5	0.34	9.1	83 DJ	33 D
Total DDT (4,4)	ppb	30 DJ	1.3 J	30	300 DJ	100 D
Total DDT (2,4 & 4,4)	ppb	39 DJ	1.6 J	40	380 DJ	140 D
Semivolatiles						
1,2,4,5-Tetrachlorobenzene	ug/kg	23 U	21 U	24 U	35 U	25 U
1,2-Diphenylhydrazine	ug/kg	23 U	21 U	24 U	35 U	25 U
1-Methylnaphthalene	ug/kg	17	2 J	77	280	280
2,2'-oxybis(1-Chloropropane)	ug/kg	23 U	21 U	24 U	35 U	25 U
2,3,4,6-Tetrachlorophenol	ug/kg	92 U	82 U	97 U	140 U	100 U
2,4,5-Trichlorophenol	ug/kg	23 U	21 U	24 U	35 U	25 U
2,4,6-Trichlorophenol	ug/kg	23 U	21 U	24 U	35 U	25 U
2,4-Dichlorophenol	ug/kg	23 U	21 U	24 U	35 U	25 U
2,4-Dimethylphenol	ug/kg	23 U	21 U	24 U	35 U	25 U
2,4-Dinitrophenol	ug/kg	410 U	370 U	440 U	640 U	450 U
2,4-Dinitrotoluene	ug/kg	92 U	82 U	97 U	140 U	100 U
2,6-Dinitrotoluene	ug/kg	23 U	21 U	24 U	35 U	25 U
2-Chloronaphthalene	ug/kg	10 U	9 U	10 U	15 U	10 U
2-Chlorophenol	ug/kg	23 U	21 U	24 U	35 U	25 U
2-Methylnaphthalene	ug/kg	37	2 J	100	520	240
2-Methylphenol	ug/kg	23 U	21 U	24 U	35 U	25 U
2-Nitroaniline	ug/kg	23 U	21 U	24 U	35 U	25 U
2-Nitrophenol	ug/kg	23 U	21 U	24 U	35 U	25 U
3,3'-Dichlorobenzidine	ug/kg	140 U	120 U	150 U	210 U	150 U
3-Nitroaniline	ug/kg	92 U	82 U	97 U	140 U	100 U
4,6-Dinitro-2-methylphenol	ug/kg	230 U	210 U	240 U	350 U	250 U
4-Bromophenyl phenyl ether	ug/kg	23 U	21 U	24 U	35 U	25 U
4-Chloro-3-Methylphenol	ug/kg	23 U	21 U	24 U	35 U	25 U
4-Chloroaniline	ug/kg	23 U	21 U	24 U	35 U	25 U
4-Chlorophenyl phenyl ether	ug/kg	23 U	21 U	24 U	35 U	25 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
4-Methylphenol	ug/kg	71	21 U	270	150	100
4-Nitroaniline	ug/kg	92 U	82 U	97 U	140 U	100 U
4-Nitrophenol	ug/kg	230 U	210 UJ	240 U	350 U	250 U
Acenaphthene	ug/kg	29	2 J	290	830	500
Acenaphthylene	ug/kg	56	2 J	92	900	130
Acetophenone	ug/kg	23 U	21 U	24 U	48 J	25 U
Anthracene	ug/kg	120	8	770	8,100	1,200
Atrazine	ug/kg	46 U	41 U	49 U	71 U	50 U
Benzaldehyde	ug/kg	92 U	82 U	97 U	140 U	100 U
Benzidine	ug/kg	960 U	860 U	1,000 U	1,500 U	1,000 U
Benzo(a)anthracene	ug/kg	340	38	1,400	4,200	3,200
Benzo(a)pyrene	ug/kg	380	47	1,500	9,100	2,800
Benzo(b)fluoranthene	ug/kg	260	69	1,300	8,100	3,400
Benzo(e)pyrene	ug/kg	320	44	970	12 J	1,900
Benzo(g,h,i)perylene	ug/kg	230	41	980	5,300	1,600
Benzo(j,k)fluoranthene	ug/kg	320	48	1,100	7,800	2,100
Benzoic Acid	ug/kg	230 U	210 U	240 U	720 J	250 U
Biphenyl	ug/kg	23 U	21 U	24 U	160	68
bis(2-Chloroethoxy)methane	ug/kg	23 U	21 U	24 U	35 U	25 U
bis(2-Chloroethyl)ether	ug/kg	23 U	21 U	24 U	35 U	25 U
bis(2-Ethylhexyl)phthalate	ug/kg	1,900	82 U	290	3,200	600
Butyl benzyl phthalate	ug/kg	92 U	82 U	97 U	140 U	100 U
C1-Chrysenes	ug/kg	300	21	760	4,200	1,600
C1-Fluoranthenes/Pyrenes	ug/kg	530	39	1,500	7,600	2,900
C1-Fluorenes	ug/kg	30	2 J	140	380	290
C1-Naphthalenes	ug/kg	36	2 J	110	540	340
C1-Phenanthrenes/Anthracenes	ug/kg	120	14	910	2,500	2,200
C2-Chrysenes	ug/kg	200	12	350	2,300	650
C2-Fluoranthenes/Pyrenes	ug/kg	320	0.8 U	620	4,000	1,200
C2-Fluorenes	ug/kg	0.9 U	0.8 U	110	380	230
C2-Naphthalenes	ug/kg	51	2 J	130	530	420
C2-Phenanthrene/anthracenes	ug/kg	170	11	600	1,700	1,300
C3-Chrysenes	ug/kg	120	9	150	1,200	240
C3-Fluoranthenes/Pyrenes	ug/kg	230	12	280	2,300	510
C3-Fluorenes	ug/kg	0.9 U	0.8 U	1 U	7 U	10 U
C3-Naphthalene	ug/kg	62	2	150	410	380
C3-Phenanthrene/anthracenes	ug/kg	220	9	300	1,300	550
C4-Chrysenes	ug/kg	67	0.8 U	1 U	7 U	10 U
C4-Naphthalene	ug/kg	110	3	110	380	320
C4-Phenanthrenes/anthracenes	ug/kg	0.9 U	0.8 U	1 U	7 U	10 U
Caprolactam	ug/kg	46 U	41 U	49 U	71 U	50 U
Carbazole	ug/kg	23 U	21 U	84	4,600	440
Chrysene	ug/kg	450	56	1,500	5,200	3,300
Dibenzo(a,h)anthracene	ug/kg	79	9	290	1,400	580
Dibenzofuran	ug/kg	23 U	21 U	81	970	290
Diethyl phthalate	ug/kg	92 U	82 U	97 U	140 U	100 U
Dimethylphthalate	ug/kg	92 U	82 U	97 U	140 U	100 U
Di-n-Butylphthalate	ug/kg	92 U	82 UJ	97 U	140 U	100 U

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
Di-n-Octylphthalate	ug/kg	92 U	82 U	97 U	140 U	100 U
Fluoranthene	ug/kg	390	120	3,600	10,000	8,700
Fluorene	ug/kg	31	3	260	1,200	540
Hexachlorobutadiene	ug/kg	23 U	21 U	24 U	35 U	25 U
Hexachlorocyclopentadiene	ug/kg	230 U	210 U	240 U	350 U	250 U
Hexachloroethane	ug/kg	46 U	41 U	49 U	71 U	50 U
Indeno(1,2,3-cd)pyrene	ug/kg	280	35	860	4,900	1,500
Isophorone	ug/kg	23 U	21 U	24 U	35 U	25 U
Naphthalene	ug/kg	110	4	250	670	440
Nitrobenzene	ug/kg	23 U	21 U	24 U	35 U	25 U
N-Nitroso-di-n-propylamine	ug/kg	23 U	21 U	24 U	35 U	25 U
N-Nitrosodiphenylamine	ug/kg	23 U	21 U	24 U	35 U	25 U
Pentachlorophenol	ug/kg	46 U	41 U	49 U	71 U	50 U
Perylene	ug/kg	110	14	370	1,800	720
Phenanthrene	ug/kg	270	40	2,500	7,500	5,700
Phenol	ug/kg	23 U	21 U	24 U	82	25 U
Pyrene	ug/kg	460	78	2,300	10,000	5,500
Pyridine	ug/kg	92 U	82 U	97 U	140 U	100 U
Total HMW PAHs	ppb	3,200	540	15,000	66,000	33,000
Total LMW PAHs	ppb	650	61 J	4,300	20,000	8,800
TOTAL PAHs	ppb	3,800	600 J	19,000	86,000	41,000
Volatiles						
1,2,4-Trichlorobenzene	ug/kg	1 U	1 U	1 U	3 UJ	1 U
1,2-Dichlorobenzene	ug/kg	1 U	1 U	1 U	3 UJ	1 U
1,3-Dichlorobenzene	ug/kg	1 U	1 U	1 U	3 UJ	1 U
1,4-Dichlorobenzene	ug/kg	1 U	1 U	1 U	3 UJ	1 U
TPH						
PHC AS GASOLINE	mg/kg	2.5 U	2.4 U	2.4 U	37	2.6 U
Total Petroleum Hydrocarbons (C9-C40)	mg/kg	230	47.6	258	1,120	580
Grain Size						
75000 um	% passing	100	100	100	100	100
SIEVE, 37500 MICRONS, PERCENT PASSING	% passing	100	100	100	100	100
SIEVE, 19000 MICRONS, PERCENT PASSING	% passing	100	100	97.5	100	94.7
SIEVE NO. 4, PERCENT PASSING	% passing	98.6	99	85.9	88.2	90.1
3.35 mm	% passing	98.4	98.3	79.1	83.3	87.8
SIEVE, NO. 8, PERCENT PASSING	% passing	95.9	97.4	73.3	76.8	86.2
SIEVE, NO. 16, PERCENT PASSING	% passing	94.6	96.5	69.7	68	85
SIEVE, NO. 30, PERCENT PASSING	% passing	92.4	92	64.3	56.1	83.2
0.3 mm	% passing	85.4	58.4	58.3	40.4	76.3
SIEVE, NO. 100, PERCENT PASSING	% passing	61	6.1	44.5	30.6	32.3
SIEVE NO. 200, PERCENT PASSING	% passing	42.6	2.6	23.1	23.2	6.9
0.064 mm	% passing	40	2.5	20	21.5	5
0.05 mm	% passing	33	2.5	17	18	3
0.02 mm	% passing	22	2.5	11.5	10	1
0.002 mm	% passing	3	0.5 U	2	2	1
0.001 mm	% passing	0.5 U	0.5 U	1	1	1
HYDROMETER READING, PERCENT FINER THAN 0.0050 mm	% passing	9	0.5 U	3	4	1

