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LOWER WILLAMETTE GROUP

PORTLAND HARBOR RI/FS

ROUND 2 BENTHIC TISSUE AND SEDIMENT DATA REPORT

DRAFT

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This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part.

September 1, 2006

Prepared for
The Lower Willamette Group

Prepared by
Integral Consulting Inc.
and
Windward Environmental LLC

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LIST OF ACRONYMS

ASTM	American Society for Testing of Materials
Axys	Axys Analytical Services
CAS	Columbia Analytical Services
CLP	Contract Laboratory Program
EDD	electronic data deliverable
EPA	U.S. Environmental Protection Agency
ERA	ecological risk assessment
EQuIS	Environmental Quality Information System
FSP	field sampling plan
FSR	field sampling report
GC/ECD	gas chromatography/electron capture detection
HHRA	human health risk assessment
HRGC/HRMS	high-resolution gas chromatography/high resolution mass spectrometry
LWG	Lower Willamette Group
NAS	Northwestern Aquatic Sciences
NOAA	National Oceanic and Atmospheric Administration
PAHs	polycyclic aromatic hydrocarbons
PARCC	precision, accuracy, representativeness, completeness, comparability
PCBs	polychlorinated biphenyls
PCDD/F	polychlorinated dibenzo-*p*-dioxin/furan
QA	quality assurance
QC	quality control
QAPP	quality assurance project plan
RI/FS	remedial investigation and feasibility study
RM	river mile
SCRA	site characterization and risk assessment
SDG	sample delivery group
SOP	standard operating procedure
SVOCs	semivolatile organic compounds
VOC	volatile organic compound

1.0 INTRODUCTION

The remedial investigation and feasibility study (RI/FS) of the Portland Harbor Superfund Site includes several rounds of field sampling activities to investigate the nature and extent of contamination in the in-water portion of the Site, to assess potential risk to human health and the environment, and to develop cleanup alternatives. Round 1 chemical and biological sampling took place during the summer and fall of 2002 and included extensive fish and shellfish tissue and some surface sediment collections. These results as well as the results of physical studies that continued into the winter of 2004 (e.g., the February 2004 bathymetry survey) are described in the Round 1 Site Characterization Summary Report (Integral 2004a).

Round 2 sampling activities included collection of the following types of data:

- Physical system survey data
- Surface and subsurface sediment chemistry and physical data
- Tissue chemistry data
- Benthic toxicity data
- Surface water chemistry data
- Groundwater, transition zone water, and sediment chemistry data
- Preliminary natural attenuation sampling (e.g., radioisotope cores).

Results from each of these collection efforts are documented under separate cover.

The Round 1 sampling effort included the collection of crayfish and a limited number (n=3) of clam samples for tissue chemical analysis (Integral 2004a). After reviewing these data, the Lower Willamette Group (LWG) and the U.S. Environmental Protection Agency (EPA) determined that additional benthic invertebrate chemistry data were needed for several components of the ecological risk assessment (ERA). LWG considered several potential sampling approaches for collecting sufficient tissue for invertebrates predominantly exposed through sediment and conducted a reconnaissance survey with a benthic sledge (Windward 2005). Based on the results from this effort, LWG concluded that the use of the benthic sledge for collecting clams (*Corbicula* sp.) would provide the best opportunity to collect the mass of tissue required to meet analytical goals.

The LWG and EPA determined that bioaccumulation testing would be conducted on freshwater oligochaetes (*Lumbriculus variegatus*) to estimate tissue concentrations for other common sediment-exposed benthic invertebrates. In addition, bioaccumulation testing would be conducted using *Corbicula fluminea* to facilitate the evaluation of the two different exposure estimates (field and lab).

This Round 2 Benthic Tissue and Sediment Data Report summarizes the results from the November through December 2005 sample collection effort designed to supplement the Round 1 benthic invertebrate tissue chemistry data set. A detailed description of the Round 2 benthic invertebrate and sediment collection effort is included in the field sampling report (FSR; Windward and Integral 2006).

Except where noted in the FSR (Windward and Integral 2006), all Round 2 benthic invertebrate collection field activities, including navigational positioning, sample collection, sample handling and processing, and data management, followed guidelines specified in the *Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue* (FSP; Windward and Integral 2005), the Round 2 Quality Assurance Project Plan (QAPP; Integral and Windward 2004), the Round 2 QAPP Addendum 2: PCB Congener Analysis in Sediment Samples (Integral 2004b) and the Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue (Integral and Windward 2005).

1.1 ROUND 2 SAMPLING OBJECTIVES

The purpose of Round 2 sampling was to fill in data gaps for the RI and risk assessments as well as initiate data collection for the FS. The specific objectives of the Portland Harbor benthic invertebrate tissue sampling effort were to:

- Measure constituents in benthic invertebrate tissue samples that represent benthic invertebrate prey organisms within the study area for use in the ERA fish, bird, and mammalian dietary exposure models. Clams represented most of the biomass collected and were chosen as a surrogate for other species.
- Measure constituents in benthic invertebrate tissue samples that represent benthic organisms within the study area for use in evaluating risk to benthic invertebrate organisms using the tissue residue line-of-evidence in the ERA.
- Measure constituents in bivalve tissue samples for use in the human health risk assessment (HHRA) recreational fisher exposure scenarios.
- Measure constituents in benthic invertebrate tissue samples that represent benthic organisms within the study area for use in calibrating the food web model.
- Use information from both field-collected and laboratory bioaccumulation tests to calculate site-specific biota-sediment accumulation factors.

1.2 REPORT ORGANIZATION

The remaining sections of this document include a summary of the data collection activities (Section 2); details on the laboratory sample analyses, data quality reviews, data management, and laboratory deviations (Section 3); results of bioaccumulation and chemical testing (Section 4); and references (Section 5).

Supporting information is provided in the following four appendices:

- **Appendix A**: Bioaccumulation Testing Validation Report
- **Appendix B**: Data Quality Summary
- **Appendix C**: Data Validation Reports (on CD only)
- **Appendix D**: SCRA (site characterization and risk assessment) Database, Excel Flat File Format (on CD)

2.0 DATA COLLECTION ACTIVITIES

This section summarizes the Round 2 benthic invertebrate and sediment collection activities during the November through December 2005 sampling event. Station navigation and positioning, record keeping, and sample handling and storage details are presented in the FSR (Integral and Windward 2006).

The sampling of clams (*Corbicula* sp.) was conducted between November 28 and December 14, 2005, at 33 EPA-approved areas between river mile (RM) 2 and RM 10 (Figure 2-1). Two species of mussels, tentatively identified as *Margaritifera falcata* and *Anodonta nuttalliana,* and ten Pacific lamprey (*Lampetra tridentata*) ammocoetes were incidentally collected during the clam sampling effort and were retained for possible future chemical analyses. Sediment sampling for chemical analysis and bioaccumulation testing was conducted from December 5-20, 2005, at the same 33 EPA-approved stations discussed above.

Sampling procedures for the collection of sediment and tissues followed those detailed in the FSP (Windward and Integral 2005), the Round 2 QAPP (Integral and Windward 2004), and QAPP Addenda 2 (Integral 2004b) and 6 (Integral and Windward 2005).

Bioaccumulation testing was performed on a total of 35 sediment samples, which included replicate samples at two stations, following procedures detailed in the Round 2 FSP, the Round 2 QAPP, and QAPP Addendum 6. Deviations from QAPP are discussed in the FSR and in Section 3.5 of this data report.

3.0 LABORATORY ANALYSIS AND DATA MANAGEMENT

The following sections describe the laboratory methods used for the bioaccumulation testing and for the chemical anlaysis of the tissue and sediment samples. Any deviations from the analytical methods detailed in the QAPP and QAPP Addenda 2 and 6 are described below. The data management subsection describes the data validation process from receipt of the laboratory data package to the generation of a final validated electronic data deliverable (EDD). Furthermore, it describes how the SCRA database was compiled into a series of compatible Excel tables, which were then distributed to the SCRA data users. The data validation reports are provided as Appendix C.

3.1 BIOACCUMULATION TESTING

Bioaccumulation tests with *Corbicula fluminea* and *Lumbriculus variegatus* were performed as presented in the FSP and QAPP Addendum 6 (Integral and Windward 2005; Windward and Integral 2005). Both tests were performed by Northwestern Aquatic Sciences (NAS) of Newport, Oregon. Bioaccumulation testing of 35 sediment samples was performed in two batches as summarized in Table 3-1.

The 28-day bioaccumulation test with *Corbicula fluminea* was conducted at 20 ± 1°C with a 16L: 8D photoperiod. Test chambers were 5-gallon aquaria containing 6.3 L of sediment and approximately 8 L of overlying water. The clams were exposed to test and negative control sediments. The test was conducted with three replicates per treatment. At test initiation, 59 clams (approximately 25 g of wet tissue weight) were placed into each test chamber. One replicate zero-time sample was collected and sent to Columbia Analytical Services, Inc. (CAS), of Kelso, Washington, for analysis. After 28 days, live clams were removed from the test sediments and rinsed with test dilution water. The clams from the three replicates were consolidated into one replicate for tissue analysis by placing them into one clean glass jar. The clam samples were frozen and shipped to CAS for analysis.

The 28-day bioaccumulation test with *Lumbriculus variegates* was conducted at 23 ± 1°C with a 16L: 8D photoperiod. Test chambers were 10-gallon aquaria containing 13 L of sediment and approximately 13 L of overlying water. The worms were exposed to test and negative control sediments. The test was conducted with three replicates per treatment. At test initiation, approximately 33.3 g of worms were placed in to each test chamber. One replicate zero-time sample was collected and sent to CAS for analysis. After 28 days, live worms were removed from the test sediments, cleaned of sediment and debris, and returned to clean water-filled beakers without sediment to depurate for 6 to 8 hours. After depuration the worms were rinsed with deionized water and placed into clean glass jars. The worms from the three replicates were consolidated into one replicate for tissue analysis. The worm samples were frozen and shipped to CAS for analysis.

3.2 CHEMICAL ANALYSES

This section summarizes the chemical analyses performed on the tissue and sediment samples.

3.2.1 Sediment Samples

Chemical analysis of sediment samples was completed by four laboratories: CAS (Kelso, WA, Redding, CA, and Houston, TX), Alta Analytical (El Dorado Hills CAS), Axys Analytical Services Ltd. (Axys; Sidney, BC, Canada), and Severn Trent Laboratories (STL; Tacoma WA). The laboratories and methods of analysis for the sediment samples are included in Table 3-2. The sediment samples were analyzed according to the sample preparation and analytical procedures in the Round 2 QAPP and the associated Addenda 2 and 6. Deviations from the QAPP and the associated Addenda 2 and 6 are noted in Section 3.5 of this report.

3.2.2 Tissue Samples

Chemical analyses of all tissue samples were performed by CAS and Axys. The laboratories and methods of analysis for the tissue samples are included in Table 3-3. The tissue samples were analyzed according to the sample preparation and analytical procedures in the Round 2 QAPP and the associated Addenda 2 and 6. Deviations from the QAPP and the associated Addenda 2 and 6 are noted in Section 3.5 of this report.

For the field-collected clam samples, a tissue compositing approach was developed in cooperation with EPA and its partners regarding which tows should be included in the composited tissue sample from each station. The compositing scheme is detailed in Table 3-2 of the FSR. In the field, the soft tissue biomass was estimated using the equation presented in the FSP (Windward and Integral 2005), which was based on the site-specific clam width-biomass relationship established during the Round 1 benthic tissue sampling effort. In the analytical laboratory, the clams were shucked, composited, and homogenized in accordance with the agreement reached with EPA and its partners about which tows to include in the composited tissue sample from each station. For all laboratory and field-collected tissue samples, after initial sample homogenization, and compositing if applicable, the total sample mass of each sample or composite was determined to verify if sufficient tissue mass was available for all analyses.

For the majority of field and laboratory tissue samples, sufficient sample mass was collected, and the tissue samples were analyzed as shown in Table 3-3. For 11 field-collected clam samples and 3 bioaccumulation worm samples, a revised analytical approach was necessary because an insufficient biomass was collected. This approach, developed in cooperation with EPA and its partners, is provided in Table 3-4.

3.3 DATA VALIDATION

3.3.1 Bioaccumulation Testing

Paul Dinnel of Dinnel Marine Resources, Anacortes, WA, an independent third party, reviewed the two bioaccumulation test protocols written by NAS prior to commencement of the sediment bioaccumulation study to ensure that protocols were up to date and included any recently published modifications. The reviewer found NAS protocols to be well written and consistent with the available EPA and ASTM protocols. Complete details of the data validation process are presented in *Quality Assurance Evaluations of Bioaccumulation Testing of Portland Harbor Sediments using the Oligochaete Lumbriculus Variegatus and the Freshwater Clam Corbicula Fluminea* (Appendix A). Paul Dinnel conducted two unannounced laboratory audits during sediment testing. A 100% external review and validation were performed on the bioaccumulation test data by Paul Dinnel.

3.3.2 Chemical Analyses

As specified in the Round 2 QAPP (Integral and Windward 2004), approximately 10% of the benthic tissue and sediment data were fully validated, and the remaining data were subjected to Level 3 data validation, which includes the evaluation and assessment of the sample results and applicable quality control results reported by the laboratory. The data validation subcontractor for the Round 2 benthic tissue and sediment data was EcoChem, Inc. (EcoChem), located in Seattle, WA. The first data package for each analytical method and sample type was additionally submitted to EPA for data validation by their QA Office.

The inorganic, organic, PCB congener, and PCDD/F data were validated in accordance with guidance specified by the EPA Contract Laboratory Program (CLP) *National Functional Guidelines for Inorganic and Organic Data Review* (EPA 1994a, 1999b, 2002b), by EPA Region 10 standard operating procedures (SOPs) for validation of PCB congener data and PCDD/F data (EPA 1994b, 1995, 1996, 1999a), and by *Guidance on Environmental Data Verification and Validation* (EPA 2002). Modifications were made to the Functional Guidelines to accommodate quality assurance/quality control (QA/QC) requirements of the non-CLP methods that were used for this project. Data qualifiers were assigned during data validation if applicable control limits were not met, in accordance with the EPA data validation guidelines and the quality control requirements included in the referenced methods. The data validation qualifiers and definitions are summarized in Table 3-5.

The following laboratory deliverables were reviewed during Level 3 validation:

- The case narrative discussing analytical problems (if any) and procedures.
- Chain-of-custody documentation and laboratory sample receipt logs.

- Instrument calibration results.
- Method blank results.
- Results for laboratory quality control samples required by the referenced method, including laboratory control sample/laboratory control sample duplicate analyses, matrix spike/matrix spike duplicate analyses, surrogate recoveries, and other method specific quality control samples (e.g., serial dilutions for inductively coupled plasma analyses).
- Results for field quality control samples (i.e., equipment blanks, field duplicates, and field split samples).
- Analytical results for the tissue and sediment samples.
- Pesticide and PCB Aroclor chromatograms for all sediment and tissue samples.

For data packages subjected to full validation, in addition to review and assessment of the documentation identified above, the validation included the verification of calculations of reported concentrations for the field and QC samples, verification of intermediate transcriptions, and review of instrument data such as mass spectra to verify analyte identification procedures.

After completing the data validation activities for each sample type, a data quality report and a tabular summary of qualified data were generated by EcoChem. The EcoChem data quality reports are included in Appendix C. Data qualifiers that were assigned during validation were added to the laboratory report forms and to the laboratory EDDs by EcoChem. The revised EDDs and the hard-copy data validation reports were submitted as the project deliverable. The revised EDDs were then incorporated into the project database, as described in Section 3.6.

3.4 DATA QUALITY AND USABILITY

Data generated in the field and at the laboratories were verified and validated according to the criteria and procedures described in the Round 2 QAPP Addendum 6 (Integral and Windward 2005). Data quality and usability were evaluated based on the results of the data validation and the data quality objectives for the Round 2 data. The performance criteria in the QAPP included project analytical goals for precision, accuracy, representativeness, completeness, and comparability (PARCC) of the Round 2 data.

The precision, accuracy, representativeness, and comparability of the data were assessed during data validation, as described in the Round 2 QAPP. Completeness is calculated by comparing the total number of acceptable data (nonrejected data) to the total number of data points generated. Completeness for the Round 2 benthic chemistry data was greater than 98% overall, which exceeds the QAPP

completeness objective of 95%. Completeness for the Round 2 benthic data is summarized by parameter group and matrix in Tables 3-6 (sediment) and 3-7 (tissue). Completeness ranged from 87 to 100% for the various parameter groups.

The validation report (Appendix C) provides detailed information on the data quality issues and data validation qualifiers for each parameter group for each laboratory data package. Qualified chemistry data for tissue samples are included in Table 4-5. Qualified chemistry data for sediment samples are included in Table 4-6. A complete list of qualified results with reason codes is provided in the data validation reports in Appendix C.

3.4.1 Field Quality Control Samples

Quality control samples were prepared in the field and at the laboratories to monitor the bias and precision of the sample collection and analysis procedures. For sediment samples, field replicate samples were generated by collecting an additional sediment sample at a designated station, processing this sample separately in the same manner as the original sample, and submitting the replicate as a separate sample for analysis at the laboratory. The field replicate sample results for sediments are summarized in Table 3-8. Two sediment equipment rinsate blanks were also collected in compliance with the FSP (Windward and Integral 2005) and QAPP Addendum 6 (Integral and Windward 2005).

For the field collected clam samples, clams from all targeted tows were composited at the laboratory for each sample, as detailed in Table 3-2 of the FSR (Windward and Integral 2006). Replicate clam tissue samples from two stations were subsequently created in the analytical laboratory by dividing the composited and homogenized samples for the stations into two jars.

For the clam and worm samples generated by the bioaccumulation tests, two replicate exposures were created at the bioassay laboratory. The tissue from each of the replicate exposures was subsequently treated as field replicates for the associated chemistry analyses. The replicate results for these tissue samples are summarized in Table 3-9. For all tissue samples (field and lab), a laboratory blank was created for each set of tissues that was composited and/or homogenized.

3.4.2 Summary of Qualified Data

Selected data not meeting the data quality criteria were qualified as undetected, estimated, tentatively identified, or rejected during validation, in accordance with the QAPP. A tabular summary of the results, with the data qualifiers, is included in Tables 4-5 and 4-6. A complete list of qualified results with reason codes is provided in Appendix C (on CD). Data qualified as undetected are usable for all intended purposes. Data qualified as estimated or tentatively identified are usable for all intended purposes, with the knowledge that these data may be less precise or less accurate than unqualified data. Rejected data are not usable for any purpose.

Concentrations associated with rejected data have been removed from the database, and an "R" qualifier is retained to flag the results that were removed.

3.5 LABORATORY DEVIATIONS FROM THE QAPP

This section discusses laboratory deviations from the Round 2 QAPP and QAPP Addendum 6. Deviations from the FSP (Windward and Integral 2005) were included in the FSR (Windward and Integral 2006).

3.5.1 Bioaccumulation Testing

The sediment bioaccumulation tests with *Corbicula fluminea* were conducted according to the QAPP with the deviations listed below. These deviations were deemed minor by the independent third-party reviewer, with no effect on the results. The data validation report is presented in Appendix A.

- The light intensity was less than the recommended 50 to 100 ft-c for both batches.
- In Batch 1, the temperature dropped below the specified 20 ± 1°C on days 13, 14, and 24 (lowest temperature was 17.5°C).
- In Batch 2, the temperature dropped below the specified 20 ± 1°C on days 21, 22, and 23 (lowest temperature was 18.7 °C).

The sediment bioaccumulation tests with *Lumbriculus variegatus* were conducted according to the QAPP with the deviations listed below. These deviations were deemed minor by the independent third-party reviewer, with no effect on the results. The data validation report is presented in Appendix A.

- The light intensity was less than the recommended 50 to 100 ft-c for Batch 1.
- The worms were not held for 24 hours prior to test initiation for two of the test sediments in Batch 1.
- In Batch 1, the temperature in one aquarium was slightly higher than the specified 23 ± 1°C on day 6 (24.1 °C).
- Ammonia levels in overlying water were not measured on day 3 (Batch 1).
- In Batch 2, the temperature in one aquarium was slightly higher than the specified 23 ± 1°C on day 18 (24.1 °C).
- The pH was not recorded for three aquaria on day 21 (Batch 2).

3.5.2 Chemical Analyses of Sediment Samples

The sediment analyses were conducted according to the Round 2 QAPP and the associated Addenda 2 and 6 with the exceptions described in this section.

Several analytes were not reported as listed in the Round 2 QAPP and Addenda 2 and 6, as follows:

- The laboratory included additional data for *cis*-1, 2-dichloroethene, and ethylene dibromide. These analytes were not listed in the target analyte list from Round 2 QAPP, Addendum 6.
- The laboratory reported results for azobenzene instead of 1, 2-diphenylhydrazine. The Round 2 QAPP Addendum 6 lists 1, 2-diphenylhydrazine as a target analyte. However, 1, 2-diphenylhydrazine is thermally unstable and decomposes into azobenzene during GC/MS analysis. For this reason 1, 2-diphenylhydrazine can not be reported, and the laboratory reported azobenzene.
- For tetrachlorophenol isomers, the coelutions reported by the lab were different from the analyte list in QAPP Addendum 6. The laboratory reported results for 2,3,4,5-tetrachlorophenol and 2,3,5,6-tetrachlorophenol. No results for 2,3,4,6-tetrachlorophenol were reported. Based on the analytical method used, 2,3,5,6-tetrachlorophenol coelutes with 2,3,4,6-tetrachlorophenol. In the target analyte list from the Round 2 QAPP Addendum 6, the co-elution was incorrectly listed as 2,3,4,5-tetrachlorophenol and 2,3,5,6-tetrachlorophenol.
- Analysis of organochlorine pesticides was initially performed as specified in the Round 2 QAPP Addendum 6 by gas chromatography/electron capture detection (GC/ECD) per EPA 8081A. In order to address EPA's concern about possible false positive results due to potential interferences from PCB Aroclors, and to generate results at lower detection limits, all sediment samples were reanalyzed at Axys by high-resolution gas chromatography/high resolution mass spectrometry (HRGC/HRMS). Except for toxaphene and in select cases where the HRGC/HRMS pesticide results were rejected during validation, all pesticide results are reported by the HRGC/HRMS method. All toxaphene results are reported from the EPA 8081A anlaysis.

3.5.3 Chemical Analyses of Tissue Samples

The tissue analyses were conducted according to the Round 2 QAPP and the associated Addenda 6 with the exceptions described in this section.

During the field operations, the minimum required biomass for field-collected clams as stated in the FSP (62 g wet weight [ww]) was initially reduced to 35 g ww

based on conversations between the laboratories, project managers, field crew, and EPA. Some of the reduction in target sample quantity was achieved through modifications of the analytical sample extraction procedures at CAS to use smaller final extract volumes. In addition, the analyses of organochlorine pesticides, PCB congeners, and PCDD/Fs were performed at Axys by HRGC/HRMS using an initial extraction of 10 g of tissue and subsequently fractionating the extract into separate aliquots for each analysis. This procedure is described in QAPP Addendum 6 (Integral and Windward 2005) as an option for pesticide analysis and was selected by LWG and EPA in preference to analysis by GC/ECD, the second option. The required sample quantity was further reduced for selected samples with limited biomass, during discussion with the laboratory, to a target mass of 30 g by combining aliquots for metals and moisture using a combined weight of 3 g and reducing the amount needed for mercury to 2 g for these samples. For samples where insufficient biomass was available, a revised analytical approach was developed in cooperation with EPA and its partners, as summarized in Table 3-4.

For tissue samples, results for PCB Aroclors were calculated based on evaluation of the PCB congener data. These data were not requested from Axys. All of the Aroclor results that were calculated by Axys were qualified as estimated and tentatively identified by EcoChem because the procedures were not sufficiently documented in the data package, and because the calculations were based on a small number of congeners. Axys has also indicated that the PCB patterns in the tissue samples did not resemble Aroclors. It is recommended that the data for PCB congeners be used in preference to Axys Aroclor data for the benthic tissue samples.

Axys did not provide dioxin data for three field clam samples (LW2-BTFC021, LW2-BTFC022, and LW2-BTFC025). Due to a laboratory error, the initial extracts for six field-collected clam samples were not correctly fractionated for dioxins/furans. Insufficient material remained at either Axys or CAS to allow a separate dioxin analysis for these three of these samples. No dioxin data are available for these samples. Sufficient material was available for re-anlaysis of the remaining three samples (LW2-BTFC017, LW2-BTFC020, and LW2-BTFC024). These samples were re-extracted and analyzed for dioxins/furans separately from the PCB and pesticide analyses. PCBs and pesticides were analyzed by Axys for all of these samples as planned.

Axys did not provide pesticide and PCB data for one field clam sample, LW2-BTFC009, because of low surrogate recovery. Results were rejected by Axys based on the poor surrogate recoveries and were not reported. Insufficient material remained at either Axys or CAS for re-anlaysis of this sample. All surrogate recoveries for the dioxins/furan analysis of this sample were acceptable and results were reported.

3.6 DATA MANAGEMENT

Once the laboratories completed their internal QA/QC checks, they exported the analytical data (sample, test, batch, and result information) into comma-delimited text files with data columns arranged in an order that was recognized by the project's Environmental Quality Information System (EQuIS) database. These EDDs were e-mailed to Integral where they were checked for proper EQuIS structure and appended with specific information that was unknown by the labs, such as sampling location, composite information, and field replicate and split information. If any problems were found in the structure of the EDDs, then the laboratory was notified and asked to correct the problem and resubmit the EDD. Each emailed EDD transmission, with the original, unaltered EDD attachment, was stored to document and track the laboratories' delivery of electronic data to Integral.

When the EDD was corrected and complete, they were checked electronically by loading them into the temporary section of Integral's LWG project database. In the process of loading, EQuIS checked the EDDs for correct lookup codes (such as for analytes, test methods, and sample matrices); proper relationships for results, tests, batches, and samples (to ensure all results matched with a test, tests with samples, and sample/test pairs with batches); and that all derived samples (such as replicates, splits, and matrix spikes) had corresponding parent samples.

In addition to these checks, EQuIS also checked "less important" characteristics, such as date and time formats and text field lengths, to ensure consistency throughout the database. Any error prevents the EDD from loading until the error is corrected. If errors were found that were related to the way the laboratory reported the data or constructed the EDD, then the laboratory was notified and asked to correct the problem and resubmit the EDD. If errors were related to Excel automatically formatting date and time fields, for example, then the error was corrected and steps were taken to avoid repeats of the problem (such as changing default settings in the software). Successfully loaded EDDs were saved to document and track the data that were loaded into Integral's LWG project database.

Each verified and accurate EDD was provided to the Round 2 data validation contractor (EcoChem, Seattle, WA) for data review and validation. These EDDs were also stored in a temporary section of the project database, where they could be queried and examined, if desired, until validation was complete. As EcoChem completed validation of the data by sample delivery group (SDG) or small groups of SDGs, the validator qualifiers and reason codes were applied to the data in the temporary section of the database. The validated data were then merged into the permanent project database. During the merging process, all previously performed electronic checks were repeated to ensure nothing was incorrectly modified with the application of the validation results.

Several queries were set up in the permanent project database to translate the data structure to a form compatible with the National Oceanic and Atmospheric Administration's (NOAA) Query Manager. The data translation included creating station and sample identifiers, converting the sample type code, and changing the date format. The translated data were imported into an Access file provided by NOAA that contained template tables for the Query Manager structure.

Integral's LWG project database contains all of the data reported by the analytical laboratories. This includes field and lab replicates, lab dilutions, results for the same analyte from multiple analytical methods (SW8270 and SW8270-SIM, for example), and laboratory QA samples such as matrix spikes, surrogates, and method blanks. The data handling rules described in *Guidelines for Data Averaging and Treatment of Non-detected Values for the Round 1 Database* (Kennedy Jenks et al. 2004) were used to create a data set for the SCRA data users that was simpler: the data set contained only one result per analyte per sample and excluded all of the laboratory QA results. This involved creating a SCRA database that excluded lab QA results, contained only the most appropriate dilution result and analytical method for each analyte, and contained the average of replicates. Excluding the lab QA results was a simple database querying step. Selection of the most appropriate dilution was either done by the reporting laboratory or by the data validator. Selection of the most appropriate analytical method was described in the guidelines document and was accomplished by flagging the appropriate method in the project database.

The guidelines document described the rules used for averaging data and carrying qualifiers. Because it was the most data manipulation intensive procedure, the data were divided into subgroups and approximately 40% of each subgroup was verified. If any problems were found with the averaging, then 100% of the subgroup was verified and problems were corrected. The preliminary SCRA database was compiled into a series of database-compatible Excel tables and distributed to the SCRA data users.

4.0 ROUND 2 RESULTS

The field tissue, bioaccumulation tissue and sediment data generated from this effort will be evaluated in conjunction with Round 1 data collected in 2004, and will be reported in the *Comprehensive Round 2 Site Characterization and Data Gaps Summary Report* in spring 2007.

4.1 BIOACCUMULATION TESTING

The primary purpose of the bioaccumulation tests was exposure of two invertebrate species (*Corbicula fluminea* and *Lumbriculus variegatus*) to 35 sediment samples collected in Portland Harbor and to have enough tissue after the exposure to measure the concentrations of selected chemicals in the tissue samples. In the QAPP Addendum 6 (Integral and Windward 2005), 62 g was the minimum wet tissue weight required to perform all chemical analyses. This weight requirement was later reduced to 35 g ww, in conjunction with changes for field collected tissues discussed in section 3.5 above.

Before the bioaccumulation tests with *Corbicula fluminea* were initiated, 20 clams from each batch were measured for width and weighed with and without shells (Table 4-1). The mean wet tissue weights for the two batches were 0.43 g and 0.41 g. The bioaccumulation laboratory therefore initiated the tests with 177 and 183 clams, respectively, which should have provided at least 75 g of wet tissue at the end of the 28-day exposure period, assuming that only a small number of the clams died. The survival rates for all test sediments and negative controls at test terminations ranged from 97 to 100% (Table 4-2). The surviving clams were rinsed with deionized water, placed in jars, and frozen.

A 4-day toxicity screening test with *Lumbriculus variegatus* was performed on each test sediment sample to ensure that the samples were not overly toxic prior to initiating the bioaccumulation test. The survival rates after the 4-day exposure ranged from 95 to 100% (Table 4-3). The bioaccumulation tests were initiated with approximately 100 g of wet tissue in each test sediment sample and negative control (Table 4-4). A relatively large amount of worm tissue was added at test initiation because, based on laboratory experience, worm biomass decreases during the 28-day exposure. The weights at test termination ranged from 38.5 to 107.8 g ww. After depuration in clean water, the worms were placed in jars and frozen.

4.2 CHEMICAL ANALYSES

Summary statistics for all sediment, field collected, and bioaccumulation tissue samples are compiled in Table 4-5. Results for all sediment, field collected, and bioaccumulation tissue samples are summarized in Tables 4-6 and 4-7.

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Figures

Figure 2-1. Portland Harbor Round 2 clam (*Corbicula* sp.) and sediment sampling stations

Wind Ward environmental LLC

Prepared by LSM 8-26-05, modified by CEJ 11-18-05 Map 1958, modified by AMW 01-27-06

W:\Projects\01-25-01 Portland Harbor ERA\Data\GIS\Post March 2005\invertebrate

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Tables

Table 3-1. Bioaccumulation Testing Schedule.

		Corbicula fluminea		*Lumbriculus variegatus*	
Sample ID	**Collection Date**	**Set-Up Date**	**Break-Down Date**	**Set-Up Date**	**Break-Down Date**
Batch 1					
LW2-GBT020	12/6/2005	12/22/2005	1/19/2006	12/14/2005	1/11/2006
LW2-GBT027-1	12/6/2005	12/22/2005	1/19/2006	12/14/2005	1/11/2006
LW2-GBT027-2	12/7/2005	12/22/2005	1/19/2006	12/15/2005	1/12/2006
LW2-GBT032	12/7/2005	12/22/2005	1/19/2006	12/15/2005	1/12/2006
LW2-GBT028	12/8/2005	12/22/2005	1/19/2006	12/15/2005	1/12/2006
LW2-GBT022	12/8/2005	12/22/2005	1/19/2006	12/16/2005	1/13/2006
LW2-GBT031	12/9/2005	12/22/2005	1/19/2006	12/16/2005	1/13/2006
LW2-GBT030	12/9/2005	12/22/2005	1/19/2006	12/16/2005	1/13/2006
LW2-GBT029	12/9/2005	12/22/2005	1/19/2006	12/19/2005	1/16/2006
LW2-GBT024	12/12/2005	12/22/2005	1/19/2006	12/19/2005	1/16/2006
LW2-GBT025	12/12/2005	12/22/2005	1/19/2006	12/19/2005	1/16/2006
LW2-GBT026	12/12/2005	12/22/2005	1/19/2006	12/20/2005	1/17/2006
LW2-GBT017	12/13/2005	12/22/2005	1/19/2006	12/20/2005	1/17/2006
LW2-GBT021	12/13/2005	12/22/2005	1/19/2006	12/20/2005	1/17/2006
LW2-GBT013	12/13/2005	12/22/2005	1/19/2006	12/21/2005	1/18/2006
LW2-GBT007	12/14/2005	12/22/2005	1/19/2006	12/21/2005	1/18/2006
LW2-GBT008	12/14/2005	12/22/2005	1/19/2006	12/21/2005	1/18/2006
Batch 2					
LW2-GBT009	12/14/2005	1/27/2006	2/24/2006	2/1/2006	3/1/2006
LW2-GBT011	12/15/2005	1/27/2006	2/24/2006	2/1/2006	3/1/2006
LW2-GBT004	12/15/2005	1/27/2006	2/24/2006	2/2/2006	3/2/2006
LW2-GBT003	12/15/2005	1/27/2006	2/24/2006	2/2/2006	3/2/2006
LW2-GBT006-1	12/16/2005	1/27/2006	2/24/2006	2/2/2006	3/2/2006
LW2-GBT006-2	12/16/2005	1/27/2006	2/24/2006	2/3/2006	3/3/2006
LW2-GBT005	12/16/2005	1/27/2006	2/24/2006	2/3/2006	3/3/2006
LW2-GBT010	12/16/2005	1/27/2006	2/24/2006	2/3/2006	3/3/2006
LW2-GBT012	12/16/2005	1/27/2006	2/24/2006	2/6/2006	3/6/2006
LW2-GBT018	12/16/2005	1/27/2006	2/24/2006	2/6/2006	3/6/2006
LW2-GBT001	12/19/2005	1/27/2006	2/24/2006	2/6/2006	3/6/2006
LW2-GBT002	12/19/2005	1/27/2006	2/24/2006	2/7/2006	3/7/2006
LW2-GBT014	12/19/2005	1/27/2006	2/24/2006	2/7/2006	3/7/2006
LW2-GBT016	12/19/2005	1/27/2006	2/24/2006	2/7/2006	3/7/2006
LW2-GBT033	12/19/2005	1/27/2006	2/24/2006	2/8/2006	3/8/2006
LW2-GBT015	12/20/2005	1/27/2006	2/24/2006	2/8/2006	3/8/2006
LW2-GBT019	12/20/2005	1/27/2006	2/24/2006	2/9/2006	3/9/2006
LW2-GBT023	12/20/2005	1/27/2006	2/24/2006	2/9/2006	3/9/2006

Table 3-2. Chemical Analyses of Sediment Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
Conventional Analyses	CAS Kelso				
Total solids		--	--	PSEP 1986	Balance
Grain size		--	--	PSEP 1986	Sieve and pipette method
Total sulfides		EPA 9030	Distillation	EPA 9030	Colorimetry
Ammonia		Plumb et al. 1981	KCl extraction	EPA 350.1	Colorimetry
Total organic carbon		Plumb et al. 1981	Acid pretreatment	Plumb et al. 1981	Combustion; coulometric titration
Metals	CAS Kelso				
Antimony, arsenic, cadmium, lead, silver,		EPA 3050	Strong acid digestion	EPA 6020	ICP/MS
Aluminum, chromium, copper, nickel, zinc		EPA 3050	Strong acid digestion	EPA 6010B	ICP/AES
Selenium		EPA 3050	Strong acid digestion	EPA 7742	AAS
		EPA 7742	Hydride generation		
Mercury		EPA 7471A	Acid digestion/oxidation	EPA 7471A	CVAA
Hexavalent chromium		EPA 3060A	Alkaline digestion	EPA 7196A	Colorimetry
Butyltins	CAS Kelso	Krone et al. 1988	Solvent extraction Derivatization	Krone et al. 1988	GC/FPD
Petroleum hydrocarbons	CAS Kelso				
Gasoline-range hydrocarbons		NWTPH-Gx	Methanol extraction Purge and trap	NWTPH-Gx	GC/FID
Diesel- and oil-range hydrocarbons		NWTPH-Dx	Sovent extraction Silica gel cleanup (as needed)	NWTPH-Dx	GC/FID
Chlorinated herbicides	STL Tacoma	EPA 8151A	Solvent extraction Esterification	EPA 8151A	GC/MS
Organochlorine Pesticides[a]	CAS Kelso	EPA 3541 EPA 3620B EPA 3660B	Soxhlet extraction Florisil® cleanup Sulfur cleanup	EPA 8081A	GC/ECD
Organochlorine Pesticides	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Acid/base silica column 1% deactivated basic Alumina Florisil® chromatography	Axys Method MLA-013 Rev 05	HRGC/HRMS
PCB Aroclors	CAS Kelso	EPA 3541 EPA 3665A EPA 3620B EPA 3660B	Soxhlet extraction Sulfuric acid cleanup Florisil® cleanup Sulfur cleanup	EPA 8082	GC/ECD

Table 3-2. Chemical Analyses of Sediment Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
Volatile organic compounds	CAS Kelso	EPA 5035	Purge and trap	EPA 8260B	GC/MS
Semivolatile organic compounds	CAS Kelso				
Tri-,tetra-, and pentachlorophenols		EPA 8151A	Solvent Extraction Esterification	EPA 8151A	GC/ECD
Polycyclic aromatic hydrocarbons		EPA 3541 EPA 3640A EPA 3630C	Automated Soxhlet Extraction Gel permeation chromatography Silica Gel cleanup	EPA 8270C	GC/MS-SIM
SVOCs (other than PAHs and tri-, tetra-, and pentchlorophenols)		EPA 3541 EPA 3640A	Automated Soxhlet Extraction Gel permeation chromatography	EPA 8270C	GC/MS-LVI
PCB Congeners[b]	Alta	EPA 1668A	Soxhlet/Dean Stark extraction Sulfuric acid cleanup Silica column cleanup	EPA 1668A	HRGC/HRMS
Chlorinated dioxins and furans	CAS Houston	EPA 1613B	Soxhlet/Dean Stark extraction Sulfuric acid cleanup Silica/carbon column cleanup	EPA 1613B	HRGC/HRMS

Notes:

[a] Toxaphene only.

[b] Analysis will be completed for all 209 PCB congeners.