Table B-5
Surface Sediment Analytical Results

Location ID: Date Collected: Sample Name:	Units	NB03SED132ACL 09/11/14 NB03SED132A	NB03SED132BCL 09/22/14 NB03SED132B	NB03SED133CL 09/22/14 NB03SED133	NB03SED134CL 09/25/14 NB03SED134	NB03SED135CL 09/19/14 NB03SED135
Physical Properties[1]						
MOISTURE (WATER)CONTENT	%	25.5	18.5	19.6	68.6	26.2
Oxidation Reduction Potential	mV	120	225	94.5	75 J	217
Percent Moisture	%	27.3	18.9	31.5	52.9	33.2
pH	pH Units	7.86	7.7	7.43	7.58	6.73
TOC by Lloyd Kahn	mg/kg	3,630	1,690	54,300	32,600	18,300
Total Solids (Percent)	%	76.1 Z	79.3 Z	66 Z	60.1 Z	66.7 Z
Water Content	%	34.2	22.8	24.3	218	35.5
Water Content ASTM D2216	%	37.5	23.3	45.9	112	49.7
Miscellaneous Chemicals						
Ammonia Nitrogen	mg/kg	117 U	524 U	620 U	902 U	636 U
Phosphorus	mg/kg	313	67.2	859	1,500	378
Total Cyanide	mg/kg	0.24 U	0.22 U	0.26 B	0.72 B	0.26 U
Total Kjeldahl Nitrogen (TKN)	mg/kg	66.1 U	64.2 U	79.3 U	117 J	78 U
AVS/SEM						
Acid Volatile Sulfide (AVS)	umol/g	2.2	1.2 B	2.6	13	6.5
Cadmium	umol/g	0.00659	0.000193 B	0.00187	0.00295	0.00253
Copper	umol/g	0.264	0.0482	0.592	1.34	0.164
Lead	umol/g	0.18	0.0301	0.66	1.45	0.164
Mercury	umol/g	0.0000071 U	0.0000074 U	0.0000073 U	0.0000072 U	0.0000074 U
Nickel	umol/g	0.086	0.0196	0.0539	0.291	0.0473
Zinc	umol/g	0.941	0.198	1.51	10.4	1.33

Table B-5
Surface Sediment Analytical Results

Footnote:

[1]"Percent Moisture" and "Moisture (water) Content" were analyzed using USEPA Method 160.3 and "Water Content" and "Water Content ASTM D2216" were analyzed using ASTM D-2216. "Percent Moisture" and "Moisture (water) Content" determined by USEPA Method 160.3 are calculated as the weight of the dry sediment divided by the weight of the wet sediment; the maximum percent moisture is 100%. "Water Content" and "Water Content ASTM D2216" analyzed using ASTM D-2216 are calculated as the weight of the water divided by the weight of the dry sediment, which can result in moisture contents greater than 100%.

Notes:

1. Totals were calculated using detected values only. If all analytes that make up a given total are nondetect, the total will be reported as the highest detection limit of the individual analytes and will be qualified with a "U" flag to indicate it is a non-detect.
2. Total PCB Congeners (209) = sum of 209 individual congener PCBs
3. Total Aroclor PCBs (Sum of 7 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, and Aroclor-1260
4. Total Aroclor PCBs (Sum of 9 Aroclors) = sum of Aroclor-1016, Aroclor-1221, Aroclor-1232, Aroclor-1242, Aroclor-1248, Aroclor-1254, Aroclor-1260, Aroclor-1262, and Aroclor-1268
5. Total Alpha + Gamma Chlordane = sum of alpha-Chlordane and gamma-Chlordane
6. Total DDT (2,4) = sum of 2,4'-DDD, 2,4'-DDE, and 2,4'-DDT
7. Total DDT (4,4) = sum of 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
8. Total DDT (2,4 & 4,4) = sum of 2,4'-DDD, 2,4'-DDE, 2,4'-DDT, 4,4'-DDD, 4,4'-DDE, and 4,4'-DDT
9. Total HMW PAHs = sum of fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene.
10. Total LMW PAHs = sum of naphthalene, 2-methylnaphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, and anthracene.
11. Total PAHs = sum of Total LMW PAHs and Total HMW PAHs.

ASTM = American Society for Testing Materials
DDD = dichlorodiphenyldichloroethane
DDE = dichlorodiphenyldichloroethylene
DDT = dichlorodiphenyltrichloroethane
HMW = high molecular weight
LMW = low molecular weight
PAH = polycyclic aromatic hydrocarbon
PCB = polychlorinated biphenyl
TCDD = tetrachlorodibenzo-p-dioxin
TEPH = total extractable petroleum hydrocarbons

% = percent
mg/kg = milligrams per kilogram
ng/g = nanograms per gram
ng/kg = nanograms per kilogram
pg/g = picograms per gram
ppb = parts per billion
ug/kg = micrograms per kilogram

Appendix C

Laboratory data reports will be provided electronically.

Appendix D

Data verification/validation reports will be provided electronically.

Appendix E

CRAB AND CLAM SAMPLING AND ANALYSIS

NEWARK BAY STUDY AREA DATA QUALITY USABILITY ASSESSMENT REPORT

Prepared for:

Tierra Solutions, Inc.
East Brunswick, New Jersey

Prepared by:

Field & Technical Services, LLC
200 Third Avenue
Carnegie, Pennsylvania 15106

REVISION 2, APRIL 2017

TABLE OF CONTENTS

1.0 INTRODUCTION

In 2014 the United States Environmental Protection Agency (USEPA) approved the Crab and Clam Sampling and Analysis Quality Assurance Project Plan (QAPP), Revision 3a prepared by Tierra Solutions, Inc. (Tierra) for the sampling and analysis of blue crab and softshell clam tissue, and co-located surface sediment in the Newark Bay Study Area. The Crab and Clam Sampling and Analysis QAPP, Revision 3a (Tierra 2014) (hereafter referred to as the QAPP) outlined the crab and clam tissue and sediment sampling and analyses to be conducted for the baseline human health and ecological risk assessment. The crab and clam sampling and analysis activities consisted of the collection and analysis of 111 crab tissue samples, 18 clam tissue samples, and 19 sediment samples (includes quality control samples). According to Worksheet #37 of the QAPP, (Tierra 2014) a Data Quality Usability Assessment Report (DQUAR) must be completed after the conclusion of validation tasks.

In accordance with requirements of the QAPP, the data quality usability assessment was conducted on both verified and validated data; this DQUAR provides a summary of the evaluation of data quality and usability for sample data collected during implementation of the Crab and Clam Sampling and Analysis QAPP. The data verification and data validation processes are described respectively in Worksheets #34 and #35 of the QAPP.

Worksheet #37 of the QAPP provides a description of the components of the DQUAR. These components are described in detail in subsequent sections of this report.

2.0 DATA QUALITY PARAMETERS OVERVIEW

To assess whether the analytical data obtained were consistent with the objectives of the QAPP, seven data quality parameters were evaluated. In the event that the data verification/validation process identified an instance where any of the data quality parameters did not meet the objectives established in the QAPP, the affected sample results were evaluated in accordance with the data verification/validation protocols specified in Worksheet #34 and Worksheet #35 of the QAPP and documented accordingly. A detailed narrative describing the verification/validation assessments and findings can be found within the data verification/validation data assessment narratives prepared for each data package.

The seven data quality parameters assessed included the following:

- precision;
- accuracy/bias contamination;
- overall accuracy/bias;
- sensitivity;
- representativeness;
- comparability; and
- completeness.

Each of these data quality parameters, as it relates to the QAPP program, is discussed below.

2.1 PRECISION

Precision is the measure of variability between individual sample measurements of the same property under similar conditions. During the crab and clam program, precision was evaluated through the analysis of two types of duplicate samples. Field and laboratory duplicates were analyzed at regular, specified intervals throughout the Crab and Clam Sampling and Analysis program.

Field duplicates consisted of samples that were collected in the field at the frequency specified in the QAPP in order to determine the precision of field sampling methods. Duplicate samples were collected as two distinct samples, and submitted "blind" to the analytical laboratories for analysis (i.e., the sample identification did not reveal the sample with which its field duplicate was associated). Field duplicates were only applicable to sediment samples. Due to limited clam and crab tissue mass, only laboratory replicates were collected for these tissue matrices. Field duplicates for the tissue matrix were included for fish tissue samples, where more mass was available for quality control samples.

Relative percent differences (RPDs) between the field sample results and the field duplicate results provide an estimate of the overall sampling and analytical precision.