AAS - Atomic absorption spectrometry
CAS - Columbia Analytical Services
CVAA - cold vapor atomic absorption spectrometry
EPA - U.S. Environmental Protection Agency
GC/ECD - gas chromatography/electron capture detection
GC/FID - gas chromatography/flame ionization detection
GC/MS - gas chromatography/mass spectrometry
HRGC/HRMS - high-resolution gas chromatography/high-resolution mass spectrometry
ICP/AES - inductively coupled plasma/atomic emission spectrometry
ICP/MS - inductively coupled plasma - mass spectrometry
LVI - large-volume injector
TPH - total petroleum hydrocarbon
PAH - polycyclic aromatic hydrocarbon
PCB - polychlorinated biphenyl
PSEP - Puget Sound Estuary Program
SIM - selected ion monitoring
STL - Severn Trent Laboratories
SVOC - semivolatile organic compound

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Table 3-3. *Chemical Analyses of Tissue Samples.*

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
Total Solids	CAS	CAS SOP	Freeze dry	CAS SOP	Gravimetric
Butyltin Compounds	CAS	Krone et al. 1988 Krone et al. 1988	Solvent extraction Derivatization	Krone et al. 1988	GC/FPD
Polycyclic Aromatic Hydrocarbons	CAS	EPA 3540C EPA 3640A EPA 3620B	Soxhlet extraction Gel permeation chromatography Florisil® cleanup	EPA 8270C SIM	GC/MS SIM
Semivolatile Organic Compounds	CAS	EPA 3540C EPA 3640A	Soxhlet extraction Gel permeation chromatography	EPA 8270C SIM	GC/MS SIM
Metals	CAS				
Aluminum, antimony, arsenic, cadmium, copper, lead, nickel, silver, zinc		EPA 3050B/PSEP	Acid digestion	EPA 6020	ICP/MS
Chromium		EPA 3050B/PSEP	Acid digestion	EPA 6010B	ICP/AES
Selenium		EPA 3050B/7742	Acid digestion/hydride generation	EPA 7742	AAS
Mercury		EPA 7470	Acid digestion/oxidation	EPA 7471A	CVAA
Lipids	Axys	Axys SOP MLA-013 [a]	Soxhlet extraction	Axys SOP	Gravimetric
Percent Moisture	Axys	--	--	Axys SOP	Oven/Gravimetric
Chlorinated PCDD/Fs [b]	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Florisil® chromatography Carbon celite Layered silver nitrate/acid/base silica 1% deactivated basic alumina	Axys Method MLA-017/EPA 1613B	HRGC/HRMS

Table 3-3. Chemical Analyses of Tissue Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
PCB Congeners [c]	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Florisil® chromatography Acid/base silica column 1% deactivated basic alumina	Axys Method MLA-010/EPA 1668A	HRGC/HRMS
Organochlorine Pesticides	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Acid/base silica column 1% deactivated basic Alumina Florisil® chromatography	Axys Method MLA-028 Rev 01	HRGC/HRMS

Notes:

[a] PCDD/Fs, PCBs, pesticides, and lipids analyzed from the same extract.

[b] Includes analyses for PCDD/F homologs.

[c] Includes all 209 congeners. Includes analyses for PCB congener homologs and PCB Aroclors.

AAS - atomic absorption spectrometry
Axys = Axyx Analytical Services Ltd.
CAS - Columbia Analytical Services
EPA - U.S. Environmental Protection Agency
HRGC/HRMS - high resolution gas chromatography/high resolution mass spectrometry
ICP/AES - inductively coupled plasma/atomic emission spectrometry
ICP/MS - inductively coupled plasma/mass spectrometry
PCB - polychlorinated biphenyl
SOP - standard operating procedure
PSEP - Puget Sound Estuary Program
SIM - selected ion monitoring
SOP - standard operating procedure

Table 3-4. Analysis of Field Clam and Bioaccumulation Worm Samples with Limited Sample Mass.

			Biomass Required for each Analysis						
Station ID	Location	Lab Weights (g ww)	Axys Analyses[a] (10 g ww)	PAHs (5 g ww)	Mercury (2 g ww)	Phthalates/S VOCs (5 g ww)	Other Metals/ Moisture (3 g ww)	TBTs (5 g ww)	Total Biomass Consumed (g ww)
BT011	Linnton Plywood	14.23	10			4[b]			14
BT013	Cathedral Park	34.25	10	5	2	5	3	5	30
BT015	Gasco	23.59	10	5		5	3		23
BT016	Willamette Cove	32.04	10	5	2	5	3		25
BT018	Arkema	14.13	10	4[b]					14
BT019	Reidell Cove	32.1	10	5	2	5	3	5	30
BT023	Portland Shipyard	9.59					3	5	8
BT026	Swan Island Lagoon middle	26.77	10	5		5	3		23
BT029	Swan Island Lagoon bottom	9.71	9.71[b]						9.71
BT032	Fireboat Cove	0.69	0.69[b]						0.69
BT033	Goldendale Aluminum	15.77	10	5					15
LW2-BTLW020	Mouth of Salzman Creek	31.77	10	5	2	5	3	5	30
LW2-BTLW027-2[c]	upstream of Portland Shipyard	28.38	10	5		5	3	5	28
LW2-BTLW030	downstream of "fireboat cove"	32.21	10	5	2	5	3	5	30

[a] Axys analyses includes PCBs, dioxins and furans, organochlorine pesticides, and lipids

[b] Analysis performed with higher detection limit

c This sample is a field replicate. The other sample from this station had a worm biomass of 45.84 g ww

Table 3-5. Data Validation Qualifiers and Definitions.

Data Qualifier	Definition
U	The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated numerical value is an estimated quantity.
R	Rejected.
NJ	Presumptive evidence of the presence of the material at an estimated quantity.
UJ	The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.
T	The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

Table 3-6. Sediment Percent Completeness by Parameter Group.

Analysis	Total No. of Data Points[a]	Number of Data Points		Completeness (%)
		Accepted	Rejected	
Butyltins	148	148	0	100
Conventionals[b]	195	195	0	100
Dioxin/furan homologs	370	370	0	100
Dioxins/furans	555	555	0	100
Grain size	481	481	0	100
Herbicides	371	370	1	100
Metals	521	521	0	100
Organochlorine pesticides	1998	1998	0	100
PAHs	666	666	0	100
PCB Aroclors	333	333	0	100
PCB congener homologs	333	333	0	100
PCB congeners	6253	6253	0	100
Petroleum	111	111	0	100
Phenols	666	661	5	99
Phthalates	222	222	0	100
SVOCs	1554	1516	38	98
VOCs	1850	1729	121	93
Benthic Sediment Sampling Project Total	**16627**	**16462**	**165**	**>99**

Notes:

[a] Totals include field replicates and split samples and exclude field blanks.

[b] Includes Ammonia, Silfide, ORP, pH, TOC, and TS.

Table 3-7. Tissue Percent Completeness by Parameter Group.

Analysis	Total # of Data Points[a]	Number of Data Points		Completeness[b] (%)
		Accepted	Rejected	
Butyltins	388	388	0	100
Conventionals [c]	204	204	0	100
Dioxin/furan homologs	1085	1010	0	93
Dioxins/furans	1515	1515	0	100
Metals	1196	1196	0	100
Organochlorine pesticides	2704	2676	2	99
PAHs	1717	1717	0	100
PCB Aroclors	728	721	0	99
PCB congener homologs	937	920	7	98
PCB congeners	16639	16450	30	99
Phenols	500	436	64	87
Phthalates	600	600	0	100
SVOCs	1051	1005	46	96
Benthic Tissue Sampling Project Total	**29264**	**28838**	**149**	**>98**

Notes:

[a] Totals include field replicates and split samples and exclude field blanks.

[b] The completeness value includes 4 field-collected clam samples that were not analyzed for either dioxin, PCBs or pesticides as described in Section 3.5.

[c] Includes lipids and total solids.

Table 3-8. Field Precision for Sediment Samples.

Analyte	Location: / Sample ID: / Sample type: / Sample Date: / Units	BT006 LW2-GBT006-1 Parent sample 12/16/2005	BT006 LW2-GBT006-3 Field duplicate 12/16/2005	RPD[a] (percent)	BT006 LW2-GBT006-2 Field replicate 12/16/2005	RPD[b] (percent)	BT027 LW2-GBT027-1 Parent sample 12/6/2005	BT027 LW2-GBT027-3 Field duplicate 12/7/2005	RPD[a]	BT027 LW2-GBT027-2 Field replicate 12/7/2005	RPD[b]
Butyltins											
Dibutyltin ion	µg/kg	5.4	7.1	27.2	8.1	40.0	8.6	11	24.5	13	40.7
Tetrabutyltin	µg/kg	0.47 *J*	0.42 *J*	11.2	0.41 *J*	13.6	1.8 *J*	2.9 *J*	46.8	1.4 *J*	25.0
Tributyltin ion	µg/kg	11	14	24.0	16	37.0	30	32	6.5	29	3.4
Butyltin ion	µg/kg	0.87 *J*	2.2	86.6	2	78.7	1.3 *J*	2 *J*	42.4	2.1	47.1
Conventionals											
Sulfide (S)	mg/kg	1.9	0.4 *J*	130.4	0.08 *U*	NA	1.6 *J*	1.1 *J*	37.0	1.5 *J*	6.5
Ammonia	mg/kg	25.3 *J*	33.1 *J*	26.7	35.4 *J*	33.3	49.1 *J*	51.2 *J*	4.2	52.2 *J*	6.1
Total organic carbon	percent	0.41	0.67	48.1	0.84	68.8	1.94	1.9	2.1	2.07	6.5
Total solids	percent	74.6	71.2	4.7	72.1	3.4	50.9	57.2	11.7	55.3	8.3
Total solids	percent	68.1	65.6	3.7	64.3	5.7	52.7	50.6	4.1	49.9	5.5
Dioxin/furan homologs											
Tetrachlorodibenzofuran homologs	pg/g	1.319	0.37	112.4	0.133	163.4	0.08 *U*	3.466	NA	3.086	NA
Pentachlorodibenzofuran homologs	pg/g	2.097	0.578	113.6	1.052	66.4	1.113	6.365	140.5	4.287	117.6
Octachlorodibenzo-p-dioxin	pg/g	112.439	79.514	34.3	35.056	104.9	84.38	182.96	73.7	224.807	90.8
Hexachlorodibenzo-p-dioxin homologs	pg/g	3.825	2.773	31.9	1.343	96.1	2.599	8.383	105.3	7.883	100.8
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.186	0.164	12.6	0.02 *U*	NA	0.2	0.953	130.6	1.157	141.0
Heptachlorodibenzo-p-dioxin homologs	pg/g	32.261	25.51	23.4	10.051	105.0	24.306	63.03	88.7	53.708	75.4
Heptachlorodibenzofuran homologs	pg/g	6.439	4.814	28.9	2.97	73.7	4.19	11.813	95.3	16.994	120.9
Octachlorodibenzofuran	pg/g	5.613	6.681	17.4	2.688	70.5	3.211 *J*	9.493	98.9	18.414	140.6
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.306	0.013 *U*	NA	0.015 *U*	NA	0.296	0.78	90.0	1.172	119.3
Hexachlorodibenzofuran homologs	pg/g	3.791	1.662	78.1	2.022	60.9	2.775	7.127	87.9	8.327	100.0
Dioxins/furans											
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.032 *U*	0.013 *U*	NA	0.015 *U*	NA	0.04 *U*	0.03 *U*	NA	0.047 *U*	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.319 *J*	0.214 *J*	39.4	0.152 *U*	NA	0.229 *J*	0.458 *J*	66.7	0.603 *J*	89.9
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	13.951	10.563	27.6	4.525	102.0	9.483	29.677	103.1	24.772	89.3
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.096 *U*	0.055 *J*	NA	0.04 *U*	NA	0.055 *U*	0.222 *J*	NA	0.191 *J*	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.084 *U*	0.053 *U*	NA	0.042 *U*	NA	0.054 *U*	0.147 *J*	NA	0.145 *J*	NA
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.186 *J*	0.174 *U*	NA	0.018 *U*	NA	0.08 *U*	0.154 *J*	NA	0.257 *U*	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.136 *J*	0.044 *U*	NA	0.043 *U*	NA	0.058 *U*	0.216 *J*	NA	0.397 *J*	NA
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.124 *J*	0.06 *U*	NA	0.086 *U*	NA	0.045 *U*	0.151 *J*	NA	0.167 *J*	NA
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.112 *U*	0.055 *U*	NA	0.063 *U*	NA	0.039 *U*	0.083 *J*	NA	0.094 *J*	NA
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.144 *J*	0.074 *U*	NA	0.07 *U*	NA	0.125 *J*	0.248 *J*	66.0	0.25 *J*	66.7
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.543 *J*	0.296 *J*	58.9	0.264 *J*	69.1	0.38 *J*	1.679 *J*	126.2	1.115 *J*	98.3
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.172 *J*	0.115 *U*	NA	0.149 *J*	14.3	0.167 *J*	0.395 *J*	81.1	0.363 *J*	74.0
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	1.954	1.585	20.9	1.023 *J*	62.5	1.459 *J*	3.798	89.0	4.735	105.8
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.311 *J*	0.186 *U*	NA	0.146 *J*	72.2	0.286 *J*	0.434 *J*	41.1	0.614 *J*	72.9
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.026 *U*	0.019 *U*	NA	0.037 *U*	NA	0.064 *U*	0.024 *J*	NA	0.017 *U*	NA
Grainsize											
8-9 Phi clay	percent	0.73	1.53	70.8	0	200.0	1.29	0.94	31.4	1.22	5.6
Coarse sand	percent	23.2	16.5	33.8	13.3	54.2	3.97	2.81	34.2	3.03	26.9
Coarse silt	percent	3.33	11.1	107.7	11.7	111.4	12.8	17.6	31.6	17.5	31.0
Fine gravel	percent	0.14	1.38	163.2	0.67	130.9	1.2	0.57	71.2	1.01	17.2
Fine sand	percent	19.3	20	3.6	21.2	9.4	20.1	16	22.7	18.6	7.8
Fine silt	percent	3.12	3.85	20.9	5.15	49.1	3.14	3.42	8.5	3.52	11.4
>9 Phi clay	percent	0.7	3.42	132.0	0.98	33.3	1.69	2.19	25.8	1.93	13.3
Medium gravel	percent	0.12	0.61	134.2	0	200.0	0.62	1.86	100.0	0.4	43.1

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Table 3-8. Field Precision for Sediment Samples.

Analyte	Location:	BT006					BT027				
	Sample ID:	LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
	Sample type:	Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
	Sample Date:	12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
	Units										
Medium sand	percent	32.1	24.6	26.5	27.9	14.0	13.9	9.91	33.5	11.1	22.4
Medium silt	percent	4.58	6.22	30.4	7.68	50.6	5.67	5.94	4.7	6.5	13.6
Very coarse sand	percent	2.07	2.2	6.1	1.49	32.6	1.32	0.96	31.6	1.14	14.6
Very fine sand	percent	4.84	6.75	33.0	6.8	33.7	29.2	30.3	3.7	30.7	5.0
Very fine silt	percent	1.82	3.43	61.3	3.48	62.6	2.42	2.06	16.1	2.24	7.7
Herbicides											
Dichloroprop	µg/kg	0.43 *UJ*	0.45 *UJ*	NA	0.45 *UJ*	NA	0.48 *U*	0.5 *U*	NA	0.48 *U*	NA
Dicamba	µg/kg	0.85 *UJ*	0.88 *UJ*	NA	0.9 *UJ*	NA	0.94 *U*	0.99 *U*	NA	0.95 *U*	NA
Dalapon	µg/kg	0.24 *UJ*	0.25 *UJ*	NA	0.25 *UJ*	NA	0.26 *U*	0.28 *U*	NA	0.26 *U*	NA
Dinoseb	µg/kg	0.54 *UJ*	0.56 *UJ*	NA	0.57 *UJ*	NA	0.6 *U*	0.63 *U*	NA	0.61 *U*	NA
MCPP	µg/kg	0.52 *UJ*	0.54 *UJ*	NA	0.55 *UJ*	NA	0.58 *U*	0.61 *U*	NA	0.58 *U*	NA
Silvex	µg/kg	0.39 *UJ*	0.41 *UJ*	NA	0.42 *UJ*	NA	0.44 *U*	0.46 *U*	NA	0.44 *U*	NA
2,4,5-T	µg/kg	0.39 *UJ*	0.41 *UJ*	NA	0.42 *UJ*	NA	0.44 *U*	0.46 *U*	NA	0.44 *U*	NA
MCPA	µg/kg	0.57 *UJ*	0.59 *UJ*	NA	0.6 *UJ*	NA	0.63 *U*	0.67 *U*	NA	0.64 *U*	NA
2,4-D	µg/kg	0.27 *UJ*	0.28 *UJ*	NA	0.28 *UJ*	NA	0.3 *U*	0.31 *U*	NA	0.3 *U*	NA
2,4-DB	µg/kg	0.4 *UJ*	0.41 *UJ*	NA	0.42 *UJ*	NA	0.44 *U*	0.46 *U*	NA	0.44 *U*	NA
Metals											
Aluminum	mg/kg	13100	16300	21.8	12800	2.3	23000	31100	29.9	18100	23.8
Antimony	mg/kg	0.23 *J*	0.26 *J*	12.2	0.29 *J*	23.1	0.11 *J*	0.15 *J*	30.8	0.1 *J*	9.5
Arsenic	mg/kg	3.63	3.8	4.6	3.2	12.6	3.12	3.39	8.3	3.22	3.2
Barium	mg/kg						149	175	16.0	131	12.9
Beryllium	mg/kg						0.54 *J*	0.583 *J*	7.7	0.525 *J*	2.8
Cadmium	mg/kg	0.225	0.277	20.7	0.28	21.8	0.24	0.254	5.7	0.256	6.5
Chromium	mg/kg	24.5	29.6	18.9	27.8	12.6	32.8	39.3	18.0	27	19.4
Chromium hexavalent	mg/kg	0.2 *UJ*	0.2 *UJ*	NA	0.9 *J*	NA	0.2 *UJ*	0.2 *UJ*	NA	0.2 *UJ*	NA
Copper	mg/kg	23.4	29.3	22.4	29.2	22.1	36.6	44.4	19.3	31.1	16.2
Lead	mg/kg	14.1	16.9	18.1	18.4	26.5	16.9	16.9	0.0	14.7	13.9
Manganese	mg/kg						593	655	9.9	515	14.1
Mercury	mg/kg	0.115 *J*	0.085 *J*	30.0	0.074 *J*	43.4	0.055	0.058	5.3	0.067	19.7
Nickel	mg/kg	20.7 *J*	22 *J*	6.1	20.3 *J*	2.0	20.2 *J*	22.3 *J*	9.9	20.9 *J*	3.4
Selenium	mg/kg	0.19 *U*	0.15 *U*	NA	0.19 *U*	NA	0.13 *U*	0.13 *U*	NA	0.14 *U*	NA
Silver	mg/kg	0.068 *U*	0.092	NA	1.2	NA	0.133 *J*	0.149 *J*	11.3	0.117 *J*	12.8
Thallium	mg/kg						0.095	0.099	4.1	0.098	3.1
Zinc	mg/kg	111	125	11.9	122	9.4	121	134	10.2	103	16.1
Organochlorine pesticides											
Heptachlor epoxide	µg/kg	0.00191 *U*	0.00161 *J*	NA	0.00161 *J*	NA	0.0207 *J*	0.00492 *J*	123.2	0.00668 *J*	102.4
Endosulfan sulfate	µg/kg	0.0337 *U*	0.0369 *J*	NA	0.0347 *J*	NA	0.328	0.0676 *J*	131.6	0.0996 *J*	106.8
Oxychlordane	µg/kg	0.0628 *U*	0.0644 *U*	NA	0.0613 *U*	NA	0.00782 *U*	0.00635 *U*	NA	0.00296 *U*	NA
Aldrin	µg/kg	0.0156 *U*	0.031 *J*	NA	0.0309 *J*	NA	0.0411 *J*	0.0374 *J*	9.4	0.0413 *J*	0.5
alpha-Hexachlorocyclohexane	µg/kg	0.00467 *J*	0.00352 *J*	28.1	0.00357 *J*	26.7	0.00638 *J*	0.00968 *J*	41.1	0.00598 *U*	NA
beta-Hexachlorocyclohexane	µg/kg	0.00359 *J*	0.00196 *J*	58.7	0.00219 *U*	NA	0.0521 *U*	0.0104 *J*	NA	0.0105 *J*	NA
delta-Hexachlorocyclohexane	µg/kg	0.00125 *U*	0.00109 *U*	NA	0.0018 *J*	NA	0.00152 *U*	0.00966 *J*	NA	0.00544 *J*	NA
beta-Endosulfan	µg/kg	0.0615 *J*	0.0374 *U*	NA	0.0323 *J*	62.3	0.101 *J*	0.0487 *U*	NA	0.0533 *J*	61.8
2,4'-DDE	µg/kg	0.0405 *J*	0.06 *J*	38.8	0.0682 *J*	51.0	0.125 *J*	0.0442 *J*	95.5	0.0473 *J*	90.2
trans-Nonachlor	µg/kg	0.0529 *J*	0.0596 *J*	11.9	0.063 *J*	17.4	0.147 *J*	0.11 *J*	28.8	0.125 *J*	16.2
4,4'-DDT	µg/kg	0.301	0.314	4.2	0.619	69.1	0.455	0.308	38.5	0.317	35.8
cis-Chlordane	µg/kg	0.0584 *J*	0.0654 *J*	11.3	0.0684 *J*	15.8	0.163 *J*	0.149 *J*	9.0	0.171 *J*	4.8
cis-Nonachlor	µg/kg	0.0219 *J*	0.0221 *J*	0.9	0.0229 *J*	4.5	0.0642 *J*	0.0578 *J*	10.5	0.0578 *J*	10.5

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Table 3-8. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
trans-Chlordane	µg/kg	0.0718 *J*	0.0848 *J*	16.6	0.0902 *J*	22.7	0.185 *J*	0.139 *J*	28.4	0.161 *J*	13.9
2,4'-DDD	µg/kg	0.222	0.313	34.0	0.377	51.8	0.427	0.819	62.9	0.365	15.7
Endrin ketone	µg/kg	0.11 *U*	0.112 *U*	NA	0.107 *U*	NA	0.122 *U*	0.119 *U*	NA	0.118 *U*	NA
gamma-Hexachlorocyclohexane	µg/kg	0.0031 *J*	0.00324 *J*	4.4	0.00668 *U*	NA	0.009 *U*	0.00554 *J*	NA	0.0158 *J*	NA
Dieldrin	µg/kg	0.0399 *J*	0.0321 *J*	21.7	0.0373 *J*	6.7	0.0939 *J*	0.0567 *J*	49.4	0.0688 *J*	30.9
Endrin	µg/kg	0.0175 *U*	0.018 *U*	NA	0.0171 *U*	NA	0.0195 *U*	0.0189 *U*	NA	0.0188 *U*	NA
Methoxychlor	µg/kg	0.0254 *U*	0.026 *U*	NA	0.0248 *U*	NA	0.0283 *U*	0.0275 *U*	NA	0.0273 *U*	NA
4,4'-DDD	µg/kg	1	1.44	36.1	1.87	60.6	1.77	2.14	18.9	1.72	2.9
4,4'-DDE	µg/kg	0.517	0.82	45.3	0.848	48.5	1.49	1.31	12.9	1.35	9.9
Endrin aldehyde	µg/kg	0.0718 *U*	0.0737 *U*	NA	0.0702 *U*	NA	0.0802 *U*	0.0777 *U*	NA	0.0771 *U*	NA
Heptachlor	µg/kg	0.0069 *U*	0.00253 *U*	NA	0.0201 *U*	NA	0.0229 *U*	0.0222 *U*	NA	0.0221 *U*	NA
2,4'-DDT	µg/kg	0.0542 *J*	0.0878 *J*	47.3	0.0669 *J*	21.0	0.383	0.0745 *J*	134.9	0.0778 *J*	132.5
alpha-Endosulfan	µg/kg	0.24	0.0183 *J*	171.7	0.018 *U*	NA	0.0451 *J*	0.0271 *U*	NA	0.0268 *U*	NA
Mirex	µg/kg	0.1 *J*	0.16 *NJ*	46.2	0.18 *J*	57.1	0.76 *U*	0.089 *U*	NA	0.2 *U*	NA
Toxaphene	µg/kg	46 *U*	70 *U*	NA	67 *U*	NA	44 *U*	19 *U*	NA	22 *U*	NA
PAHs											
Anthracene	µg/kg	9.3	8.3	11.4	6.8	31.1	3.4	6.3	59.8	3.6	5.7
Pyrene	µg/kg	58	74	24.2	83	35.5	46	43	6.7	57	21.4
Benzo(g,h,i)perylene	µg/kg	34	41	18.7	37	8.5	27	20	29.8	19	34.8
Indeno(1,2,3-cd)pyrene	µg/kg	33	38	14.1	34	3.0	25	21	17.4	19	27.3
Benzo(b)fluoranthene	µg/kg	36	40	10.5	37	2.7	29	21	32.0	25	14.8
Fluoranthene	µg/kg	46	53	14.1	61	28.0	32	36	11.8	62	63.8
Benzo(k)fluoranthene	µg/kg	26	33	23.7	28	7.4	21	20	4.9	18	15.4
Acenaphthylene	µg/kg	0.8 *J*	1.3 *J*	47.6	1.2 *J*	40.0	3.7	2.3 *J*	46.7	1.5 *J*	84.6
Chrysene	µg/kg	38	46	19.0	46	19.0	29	29	0.0	31	6.7
Benzo(a)pyrene	µg/kg	37	40	7.8	38	2.7	31	25	21.4	22	34.0
Dibenz(a,h)anthracene	µg/kg	5.4	6.6	20.0	5.2	3.8	4.1	3	31.0	2.6	44.8
Benz(a)anthracene	µg/kg	28	30	6.9	31	10.2	22	20	9.5	16	31.6
Acenaphthene	µg/kg	3.8	2.8	30.3	2.7	33.8	2 *J*	2.4 *J*	18.2	2.2 *J*	9.5
Phenanthrene	µg/kg	31	22	34.0	28	10.2	14	24	52.6	24	52.6
Fluorene	µg/kg	4	2.7	38.8	2.8	35.3	2.5	3.8	41.3	2.7	7.7
Naphthalene	µg/kg	7.4	0.54 *U*	NA	0.55 *U*	NA	0.67 *UJ*	0.7 *UJ*	NA	0.71 *UJ*	NA
2-Methylnaphthalene	µg/kg	3.8	1.5 *J*	86.8	1.7 *J*	76.4	1.9 *J*	2.7 *U*	NA	4.3	77.4
PCB Aroclors											
Aroclor 1260	µg/kg	20	32	46.2	40	66.7	26 *J*	15 *J*	53.7	15 *J*	53.7
Aroclor 1254	µg/kg	34 *J*	54	45.5	59	53.8	27 *J*	2.2 *U*	NA	6.3 *U*	NA
Aroclor 1268	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1221	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1232	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1248	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1016	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1262	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1242	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
PCB congener homologs											
Trichlorobiphenyl	pg/g	2080	4040	64.1	4110	65.6	767	761	0.8	923	18.5
Pentachlorobiphenyl	pg/g	18900	31000	48.5	34400	58.2	6730	4020	50.4	5870	13.7
Dichlorobiphenyl	pg/g	469	998	72.1	1010	73.2	306	279	9.2	307	0.3
Hexachlorobiphenyl	pg/g	13200	24500	59.9	24800	61.1	18600	6850	92.3	15400	18.8

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Table 3-8. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
Tetrachlorobiphenyl	pg/g	7330	12900	55.1	13700	60.6	3110	2740	12.6	3040	2.3
Monochlorobiphenyl	pg/g	32.3	97.6	100.5	76.1	80.8	26.6	25.8	3.1	23	14.5
Heptachlorobiphenyl	pg/g	5010	19500 *J*	118.2	9120	58.2	12800	4910	89.1	26700	70.4
Nonachlorobiphenyl	pg/g	225	1140 *J*	134.1	455	67.6	300	151	66.1	787	89.6
Octachlorobiphenyl	pg/g	1380	9030 *J*	147.0	2380	53.2	2900	1260	78.8	11400	118.9
PCB congeners											
Polychlorinated biphenyls	pg/g	48600	103000	71.8	90200	59.9	45600	21100	73.5	64600	34.5
2,4,5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	5.59	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',6,6'-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	8	NA	25.4	32.2	23.6	43.6	52.8
2,4',5-Trichlorobiphenyl	pg/g	319	658	69.4	691	73.7	102	104	1.9	97.5	4.5
3,3'-Dichlorobiphenyl	pg/g	0 *U*	41.9	NA	46.2	NA	94.3	117	21.5	108	13.5
4,4'-Dichlorobiphenyl	pg/g	229	433	61.6	445	64.1	33.4	40.9	20.2	35.7	6.7
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	pg/g	54.8	114	70.1	207	116.3	105	84.2	22.0	105	0.0
2-Chlorobiphenyl	pg/g	16.7	43.6	89.2	34.6	69.8	9.36	7.39	23.5	5.89	45.5
3-Chlorobiphenyl	pg/g	0 *U*	9.89	NA	8.55	NA	12.2	13.3	8.6	11.2	8.5
4-Chlorobiphenyl	pg/g	15.6	44.1	95.5	33	71.6	5.07	5.11	0.8	5.9	15.1
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	pg/g	68.6	372 *J*	137.7	122	56.0	148	58.7	86.4	470	104.2
2,2',4,4'-Tetrachlorobiphenyl	pg/g	243	445	58.7	449	59.5	330	330	0.0	344	4.2
2,3'-Dichlorobiphenyl	pg/g	34.1	61.6	57.5	74.8	74.7	0 *U*	0 *U*	NA	0 *U*	NA
3,3',4,4'-Tetrachlorobiphenyl	pg/g	54.7	96	54.8	101	59.5	19.3	21.5	10.8	19.2	0.5
2,3,3',4,4'-Pentachlorobiphenyl	pg/g	816	1270	43.5	1470	57.2	187	124	40.5	216	14.4
2,4,4',5-Tetrachlorobiphenyl	pg/g	284	501	55.3	537	61.6	74.6	73	2.2	81.2	8.5
3,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	1.24 *U*	1.59 *U*	NA	1.54 *U*	NA	0.843 *U*	0.766 *U*	NA	0.772 *U*	NA
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	pg/g	11.3	56.9 *J*	133.7	19	50.8	27.7	12	79.1	111	120.1
3,3',5,5'-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,5,6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,4',6,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	5.8	NA
3,5-Dichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,4',5,5'-Hexachlorobiphenyl	pg/g	2340	4840	69.6	4480	62.8	3730	1510	84.7	3730	0.0
2,2',3,4,4',5,5'-Heptachlorobiphenyl	pg/g	1340	5940 *J*	126.4	2420	57.4	3190	1300	84.2	7120	76.2
2,2',3,3',4,4',5-Heptachlorobiphenyl	pg/g	567	1860 *J*	106.6	1040	58.9	1220	515	81.3	2540	70.2
2,4,6-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4,4',5-Hexachlorobiphenyl	pg/g	170	283	49.9	352	69.7	50.8	24.5	69.9	66.9	27.4
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	pg/g	304	2310 *J*	153.5	547	57.1	624	258	83.0	2740	125.8
2,2',5-Trichlorobiphenyl	pg/g	235	476	67.8	503	72.6	64.6	66.1	2.3	65	0.6
2,2',4-Trichlorobiphenyl	pg/g	95.9	191	66.3	199	69.9	63.5	68.7	7.9	105	49.3
2,3',5'-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,3',4-Trichlorobiphenyl	pg/g	9.99	18.3	58.7	18.7	60.7	3.98	4.29	7.5	3.4	15.7
2,2',4,4',5-Pentachlorobiphenyl	pg/g	1170	1920	48.5	2130	58.2	443	312	34.7	476	7.2
2,3,3',4',6-Pentachlorobiphenyl	pg/g	3620	5880	47.6	6660	59.1	1170	613	62.5	870	29.4
2,3,3',4,4',5-Hexachlorobiphenyl	pg/g	282	489	53.7	543	63.3	132	77.4	52.1	162	20.4
2,2',3,3',6,6'-Hexachlorobiphenyl	pg/g	370	649	54.8	700	61.7	762	237	105.1	383	66.2
2,2',3,3',4,5,6'-Heptachlorobiphenyl	pg/g	588	2430 *J*	122.1	1080	59.0	1540	552	94.5	2130	32.2
2,2',6-Trichlorobiphenyl	pg/g	44.1	81.2	59.2	87.9	66.4	121	120	0.8	266	74.9
2,3',5-Trichlorobiphenyl	pg/g	65.6	114	53.9	123	60.9	35.2	29.5	17.6	29.9	16.3
2,3,4'-Trichlorobiphenyl	pg/g	158	286	57.7	287	58.0	38.3	40.5	5.6	36.8	4.0
3,3',5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,4',5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA

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Table 3-8. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		*LW2-GBT006-1*	*LW2-GBT006-3*	*RPD*[a]	*LW2-GBT006-2*	*RPD*[b]	*LW2-GBT027-1*	*LW2-GBT027-3*	*RPD*[a]	*LW2-GBT027-2*	*RPD*[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
3,4,4'-Trichlorobiphenyl	pg/g	192	373	64.1	376	64.8	44.8	44.8	0.0	37.3	18.3
2,2',3,3'-Tetrachlorobiphenyl	pg/g	134	239	56.3	264	65.3	27.4	25	9.2	25.9	5.6
2,2',4,4',6-Pentachlorobiphenyl	pg/g	13.2	22	50.0	23.7	56.9	45.7	50.2	9.4	88.4	63.7
2,3,3',4,4',5,5'-Heptachlorobiphenyl	pg/g	21.8	58.5	91.4	46.4	72.1	42.5	19	76.4	123	97.3
3,3',4,5,5'-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4,5,5'-Hexachlorobiphenyl	pg/g	17.8	77.6 *J*	125.4	33.8	62.0	48.5	21.3	77.9	133	93.1
2,2',3,3',4,5',6-Heptachlorobiphenyl	pg/g	30.1	87.4 *J*	97.5	51.3	52.1	74.6	26.2	96.0	109	37.5
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	pg/g	43.7	238 *J*	137.9	75.5	53.4	97.3	40.7	82.0	358	114.5
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	pg/g	168	899 *J*	137.0	331	65.3	221	109	67.9	605	93.0
2,3,4,4',5,6-Hexachlorobiphenyl	pg/g	12.7	23.5	59.7	26.9	71.7	3.04	0 *U*	NA	3.29	7.9
2,3,3',4,4',5,6-Heptachlorobiphenyl	pg/g	117	418 *J*	112.5	202	53.3	245	103	81.6	557	77.8
2,2',3,5'-Tetrachlorobiphenyl	pg/g	987	1730	54.7	1890	62.8	204	178	13.6	189	7.6
2,2',5,6'-Tetrachlorobiphenyl	pg/g	127	230	57.7	240	61.6	161	168	4.3	183	12.8
2,2',3,6'-Tetrachlorobiphenyl	pg/g	50	92.1	59.3	104	70.1	15.7	15.2	3.2	16.6	5.6
3,3',4,5'-Tetrachlorobiphenyl	pg/g	22.4	37	49.2	43	63.0	9.14	8.02	13.1	10.8	16.6
2,3,3',5'-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4',5'-Pentachlorobiphenyl	pg/g	895	1480	49.3	1670	60.4	172	110	44.0	157	9.1
2,2',3,3',4-Pentachlorobiphenyl	pg/g	332	550	49.4	597	57.1	61.8	40.1	42.6	58.8	5.0
2,2',3,5,5',6-Hexachlorobiphenyl	pg/g	539	1090	67.6	1010	60.8	1410	419	108.4	937	40.3
2,2',3,3',5,6,6'-Heptachlorobiphenyl	pg/g	265	948 *J*	112.6	478	57.3	912	284	105.0	1740	62.4
2,2',3,3',4,6,6'-Heptachlorobiphenyl	pg/g	78.7	236 *J*	100.0	140	56.1	250	77.6	105.3	276	9.9
2,2',3,3',4,5'-Hexachlorobiphenyl	pg/g	222	354	45.8	383	53.2	152	74.8	68.1	124	20.3
2,2',3,3',5,5',6-Heptachlorobiphenyl	pg/g	122	433 *J*	112.1	215	55.2	334	132	86.7	1110	107.5
2,2',3,4,4',5',6-Heptachlorobiphenyl	pg/g	367	1250 *J*	109.2	656	56.5	991	356	94.3	1470	38.9
2,2',3,3',4,5',6'-Heptachlorobiphenyl	pg/g	336	1250 *J*	115.3	622	59.7	882	342	88.2	2040	79.3
2,2',3,3',4,4',6-Heptachlorobiphenyl	pg/g	150	455 *J*	100.8	291	63.9	376	143	89.8	581	42.8
2,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	115	197	52.6	228	65.9	87.8	39	77.0	70.2	22.3
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	pg/g	44.2	257 *J*	141.3	74.4	50.9	105	39.7	90.3	327	102.8
2,2',3,3',4,5,5'-Heptachlorobiphenyl	pg/g	94.8	325 *J*	109.7	174	58.9	204	85.1	82.3	485	81.6
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	pg/g	365	2410 *J*	147.4	619	51.6	741	332	76.2	2830	117.0
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	pg/g	39.3	152 *J*	117.8	85.2	73.7	53.1	30.3	54.7	99.3	60.6
2,2',3,3',4,4',5,6-Octachlorobiphenyl	pg/g	120	783 *J*	146.8	203	51.4	246	111	75.6	1030	122.9
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	pg/g	18.2	93.2 *J*	134.6	39	72.7	25.7	12.3	70.5	83.1	105.5
2,2',3,4,5,5'-Hexachlorobiphenyl	pg/g	539	1080	66.8	999	59.8	834	277	100.3	283	98.7
2,2',3,4,5,5',6-Heptachlorobiphenyl	pg/g	66.9	291 *J*	125.2	121	57.6	179	61.7	97.5	219	20.1
2,2',3,3',5,6'-Hexachlorobiphenyl	pg/g	364	651	56.6	681	60.7	674	233	97.2	636	5.8
3,4,5-Trichlorobiphenyl	pg/g	0 *U*	8.27	NA	8.61	NA	5.78	6.71	14.9	6.49	11.6
2,3,4,6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,3',4,5-Hexachlorobiphenyl	pg/g	171	272	45.6	303	55.7	69.5	29.7	80.2	37.5	59.8
2,2',3,4,5-Pentachlorobiphenyl	pg/g	12.5	18.8	40.3	21.9	54.7	0 *U*	0 *U*	NA	0 *U*	NA
2,3',4-Trichlorobiphenyl	pg/g	39.6	76.5	63.6	75.1	61.9	19	16	17.1	16	17.1
2,3,5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,6,6'-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	3.54	4.02	12.7	5.55	44.2
2,3',4,4',6-Pentachlorobiphenyl	pg/g	53.8	86.1	46.2	91.7	52.1	61.3	41.8	37.8	95.5	43.6
2,3',4,5',6-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,3',4,4',5-Pentachlorobiphenyl	pg/g	11.5	20.9	58.0	18.7	47.7	5.45	3.79	35.9	3.57	41.7
2,2',3,4,4',6'-Hexachlorobiphenyl	pg/g	15.5	27.2	54.8	30.2	64.3	26.5	15.8	50.6	104	118.8
2,3',4,4',5',6-Hexachlorobiphenyl	pg/g	0 *U*	6.96	NA	8.32	NA	4.44	3.46	24.8	21.3	131.0