Laboratory duplicates are two portions of a single homogeneous sample that are analyzed for the same parameter in order to determine the precision of the analytical system. Two types of laboratory duplicates were prepared. Laboratory duplicates without known analyte spikes added were analyzed

to monitor laboratory precision for inorganics, while matrix spike (MS) and matrix spike duplicate (MSD) evaluations were performed to monitor laboratory precision for the remaining analysis types. Laboratory duplicates were analyzed at the frequency specified in QAPP. The RPD between results obtained for a given laboratory duplicate pair provides an estimate of analytical precision.

The precision assessment for field and laboratory duplicate analyses is expressed as the RPD:

$$\mathbf{RPD = \{(S-D)/(S+D)/2\} \times 100}$$

Where:

S = original sample concentration
D = duplicate sample concentration

Acceptance criteria for field and laboratory duplicates are provided in Worksheets #12-2 and #12-3 of the QAPP. Conformance to laboratory duplicate frequency requirements, as well as acceptability of the resulting RPD values, were evaluated and considered during data validation.

Although laboratory duplicate analyses are used as indicators of relative precision of the analytical systems, the degree of homogeneity of the contaminants in the sample medium can also affect the reproducibility of a particular measurement. For example, pieces of decayed wood debris, chunks of asphalt, glass, free product, etc., can increase sample heterogeneity and therefore can reduce the laboratory technician's ability to create homogeneous duplicate samples with which to measure precision. Since the sample matrix characteristics can affect the way precision is measured, the sample matrix should be considered by the validator.

With respect to the results of the crab and clam program data, there are no limitations on data usage based on precision quality acceptance criteria. The following table summarizes the precision quality evaluation by analytical group and sampling technique. The "x" designation indicates that an issue was identified however; such issue does not infer that the data are unusable. A more detailed discussion of this data quality parameter evaluation is provided in Section 3.1 of this report.

PRECISION			
Analytical Groups	**Crab Tissue**	**Clam Tissue**	**Sediment**
Semivolatile Organics	v	v	v
Volatile Organics	-	-	v
Aroclor PCBs	x	x	x
Butyltins	v	v	v
Organochlorine Pesticides	x	x	x
Saturated Hydrocarbons	-	-	x
Semivolatile Organics (SIM)	v	v	x
Metals (including SEM)	x	x	x
Titanium	v	v	x
Mercury	v	v	x
Methylmercury	x	v	x
Cyanide	-	-	x
Hexavalent Chromium	-	-	v
Sulfide	-	-	x
PCDDs/PCDFs	v	v	x
PCB Congeners	x	v	x
Chlorinated Herbicides	-	-	x
TOC	-	-	v
ORP	-	-	x
TEPH	-	-	v
Total Phosphorus	-	-	x
Acid Volatile Sulfide	-	-	x
Total Kjeldahl Nitrogen	-	-	x
Ammonia Nitrogen	-	-	v
pH	-	-	v
Grain Size	-	-	v

- = analysis was not performed for this analytical group
x = data qualified due to precision during validation for this analytical group
v = no data qualifications due to precision were made for this analytical group

2.2 ACCURACY/BIAS CONTAMINATION

Accuracy parameters were also assessed with respect to contamination through the use of field and laboratory blanks. Any contamination present in field or laboratory blanks reflects the potential for contamination in associated samples. Measurement performance criteria for accuracy/bias contamination are outlined in Worksheets #12-1, #12-2, and #12-3 of the QAPP. Acceptability of quality control (QC) results for accuracy/bias contamination and conformance to field and laboratory QC sample frequency requirements were evaluated and considered during the data verification/validation.

With respect to the results of the crab and clam program data, there are no limitations on the data usage based on accuracy/bias contamination acceptance criteria. The following table summarizes the accuracy/bias contamination quality evaluation by analytical group and sampling technique. The "x" designation indicates that an issue was identified however; such issue does not infer that the data are unusable. A more detailed discussion of this data quality parameter evaluation is provided in Section 3.1 of this report.

ACCURACY/BIAS CONTAMINATION			
Analytical Groups	**Crab Tissue**	**Clam Tissue**	**Sediment**
Semivolatile Organics	v	v	x
Volatile Organics	-	-	v
Aroclor PCBs	v	v	v
Butyltins	v	v	v
Organochlorine Pesticides	x	x	x
Saturated Hydrocarbons	-	-	v
Semivolatile Organics (SIM)	v	v	v
Metals (including SEM)	x	v	v
Titanium	x	v	v
Mercury	v	v	v
Methylmercury	v	v	v
Cyanide	-	-	v
Hexavalent Chromium	-	-	v
Sulfide	-	-	v
PCDDs/PCDFs	v	v	x
PCB Congeners	x	x	x
Chlorinated Herbicides	-	-	v
TOC	-	-	v
ORP	-	-	v
TEPH	-	-	v
Total Phosphorus	-	-	v
Acid Volatile Sulfide	-	-	v
Total Kjeldahl Nitrogen	-	-	v
Ammonia Nitrogen	-	-	v
pH	-	-	v
Grain Size	-	-	v

- = analysis was not performed for this analytical group
x = data qualified due to accuracy/bias contamination during validation for this analytical group
v = no data qualifications due to accuracy/bias contamination were made for this analytical group

2.3 OVERALL ACCURACY/BIAS

Accuracy is a measure of the bias and precision in a system, and is defined as the agreement between a measurement and an accepted reference or true value. Pre-mobilization performance evaluation samples were analyzed prior to initiating field work. Documentation of successful analysis of the performance evaluation samples was provided to the United States Environmental Protection Agency (USEPA) by Tierra Solutions, Inc. Accuracy was monitored during the crab and clam program through the analysis of MSs, surrogate spikes, and laboratory control samples (LCSs) (performed at regular, specified intervals).

As outlined in the QAPP, the analysis of MS samples and LCSs provide laboratory results that may be compared to their associated known values to monitor potential bias. The MS and surrogate spike evaluations were used to assess bias by monitoring the actual recovery of a known quantity of a chemical, added to the native sample, versus the expected recovery. The LCS evaluations were used to assess bias by monitoring the actual recovery of a known quantity of a chemical, added to a blank, versus the expected recovery.

Acceptance criteria for each of the Accuracy evaluations described above are provided in Worksheets #12-1, #12-2, and #12-3 of the QAPP. Conformance to laboratory QC sample frequency requirements, as well as acceptability of QC results for accuracy, were evaluated and considered during data verification/validation.

Data for several analytical groups associated with multiple sampling techniques were determined to be unusable due to severe accuracy/bias issues. The following table summarizes the overall accuracy/bias quality evaluation by analytical group and sampling technique. The "x" designation indicates that an issue was identified however; such issue does not infer that the data are unusable. A more detailed discussion of this data quality parameter evaluation is provided in Section 3.1 of this report.

OVERALL ACCURACY/BIAS			
Analytical Groups	**Crab Tissue**	**Clam Tissue**	**Sediment**
Semivolatile Organics	x	x	x
Volatile Organics	-	-	x
Aroclor PCBs	x	v	x
Butyltins	x	x	v
Organochlorine Pesticides	x	x	x
Saturated Hydrocarbons	-	-	x
Semivolatile Organics (SIM)	x	x	x
Metals (including SEM)	x	x	x
Titanium	v	v	x
Mercury	v	v	v
Methylmercury	x	x	x
Cyanide	-	-	v
Hexavalent Chromium	-	-	x
Sulfide	-	-	x
PCDDs/PCDFs	x	x	x
PCB Congeners	x	x	x
Chlorinated Herbicides	-	-	x
TOC	-	-	x
ORP	-	-	v
TEPH	-	-	x
Total Phosphorus	-	-	x
Acid Volatile Sulfide	-	-	x
Total Kjeldahl Nitrogen	-	-	x
Ammonia Nitrogen	-	-	x
pH	-	-	v
Grain Size	-	-	v

- = analysis was not performed for this analytical group
x = data qualified due to overall accuracy/bias during validation for this analytical group
v = no data qualifications due to overall accuracy/bias were made for this analytical group

2.4 SENSITIVITY

Sensitivity is related to the ability to compare analytical results with project quantitation limits (PQLs). Analytical detection limits should be at or below the PQLs to allow effective comparisons. All sample analytical results reported during the crab and clam program were evaluated to determine if adequate sensitivity was achieved. The results for each analyte were cross-checked against the PQLs presented in Worksheets #15-1, #15-2, and #15-3 of the QAPP. The QAPP's PQLs were set equal to the laboratory achievable quantitation limit, and any dilution or adjustment in initial extraction mass by the laboratory would cause the quantitation limit to be higher than the achievable quantitation limit. The tables in Section 2.4.1 below summarize the percent of sample results that did not meet the data quality objectives as defined by the QAPP. The percentages expressed in these tables indicate the fraction of the total number of results reported for each analytical group and sampling technique where reporting limits exceeded the PQLs. The data results reported in the tables below are the laboratory qualified results and not from the validation qualified results.

With respect to the results of the crab and clam program data, there are no limitations on the data usage based on sensitivity acceptance criteria. A more detailed discussion of this data quality parameter evaluation is provided in Section 2.4.1.

2.4.1 Achieved Analytical Sensitivity

The fact that data failed to meet established PQLs for specific analytical groups as indicated in the tables below, may have impacted the number of positive results identified in those samples, thereby potentially impacting the data evaluation process. Following each table is a discussion of the analytical groups for which failure to meet the PQLs, may have impacted the data evaluation.