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Table 3-8. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
2,2',3,3',5-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,5',6-Pentachlorobiphenyl	pg/g	21.7	35	46.9	36.1	49.8	57.9	53.3	8.3	98.1	51.5
2,2',4,4',5,6'-Hexachlorobiphenyl	pg/g	31.3	47.9	41.9	60.2	63.2	82.4	56.3	37.6	474	140.8
2,2',3,3',4,6-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	7.05	6.78	3.9	9.83	32.9
2,3',4,4',5'-Pentachlorobiphenyl	pg/g	39.8	60.8	41.7	73.1	59.0	9.59	6.58	37.2	11	13.7
2,2',4,6'-Tetrachlorobiphenyl	pg/g	48.2	85.8	56.1	89.6	60.1	109	130	17.6	149	31.0
2,2',3,4',6,6'-Hexachlorobiphenyl	pg/g	0 *U*	5.68	NA	7.4	NA	17.1	12.9	28.0	81.7	130.8
2,2',3,5,6,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	6.6	NA	3.31	3.36	1.5	11	107.5
2,3,3',5',6-Pentachlorobiphenyl	pg/g	0 *U*	9.35	NA	8.05	NA	11	8.06	30.8	14.3	26.1
2,3',4,5,5'-Pentachlorobiphenyl	pg/g	0 *U*	8.2	NA	6.75	NA	6.94	6.88	0.9	14.4	69.9
2,2',3,4',5,6-Hexachlorobiphenyl	pg/g	82.9	123	39.0	159	62.9	69.1	51.5	29.2	459	147.7
2,2',3,4,5',6-Hexachlorobiphenyl	pg/g	127	234	59.3	255	67.0	252	64.2	118.8	61	122.0
2,2',3,3',4,5,6-Heptachlorobiphenyl	pg/g	15.8	40.3	87.3	27.6	54.4	32.7	11.8	93.9	38.9	17.3
2,2',3,3',4,5,5',6-Octachlorobiphenyl	pg/g	18	102 *J*	140.0	29	46.8	41.5	15.9	89.2	145	111.0
2,3,3',4,4',5'-Hexachlorobiphenyl	pg/g	69	115	50.0	131	62.0	22.1	12.9	52.6	27.6	22.1
2,3,3',4',5,5',6-Heptachlorobiphenyl	pg/g	57.4	255 *J*	126.5	109	62.0	144	61.3	80.6	441	101.5
2,4,4'-Trichlorobiphenyl	pg/g	459	883	63.2	852	60.0	133	127	4.6	117	12.8
2,2',3,6-Tetrachlorobiphenyl	pg/g	106	191	57.2	215	67.9	20.3	18.3	10.4	22.6	10.7
3,3',4,5-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,4,4',5-Tetrachlorobiphenyl	pg/g	9.91	7.63 *J*	26.0	18.1	58.5	1.81 *J*	0.684 *J*	90.3	2.32 *J*	24.7
2,3,3',5-Tetrachlorobiphenyl	pg/g	0 *U*	6.55	NA	7.25	NA	2.53	2.65	4.6	3.2	23.4
2,3',4',5,5'-Pentachlorobiphenyl	pg/g	103	169	48.5	201	64.5	7.93	18.4	79.5	28.7	113.4
2,3',4,5'-Tetrachlorobiphenyl	pg/g	7.6	14.1	59.9	14.5	62.4	10.2	11.3	10.2	13.6	28.6
2,3',4,5-Tetrachlorobiphenyl	pg/g	20	36.5	58.4	37.1	59.9	6.56	6.29	4.2	6.3	4.0
2,2',3,6,6'-Pentachlorobiphenyl	pg/g	21.2	34	46.4	39.2	59.6	20.2	19.2	5.1	35.4	54.7
2,2',3,5,6'-Pentachlorobiphenyl	pg/g	14.1	23.3	49.2	25.1	56.1	16.4	13.9	16.5	24	37.6
2,2',3,5,6-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4,6'-Pentachlorobiphenyl	pg/g	25.1	42	50.4	45.5	57.8	5.31	3.56	39.5	5.91	10.7
2,3',5',6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4-Tetrachlorobiphenyl	pg/g	15	26	53.7	30.2	67.3	6.03	5.43	10.5	8.5	34.0
2,3,4',5-Tetrachlorobiphenyl	pg/g	20.8	37.2	56.6	38.8	60.4	7.04	7.04	0.0	7.48	6.1
2,3,4,4',5-Pentachlorobiphenyl	pg/g	47.2	66.9	34.5	79.8	51.3	9.15	6.68	31.2	12	27.0
2,2',3,4,6,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4',5,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	5.76	NA	15.7	12.3	24.3	96.5	144.0
2,2',3,4,4',5,6-Heptachlorobiphenyl	pg/g	0 *U*	9.15	NA	10.9	NA	4.59	2.17 *J*	71.6	8.68	61.6
2,2',3,4,4',6,6'-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	4.34	NA
2,2',3,4,5,6,6'-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4,4',5',6-Heptachlorobiphenyl	pg/g	22.3	69.9 *J*	103.3	38.3	52.8	48.6	20.6	80.9	109	76.6
2,3,3',4,5,5',6-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4,4',5,5',6-Octachlorobiphenyl	pg/g	13.3	90.9 *J*	148.9	24.8	60.4	28.6	12.4	79.0	126	126.0
2,2',3,4',5,6,6'-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	3.22	2.67	18.7	46.6	174.1
2,3,3',4',5'-Pentachlorobiphenyl	pg/g	29.2	43.6	39.6	52.4	56.9	6.44	4.56	34.2	7.17	10.7
PCB004 & 010	pg/g	51.6	112	73.8	111	73.1	142	85.3	49.9	131	8.1
PCB005 & 008	pg/g	155	305	65.2	328	71.6	36.2	35.7	1.4	32.5	10.8
PCB007 & 009	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
PCB012 & 013	pg/g	0 *U*	44.1	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA

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Table 3-8. Field Precision for Sediment Samples.

Analyte	Location: / Sample ID: / Sample type: / Sample Date: / Units	BT006 LW2-GBT006-1 Parent sample 12/16/2005	BT006 LW2-GBT006-3 Field duplicate 12/16/2005	RPD[a] (percent)	BT006 LW2-GBT006-2 Field replicate 12/16/2005	RPD[b] (percent)	BT027 LW2-GBT027-1 Parent sample 12/6/2005	BT027 LW2-GBT027-3 Field duplicate 12/7/2005	RPD[a]	BT027 LW2-GBT027-2 Field replicate 12/7/2005	RPD[b]
PCB016 & 032	pg/g	192	376	64.8	393	68.7	56.8	58.9	3.6	62.8	10.0
PCB020 & 021 & 033	pg/g	238	438	59.2	427	56.8	58.8	56.3	4.3	52.1	12.1
PCB024 & 027	pg/g	31.9	59.5	60.4	62.5	64.8	19.5	17.6	10.2	27.6	34.4
PCB041 & 064 &071 &072	pg/g	742	1310	55.4	1390	60.8	214	185	14.5	199	7.3
PCB042 & 059	pg/g	248	443	56.4	484	64.5	66.4	54.6	19.5	55.8	17.3
PCB043 & 049	pg/g	708	1260	56.1	1280	57.5	567	419	30.0	483	16.0
PCB048 & 075	pg/g	126	221	54.8	250	66.0	33.3	33.9	1.8	35	5.0
PCB052 & 069	pg/g	1630	2770	51.8	2910	56.4	710	535	28.1	615	14.3
PCB056 & 060	pg/g	310	566	58.4	595	63.0	87.5	86.3	1.4	95.1	8.3
PCB061 & 070	pg/g	925	1610	54.0	1710	59.6	225	214	5.0	249	10.1
PCB066 & 076	pg/g	511	917	56.9	970	62.0	171	172	0.6	176	2.9
PCB084 & 092	pg/g	1290	2140	49.6	2350	58.2	472	288	48.4	368	24.8
PCB085 & 116	pg/g	440	734	50.1	821	60.4	99.6	60.3	49.2	92.2	7.7
PCB087 & 117 & 125	pg/g	1160	1930	49.8	2200	61.9	245	156	44.4	221	10.3
PCB088 & 091	pg/g	421	683	47.5	727	53.3	220	167	27.4	308	33.3
PCB090 & 101	pg/g	3010	5020	50.1	5580	59.8	1350	757	56.3	988	31.0
PCB095 & 098 & 102	pg/g	2490	4030	47.2	4360	54.6	1350	695	64.1	887	41.4
PCB106 & 118	pg/g	2460	4080	49.5	4460	57.8	599	390	42.3	665	10.4
PCB107 & 109	pg/g	178	284	45.9	311	54.4	56.9	42.2	29.7	79.7	33.4
PCB108 & 112	pg/g	141	225	45.9	257	58.3	31.8	20.2	44.6	28.2	12.0
PCB111 & 115	pg/g	56.3	89	45.0	104	59.5	10.1	7.13	34.5	13.1	25.9
PCB128 & 162	pg/g	493	841	52.2	947	63.1	273	121	77.2	158	53.4
PCB132 & 161	pg/g	849	1530	57.3	1610	61.9	1010	353	96.4	442	78.2
PCB133 & 142	pg/g	83.9	142	51.4	158	61.3	86.9	49.4	55.0	226	88.9
PCB134 & 143	pg/g	165	293	55.9	326	65.6	153	61.5	85.3	103	39.1
PCB138 & 163 & 164	pg/g	3120	5540	55.9	5710	58.7	3360	1340	86.0	2400	33.3
PCB139 & 149	pg/g	2290	4240	59.7	4290	60.8	4390	1340	106.5	2620	50.5
PCB146 & 165	pg/g	358	671	60.8	674	61.2	551	290	62.1	1390	86.5
PCB158 & 160	pg/g	372	617	49.5	682	58.8	301	117	88.0	143	71.2
PCB182 & 187	pg/g	773	3120 *J*	120.6	1400	57.7	2120	818	88.6	5600	90.2
PCB196 & 203	pg/g	393	2410 *J*	143.9	663	51.1	836	376	75.9	3290	119.0
Petroleum											
Diesel Range Hydrocarbons	mg/kg	37 *J*	60 *J*	47.4	62 *J*	50.5	76 *J*	80 *J*	5.1	76 *J*	0.0
Gasoline Range Hydrocarbons	mg/kg	1.5 *U*	1.6 *U*	NA	1.6 *U*	NA	13 *J*	2 *U*	NA	3.7 *U*	NA
Residual Range Hydrocarbons	mg/kg	180 *J*	300 *J*	50.0	310 *J*	53.1	390 *J*	490 *J*	22.7	490 *J*	22.7
Phenols											
4-Nitrophenol	µg/kg	0.32 *UJ*	0.33 *UJ*	NA	0.34 *UJ*	NA	0.35 *U*	0.37 *U*	NA	0.36 *U*	NA
2,4-Dimethylphenol	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	11 *U*	*R*		*R*	
4-Methylphenol	µg/kg	4.3 *U*	4.5 *U*	NA	4.6 *U*	NA	5.6 *U*	10	NA	7 *J*	NA
Phenol	µg/kg	2.8 *U*	7 *J*	NA	7.9 *J*	NA	29 *U*	8.4 *J*	NA	11 *J*	NA
2,4-Dichlorophenol	µg/kg	2.7 *U*	2.8 *U*	NA	2.8 *U*	NA	3.5 *U*	3.6 *U*	NA	11 *U*	NA
2,3,4,5-Tetrachlorophenol	µg/kg	0.64 *U*	0.66 *U*	NA	0.67 *U*	NA	0.82 *U*	8.5 *U*	NA	110 *U*	NA
2,4-Dinitrophenol	µg/kg	150 *U*	160 *U*	NA	160 *U*	NA	190 *U*	200 *U*	NA	210 *U*	NA
4,6-Dinitro-2-methylphenol	µg/kg	2.5 *U*	2.6 *U*	NA	2.7 *U*	NA	3.3 *U*	3.4 *U*	NA	110 *U*	NA
4-Chloro-3-methylphenol	µg/kg	3.1 *U*	3.3 *U*	NA	3.3 *U*	NA	4 *U*	4.2 *U*	NA	11 *U*	NA
Pentachlorophenol	µg/kg	0.6 *UJ*	1.1 *J*	NA	1.5 *J*	NA	0.66 *U*	0.69 *U*	NA	0.67 *U*	NA
2,4,6-Trichlorophenol	µg/kg	0.37 *U*	0.39 *U*	NA	0.39 *U*	NA	0.74 *U*	5 *U*	NA	110 *U*	NA
2-Nitrophenol	µg/kg	3.9 *U*	4 *U*	NA	4.1 *U*	NA	5 *U*	5.2 *U*	NA	11 *U*	NA

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Table 3-8. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
2,3,5,6-Tetrachlorophenol	µg/kg	0.62 *U*	0.65 *U*	NA	0.66 *U*	NA	0.8 *U*	8.4 *U*	NA	110 *U*	NA
2-Methylphenol	µg/kg	5 *U*	5.2 *U*	NA	5.3 *U*	NA	6.5 *U*	6.8 *U*	NA	11 *U*	NA
2-Chlorophenol	µg/kg	2.5 *U*	2.6 *U*	NA	2.7 *U*	NA	3.3 *U*	3.4 *U*	NA	11 *U*	NA
2,4,5-Trichlorophenol	µg/kg	2.6 *U*	7.4 *U*	NA	7.7 *U*	NA	3.5 *U*	98 *U*	NA	110 *U*	NA
Phthalates											
Bis(2-ethylhexyl) phthalate	µg/kg	51 *U*	78	NA	140	NA	95 *U*	410	NA	73	NA
Di-n-octyl phthalate	µg/kg	1.8 *U*	1.9 *U*	NA	1.9 *U*	NA	2.3 *U*	2.4 *U*	NA	11 *U*	NA
Dimethyl phthalate	µg/kg	2.7 *U*	2.8 *U*	NA	2.8 *U*	NA	3.5 *U*	3.6 *U*	NA	11 *U*	NA
Diethyl phthalate	µg/kg	18	5.4 *U*	NA	5.5 *U*	NA	6.7 *U*	7 *U*	NA	11 *U*	NA
Dibutyl phthalate	µg/kg	6.5 *U*	8.2 *U*	NA	14 *U*	NA	8 *J*	11 *U*	NA	8.9 *U*	NA
Butylbenzyl phthalate	µg/kg	6.1 *J*	6.2 *J*	1.6	12	65.2	5.8 *J*	34	141.7	11 *U*	NA
SVOCs											
4-Nitroaniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	20 *U*	NA	21 *U*	NA
Benzyl alcohol	µg/kg	5.5 *U*	5.7 *U*	NA	5.8 *U*	NA	7.3 *J*	7.4 *U*	NA	11 *U*	NA
4-Bromophenyl phenyl ether	µg/kg	2.1 *U*	2.2 *U*	NA	2.2 *U*	NA	2.7 *U*	2.8 *U*	NA	11 *U*	NA
Azobenzene	µg/kg	3.6 *U*	3.7 *U*	NA	3.8 *U*	NA	4.6 *U*	4.8 *U*	NA	11 *U*	NA
1,4-Dichlorobenzene	µg/kg	0.18 *U*	0.19 *U*	NA	0.19 *U*	NA	0.23 *U*	0.24 *U*	NA	0.25 *U*	NA
4-Chloroaniline	µg/kg	3.1 *U*	3.3 *U*	NA	3.3 *U*	NA	4 *U*	4.2 *U*	NA	11 *U*	NA
Bis(2-chloroethyl) ether	µg/kg	3.6 *U*	3.7 *U*	NA	3.8 *U*	NA	4.6 *U*	4.8 *U*	NA	11 *U*	NA
Bis(2-chloroethoxy) methane	µg/kg	2 *U*	2 *U*	NA	2.1 *U*	NA	2.5 *U*	2.6 *U*	NA	11 *U*	NA
Hexachlorobenzene	µg/kg	0.0629 *J*	0.0777 *J*	21.1	0.0785 *J*	22.1	0.209	0.165 *J*	23.5	0.202	3.4
1,2,4-Trichlorobenzene	µg/kg	0.53 *U*	0.55 *U*	NA	0.56 *U*	NA	0.69 *U*	0.72 *U*	NA	0.73 *U*	NA
2,4-Dinitrotoluene	µg/kg	4.2 *U*	4.3 *U*	NA	4.4 *U*	NA	5.4 *U*	5.6 *U*	NA	11 *U*	NA
Dibenzofuran	µg/kg	1.7 *J*	1.3 *J*	26.7	1.4 *J*	19.4	1.4 *J*	1.3 *J*	7.4	1.7 *J*	19.4
Bis(2-chloroisopropyl) ether	µg/kg	1.8 *U*	1.9 *U*	NA	1.9 *U*	NA	2.3 *U*	2.4 *U*	NA	11 *U*	NA
1,3-Dichlorobenzene	µg/kg	0.17 *U*	0.17 *U*	NA	0.18 *U*	NA	0.21 *U*	0.22 *U*	NA	0.23 *U*	NA
2,6-Dinitrotoluene	µg/kg	4.2 *U*	4.3 *U*	NA	4.4 *U*	NA	5.4 *U*	5.6 *U*	NA	11 *U*	NA
N-Nitrosodipropylamine	µg/kg	4.7 *UJ*	4.9 *U*	NA	5 *U*	NA	6.1 *U*	6.4 *U*	NA	11 *U*	NA
Aniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	*R*		*R*	
N-Nitrosodimethylamine	µg/kg	37 *U*	39 *U*	NA	39 *U*	NA	12 *U*	13 *U*	NA	13 *U*	NA
Benzoic acid	µg/kg	150 *U*	150 *U*	NA	150 *U*	NA	*R*	*R*		*R*	
Hexachloroethane	µg/kg	0.077 *UJ*	0.59 *J*	NA	0.62 *NJ*	NA	0.2 *UJ*	0.3 *J*	NA	0.2 *U*	NA
4-Chlorophenyl phenyl ether	µg/kg	3 *U*	3.1 *U*	NA	3.2 *U*	NA	3.8 *U*	4 *U*	NA	11 *U*	NA
Hexachlorocyclopentadiene	µg/kg	23 *U*	23 *U*	NA	24 *U*	NA	29 *U*	30 *U*	NA	31 *U*	NA
Isophorone	µg/kg	2.4 *U*	2.5 *U*	NA	2.5 *U*	NA	3.1 *U*	3.2 *U*	NA	11 *U*	NA
N-Nitrosodiphenylamine	µg/kg	3.3 *U*	3.4 *U*	NA	3.5 *U*	NA	4.2 *U*	4.4 *U*	NA	11 *U*	NA
Carbazole	µg/kg	3.4 *J*	3.4 *J*	0.0	3.3 *J*	3.0	2.5 *U*	2.6 *U*	NA	3.9 *J*	NA
Hexachlorobutadiene	µg/kg	0.25 *U*	0.114 *J*	NA	0.27 *U*	NA	0.33 *U*	0.00315 *U*	NA	0.00179 *UJ*	NA
2-Nitroaniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	20 *U*	NA	21 *U*	NA
2-Chloronaphthalene	µg/kg	5.3 *U*	5.5 *U*	NA	5.6 *U*	NA	6.9 *U*	7.2 *U*	NA	11 *U*	NA
3,3'-Dichlorobenzidine	µg/kg	5.5 *U*	5.7 *U*	NA	5.8 *U*	NA	7.1 *U*	7.4 *U*	NA	110 *U*	NA
1,2-Dichlorobenzene	µg/kg	0.16 *J*	0.12 *U*	NA	0.12 *U*	NA	0.15 *U*	0.15 *U*	NA	0.16 *U*	NA
Nitrobenzene	µg/kg	3 *U*	3.1 *U*	NA	3.2 *U*	NA	3.8 *U*	4 *U*	NA	11 *U*	NA
3-Nitroaniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	20 *U*	NA	21 *U*	NA
Volatile Organic Compounds											
Ethylbenzene	µg/kg	0.11 *U*	0.11 *U*	NA	0.12 *U*	NA	0.14 *U*	0.15 *U*	NA	0.15 *U*	NA
Styrene	µg/kg	0.11 *U*	0.12 *U*	NA	0.12 *U*	NA	0.15 *U*	0.15 *U*	NA	0.17 *U*	NA
cis-1,3-Dichloropropene	µg/kg	0.046 *U*	0.048 *U*	NA	0.049 *U*	NA	0.059 *U*	0.062 *U*	NA	0.063 *U*	NA