Crab Tissue

Table 2-1
Sensitivity Quality Evaluation for Crab Tissue Samples

Analytical Group	Total Number of Results Reported	Non-detected Results with PQLs Greater than those Defined in the Crab and Clam QAPP	Detected Results Between the MDL (or EDL where appropriate) and Elevated PQL	Total non-detect results greater than PQL / Total Results Reported
Semivolatile Organics	5883	3663	60	3663/5883
Aroclor PCBs	999	308	38	308/999
Butyltins	444	2	0	2/444
Organochlorine Pesticides	3219	63	276	63/3219
Semivolatile Organics SIM	4218	262	430	262/4218
Metals	2442	0	258	0/2442
Titanium	111	0	70	0/111
Mercury	111	0	0	0/111
Methylmercury	111	0	0	0/111
PCDDs/PCDFs	1887	0	1402	0/1887
PCB Congeners	18648	1616	1556	1616/18648

For the crab tissue results, PQLs identified in Table 2-1 above as greater than those defined in the QAPP were exceeded to varying degrees, mainly due to either sample dilution prior to analysis, or use of less than targeted sample volume for analysis.

Clam Tissue

Table 2-2
Sensitivity Quality Evaluation for Clam Tissue Samples

Analytical Group	Total Number of Results Reported	Non-detected Results with PQLs Greater than those Defined in the Crab and Clam QAPP	Detected Results Between the MDL (or EDL where appropriate) and Elevated PQL	Total non-detect results greater than PQL / Total Results Reported
Semivolatile Organics	9548	0	24	0/9548
Aroclor PCBs	162	0	16	0/162
Butyltins	72	0	0	0/72
Organochlorine Pesticides	522	5	70	5/522
Semivolatile Organics SIM	684	0	96	0/684
Metals	396	0	27	0/396
Titanium	18	0	0	0/18
Mercury	18	0	0	0/18
Methylmercury	18	0	0	0/18
PCDDs/PCDFs	306	0	232	0/306
PCB Congeners	3024	0	129	0/3024

For the clam tissue results, PQLs identified in Table 2-2 above as greater than those defined in the QAPP were exceeded to varying degrees, mainly due to either sample dilution prior to analysis, or use of less than targeted sample volume for analysis.

Sediment

Table 2-3
Sensitivity Quality Evaluation for Sediment Samples

Analytical Group	Total Number of Results Reported	Non-detected Results with PQLs Greater than those Defined in the Crab and Clam QAPP	Detected Results Between the MDL (or EDL where appropriate) and Elevated PQL	Total non-detect results greater than PQL / Total Results Reported
Semivolatile Organics	1007	928	27	928/1007
Volatile Organics	76	0	0	0/76
Aroclor PCBs	171	8	14	8/171
Butyltins	76	63	0	63/76
Organochlorine Pesticides	551	41	26	41/551
Saturated Hydrocarbons	665	189	125	189/665
Semivolatile Organics SIM	722	0	18	0/722
Metals (including SEM)	532	0	31	0/532
Titanium	19	0	0	0/19
Mercury	19	0	4	0/19
Methylmercury	19	0	0	0/19
Cyanide	19	0	0	0/19
Hexavalent Chromium	19	17	1	17/19
Sulfide	19	0	0	0/19
PCDDs/PCDFs	323	0	133	0/323
PCB Congeners	3192	448	308	448/3192
TOC	19	0	0	0/19
TEPH	19	0	4	0/19
Total Phosphorus	19	0	0	0/19
Acid Volatile Sulfide	19	0	5	0/19
Total Kjeldahl Nitrogen	19	0	0	0/19
Chlorinated Herbicide	76	4	3	4/76
Ammonia Nitrogen	19	18	1	18/19

For the sediment results, PQLs identified in Table 2-3 above as greater than those defined in the QAPP were exceeded to varying degrees, mainly due to either sample dilution prior to analysis, or use of less than targeted sample volume for analysis.

2.5 REPRESENTATIVENESS

Representativeness is the degree to which a data set accurately represents the characteristics of a population, parameter conditions at a sample point, or an environmental condition. Data are representative when all sampling and analyses are performed in compliance with appropriate procedures. Performing sample analyses within the specified holding times and adhering to sample handling and storage requirements are also critical elements in obtaining representative sample data. These elements were evaluated and considered during data verification/validation. Acceptance criteria for sample handling, storage and holding times are provided in Worksheets #19-3 and #19-7 of the QAPP.

With respect to the results of the crab and clam program data, there are no limitations on the data usage based on representativeness acceptance criteria. The following table summarizes the

representativeness quality evaluation by analytical group and sampling technique. The "x" designation indicates that an issue was identified however; such issue does not infer that the data are unusable. A more detailed discussion of this data quality parameter evaluation is provided in Section 3.1 of this report. Data were qualified for representativeness due to holding time violations.

HOLDING TIME VIOLATIONS			
Analytical Groups	**Crab Tissue**	**Clam Tissue**	**Sediment**
Semivolatile Organics	x	v	v
Volatile Organics	-	-	v
Aroclor PCBs	v	v	v
Butyltins	v	v	x
Organochlorine Pesticides	x	v	v
Saturated Hydrocarbons	-	-	x
Semivolatile Organics (SIM)	v	v	v
Metals	v	v	v
Titanium	v	v	v
Mercury	v	v	v
Methylmercury	v	v	v
Cyanide	-	-	v
Hexavalent Chromium	-	-	v
Sulfide	-	-	x
PCDDs/PCDFs	v	v	v
PCB Congeners	x	v	x
Chlorinated Herbicides	-	-	v
TOC	-	-	v
ORP	-	-	v
TEPH	-	-	v
Total Phosphorus	-	-	v
Acid Volatile Sulfide	-	-	v
Total Kjeldahl Nitrogen	-	-	v
Ammonia Nitrogen	-	-	v
pH	-	-	v
Grain Size	-	-	v

- = analysis was not performed for this analytical group
x = data qualified due to holding time violations during validation for this analytical group
v = no data qualifications due to holding time violations were made for this analytical group

2.6 COMPARABILITY

Comparability expresses the confidence with which one set of data can be compared to another to measure the same property. Data can be compared to the degree that their accuracy, precision, and representativeness are known and documented. Data are comparable if QC measures such as collection techniques, measurement procedures, analytical methods, and reporting units are equivalent

for the samples within a sample set. Data subject to established quality assurance/quality control (QA/QC) measures are deemed more reliable and, therefore, more comparable, than data generated without such measures.

Consistent application of prescribed procedures was monitored throughout the crab and clam program. Likewise, specific data verification/validation protocols were consistently applied to all data generated under this program to understand and document accuracy/bias, accuracy/bias contamination, precision, sensitivity and representativeness, thereby establishing comparability as defined above.

During data validation activities, analytical data were evaluated using a defined set of guidelines and acceptance criteria. In addition, data validation qualifiers were consistently applied to the analytical data generated during the crab and clam program. The data validation process serves to increase the degree of data comparability achieved.

With respect to the results of the crab and clam program data, there are no limitations on the data usage based on comparability acceptance criteria.

2.7 FIELD AND ANALYTICAL COMPLETENESS

There are two measures of completeness defined for the crab and clam program: field completeness and analytical completeness. Field completeness is defined as the ratio of the number of samples received in acceptable condition by the laboratories to the number of samples planned to be collected as specified in the QAPP. Analytical completeness is defined as the ratio of total analytical data results reported to the total number of analytical results requested on samples submitted for analysis. The formulas used to compute field and analytical completeness are presented below.

> % Field Completeness = (Number of Samples [field samples and field duplicates] Received by Laboratories/Total Number of Samples [field samples and field duplicates] Planned to be collected) x 100
>
> % Analytical Completeness = (Total Valid Analytical Data/Analytical Data Obtained) x 100

The targeted field and analytical completeness goals were 90% for the crab and clam program; these goals were met, or exceeded, as summarized below.

Crab and Clam Completeness	Completeness Goal Established in Crab and Clam QAPP	Crab and Clam Completeness Achieved
Field Completeness (Overall)	90%	100%
Analytical Completeness (Overall)	90%	98%

Crab and Clam
Field Completeness by Analysis and Sample Type

Analytical Group	Number of Samples Collected by Sample Type			Total Number of Samples Collected	Total Number of Samples Planned	Completeness Achieved (%)
	Crab Tissue	Clam Tissue	Sediment			
Semivolatile Organics	111	18	19	148	148	100
Volatile Organics	0	0	19	19	19	100
Aroclor PCBs	111	18	19	148	148	100
Butyltins	111	18	19	148	148	100
Organochlorine Pesticides	111	18	19	148	148	100
Saturated Hydrocarbons	0	0	19	19	19	100
Semivolatile Organics (SIM)	111	18	19	148	148	100
Metals (including SEM)	111	18	19	148	148	100
Titanium	111	18	19	148	148	100
Mercury	111	18	19	148	148	100
Methylmercury	111	18	19	148	148	100
Cyanide	0	0	19	19	19	100
Hexavalent Chromium	0	0	19	19	19	100
Sulfide	0	0	19	19	19	100
PCDDs/PCDFs	111	18	19	148	148	100
PCB Congeners	111	18	19	148	148	100
Chlorinated Herbicides	0	0	19	19	19	100
TOC	0	0	19	19	19	100
ORP	0	0	19	19	19	100
TEPH	0	0	19	19	19	100
Total Phosphorus	0	0	19	19	19	100
Acid Volatile Sulfide	0	0	19	19	19	100
Total Kjeldahl Nitrogen	0	0	19	19	19	100
Ammonia Nitrogen	0	0	19	19	19	100
pH	0	0	19	19	19	100
Grain Size	0	0	19	19	19	100

Note: Sediment number of samples listed includes quality control sample

Crab and Clam Analytical Completeness by Analysis	**Overall Completeness Achieved**
Chemical Analyses	
Semivolatile Organics	99.3%
Volatile Organics	100%
Aroclor PCBs	100%
Butyltins	99.3%
Organochlorine Pesticides	95.7%
Saturated Hydrocarbons	100%
Semivolatile Organics (SIM)	100%
Metals (including SEM)	100%
Titanium	100%
Mercury	100%
Methylmercury	98%
Cyanide	100%
Hexavalent Chromium	63.2%
Sulfide	94.7%
PCDDs/PCDFs	99.8%
PCB Congeners	96.9%
Chlorinated Herbicides	100%
TOC	100%
ORP	100%
TEPH	100%
Total Phosphorus	100%
Acid Volatile Sulfide	89.5%
Total Kjeldahl Nitrogen	94.7%
Ammonia Nitrogen	84.2%
pH	100%
Grain Size	100%

Crab and Clam Analytical Completeness by Analysis and Sample Type

Crab Tissue

Analytical Group	Samples Analyzed	Analytes per Sample	Total Results	Rejected Results	Analytical Completeness Achieved
Semivolatile Organics	111	53	5883	53	99.1%
Aroclor PCBs	111	9	999	0	100%
Butyltins	111	4	444	4	99.1%
Organochlorine Pesticides	111	29	3219	177	94.5%
Semivolatile Organics (SIM)	111	38	4218	0	100%
Metals	111	22	2442	0	100%
Titanium	111	1	111	0	100%
Mercury	111	1	111	0	100%
Methylmercury	111	1	111	3	97.3%
PCDDs/PCDFs	111	17	1887	0	100%
PCB Congeners	111	168	18648	734	96.1%
Total Crab Tissue	1221	-	38073	971	97.5%

Clam Tissue

Analytical Group	Samples Analyzed	Analytes per Sample	Total Results	Rejected Results	Analytical Completeness Achieved
Semivolatile Organics	18	53	954	0	100%
Aroclor PCBs	18	9	162	0	100%
Butyltins	18	4	72	0	100%
Organochlorine Pesticides	18	29	522	7	98.7%
Semivolatile Organics (SIM)	18	38	684	0	100%
Metals	18	22	396	0	100%
Titanium	18	1	18	0	100%
Mercury	18	1	18	0	100%
Methylmercury	18	1	18	0	100%
PCDDs/PCDFs	18	17	306	1	99.7%
PCB Congeners	18	168	3024	46	98.5%
Total Clam Tissue	198	-	6174	54	99.1%

Sediment

Analytical Group	Samples Analyzed	Analytes per Sample	Total Results	Rejected Results	Analytical Completeness Achieved
Semivolatile Organics	19	53	1007	0	100%
Volatile Organics	19	4	76	0	100%
Aroclor PCBs	19	9	171	0	100%
Butyltins	19	4	76	0	100%
Organochlorine Pesticides	19	29	551	0	100%
Saturated Hydrocarbons	19	35	665	0	100%
Semivolatile Organics (SIM)	19	38	722	0	100%
Metals (including SEM)	19	28	532	0	100%
Titanium	19	1	19	0	100%
Mercury	19	1	19	0	100%
Methylmercury	19	1	19	0	100%
Cyanide	19	1	19	0	100%
Hexavalent Chromium	19	1	19	7	63.2%
Sulfide	19	1	19	1	94.7%
PCDDs/PCDFs	19	17	323	4	98.8%
PCB Congeners	19	168	3192	0	100%
Chlorinated Herbicides	19	4	76	0	100%
TOC	19	1	19	0	100%
ORP	19	1	19	0	100%
TEPH	19	1	19	0	100%
Total Phosphorus	19	1	19	0	100%
Acid Volatile Sulfide	19	1	19	2	89.5%
Total Kjeldahl Nitrogen	19	1	19	1	94.7%
Ammonia Nitrogen	19	1	19	3	84.2%
pH	19	1	19	0	100%
Grain Size	19	17	323	0	100%
Total Sediment	494	-	7980	18	99.8%

Note: Sediment number of samples listed includes quality control sample

The analytical completeness achieved for total crab tissue was 97.5%. The analytical completeness achieved for total clam tissue was 99.1%. The analytical completeness for total sediment was. 99.8%. The total analytical completeness for all matrices analyzed is 98%.

3.0 CRAB AND CLAM PROGRAM DATA VERIFICATION/VALIDATION

Crab and clam program analytical results were provided by the laboratories both electronically and in hard copy format. Upon receipt from the laboratory, results for specific analytical groups described below were verified or validated by Field and Technical Services, LLC. (FTS) using the following:

Semivolatile Organics	USEPA Region 2 SOP HW-22, Revision 3, 10/06
Volatile Organics	USEPA Region 2 SOP HW-24, Revision 1, 6/99
Aroclor PCBs	USEPA Region 2 SOP HW-37, Revision 1, 8/07
Butyltins	EDS SOP: Organotins Prep. 8/05
Organochlorine Pesticides	EDS SOP Organochlorine Pesticides by HRGC/HRMS USEPA 1699, Rev.0, 7/10
Saturated Hydrocarbons	EDS SOP: TEPH-01 Rev. 3, 07/07
Semivolatile Organics (SIM)	USEPA Region 2 SOP HW-35, Revision 2, 3/13
Metals (including SEM)	USEPA Region 2 SOP HW-2b, Rev. 15, 12/12
Titanium	USEPA Region 2 SOP HW-2a, Rev. 15, 12/12
Mercury	EDS SOP: Mercury by CVAFS USEPA 1631, Rev. 1, 5/14
Methylmercury	EDS SOP: Methyl Mercury by CVAFS USEPA 1630, Rev. 1, 5/14
Cyanide	USEPA Region 2 SOP HW-2c, Revision 15, 12/12
Hexavalent Chromium	NJDEP SOP for Analytical Data Validation of Hexavalent Chromium, 5.A.10, Rev. 2, 8/05
Sulfide	EDS SOP: V-12 Rev. 0, 1/09
PCDDs/PCDFs	USEPA Region 2 SOP HW-25, Revision 3, 12/10
PCB Congeners	EDS SOP: Congener PCB, Rev. 3, 7/10
Chlorinated Herbicides	USEPA Region 2 SOP HW-17, Revision 3, 7/08
TOC	EDS SOP: TOC-01 Rev. 2, 7/10
Oxidation Reduction Potential	EDS SOP: ORP, Rev. 0, 7/14
TEPH	EDS SOP: TEPH-01 Rev. 3, 07/07
Total Phosphorus	USEPA Inorganic Data Review, OSWER 9240.1-51 EPA-540-R-10-011, 01/10
Acid Volatile Sulfide	USEPA Inorganic Data Review, OSWER 9240.1-51 EPA-540-R-10-011, 01/10
Total Kjeldahl Nitrogen	USEPA Inorganic Data Review, OSWER 9240.1-51 EPA-540-R-10-011, 01/10
Ammonia Nitrogen	USEPA Inorganic Data Review, OSWER 9240.1-51 EPA-540-R-10-011, 01/10
pH	USEPA Inorganic Data Review, OSWER 9240.1-51 EPA-540-R-10-011, 01/10
Grain Size	EDS SOP-14, Revision 2 – Verification/Validation Geotechnical Data

The verification/validation standard operating procedures (SOPs), as referenced above, are provided in Appendix N of the QAPP. The data verification/validation process is detailed in Worksheets #34, #35, and #36 of the QAPP.

3.1 DATA QUALITY ISSUES

Two types of data quality issues are discussed in this section; systematic data quality issues and random data quality issues. Systematic data quality issues are those that are identified as having a consistent impact on the quality of results reported (i.e., data quality of all samples and/or analytical groups are affected by a single data quality issue), due to a common circumstance or procedural application. Systematic data quality issues are described in Section 3.1.1. Random data quality issues are those that do not have a consistent impact on the quality of results (i.e., data quality for a specific sample(s) and/or analyte(s) are affected by the data quality issue). Random data quality issues are presented in Sections 3.1.2.

Section 3.1.2 summarizes the data validation findings related to random data quality issues for each analytical group. These validation findings have been separated into two distinct categories, major data quality issues and minor data quality issues. Major data quality issues are those that result in the qualification of the analytical value reported as "R", or rejected. This occurs due to the presence of significant QA/QC problems that render the analysis invalid and the results unusable. Minor data quality issues include all other QA/QC problems identified during the data validation process that require sample results to be qualified, indicating some level of uncertainty associated with the reported result.

Conclusions based on the information presented in these summaries can be found in Section 4 of this report.

3.1.1 Crab and Clam Tissue and Sediment Samples Systematic Data Quality Issues

No systematic data quality issues were identified during the crab and clam program sample validation task.

3.1.2 Crab and Clam Tissue and Sediment Samples Random Data Quality Issues by Analytical Group

Semivolatile Organic Compounds

The crab and clam program sample SVOC dataset is comprised of 111 crab tissue samples with 5883 associated results, 18 clam tissue samples with 954 associated results, and 19 sediment samples with 1007 associated results.

One major data quality issue was identified during validation of the crab and clam program SVOC analyses. The identified major data quality issue is described in the table below.

Eight minor data quality issues were identified in the crab and clam program SVOC dataset. The identified minor data quality issues are described in the tables below.