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Table 3-8. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
trans-1,3-Dichloropropene	µg/kg	0.065 *U*	0.068 *U*	NA	0.069 *U*	NA	0.084 *U*	0.087 *U*	NA	0.089 *U*	NA
Ethylene dibromide	µg/kg	0.075 *U*	0.078 *U*	NA	0.08 *U*	NA	0.097 *U*	0.11 *U*	NA	0.11 *U*	NA
1,2-Dichloroethane	µg/kg	0.046 *U*	0.048 *U*	NA	0.049 *U*	NA	0.059 *U*	0.062 *U*	NA	0.063 *U*	NA
Acrylonitrile	µg/kg	0.34 *U*	0.36 *U*	NA	0.36 *U*	NA	0.44 *U*	0.46 *U*	NA	0.47 *U*	NA
Methyl isobutyl ketone	µg/kg	0.36 *U*	0.37 *U*	NA	0.38 *U*	NA	0.46 *U*	0.48 *U*	NA	0.49 *U*	NA
Toluene	µg/kg	0.23 *U*	0.23 *U*	NA	0.24 *U*	NA	0.29 *U*	0.3 *U*	NA	0.31 *U*	NA
Chlorobenzene	µg/kg	0.11 *U*	0.11 *U*	NA	0.11 *U*	NA	0.14 *U*	0.14 *U*	NA	0.15 *U*	NA
1,4-Dichloro-trans-2-butene	µg/kg	0.75 *U*	0.78 *U*	NA	0.8 *U*	NA	0.97 *U*	1.1 *U*	NA	1.1 *U*	NA
2-Chloroethyl vinyl ether	µg/kg	0.23 *U*	0.23 *U*	NA	0.24 *U*	NA	0.29 *U*	0.3 *U*	NA	0.31 *U*	NA
Chlorodibromomethane	µg/kg	0.1 *U*	0.11 *U*	NA	0.11 *U*	NA	0.13 *U*	0.14 *U*	NA	0.14 *U*	NA
Tetrachloroethene	µg/kg	0.15 *U*	0.15 *U*	NA	0.15 *U*	NA	0.19 *U*	0.19 *U*	NA	0.2 *U*	NA
cis-1,2-Dichloroethene	µg/kg	0.092 *U*	0.095 *U*	NA	0.097 *U*	NA	0.12 *U*	0.13 *U*	NA	0.13 *U*	NA
trans-1,2-Dichloroethene	µg/kg	0.28 *U*	0.29 *U*	NA	0.3 *U*	NA	0.37 *U*	0.38 *U*	NA	0.39 *U*	NA
Methyl tert-butyl ether	µg/kg	0.058 *U*	0.06 *U*	NA	0.061 *U*	NA	0.075 *U*	0.078 *U*	NA	0.079 *U*	NA
m,p-Xylene	µg/kg	0.2 *U*	0.2 *U*	NA	0.21 *U*	NA	0.25 *U*	0.26 *U*	NA	0.27 *U*	NA
Carbon tetrachloride	µg/kg	0.15 *U*	0.16 *U*	NA	0.16 *U*	NA	0.19 *U*	0.2 *U*	NA	0.2 *U*	NA
Methyl N-butyl ketone	µg/kg	0.94 *U*	0.98 *U*	NA	1 *U*	NA	1.3 *U*	1.3 *U*	NA	1.3 *U*	NA
1,1,1,2-Tetrachloroethane	µg/kg	0.046 *U*	0.048 *U*	NA	0.049 *U*	NA	0.059 *U*	0.062 *U*	NA	0.063 *U*	NA
Acetone	µg/kg	3.4 *J*	2.5 *U*	NA	6.6 *J*	64.0	3.1 *U*	3.2 *U*	NA	6.2 *U*	NA
Chloroform	µg/kg	0.083 *U*	0.086 *U*	NA	0.088 *U*	NA	0.19 *J*	0.12 *U*	NA	0.12 *U*	NA
Benzene	µg/kg	0.058 *U*	0.06 *U*	NA	0.061 *U*	NA	0.075 *U*	0.078 *U*	NA	0.079 *U*	NA
1,1,1-Trichloroethane	µg/kg	0.087 *U*	0.09 *U*	NA	0.092 *U*	NA	0.12 *U*	0.12 *U*	NA	0.12 *U*	NA
Bromomethane	µg/kg	0.55 *U*	0.57 *U*	NA	0.58 *U*	NA	0.71 *U*	0.74 *U*	NA	0.75 *U*	NA
Chloromethane	µg/kg	0.28 *U*	0.29 *U*	NA	0.3 *U*	NA	0.37 *U*	0.38 *U*	NA	0.39 *U*	NA
Methyl iodide	µg/kg	0.99 *U*	1.1 *U*	NA	1.1 *U*	NA	1.3 *UJ*	1.4 *UJ*	NA	1.4 *UJ*	NA
Methylene bromide	µg/kg	0.13 *U*	0.13 *U*	NA	0.13 *U*	NA	0.16 *U*	0.17 *U*	NA	0.17 *U*	NA
Bromochloromethane	µg/kg	0.089 *U*	0.092 *U*	NA	0.094 *U*	NA	0.12 *U*	0.12 *U*	NA	0.13 *U*	NA
Chloroethane	µg/kg	0.42 *U*	0.43 *U*	NA	0.44 *U*	NA	0.54 *U*	0.56 *U*	NA	0.57 *U*	NA
Vinyl chloride	µg/kg	0.13 *U*	0.13 *U*	NA	0.14 *U*	NA	0.17 *U*	0.17 *U*	NA	0.18 *U*	NA
Methylene chloride	µg/kg	0.43 *U*	0.45 *U*	NA	0.46 *U*	NA	1.5 *U*	0.76 *U*	NA	1.3 *U*	NA
Carbon disulfide	µg/kg	0.2 *U*	0.2 *U*	NA	0.21 *U*	NA	0.25 *U*	0.26 *U*	NA	0.27 *U*	NA
Bromoform	µg/kg	0.068 *U*	0.071 *U*	NA	0.072 *U*	NA	0.088 *U*	0.091 *U*	NA	0.093 *U*	NA
Bromodichloromethane	µg/kg	0.1 *U*	0.11 *U*	NA	0.11 *U*	NA	0.13 *U*	0.14 *U*	NA	0.14 *U*	NA
1,1-Dichloroethane	µg/kg	0.084 *U*	0.087 *U*	NA	0.089 *U*	NA	0.11 *U*	0.12 *U*	NA	0.12 *U*	NA
Vinylidene chloride	µg/kg	0.13 *U*	0.13 *U*	NA	0.13 *U*	NA	0.16 *U*	0.17 *U*	NA	0.17 *U*	NA
Trichlorofluoromethane	µg/kg	0.12 *U*	0.13 *U*	NA	0.13 *U*	NA	0.16 *U*	0.17 *U*	NA	0.17 *U*	NA
Dichlorodifluoromethane	µg/kg	20	8.8	77.8	6.2	105.3	0.34 *J*	0.22 *U*	NA	1.5	126.1
1,2-Dichloropropane	µg/kg	0.052 *U*	0.054 *U*	NA	0.055 *U*	NA	0.067 *U*	0.07 *U*	NA	0.071 *U*	NA
1,1,2-Trichloroethane	µg/kg	0.087 *U*	0.09 *U*	NA	0.092 *U*	NA	0.12 *U*	0.12 *U*	NA	0.12 *U*	NA
Trichloroethene	µg/kg	0.092 *U*	0.095 *U*	NA	0.097 *U*	NA	0.12 *U*	0.13 *U*	NA	0.13 *U*	NA
1,1,2,2-Tetrachloroethane	µg/kg	0.15 *U*	0.15 *U*	NA	0.15 *U*	NA	0.19 *U*	0.19 *U*	NA	0.2 *U*	NA
o-Xylene	µg/kg	0.12 *U*	0.12 *U*	NA	0.12 *U*	NA	0.15 *U*	0.15 *U*	NA	0.16 *U*	NA
1,2,3-Trichloropropane	µg/kg	0.17 *U*	0.17 *U*	NA	0.18 *U*	NA	0.21 *U*	0.22 *U*	NA	0.23 *U*	NA
Isopropylbenzene	µg/kg	0.065 *U*	0.068 *U*	NA	0.069 *U*	NA	0.084 *U*	0.087 *U*	NA	0.089 *U*	NA

Notes:

[a] Relative percent difference between the parent sample and the field duplicate (split sample).

[b] Relative percent difference between the parent sample and the field replicate (co-located sample).

Table 3-9. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006	LW2-BTFC006	RPD	LW2-BTFC027	LW2-BTFC027	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
		Rep 1	Rep 2		Rep 1	Rep 2													
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
Butyltins																			
Dibutyltin ion	µg/kg	14	9.5	38.3	2.2	1.9	14.6	0.55 *U*	0.55 *U*	NA	1.1	0.99 *J*	11	3.9 *J*	6	42.4	14	12	15.4
Tetrabutyltin	µg/kg	0.067 *U*	0.067 *U*	NA	0.067 *U*	0.067 *U*	NA	0.067 *U*	0.067 *U*	NA	0.067 *U*	0.067 *U*	NA	1 *U*	2	NA	2.4 *NJ*	0.87 *U*	NA
Tributyltin ion	µg/kg	7.6	6	23.5	3.3	3.7	11.4	2.7 *U*	2.7 *U*	NA	4.6	3.2	36	2.3	2.8	19.6	7.3	5.7	24.6
Butyltin ion	µg/kg	4.3	3	35.6	2.5	0.71 *U*	NA	0.18 *U*	0.21 *U*	NA	0.54 *J*	0.24 *J*	77	9.9 *NJ*	51	135.0	61 *J*	44	32.4
Conventionals																			
Lipids	percent	1.48	1.93	26.4	1.68	2.49	38.8	0.847	0.813	4.1	0.958	0.935	2	2.37	2.74	14.5	2.84	1.35	71.1
Total solids	percent	10.2	11.3	10.2	11.1	12.5	11.9	6.8	6.5	4.5	6.78	6.65	2	15.2	15.4	1.3	15.3	15.1	1.3
Dioxin/furan homologs																			
Tetrachlorodibenzofuran homologs	pg/g	15.7	23.1	38.1	4.41	6.64	40.4	1.89	1.7	10.6	1.67	1.11	40	19.4	25	25.2	11.8	8.27	35.2
Pentachlorodibenzofuran homologs	pg/g	7.29	7.67	5.1	1.69	2.69	45.7	0.875	0.873	0.2	0.792	0.566	33	12.2	14.7	18.6	7.73	6.01	25.0
Octachlorodibenzo-p-dioxin	pg/g	15.1	14.8	2.0	9.47	15.7	49.5	3.34	4.4	27.4	3.59	3.71	3	13.3	13.6	2.2	16.5	10.7	42.6
Hexachlorodibenzo-p-dioxin homologs	pg/g	2.17	2.93	29.8	1.51	2.24	38.9	0.159 *U*	0.117	NA	0.355	0.211	51	5.27	5.76	8.9	4.67	3.67	24.0
Pentachlorodibenzo-p-dioxin homologs	pg/g	1.03	1.74	51.3	0.611	1.03	51.1	0.128	0.051	86.0	0.117 *U*	0.118 *U*	NA	2.53	3.35	27.9	2.69	2.13	23.2
Heptachlorodibenzo-p-dioxin homologs	pg/g	5.65	5.66	0.2	3.11	5.24	51.0	0.98	1.13	14.2	0.44	1.03	80	8.87	8.92	0.6	9.26	6.25	38.8
Heptachlorodibenzofuran homologs	pg/g	1.78	1.63	8.8	0.962	1.6	49.8	0.193	0.338	54.6	0.16	0.183	13	2.34	3.63	43.2	2.45	2.46	0.4
Octachlorodibenzofuran	pg/g	0.821 *U*	0.774 *J*	NA	0.551 *J*	1.05 *J*	62.3	0.206 *J*	0.253 *J*	20.5	0.205 *U*	0.313 *U*	NA	1.29 *J*	1.43 *J*	10.3	1.77 *J*	0.97 *J*	58.4
Tetrachlorodibenzo-p-dioxin homologs	pg/g	4.08	5.87	36.0	3.64	6.39	54.8	0.572	0.527	8.2	0.652	0.519	23	6.66	8.59	25.3	12.2	8.97	30.5
Hexachlorodibenzofuran homologs	pg/g	3.06	3.18	3.8	1.16	1.7	37.8	0.419	0.461	9.5	0.383	0.259	39	5.38	6	10.9	4.59	3.6	24.2
Dioxins/furans																			
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.168 *U*	0.199 *U*	NA	0.116 *U*	0.202 *U*	NA	0.088 *U*	0.068 *U*	NA	0.078 *U*	0.098 *U*	NA	0.363	0.351	3.4	0.744 *U*	0.286 *U*	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.154 *J*	0.183 *J*	17.2	0.138 *J*	0.17 *U*	NA	0.074 *U*	0.055 *U*	NA	0.0949 *U*	0.089 *J*	NA	0.445 *J*	0.438 *J*	1.6	0.389 *J*	0.311 *J*	22.3
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2.84	2.89	1.7	1.51	2.48	48.6	0.414 *U*	0.5 *U*	NA	0.382 *U*	0.417 *J*	NA	4.45	4.7	5.5	4.45	3.37	27.6
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.114 *U*	0.096 *J*	NA	0.061 *J*	0.111 *J*	58.1	0.159 *U*	0.156 *U*	NA	0.166 *U*	0.167 *U*	NA	0.227 *J*	0.238 *J*	4.7	0.238 *U*	0.201 *J*	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.182 *U*	0.204 *J*	NA	0.128 *J*	0.193 *J*	40.5	0.061 *J*	0.051 *J*	17.9	0.07 *U*	0.065 *U*	NA	0.542 *J*	0.65 *J*	18.1	0.6 *J*	0.441 *J*	30.5
2,3,7,8-Tetrachlorodibenzofuran	pg/g	1.41	2.21	44.2	0.488	0.674	32.0	0.246 *U*	0.193 *J*	NA	0.271 *U*	0.242	NA	2.14	2.5	15.5	0.966	0.652	38.8
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.131 *U*	0.13 *U*	NA	0.133 *U*	0.133 *U*	NA	0.127 *U*	0.125 *U*	NA	0.132 *U*	0.061 *U*	NA	0.132 *U*	0.057 *U*	NA	0.078 *U*	0.057 *U*	NA
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.494 *U*	0.522 *J*	NA	0.144 *J*	0.169 *J*	16.0	0.11 *U*	0.091 *U*	NA	0.095 *J*	0.109 *J*	14	0.939 *J*	1.08 *J*	14.0	0.508 *J*	0.374 *J*	30.4
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.22 *J*	0.209 *J*	5.1	0.058 *U*	0.07 *U*	NA	0.077 *U*	0.06 *U*	NA	0.051 *J*	0.081 *U*	NA	0.624 *J*	0.659 *J*	5.5	0.268 *J*	0.213 *J*	22.9
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.071 *U*	0.064 *J*	NA	0.0942 *U*	0.0945 *U*	NA	0.0899 *U*	0.0884 *U*	NA	0.0936 *U*	0.0945 *U*	NA	0.205 *J*	0.211 *J*	2.9	0.196 *U*	0.166 *J*	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.586 *U*	0.6 *J*	NA	0.273 *J*	0.466 *J*	52.2	0.088 *U*	0.117 *J*	NA	0.113 *J*	0.121 *J*	7	1.32	1.48	11.4	1.24	1.07 *J*	14.7
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.123 *U*	0.116 *J*	NA	0.067 *J*	0.105 *J*	44.2	0.082 *J*	0.066 *J*	21.6	0.084 *J*	0.075 *U*	NA	0.219 *J*	0.227 *U*	NA	0.237 *U*	0.133 *U*	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.613 *U*	0.502 *J*	NA	0.319 *J*	0.544 *J*	52.1	0.181 *U*	0.12 *J*	NA	0.108 *U*	0.166 *U*	NA	1.13 *U*	1.16	NA	1.12 *J*	0.801 *J*	33.2
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.145 *J*	0.198 *J*	30.9	0.066 *J*	0.091 *U*	NA	0.056 *U*	0.056 *U*	NA	0.05 *J*	0.071 *U*	NA	0.417 *J*	0.515 *J*	21.0	0.333 *J*	0.257 *J*	25.8
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.132 *U*	0.131 *U*	NA	0.133 *U*	0.134 *U*	NA	0.052 *U*	0.125 *U*	NA	0.133 *U*	0.081 *J*	NA	0.133 *U*	0.133 *U*	NA	0.054 *U*	0.141 *U*	NA
Metals																			
Aluminum	mg/kg	22.4 *J*	42.2 *J*	61.3	63.8 *J*	89.1 *J*	33.1	27.4	41.9	41.8	22.8	34.7	41	235	193	19.6	389	391	0.5
Lead	mg/kg	0.071	0.079	10.7	0.054	0.054	0.0	0.069	0.063	9.1	0.04	0.041	2	0.258	0.256	0.8	0.21	0.373	55.9
Mercury	mg/kg	0.005 *J*	0.005 *J*	0.0	0.008 *J*	0.008 *J*	0.0	0.0098	0.0095	3.1	0.0078	0.0088	12	0.0036	0.0035	2.8			NA
Nickel	mg/kg	0.288	0.321	10.8	0.344	0.282 *J*	19.8	0.188 *J*	0.154 *J*	19.9	0.152	0.148	3	0.377	0.318	17.0	0.479	0.404	17.0
Silver	mg/kg	0.0255	0.0243	4.8	0.0734	0.0849	14.5	0.0109	0.01	8.6	0.0115	0.0138	18	0.0065	0.0053	20.3	0.0064	0.0054	16.9
Antimony	mg/kg	0.004 *J*	0.001 *J*	120.0	0.001 *J*	0.001 *J*	0.0	0.0009 *U*	0.001 *U*	NA	0.0007	0.0007	0	0.002 *UJ*	0.002 *UJ*	NA	0.002 *J*	0.002 *UJ*	NA
Arsenic	mg/kg	0.875 *J*	0.816 *J*	7.0	0.828 *J*	0.908	9.2	0.424	0.414	2.4	0.423 *J*	0.379 *J*	11	0.391	0.598	41.9	1.2	1.39	14.7
Cadmium	mg/kg	0.17 *J*	0.171 *J*	0.6	0.0623 *J*	0.062	0.5	0.049	0.0484	1.2	0.0504	0.0447	12	0.115 *J*	0.0919 *J*	22.3	0.0404	0.0405	0.2
Chromium	mg/kg	1.08	1.01	6.7	0.76	0.66	14.1	0.18	0.19	5.4	0.24	0.26	8	0.41	0.32	24.7	0.78	0.57	31.1
Copper	mg/kg	9.87	9.65	2.3	8.59	8.25	4.0	4.16 *J*	3.85 *J*	7.7	3.92	3.17	21	3.29	2.98	9.9	2.06	2.66	25.4
Zinc	mg/kg	40.4	44.4	9.4	31	33.7	8.3	12.5	11.7	6.6	14.6	14.1	3	24.4	26.3	7.5	24.3	23.5	3.3
Selenium	mg/kg	0.07	0.082	15.8	0.08 *J*	0.119 *J*	39.2	0.173	0.165	4.7	0.095	0.085	11	0.26	0.28	7.4	0.11	0.21 *J*	62.5
Organochlorine pesticides																			
Heptachlor epoxide	µg/kg	0.0402 *J*	0.0474 *J*	16.4	0.0388 *J*	0.0503 *J*	25.8	0.0208 *J*	0.0173 *J*	18.4	0.0342 *J*	0.0264 *J*	26	0.0255 *J*	0.0227 *J*	11.6	0.0131 *J*	0.00928 *U*	NA
Endosulfan sulfate	µg/kg	0.43	0.542	23.0	0.491	0.654	28.5	0.0287 *U*	0.0302 *U*	NA	0.0467 *J*	0.0416 *U*	NA	0.393	0.382	2.8	0.42	0.343	20.2
Oxychlordane	µg/kg	0.04 *J*	0.0494 *J*	21.0	0.0456 *J*	0.0648 *J*	34.8	0.0476 *J*	0.0393 *J*	19.1	0.0609 *J*	0.0478 *U*	NA	0.03 *J*	0.033 *J*	9.5	0.0357 *J*	0.0309 *J*	14.4
Aldrin	µg/kg	0.121 *J*	0.131 *J*	7.9	0.111 *J*	0.159 *J*	35.6	0.0176 *J*	0.0164 *J*	7.1	0.0197 *J*	0.0175 *U*	NA	0.177 *J*	0.223 *J*	23.0	0.448 *J*	0.38 *J*	16.4
alpha-Hexachlorocyclohexane	µg/kg	0.00847 *U*	0.00569 *J*	NA	0.00682 *J*	0.00976 *U*	NA	0.0136 *J*	0.00889 *J*	41.9	0.00607 *J*	0.01 *U*	NA	0.011 *J*	0.01 *J*	9.5	0.00714 *U*	0.00769 *J*	NA
beta-Hexachlorocyclohexane	µg/kg	0.0414 *U*	0.0411 *U*	NA	0.0419 *U*	0.0427 *U*	NA	0.00629 *J*	0.00268 *J*	80.5	0.00156 *U*	0.00179 *U*	NA	0.0526 *U*	0.0526 *U*	NA	0.00389 *J*	0.00359 *U*	NA
delta-Hexachlorocyclohexane	µg/kg	0.00183 *U*	0.00106 *J*	NA	0.00102 *J*	0.00112 *U*	NA	0.00377 *UJ*	0.00212 *U*	NA	0.0182 *U*	0.0183 *U*	NA	0.00106 *U*	0.00127 *U*	NA	0.0181 *U*	0.0193 *U*	NA
beta-Endosulfan	µg/kg	0.118 *J*	0.138 *J*	15.6	0.119 *J*	0.167 *J*	33.6	0.059 *U*	0.0205 *U*	NA	0.0614 *U*	0.0619 *U*	NA	0.0788 *J*	0.0989 *J*	22.6	0.113 *J*	0.0753 *U*	NA
2,4'-DDE	µg/kg	0.511	0.574	11.6	0.103 *U*	0.141 *J*	NA	0.0204 *J*	0.0224 *J*	9.3	0.0158 *J*	0.0139 *J*	13	0.439	0.57	26.0	0.264	0.226 *J*	15.5