Major Data Quality Issues					
Semivolatile Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC Results Affected**
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	5883	1	53	0.90

Minor Data Quality Issues					
Semivolatile Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC Results Affected**
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	5883	59	134	2.28
Non-compliant initial calibration relative percent difference	Overall Accuracy/Bias	5883	4	4	0.69
Non-compliant laboratory control sample	Overall Accuracy/Bias	5883	29	29	0.49
Non-compliant internal standard recovery	Overall Accuracy/Bias	5883	5	104	1.77
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	5883	2	106	1.80
Non-compliant holding time	Representativeness	5883	1	53	0.90

Minor Data Quality Issues					
Semivolatile Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC Results Affected**
Non-compliant initial calibration relative percent difference	Overall Accuracy/Bias	954	15	15	1.57
Non-compliant laboratory control sample	Overall Accuracy/Bias	954	15	15	1.57
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	954	1	53	5.56

Minor Data Quality Issues					
Semivolatile Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC Results Affected**
Laboratory blank contamination	Accuracy/Bias Contamination	1007	3	3	0.30
Non-compliant initial calibration relative percent difference	Overall Accuracy/Bias	1007	4	10	0.99
Received outside of temperature range	Overall Accuracy/Bias	1007	3	159	15.8

As stated in the table above for major data quality issues, 53 SVOC results were rejected due to surrogate recovery. Surrogate recoveries which resulted in major data quality issues (rejected) fell below 10% recovery.

Volatile Organic Compounds

The crab and clam program VOC dataset is comprised of 19 sediment samples with 76 associated results.

No major data quality issues were identified during validation of the crab and clam program VOC analyses.

Four minor data quality issues were identified during validation of the crab and clam program VOC analyses. The identified minor data quality issues are described in the table below.

Minor Data Quality Issues					
VOC Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of VOC Results Affected**
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Overall Accuracy/Bias	76	1	3	3.95
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	76	1	4	5.26
Non-compliant internal standard recovery	Overall Accuracy/Bias	76	1	4	5.26
Received outside of temperature range	Overall Accuracy/Bias	76	3	12	15.8

Aroclor Polychlorinated Biphenyls

The crab and clam program Aroclor PCB dataset is comprised of 111 crab tissue samples with 999 associated results, 18 clam tissue samples with 162 associated results, and 18 sediment samples with 171 associated results.

No major data quality issues were identified during validation of the crab and clam program Aroclor PCB analyses.

Five minor data quality issues were identified in the crab and clam program Aroclor PCB dataset. The identified minor data quality issues are described in the tables below.

Minor Data Quality Issues					
Aroclor PCBs Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Aroclor PCB Results Affected**
Non-compliant aroclor identification percent difference	Precision	999	4	4	0.40
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	999	1	1	0.10
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	999	9	9	0.90
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	999	1	2	0.20

Minor Data Quality Issues					
Aroclor PCBs Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Aroclor PCB Results Affected**
Non-compliant aroclor identification percent difference	Precision	162	6	6	3.70

Minor Data Quality Issues					
Aroclor PCBs Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Aroclor PCB Results Affected**
Non-compliant aroclor identification percent difference	Precision	171	12	17	4.09
Received outside of temperature range	Overall Accuracy/Bias	171	3	27	15.8

Butyltins

The crab and clam program Butyltins dataset is comprised of 111 crab tissue samples with 444 associated results, 18 clam tissue samples with 72 associated results, and 19 sediment samples with 76 associated results.

One major data quality issue was identified during validation of the crab and clam program Butyltins analyses. The identified major data quality issue is described in the table below.

Four minor data quality issues were identified in the crab and clam program Butyltins dataset. The identified minor data quality issues are described in the tables below.

Major Data Quality Issues					
Butyltins Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Butyltins Results Affected**
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	444	1	4	0.90

Minor Data Quality Issues					
Butyltins Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Butyltins Results Affected**
Non-compliant initial calibration regression coefficient	Overall Accuracy/Bias	444	20	42	9.46
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	444	19	73	16.4
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	444	33	132	29.7

Minor Data Quality Issues					
Butyltins Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Butyltins Results Affected**
Non-compliant initial calibration regression coefficient	Overall Accuracy/Bias	72	1	1	1.39
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	72	1	1	1.39

Minor Data Quality Issues					
Butyltins Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Butyltins Results Affected**
Non-compliant holding time	Representativeness	76	1	4	5.26

As stated in the table above for major data quality issues, four butyltin results were rejected due to surrogate recovery. Surrogate recoveries which resulted in major data quality issues (rejected) fell below 10% recovery.

Organochlorine Pesticides

The crab and clam program Organochlorine Pesticide dataset is comprised of 111 crab tissue samples with 3219 associated results, 18 clam tissue samples with 522 associated results, and 19 sediment samples with 551 associated results.

One major data quality issue was identified during validation of the crab and clam program Organochlorine Pesticide analyses. The identified major data quality issue is described in the tables below.

Thirteen minor data quality issues were identified in the crab and clam program Organochlorine Pesticide dataset. The identified minor data quality issues are described in the tables below.

Major Data Quality Issues					
Organochlorine Pesticide Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Organochlorine Pesticide Results Affected**
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	3219	69	177	5.50

Major Data Quality Issues					
Organochlorine Pesticide Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Organochlorine Pesticide Results Affected**
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	522	4	7	1.34

Minor Data Quality Issues					
Organochlorine Pesticide Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Organochlorine Pesticide Results Affected**
Non-compliant ongoing recovery and precision	Precision	3219	5	145	4.50
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	3219	5	13	0.40
Laboratory blank contamination	Accuracy/Bias Contamination	3219	15	15	0.47
Field blank contamination	Accuracy/Bias Contamination	3219	17	47	1.46
Non-compliant identification relative abundance criteria	Overall Accuracy/Bias	3219	97	97	3.01
Non-compliant ion abundance ratio	Overall Accuracy/Bias	3219	2	3	0.09
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	3219	5	17	0.53
Non-compliant internal standard recovery	Overall Accuracy/Bias	3219	29	45	1.40
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	3219	79	163	5.06
Non-compliant holding time	Representativeness	3219	5	145	4.50

Minor Data Quality Issues					
Organochlorine Pesticide Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Organochlorine Pesticide Results Affected**
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	522	1	2	0.38
Laboratory blank contamination	Accuracy/Bias Contamination	522	2	2	0.38
Field blank contamination	Accuracy/Bias Contamination	522	4	27	5.17
Non-compliant identification relative abundance criteria	Overall Accuracy/Bias	522	15	15	2.87
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	522	1	3	0.57
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	522	2	3	0.57

Minor Data Quality Issues					
Organochlorine Pesticide Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Organochlorine Pesticide Results Affected**
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	551	1	1	0.18
Non-compliant field duplicate relative percent difference	Precision	551	2	2	0.36
Laboratory blank contamination	Accuracy/Bias Contamination	551	5	7	1.27
Non-compliant signal to noise ratio	Overall Accuracy/Bias	551	1	18	3.27
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	551	1	1	0.18
Received outside of temperature range	Overall Accuracy/Bias	551	1	29	5.26

As stated in the tables above for major data quality issues, 184 organochlorine pesticide results were rejected due to surrogate recovery. Surrogate recoveries which resulted in major data quality issues (rejected) fell below 10% recovery. Surrogate recoveries which also resulted in major data quality issues (rejected) were surrogate recoveries below 25% with the associated result not detected.

Saturated Hydrocarbons

The crab and clam program Saturated Hydrocarbons dataset is comprised of 19 sediment samples with 665 associated results.

No major data quality issues were identified during validation of the crab and clam program Saturated Hydrocarbons analyses.

Five minor data quality issues were identified in the crab and clam program Saturated Hydrocarbons dataset. The identified minor data quality issues are described in the table below.

Minor Data Quality Issues					
Saturated Hydrocarbon Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Saturated Hydrocarbon Results Affected**
Non-compliant field duplicate relative percent difference	Precision	665	2	6	0.90
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	665	6	24	3.61
Non-compliant laboratory control standard recovery	Overall Accuracy/Bias	665	19	163	24.5
Received outside of temperature range	Overall Accuracy/Bias	665	3	105	15.8
Non-compliant holding time	Representativeness	665	1	35	5.26

Semivolatile Organic Compounds - Selective Ion Monitoring

The crab and clam program SVOCs SIM dataset is comprised of 111 crab tissue samples with 4218 associated results, 18 clam tissue samples with 684 associated results, and 19 sediment samples with 722 associated results.

No major data quality issues were identified during validation of the crab and clam program SVOCs SIM analyses.

Seven minor data quality issues were identified in the crab and clam program SVOCs SIM dataset. The identified minor data quality issues are described in the tables below.

Minor Data Quality Issues					
Semivolatile SIM Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC SIM Results Affected**
Non-compliant initial calibration relative percent difference	Overall Accuracy/Bias	4218	8	11	0.26
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	4218	33	53	1.26
Non-compliant project specific surrogate recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	4218	36	177	4.20
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	4218	2	8	0.19

Minor Data Quality Issues					
Semivolatile SIM Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC SIM Results Affected**
Non-compliant initial calibration relative percent difference	Overall Accuracy/Bias	684	14	14	2.05
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	684	4	4	0.58

Minor Data Quality Issues					
Semivolatile SIM Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of SVOC SIM Results Affected**
Non-compliant field duplicate relative percent difference	Precision	722	2	20	2.77
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	722	2	17	2.35
Received outside of temperature range	Overall Accuracy/Bias	722	3	114	15.8
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	722	3	31	4.29

Metals (including SEM)

The crab and clam program Metals dataset is comprised of 111 crab tissue samples with 2442 associated results, 18 clam tissue samples with 396 associated results, and 19 sediment samples with 532 associated results.