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This document is currently under review by US EPA

Table 3-9. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006	LW2-BTFC006	RPD	LW2-BTFC027	LW2-BTFC027	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
		Rep 1	Rep 2		Rep 1	Rep 2													
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
trans-Nonachlor	µg/kg	0.816	0.934	13.5	0.769	1.06	31.8	0.884	0.798	10.2	0.993	0.933	6	0.643	0.667	3.7	0.656	0.517	23.7
4,4'-DDT	µg/kg	1.32	1.75	28.0	0.55	0.718	26.5	0.0888 *J*	0.0802 *J*	10.2	0.0967 *J*	0.121 *J*	22	0.472	0.286 *J*	49.1	0.126 *J*	0.119 *J*	5.7
cis-Chlordane	µg/kg	0.732	0.863	16.4	0.609	0.772	23.6	0.621	0.529	16.0	0.533	0.549	3	1.06	1.04	1.9	1.09	0.947	14.0
cis-Nonachlor	µg/kg	0.279 *J*	0.349 *J*	22.3	0.281 *J*	0.356 *J*	23.5	0.319 *J*	0.277 *J*	14.1	0.328 *J*	0.281 *J*	15	0.301 *J*	0.327 *J*	8.3	0.343 *J*	0.288 *J*	17.4
trans-Chlordane	µg/kg	0.57	0.665	15.4	0.426 *J*	0.544	24.3	0.36 *J*	0.328 *J*	9.3	0.339 *J*	0.364 *J*	7	0.807	0.923	13.4	0.775	0.646	18.2
2,4'-DDD	µg/kg	1.84	2.61	34.6	0.392	0.578	38.4	0.208 *J*	0.226	8.3	0.165 *J*	0.121 *J*	31	2.06	2.69	26.5	1.31	1.26	3.9
Endrin ketone	µg/kg	0.00267 *U*	0.00304 *J*	NA	0.00201 *J*	0.00165 *J*	19.7	0.0382 *U*	0.0375 *U*	NA	0.0397 *U*	0.0401 *U*	NA	0.00107 *J*	0.04 *U*	NA	0.0396 *U*	0.0421 *U*	NA
gamma-Hexachlorocyclohexane	µg/kg	0.0406 *J*	0.0414 *J*	2.0	0.0495 *J*	0.0693 *U*	NA	0.0576 *J*	0.0529 *J*	8.5	0.051 *J*	0.0519 *J*	2	0.019 *J*	0.016 *J*	17.1	0.00879 *U*	0.00666 *J*	NA
Dieldrin	µg/kg	0.575	0.691	18.3	0.521	0.712	31.0	0.179	0.169 *J*	5.7	0.222	0.189	16	0.473	0.45	5.0	0.27	0.216	22.2
Endrin	µg/kg	0.0054 *U*	0.0101 *J*	NA	0.00518 *J*	0.00772 *J*	39.4	0.0244 *U*	0.024 *U*	NA	0.00289 *U*	0.00368 *U*	NA	0.00727 *J*	0.0256 *U*	NA	0.00457 *U*	0.0269 *U*	NA
Methoxychlor	µg/kg	0.0221 *U*	0.0222 *U*	NA	0.0186 *U*	0.0258 *U*	NA	0.0183 *U*	0.018 *U*	NA	0.019 *U*	0.0192 *U*	NA	0.019 *U*	0.0191 *U*	NA	0.019 *U*	0.0202 *U*	NA
4,4'-DDD	µg/kg	8.08	10.4	25.1	1.81	2.64	37.3	0.624	0.751	18.5	0.615	0.484	24	13.3	16.9	23.8	7.5	6.53	13.8
4,4'-DDE	µg/kg	8.84	10	12.3	5.19	7.07	30.7	0.612	0.601	1.8	0.832	0.731	13	12.2	14	13.7	13.9	11.5	18.9
Endrin aldehyde	µg/kg	0.0189 *U*	0.0188 *U*	NA	0.0192 *U*	0.0192 *U*	NA	0.0183 *U*	0.018 *U*	NA	0.0191 *U*	0.0192 *U*	NA	0.0191 *U*	0.0192 *U*	NA	0.019 *U*	0.0202 *U*	NA
Heptachlor	µg/kg	0.0129 *J*	0.0185 *U*	NA	0.00927 *J*	0.0114 *U*	NA	0.0196 *U*	0.0199 *J*	NA	0.0205 *J*	0.0211 *J*	3	0.013 *J*	0.012 *J*	8.0	0.00507 *J*	0.00589 *J*	15.0
2,4'-DDT	µg/kg	0.395	0.55	32.8	0.16 *J*	0.194 *J*	19.2	0.0274 *J*	0.0275 *J*	0.4	0.0261 *J*	0.0388 *J*	39	0.067 *J*	0.067 *J*	0.0	0.0232 *J*	0.0342 *J*	38.3
alpha-Endosulfan	µg/kg	0.122 *J*	0.131 *J*	7.1	0.101 *J*	0.126 *J*	22.0	0.0229 *U*	0.0225 *U*	NA	0.0139 *U*	0.0195 *U*	NA	0.0483 *J*	0.0496 *J*	2.7	0.0219 *J*	0.0267 *J*	19.8
PAHs																			
Anthracene	µg/kg	9	9.5	5.4	1.1	1.4	24.0	0.93	0.85	9.0	1.9	1	62	5	7.7	42.5	3.7	2.9	24.2
Pyrene	µg/kg	140	150	6.9	6	7.8	26.1	13	12	8.0	6.7	5.9	13	160	210	27.0	38	35	8.2
Benzo(g,h,i)perylene	µg/kg	10	9.2	8.3	0.4 *J*	0.57	35.1	0.37 *J*	0.35 *J*	5.6	0.17 *U*	0.17 *U*	NA	20	25	22.2	4.4	4.2	4.7
Indeno(1,2,3-cd)pyrene	µg/kg	5.3	6.1	14.0	0.16 *U*	0.16 *U*	NA	0.16 *U*	0.16 *U*	NA	0.16 *U*	0.16 *U*	NA	13	17	26.7	2.3	2.2	4.4
Benzo(b)fluoranthene	µg/kg	39	38	2.6	0.91	1	9.4	0.99	1	1.0	0.3 *J*	0.15 *U*	NA	82	110	29.2	12	11	8.7
Fluoranthene	µg/kg	86	94	8.9	6.7	9	29.3	7.3	7	4.2	8.1	6.7	19	90	130	36.4	41	37	10.3
Benzo(k)fluoranthene	µg/kg	15	15	0.0	0.42 *J*	0.52	21.3	0.46 *J*	0.36 *J*	24.4	0.13 *U*	0.13 *U*	NA	45	57	23.5	7.3	6.7	8.6
Acenaphthylene	µg/kg	0.81	0.84	3.6	0.28 *J*	0.092 *U*	NA	0.31 *J*	0.19 *J*	48.0	0.092 *U*	0.092 *U*	NA	2.3	1.3	55.6	2.8	4.2	40.0
Chrysene	µg/kg	110	110	0.0	4.5	5.7	23.5	3.9	3.8	2.6	1.9	1.7	11	130	170	26.7	26	25	3.9
Benzo(a)pyrene	µg/kg	15	15	0.0	1.2	1.6	28.6	0.64	0.67	4.6	0.57	0.12 *U*	NA	17	25	38.1	3.5	3.5	0.0
Dibenz(a,h)anthracene	µg/kg	2.4	3.2	28.6	0.11 *U*	0.11 *U*	NA	0.11 *U*	0.11 *U*	NA	0.11 *U*	0.11 *U*	NA	3.6	4.3	17.7	0.11 *U*	0.22 *U*	NA
Benz(a)anthracene	µg/kg	56	56	0.0	2.3	3.6	44.1	1.1	1.1	0.0	0.81	0.65	22	40	56	33.3	11	11	0.0
Acenaphthene	µg/kg	1.2	1.2	0.0	0.22 *J*	0.091 *U*	NA	0.29 *J*	0.2 *J*	36.7	0.22 *J*	0.22 *J*	0	2.1	3.3	44.4	3.1	3.5	12.1
Phenanthrene	µg/kg	25	27	7.7	3.4	4.8	34.1	4.4	4	9.5	5.1	4	24	11	15	30.8	14	9.7	36.3
Fluorene	µg/kg	3.9	4.3	9.8	0.83	1.1	28.0	0.68	0.64	6.1	0.63	0.66	5	2	3.6	57.1	4	3.2	22.2
Naphthalene	µg/kg	2.1 *U*	2 *U*	NA	0.97 *U*	1.1 *U*	NA	1 *U*	0.64 *U*	NA	0.57 *U*	0.63 *U*	NA	0.94 *U*	0.94 *U*	NA	1.4 *U*	1.1 *U*	NA
2-Methylnaphthalene	µg/kg	1.5	1.5	0.0	0.69 *U*	1.3	NA	0.87 *U*	0.52 *U*	NA	0.62 *U*	0.75 *U*	NA	0.91 *J*	1.1	18.9	0.15 *U*	1.7 *J*	NA
PCB Aroclors																			
Aroclor 1260	pg/g	62300 *NJ*	68100 *NJ*	8.9	11400 *NJ*	17400 *NJ*	41.7	3540 *NJ*	3310 *NJ*	6.7	4890 *NJ*	3220 *NJ*	41	49300 *NJ*	59900 *NJ*	19.4	20600 *NJ*	22300 *NJ*	7.9
Aroclor 1254	pg/g	256000 *NJ*	275000 *NJ*	7.2	17600 *NJ*	31600 *NJ*	56.9	10400 *NJ*	11200 *NJ*	7.4	8490 *NJ*	7560 *NJ*	12	304000 *NJ*	368000 *NJ*	19.0	44500 *NJ*	34300 *NJ*	25.9
Aroclor 1221	pg/g	0.876 *U*	0.717 *U*	NA	0.421 *U*	0.882 *U*	NA	0.633 *U*	0.688 *U*	NA	0.262 *U*	0.398 *U*	NA	0.274 *U*	0.412 *U*	NA	1.31 *U*	1.4 *U*	NA
Aroclor 1232	pg/g	0.576 *U*	0.394 *U*	NA	0.206 *U*	0.338 *U*	NA	0.549 *U*	0.721 *U*	NA	0.253 *U*	0.396 *U*	NA	0.374 *U*	0.478 *U*	NA	1.75 *U*	0.704 *U*	NA
Aroclor 1248	pg/g	118 *U*	25.3 *U*	NA	5.17 *U*	3.13 *U*	NA	3.29 *U*	5.44 *U*	NA	3.16 *U*	3.73 *U*	NA	150 *U*	171 *U*	NA	15.4 *U*	6.4 *U*	NA
Aroclor 1016	pg/g	2.15 *U*	2.34 *U*	NA	0.811 *U*	1.7 *U*	NA	1.22 *U*	1.33 *U*	NA	0.505 *U*	0.767 *U*	NA	9.51 *U*	9.9 *U*	NA	2.52 *U*	2.7 *U*	NA
Aroclor 1242	pg/g	52000 *NJ*	71400 *NJ*	31.4	2100 *NJ*	4380 *NJ*	70.4	8850 *NJ*	9430 *NJ*	6.3	10100 *NJ*	9830 *NJ*	3	41600 *NJ*	57400 *NJ*	31.9	3770 *NJ*	2800 *NJ*	29.5
PCB congener homologs																			
Trichlorobiphenyl	pg/g	32400	44300	31.0	1990 *J*	19000 *J*	162.1	3470	3750	7.8	3450	3340	3	24900	34300	31.8	3240	2440 *J*	28.2
Pentachlorobiphenyl	pg/g	174000	185000	6.1	12100 *J*	22900 *J*	61.7	7510	7960	5.8	5890	5340	10	200000	244000	19.8	29100	22500	25.6
Dichlorobiphenyl	pg/g	3800	5100	29.2	1090 *J*	16400 *J*	175.1	3140	3150	0.3	3890	3730	4	2250	2940	26.6	998	602 *J*	49.5
Hexachlorobiphenyl	pg/g	148000	162000	9.0	18700	30900	49.2	8890	8710	2.0	9420	7700	20	155000	187000	18.7	46500	41200	12.1
Tetrachlorobiphenyl	pg/g	81900	106000	25.7	6540 *J*	21200 *J*	105.7	3310	3890	16.1	2470	2120	15	91100	126000	32.2	15300	12800	17.8
Monochlorobiphenyl	pg/g	28.4	36.9	26.0	3.91 *J*	20.4 *J*	135.7	175	159	9.6	228	161	34	24.4	39.1	46.3			NA
Heptachlorobiphenyl	pg/g	34300	36500	6.2	6230 *J*	10600 *J*	51.9	1640	1560	5.0	2800	1540	58	43600	50600	14.9	18400	18400	0.0
Nonachlorobiphenyl	pg/g	471	466	1.1	57.5 *J*	96.2 *J*	50.4	120	114	5.1	136	117	15	1110	1230	10.3	246	233	5.4
Octachlorobiphenyl	pg/g	5100	5600	9.3	833 *J*	1460 *J*	54.7	341	332	2.7	617	326	62	8630	10100	15.7	2960	2990	1.0
PCB congeners																			
2,2'-Dichlorobiphenyl	pg/g	1280	1790	33.2	621 *J*	15500 *J*	184.6	787 *J*	754 *J*	4.3	933	845	10	249	347	32.9	544	255 *J*	72.3
Polychlorinated biphenyls	pg/g	480000	546000	12.9	47700 *J*	123000 *J*	88.2	28700	29700	3.4	29000	24500	17	527000	656000	21.8	117000	101000	14.7
2,2',6,6'-Tetrachlorobiphenyl	pg/g	67.9	76.7	12.2	28.5 *J*	702 *J*	184.4	3.73	4.54	19.6	10.6	10.7	1	69.3	81.9	16.7	192	179	7.0
2,3-Dichlorobiphenyl	pg/g	21.4	32.6	41.5	0.769	0.436 *U*	NA	28.7 *J*	30 *J*	4.4	38.2	36.8	4	9.58	15.8	49.0	2.04 *J*	1.17 *J*	54.2