No major data quality issues were identified during validation of the crab and clam program Metals analyses.

Six minor data quality issues were identified in the crab and clam program Metals dataset. The identified minor data quality issues are described in the tables below.

Minor Data Quality Issues					
Metals Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Metals Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	2442	5	14	0.57
Non-compliant matrix pike/matrix spike duplicate relative percent difference	Precision	2442	3	17	0.70
Continuing calibration blank contamination	Accuracy/Bias Contamination	2442	13	16	0.66
Non-compliant interference check sample	Accuracy/Bias Contamination	2442	4	16	0.66
Non-compliant serial dilution	Overall Accuracy/Bias	2442	4	9	0.37
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	2442	7	82	3.36

Minor Data Quality Issues					
Metals Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Metals Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	396	1	1	0.25
Non-compliant interference check sample	Overall Accuracy/Bias	396	14	56	14.1
Non-compliant serial dilution	Overall Accuracy/Bias	396	1	2	0.51

Minor Data Quality Issues					
Metals Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Metals Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	532	2	15	2.82
Non-compliant serial dilution	Overall Accuracy/Bias	532	3	19	3.57
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	532	3	29	5.45

Titanium

The crab and clam program Titanium dataset is comprised of 111 crab tissue samples with 111 associated results, 18 clam tissue samples with 18 associated results, and 19 sediment samples with 19 associated results.

No major data quality issues were identified during validation of the crab and clam program Titanium analyses.

Three minor data quality issues were identified in the crab and clam program Titanium dataset. The identified minor data quality issues are described in the tables below.

Minor Data Quality Issues					
Titanium Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Titanium Results Affected**
Continuing calibration blank contamination	Accuracy/Bias Contamination	111	17	17	15.3

Minor Data Quality Issues					
Titanium Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Titanium Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	19	1	1	5.26
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	3	3	15.8

Mercury

The Crab and Clam Sampling and Analysis mercury dataset is comprised of 111 crab tissue samples with 111 associated results, 18 clam tissue samples with 18 associated results, and 19 sediment samples with 19 associated results.

No major quality issues were identified during validation of the Crab and Clam Sampling and Analysis mercury analyses.

One minor quality issue was identified during validation of the Crab and Clam Sampling and Analysis mercury analyses. The identified minor data quality issue is described in the table below.

Minor Data Quality Issues					
Mercury Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Mercury Results Affected**
Non-compliant field duplicate relative percent difference	Precision	19	2	2	10.5

Methylmercury

The crab and clam program methylmercury dataset is comprised of 111 crab tissue samples with 111 associated results, 18 clam tissue samples with 18 associated results, and 19 sediment samples with 19 associated results.

One major data quality issue was identified during validation of the crab and clam program methylmercury analyses. The identified major data quality issue is described in the table below.

Three minor data quality issues were identified during validation of the crab and clam program methylmercury analyses. The identified minor data quality issues are described in the tables below.

Major Data Quality Issues					
Methylmercury Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Methylmercury Results Affected**
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	111	3	3	2.70

Minor Data Quality Issues					
Methylmercury Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Methylmercury Results Affected**
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	111	3	3	2.70
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	111	4	4	3.60

Minor Data Quality Issues					
Methylmercury Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Methylmercury Results Affected**
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	18	1	1	5.56

Minor Data Quality Issues					
Methylmercury Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Methylmercury Results Affected**
Non-compliant field duplicate relative percent difference	Precision	19	2	2	10.5
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	19	1	1	5.26
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	1	1	5.26

As stated in the table above for major data quality issues, three methylmerucry results were rejected due to matrix spike/matrix spike duplicate recovery. Matrix spike/matrix spike duplicate recoveries which resulted in major data quality issues (rejected) fell below 10% recovery. Matrix spike/matrix spike duplicate recoveries which also resulted in major data quality issues (rejected) were matrix spike/matrix spike duplicate recoveries above 200% with the associated results detected.

Cyanide

The crab and clam program Cyanide dataset is comprised of 19 sediment samples with 19 associated results.

One minor data quality issue was identified in the crab and clam program Cyanide dataset. The identified minor data quality issue is described in the table below.

Minor Data Quality Issues					
Cyanide Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Cyanide Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	19	1	1	5.26

Hexavalent Chromium

The crab and clam program Hexavalent Chromium dataset is comprised of 19 sediment samples with 19 associated results.

One major data quality issue was identified during validation of the crab and clam program Hexavalent Chromium analyses. The identified major data quality issue is described in the table below.

One minor data quality issue was identified in the crab and clam program Hexavalent Chromium dataset. The identified minor data quality issue is described in the table below.

Major Data Quality Issues					
Hexavalent Chromium Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Hexavalent Chromium Results Affected**
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	7	7	36.8

Minor Data Quality Issues					
Hexavalent Chromium Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Hexavalent Chromium Results Affected**
Received outside of temperature range	Overall Accuracy/Bias	19	3	3	15.8

As stated in the table above for major data quality issues, seven hexavalent chromium results were rejected due to matrix spike/matrix spike duplicate recovery. Matrix spike/matrix spike duplicate recoveries which resulted in major data quality issues (rejected) fell below 50% recovery.

Sulfide

The crab and clam program Sulfide dataset is comprised of 19 sediment samples with 19 associated results.

One major data quality issue was identified during validation of the crab and clam program Sulfide analyses. The identified major data quality issue is described in the table below.

Three minor data quality issues were identified in the crab and clam program Sulfide dataset. The identified minor data quality issues are described in the table below.

Major Data Quality Issues					
Sulfide Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Sulfide Results Affected**
Non-compliant holding time	Representativeness	19	1	1	5.26

Minor Data Quality Issues					
Sulfide Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Sulfide Results Affected**
Non-compliant field duplicate relative percent difference	Precision	19	2	2	10.5
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	1	1	5.26
Non-compliant holding time	Representativeness	19	2	2	10.5

As stated in the table above for major data quality issues, one sulfide result was rejected due to non-compliant holding time. Non-compliant holding time which resulted in a major data quality issue (rejected) was result analyzed outside of 2X the holding time.

Polychlorinated Dibenzo-p-dioxins / Polychlorinated Dibenzofurans

The crab and clam program PCDDs/PCDFs dataset is comprised of 111 crab tissue samples with 1887 associated results, 18 clam tissue samples with 306 associated results, and 19 sediment samples with 323 associated results.

Two major data quality issues were identified during validation of the crab and clam program PCDD/PCDF analyses. The identified minor data quality issues are described in the tables below.

Seven minor data quality issues were identified in the crab and clam program PCDD/PCDF dataset. The identified minor data quality issues are described in the tables below.

Major Data Quality Issues					
PCDDs/PCDFs Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCDD/PCDF Results Affected**
Non-compliant project specific labeled analog recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	306	1	1	0.33

Major Data Quality Issues					
PCDDs/PCDFs Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCDD/PCDF Results Affected**
Non-compliant ion abundance ratio	Overall Accuracy/Bias	323	4	4	1.24

Minor Data Quality Issues					
PCDDs/PCDFs Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCDD/PCDF Results Affected**
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	1887	5	5	0.26
Non-compliant sample ion ratio	Overall Accuracy/Bias	1887	2	2	0.11

Minor Data Quality Issues					
PCDDs/PCDFs Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCDD/PCDF Results Affected**
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	306	7	8	2.61
Non-compliant sample ion ratio	Overall Accuracy/Bias	306	3	3	0.98
Non-compliant project specific labeled analog recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	306	1	1	0.33

Minor Data Quality Issues					
PCDDs/PCDFs Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCDD/PCDF Results Affected**
Non-compliant field duplicate relative percent difference	Precision	323	2	4	1.24
Laboratory blank contamination	Accuracy/Bias Contamination	323	1	3	0.93
Non-compliant sample data calibration range	Overall Accuracy/Bias	323	2	2	0.62
Non-compliant continuing calibration percent difference	Overall Accuracy/Bias	323	1	1	0.31
Non-compliant sample ion ratio	Overall Accuracy/Bias	323	7	9	2.79
Received outside of temperature range	Overall Accuracy/Bias	323	3	51	15.8

As stated in the table above for major data quality issues, five PCDD/PCDF results were rejected due to labeled analog recovery and ion abundance ratios. Labeled analog recoveries which resulted in major data quality issues (rejected) fell below 10% recovery. Labeled analog recoveries which also resulted in major data quality issues (rejected) were surrogate recoveries below 25% with the associated result not detected.

Polychlorinated Biphenyl Congeners

The crab and clam program PCB Congener dataset is comprised of 111 crab tissue samples with 18648 associated results, 18 clam tissue samples with 3024 associated results, and 19 sediment samples with 3192 associated results.

Two major data quality issues were identified during validation of the crab and clam program PCB Congener analyses. The identified major quality issues are described in the tables below.

Eight minor data quality issues were identified in the crab and clam program PCB Congener datasets. The identified minor data quality issues are described in the tables below.

Major Data Quality Issues					
PCB Congeners Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCB Congener Results Affected**
Non-compliant continuing calibration relative retention times	Overall Accuracy/Bias	18648	93	733	3.93
Non-complaint ion abundance ratio	Overall Accuracy/Bias	18648	1	1	0.01

Major Data Quality Issues					
PCB Congeners Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCB Congener Results Affected**
Non-compliant continuing calibration relative retention times	Overall Accuracy/Bias	3024	12	45	1.49
Non-complaint ion abundance ratio	Overall Accuracy/Bias	3024	1	1	0.03

Minor Data Quality Issues					
PCB Congeners Crab Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCB Congener Results Affected**
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	18648	1	2	0.01
Laboratory blank contamination	Accuracy/Bias Contamination	18648	94	652	3.50
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	18648	4	84	0.45
Non- compliant ongoing precision and recovery	Overall Accuracy/Bias	18648	4	7	0.04
Non-compliant project specific labeled analog recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	18648	16	58	0.31
Non-compliant holding time	Representativeness	18648	7	1176	6.31

Minor Data Quality Issues					
PCB Congeners Clam Tissue	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCB Congener Results Affected**
Laboratory blank contamination	Accuracy/Bias Contamination	3024	15	39	1.29
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	3024	1	49	1.62
Non- compliant ongoing precision and recovery	Overall Accuracy/Bias	3024	1	1	0.03
Non-compliant project specific labeled analog recovery, as specified by USEPA Region 2	Overall Accuracy/Bias	3024	1	2	0.07

Minor Data Quality Issues					
PCB Congeners Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of PCB Congener Results Affected**
Non-compliant matrix spike/matrix spike duplicate relative percent difference	Precision	3192	1	1	0.03
Non-compliant field duplicate relative to duplicate difference	Precision	3192	2	2	0.06
Laboratory blank contamination	Accuracy/Bias Contamination	3192	15	19	0.60
Non- compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	3192	1	143	4.48
Non-compliant ongoing precision and recovery	Overall Accuracy/Bias	3192	1	1	0.03
Received outside of holding time	Representativeness	3192	3	504	15.8

As stated in the tables above for major data quality issues, 780 PCB congener results were rejected due to continuing calibration relative retention times and ion abundance ratios.

Chlorinated Herbicides

The crab and clam program Chlorinated Herbicide dataset is comprised of 19 sediment samples with 76 associated results.

No major data quality issues were identified during validation of the crab and clam program Chlorinated Herbicide analyses.

Two minor data quality issues were identified in the crab and clam program Chlorinated Herbicide dataset. The identified minor data quality issues are described in the table below.

Minor Data Quality Issues					
Chlorinated Herbicide Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Chlorinated Herbicide Results Affected**
Non-compliant Herbicide identification analysis percent difference	Precision	76	1	1	1.32
Received outside of temperature range	Overall Accuracy/Bias	76	3	12	15.8

Total Organic Carbon (TOC)

The crab and clam program TOC dataset is comprised of 19 sediment samples with 19 associated results.

No major data quality issues were identified during validation of the crab and clam program TOC analyses.

One minor data quality issue was identified in the crab and clam program TOC dataset. The identified minor data quality issue is described in the table below.

Minor Data Quality Issues					
TOC Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of TOC Results Affected**
Received outside of temperature range	Overall Accuracy/Bias	19	3	3	15.8

Oxidation Reduction Potential (ORP)

The crab and clam program ORP dataset is comprised of 19 sediment samples with 19 associated results.

No major data quality issues were identified during validation of the crab and clam program ORP analyses.

Two minor data quality issue was identified in the crab and clam program ORP dataset. The identified minor data quality issues are described in the table below.

Minor Data Quality Issues					
ORP Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of ORP Results Affected**
Non-compliant field duplicate relative percent difference	Precision	19	2	2	10.5
Non-compliant laboratory duplicate relative percent difference	Precision	19	2	2	10.5

Total Extractable Petroleum Hydrocarbon (TEPH)

The crab and clam program TEPH dataset is comprised of 19 sediment samples with 19 associated results.

No major data quality issues were identified during validation of the crab and clam program TEPH analyses.

One minor data quality issue was identified in the crab and clam program TEPH data set. The identified minor data quality issue is described in the table below.

Minor Data Quality Issues					
TEPH Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of TEPH Results Affected**
Received outside of temperature range	Overall Accuracy/Bias	19	3	3	15.8

Total Phosphorus

The crab and clam program Total Phosphorus dataset is comprised of 19 sediment samples with 19 associated results.

No major data quality issues were identified during validation of the crab and clam program Total Phosphorus analyses.

Three minor data quality issue was identified in the crab and clam program sediment Total Phosphorus dataset. The identified minor data quality issues are described in the table below.

Minor Data Quality Issues					
Total Phosphorus Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Total Phosphorus Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	19	2	2	10.5
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	2	2	10.5
Received outside of temperature range	Overall Accuracy/Bias	19	3	3	15.8

Acid Volatile Sulfide (AVS)

The crab and clam program AVS dataset is comprised of 19 sediment samples with 19 associated results.

Two major data quality issues were identified during validation of the crab and clam program AVS analyses. The identified major data quality issues are described in the table below.

Four minor data quality issues were identified in the crab and clam program AVS dataset. The identified minor data quality issues are described in the table below.

Major Data Quality Issues					
AVS Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of AVS Results Affected**
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	1	1	5.26
Received outside of temperature range	Overall Accuracy/Bias	19	1	1	5.26

Minor Data Quality Issues					
AVS Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of AVS Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	19	1	1	5.26
Non-compliant laboratory control sample recovery	Overall Accuracy/Bias	19	1	1	5.26
Non-compliant matrix spike/matrix spike duplicate recovery	Overall Accuracy/Bias	19	1	1	5.26
Received outside of temperature range	Overall Accuracy/Bias	19	2	2	10.5

As stated in the table above for major data quality issues, two AVS results were rejected due to matrix spike/matrix spike duplicate recoveries and sample receipt outside of temperature range. Matrix spike/matrix spike duplicate recoveries which resulted in major data quality issues (rejected) fell below 30% recovery with the associated result not detected. Sample receipt outside of temperature range which resulted in major data quality issues (rejected) was non-detect result in sample received outside of acceptable temperature range.

Total Kjeldahl Nitrogen (TKN)

The crab and clam program TKN dataset is comprised of 19 sediment samples with 19 associated results.

One major data quality issue was identified during validation of the crab and clam program TKN analyses. The identified major data quality issue is described in the table below.

Two minor data quality issues were identified in the crab and clam program TKN dataset. The identified minor data quality issues are described in the table below.

Major Data Quality Issues					
TKN Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of TKN Results Affected**
Received outside of temperature range	Overall Accuracy/Bias	19	1	1	5.26

Minor Data Quality Issues					
TKN Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of TKN Results Affected**
Non-compliant laboratory duplicate relative percent difference	Precision	19	3	3	15.8
Received outside of temperature range	Overall Accuracy/Bias	19	2	2	10.5

As stated in the table above for major data quality issues, one AVS result was rejected due to sample receipt outside of temperature range. Sample receipt outside of temperature range which resulted in major data quality issues (rejected) was non-detect result in sample received outside of acceptable temperature range.

Ammonia Nitrogen

The crab and clam program Ammonia Nitrogen dataset is comprised of 19 sediment samples with 19 associated results.

One major data quality issue was identified during validation of the crab and clam program Ammonia Nitrogen analyses. The identified major data quality issue is described in the table below.

No minor data quality issues were identified during validation of the crab and clam program crab and clam program Ammonia Nitrogen analyses.

Major Data Quality Issues					
Ammonia Nitrogen Sediment	**Data Quality Parameter Affected**	**Total Number of Results Reported**	**Number of Samples Affected**	**Number of Results Affected**	**% of Ammonia Nitrogen Results Affected**
Received outside of temperature range	Overall Accuracy/Bias	19	3	3	15.8

As stated in the table above for major data quality issues, three ammonia nitrogen results were rejected due to sample receipt outside of temperature range. Sample receipt outside of temperature range which resulted in major data quality issues (rejected) was non-detect results in sample received outside of acceptable temperature range.

pH

The crab and clam program pH dataset is comprised of 19 sediment samples with 19 associated results.

No major or minor data quality issues were identified during validation of the crab and clam program pH analyses.

Geotechnical

The crab and clam program grain size dataset is comprised of 19 sediment samples with 323 associated results.

No major or minor data quality issues were identified during the verification of the crab and clam program grain size analyses.

4.0 CONCLUSIONS

The data usability evaluations outlined in this report provides details regarding the relationship of data quality issues to associated samples and sample results. Ninety-eight (98%) percent of the data validated and reported are suitable for their intended use. A total of 53 sample results for the SVOC were rejected due to surrogate recoveries. A total of four sample results for butyltins were rejected due to surrogate recoveries. A total of 184 sample results for the organochlorine pesticide analyses were rejected due to surrogate recoveries. A total of three sample results for the methylmercury analyses were rejected due to matrix spike/matrix spike duplicate recoveries. A total of seven sample results for the hexavalent chromium analyses were rejected due to matrix spike/matrix spike duplicate recoveries. A total of one sample result for the sulfide analyses was rejected due to hold time violation. A total of five sample results for the PCDD/PCDF analyses were rejected due to labeled analog recovery and ion abundance ratios. A total of 780 sample results for the PCB congeners analyses were rejected due to continuing calibrations relative retention times and ion abundance ratios. A total of two sample results for the AVS analyses were rejected due to matrix spike/matrix spike duplicate recoveries and sample receipt outside of temperature range. A total of one sample result for TKN analyses was rejected due to sample receipt outside of temperature range. A total of three sample results for ammonia nitrogen analyses were rejected due to sample receipt outside of temperature range. Sample results that were rejected are not suitable for project use. Sample results that are qualified as estimated due to multiple minor data quality issues as detailed in this report are suitable for project use. The achievement of the completeness goals for number of samples collected and the number of samples accepted for use provides sufficient quality data to support project decisions.

5.0 REFERENCES

Tierra 2014. Crab and Clam Sampling and Analysis Quality Assurance Project Plan, Revision 3a, August 2014.