Table 3-9. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006 Rep 1	LW2-BTFC006 Rep 2	RPD	LW2-BTFC027 Rep 1	LW2-BTFC027 Rep 2	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
2,4',5-Trichlorobiphenyl	pg/g	5190	7020	30.0	145 *J*	268 *J*	59.6	538	569	5.6	473	478	1	4480	6270	33.3	380	303 *J*	22.5
3,3'-Dichlorobiphenyl	pg/g	171	190	10.5	385	470	19.9	276 *J*	281 *J*	1.8	284	309	8	189	182	3.8	223	185 *J*	18.6
4,4'-Dichlorobiphenyl	pg/g	804	1040	25.6	19.1	24.2	23.6	425	386	9.6	395	401	2	876	1070	19.9	56.5	41 *J*	31.8
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	pg/g	62.5	61.3	1.9	23.8	34	35.3	71.9	67.1	6.9	73.2	72.1	2	135	139	2.9	85.2	65.4	26.3
2-Chlorobiphenyl	pg/g	18.5	24.2	26.7	2.47 *J*	18.6 *J*	153.1	126	116 *J*	8.3	163	117	33	13	21.9	51.0			NA
3-Chlorobiphenyl	pg/g	2.59	2.95	13.0	1.44	1.79	21.7	9.14	9.19 *J*	0.5	12	8.55	34	3.23	4.97	42.4			NA
4-Chlorobiphenyl	pg/g	7.27	9.73	28.9	1.42 *U*	1.47 *U*	NA	39.5	34.4 *J*	13.8	53	35.5	40	8.13	12.1	39.2			NA
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	pg/g	831	913	9.4	157 *J*	286 *J*	58.2	79.4	74.8	6.0	103	81.1	24	673	747	10.4	224	194	14.4
2,3'-Dichlorobiphenyl	pg/g	276	397	36.0	19.4 *J*	86.4 *J*	126.7	246 *J*	245 *J*	0.4	329	320	3	122	188	42.6	25	17.9 *J*	33.1
2,3',4,4',5-Pentachlorobiphenyl	pg/g	31300	34000	8.3	2000	2720	30.5	2030	1950	4.0	1900	1790	6	22000	27300	21.5	2540	2020	22.8
2,3',4,4'-Tetrachlorobiphenyl	pg/g	7170	8260	14.1	489	768	44.4	334	393	16.2	231	203	13	7850	11600	38.6	1040	898	14.7
3,3',4,4'-Tetrachlorobiphenyl	pg/g	551	667	19.0	44.7 *J*	67.3	40.4	34.5	37.7	8.9	28.5	24.9	13	727	892	20.4	69.9	61.5	12.8
2,3,3',4,4'-Pentachlorobiphenyl	pg/g	6980	7400	5.8	452	652	36.2	375	392	4.4	308	295	4	7510	9520	23.6	745	613	19.4
3,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	0.529 *U*	0.53 *U*	NA	0.539 *U*	0.54 *U*	NA	0.512 *U*	0.505 *U*	NA	0.537 *U*	0.54 *U*	NA	0.538 *U*	0.542 *U*	NA	10.5 *U*	0.565 *U*	NA
2,3,4,4'-Tetrachlorobiphenyl	pg/g	1280	1510	16.5	80.2	118	38.1	61.8	75.4	19.8	44.2	38.4	14	1760	2130	19.0	151	125	18.8
2,6-Dichlorobiphenyl	pg/g	20.9 *J*	38.4 *J*	59.0	5.99 *J*	175 *J*	186.8	22 *J*	20.9 *J*	5.1	26.9	25	7	15	24.5	48.1	8.23	4.61 *J*	56.4
2,4-Dichlorobiphenyl	pg/g	34.1	46.9	31.6	0.818 *J*	5.6 *J*	149.0	46.4 *J*	43.8 *J*	5.8	65.3	58.6	11	28	43.3	42.9	7.06	3.87 *J*	58.4
3,3',5,5'-Tetrachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	1.46	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	16.7 *U*	2.78	NA
2,2',4,4',6,6'-Hexachlorobiphenyl	pg/g	4.29	4.62	7.4	4.21	19.2 *J*	128.1	0.736	0.643	13.5	1.3	1.13	14	3.62	3.75	3.5	11.8	9.75	19.0
2,5-Dichlorobiphenyl	pg/g	54	72.3	29.0	0.985 *J*	5.98 *J*	143.4	58.2 *J*	56.7 *J*	2.6	77.5	72.7	6	35.6	58	47.9	7.9	4.52 *J*	54.4
3,5-Dichlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *UJ*	0.544 *UJ*	NA	0.578 *U*	0.582 *U*	NA	0.306 *J*	0.428 *J*	33.2	4.57 *U*	0.609 *UJ*	NA
2,4'-Dichlorobiphenyl	pg/g	1040	1370	27.4	31.7 *J*	107 *J*	108.6	1180 *J*	1260 *J*	6.6	1680	1600	5	643	909	34.3	112	77.8 *J*	36.0
2,2',3,3',4,4',5-Heptachlorobiphenyl	pg/g	1300	1400	7.4	178 *J*	304 *J*	52.3	47.2	50.9	7.5	100	37.9	90	3970	4540	13.4	1470	1350	8.5
2,2',5,5'-Tetrachlorobiphenyl	pg/g	11800	16200	31.4	922 *J*	2870 *J*	102.7	492	580	16.4	335	272	21	17900	24800	32.3	2930	2540	14.3
2,2',3,3',5,5'-Hexachlorobiphenyl	pg/g	434	515	17.1	95.6 *J*	270 *J*	95.4	23.2	23.5	1.3	59.2	21.7	93	491	579	16.4	320	317	0.9
2,2',3,4,4',5-Hexachlorobiphenyl	pg/g	693	902	26.2	43	53.9	22.5	60.6	62	2.3	46.7	49.3	5	555	873	44.5	76	86.9	13.4
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	pg/g	165	197	17.7	23.6 *J*	45.7 *J*	63.8	7.66	8.64	12.0	26.6	6.23	124	931	1190	24.4	376	473	22.9
2,2',3,4'-Tetrachlorobiphenyl	pg/g	4150	5810	33.3	306	471	42.5	202	221	9.0	164	148	10	2930	3860	27.4	251	204	20.7
2,2',4-Trichlorobiphenyl	pg/g	2070	3010	37.0	286 *J*	4730 *J*	177.2	277	303	9.0	355	332	7	1020	1640	46.6	417	278 *J*	40.0
2,3',5'-Trichlorobiphenyl	pg/g	20.8	27	25.9	0.995 *J*	2.88 *J*	97.3	1.85	1.67	10.2	1.89	1.74	8	19.4	29.9	42.6	4.57 *J*	3.62 *J*	23.2
3,3',4-Trichlorobiphenyl	pg/g	108	109	0.9	5.77	9.4	47.9	10.5	11.8	11.7	7.02	8.2	16	98.5	105	6.4	10.1	8.75 *J*	14.3
2,2',3,3',4,6'-Hexachlorobiphenyl	pg/g	7280	8280	12.9	659	1080	48.4	274	308	11.7	197	146	30	10800	12000	10.5	2040	1580	25.4
2,2',3,3',6,6'-Hexachlorobiphenyl	pg/g	2660	2610	1.9	391 *J*	897 *J*	78.6	83.9	99.3	16.8	83.1	51.6	47	3860	4430	13.8	1510	1130	28.8
2,2',3,3',4,5,6'-Heptachlorobiphenyl	pg/g	1540	1660	7.5	246	356	36.5	63.7	66.3	4.0	124	43.7	96	3690	4550	20.9	1600	1560	2.5
2,2',6-Trichlorobiphenyl	pg/g	654	819	22.4	327 *J*	9650 *J*	186.9	116	115	0.9	141	119	17	551	657	17.5	724	526 *J*	31.7
2,3',6-Trichlorobiphenyl	pg/g	857	1230	35.7	157 *J*	1840 *J*	168.6	53	61.3	14.5	55.1	52.3	5	330	484	37.8	84.3	64.3 *J*	26.9
2,4',6-Trichlorobiphenyl	pg/g	1200	1700	34.5	62.4 *J*	429 *J*	149.2	161	174	7.8	154	142	8	1340	1850	32.0	154	118 *J*	26.5
2,2',3-Trichlorobiphenyl	pg/g	2140	3280	42.1	138	177	24.8	258	278	7.5	303	287	5	744	1130	41.2	76.7	51.1 *J*	40.1
2,3,4'-Trichlorobiphenyl	pg/g	2670	3240	19.3	118	170	36.1	258	299	14.7	228	219	4	1980	2470	22.0	126	105 *J*	18.2
3,3',5-Trichlorobiphenyl	pg/g	2.18 *J*	0.571 *UJ*	NA	1.94	2.14	9.8	1.77	1.88	6.0	1.32	1.51	13	3.08 *U*	2.21 *U*	NA	3.85 *J*	3.31 *J*	15.1
3,4',5-Trichlorobiphenyl	pg/g	66.2	91	31.6	3.62	6.02	49.8	3.54	4.07	13.9	2.05	2.05	0	0.574 *U*	0.578 *U*	NA	8.35	8.05 *J*	3.7
3,4,4'-Trichlorobiphenyl	pg/g	1620	2060	23.9	53.3	81.9	42.3	93.7	109	15.1	57.1	56.3	1	1860	2290	20.7	96.2	78.5	20.3
2,3,3',4,4',5,5'-Heptachlorobiphenyl	pg/g	44.9	48.4	7.5	5.57 *J*	10.1 *J*	57.8	1.81	1.89	4.3	4.23	1.38	102	178	202	12.6	66.4	59.4	11.1
2,3,3',5,5'-Pentachlorobiphenyl	pg/g	16.4	14.4 *U*	NA	4.68 *UJ*	16.9 *J*	NA	0.618 *U*	0.497 *J*	NA	2.29	0.788	98	15.1 *U*	16.5	NA	20.1	19.5	3.0
3,3',4,5,5'-Pentachlorobiphenyl	pg/g	21.4	24.6	13.9	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	1.72	1.68	2	0.58 *U*	0.584 *U*	NA	3.92 *J*	3.84	2.1
2,3,3',4',5,5'-Hexachlorobiphenyl	pg/g	65.8	84.3	24.7	5.25 *J*	9.41 *J*	56.8	3.77	3.97	5.2	3.24	3.49	7	104	131	23.0	20.2	16.3	21.4
2,3,3',4,5,5'-Hexachlorobiphenyl	pg/g	60.7	81.9	29.7	10.7	15.1	34.1	2.43	2.71	10.9	5.11	1.83	95	151	185	20.2	80.5	74.5	7.7
2,2',3,3',4,5',6-Heptachlorobiphenyl	pg/g	290	300	3.4	41.8	68.6	48.6	8.37	8.25	1.4	12	7.63	45	182	212	15.2	81.4	65	22.4
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	pg/g	400	418	4.4	64.2 *J*	120 *J*	60.6	20.9	18.9	10.1	34.4	20.1	52	368	410	10.8	146	104	33.6
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	pg/g	293	289	1.4	33.9 *J*	58.3 *J*	52.9	64.6	61.9	4.3	76.5	64	18	664 *J*	741 *J*	11.0	148	147	0.7
2,2',3,4,5,6-Hexachlorobiphenyl	pg/g	4.51 *J*	0.571 *UJ*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,3',4,4',5,6-Heptachlorobiphenyl	pg/g	949	1090	13.8	179	283	45.0	58.8	56.6	3.8	84.8	56.2	41	1160	1290	10.6	362	360	0.6
2,3',5,5'-Tetrachlorobiphenyl	pg/g	160	179	11.2	11 *J*	44 *J*	120.0	4.72	5.47	14.7	3.4	2.88	17	188	259	31.8	54.1	58.6	8.0
2,3,3',4'-Tetrachlorobiphenyl	pg/g	3020	3500	14.7	191	272	35.0	130	163	22.5	90.4	78.2	14	4040	5050	22.2	368	325	12.4
2,2',3,6'-Tetrachlorobiphenyl	pg/g	353	464	27.2	16 *J*	55.7 *J*	110.7	25.8	29.6	13.7	12.7	11	14	582	763	26.9	64.8	40.9	45.2
3,3',4,5'-Tetrachlorobiphenyl	pg/g	327	457	33.2	30.5	45.5	39.5	26.1	27	3.4	16.8	15	11	353	403	13.2	43.1	43.4	0.7
2,3,3',5'-Tetrachlorobiphenyl	pg/g	30	49.5	49.1	0.581 *U*	0.582 *U*	NA	1.29	1.31	1.5	0.601	0.582 *U*	NA	44.4	56.4	23.8	8.65	7.7	11.6
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	pg/g	402	441	9.3	60.1 *J*	108 *J*	57.0	18.8	19.9	5.7	51.3	15.7	106	478	593	21.5	189	222	16.1

Table 3-9. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006	LW2-BTFC006	RPD	LW2-BTFC027	LW2-BTFC027	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
		Rep 1	Rep 2		Rep 1	Rep 2													
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
2,2',3,4',5,5'-Hexachlorobiphenyl	pg/g	4560	5250	14.1	755 *J*	1460 *J*	63.7	287	279	2.8	525	251	71	5390	6290	15.4	2360	2410	2.1
2,3,4',6-Tetrachlorobiphenyl	pg/g	3600	4400	20.0	154	234	41.2	160	192	18.2	87	78.1	11	5840	7350	22.9	411	320	24.9
2,2',3,3',6-Pentachlorobiphenyl	pg/g	4930	4730	4.1	225 *J*	379 *J*	51.0	208	240	14.3	56.9	53.8	6	6040	6930	13.7	567	356	45.7
2,2',3,5,5'-Pentachlorobiphenyl	pg/g	5360	5180	3.4	372 *J*	777 *J*	70.5	154	175	12.8	140	96.7	37	5860	8280	34.2	1440	1080	28.6
2,2',3,3',4-Pentachlorobiphenyl	pg/g	1960	1890	3.6	88.4	128	36.6	71.7	88.6	21.1	23.1	21.5	7	2890	3260	12.0	225	169	28.4
2,2',3,3',5,6,6'-Heptachlorobiphenyl	pg/g	2500	2580	3.1	478 *J*	888 *J*	60.0	80.9	90.1	10.8	171	74.1	79	2800	3090	9.8	1260	1070	16.3
2,2',3,3',4,6,6'-Heptachlorobiphenyl	pg/g	783	808	3.1	131	211	46.8	20.1	22.7	12.1	35.4	19.2	59	823	936	12.8	322	293	9.4
2,2',3,3',4,5'-Hexachlorobiphenyl	pg/g	1630	2000	20.4	156	256	48.5	86.2	91.5	6.0	84.8	71.3	17	2140	2520	16.3	396	389	1.8
2,2',3,3',5,5',6-Heptachlorobiphenyl	pg/g	1470	1610	9.1	327 *J*	650 *J*	66.1	67.5	62.7	7.4	148	70.2	71	1330	1460	9.3	702	594	16.7
2,2',3,4',5,5',6-Heptachlorobiphenyl	pg/g	9120	9340	2.4	1620 *J*	3000 *J*	59.7	414	385	7.3	792	422	61	17700	20600	15.1	7650	8010	4.6
2,2',3,3',4,5',6'-Heptachlorobiphenyl	pg/g	3110	3320	6.5	594 *J*	1060 *J*	56.3	140	130	7.4	316	131	83	3560	3840	7.6	1390	1160	18.0
2,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	2220	2310	4.0	256	312	19.7	207	193	7.0	202	192	5	1200	1440	18.2	204	184	10.3
2,2',3,3',4,5,5'-Heptachlorobiphenyl	pg/g	174	184	5.6	22.7 *J*	38.3 *J*	51.1	6.89	7.52	8.7	16.6	5.72	97	679	791	15.2	289	264	9.0
2,2',3,4,4',5,5',6-Octachlorobiphenyl	pg/g	1650	1800	8.7	258 *J*	436 *J*	51.3	124	116	6.7	183	119	42	1770	2040	14.2	545	548	0.5
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	pg/g	128	127	0.8	16.4	25.3	42.7	45.2	42.7	5.7	47.5	42.7	11	261	286	9.1	73.3	63.7	14.0
2,2',3,3',4,4',5,6-Octachlorobiphenyl	pg/g	519	566	8.7	91.6	173	61.5	25.6	26.8	4.6	67.2	23.3	97	701	789	11.8	261	245	6.3
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	pg/g	50.8	50.9	0.2	7.24 *J*	12.6 *J*	54.0	10.2	9.32	9.0	11.6	9.78	17	187 *J*	204 *J*	8.7	24.4	21.8	11.3
2,2',3,4,5,5'-Hexachlorobiphenyl	pg/g	891	1180	27.9	115	163	34.5	68.8	75.9	9.8	37.5	31.9	16	1540	2480	46.8	634	847	28.8
3,4,5-Trichlorobiphenyl	pg/g	12.9	17.3	29.1	0.949	1.18	21.7	0.367 *U*	0.544 *U*	NA	0.287 *J*	0.201 *U*	NA	10.5 *U*	10.9	NA	2.41 *J*	1.21 *J*	66.3
2,3,6-Trichlorobiphenyl	pg/g	44.5 *J*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	6.66	7.44	11.1	8.24	8.33	1	37.9	62.2	48.6	3.14 *J*	1.93 *J*	47.7
2,3',4-Trichlorobiphenyl	pg/g	573	754	27.3	44.1 *J*	220 *J*	133.2	50.8	55.5	8.8	48.2	47.1	2	504	713	34.3	79.5	70.7 *J*	11.7
2,3,5-Trichlorobiphenyl	pg/g	6.5	8.49	26.6	0.581 *U*	0.582 *U*	NA	0.819	0.887	8.0	0.925 *U*	0.834	NA	4.28	6.89	46.7	4.57 *U*	0.609 *UJ*	NA
2,2',4,6,6'-Pentachlorobiphenyl	pg/g	14.5	19.4	28.9	9.78 *J*	74.4 *J*	153.5	0.334 *U*	0.462 *J*	NA	1.36	1.05	26	11.9	14.1	16.9	38.6	33.4	14.4
2,3',4,5',6-Pentachlorobiphenyl	pg/g	10.2	10.7	4.8	9.36 *J*	57 *J*	143.6	0.552 *U*	0.301 *U*	NA	1.62	0.767	71	0.58 *U*	7.78	NA	33.7	24.8	30.4
3,3',4,4',5-Pentachlorobiphenyl	pg/g	38.4	39.3	2.3	3.84	5.67	38.5	3	3	0.0	2.92	3.15	8	51.3	63.6	21.4	9.86 *U*	7.48	NA
2,2',4,5',6-Pentachlorobiphenyl	pg/g	223	250	11.4	93.6 *J*	438 *J*	129.6	6.35	6.66	4.8	16.7	10.1	49	266	331	21.8	412	302	30.8
2,2',3,4,4',5,6'-Heptachlorobiphenyl	pg/g	15.9 *J*	0.571 *UJ*	NA	0.581 *UJ*	8.32 *J*	NA	0.552 *U*	1.56 *U*	NA	5.44	0.936	141	0.58 *U*	0.584 *U*	NA	8.73	18.9	73.6
2,2',3,3',4,6-Hexachlorobiphenyl	pg/g	484	600	21.4	28.2	40.3	35.3	14.1	14.8	4.8	8.14	7.72	5	331	386	15.3	39.4	29.7	28.1
2,3',4,4',5'-Pentachlorobiphenyl	pg/g	473	497	4.9	39.2	42.9	9.0	42.8	40.9	4.5	39.1	36.7	6	445	497	11.0	39.4 *U*	28.8	NA
2,2',3,4',6,6'-Hexachlorobiphenyl	pg/g	42.2	42.1	0.2	26.5 *J*	129 *J*	131.8	1.11	1.32	17.3	9.05	2.17	123	52.9	61.6	15.2	116	99.8	15.0
2,2',3,5,6,6'-Hexachlorobiphenyl	pg/g	26.2	27.8	5.9	7.03 *J*	27 *J*	117.4	0.835	0.896	7.0	1.5	0.739	68	31	36.4	16.0	25.1	15.8	45.5
2,3',4,5,5'-Pentachlorobiphenyl	pg/g	103	98.4	4.6	20.1 *J*	51.1 *J*	87.1	5.59	5.31	5.1	10.7	5.79	60	87.9	98.7	11.6	70.2	70.3	0.1
2,2',3,4,5',6-Hexachlorobiphenyl	pg/g	1260	1260	0.0	136	198	37.1	41.2	43.6	5.7	24.5	24	2	1230	1550	23.0	309	288	7.0
2,2',3,5-Tetrachlorobiphenyl	pg/g	302	445	38.3	12.5 *J*	0.582 *UJ*	NA	13.1	15.3	15.5	8.24	7.53	9	410	605	38.4	31.8	24.4	26.3
2,2',4,5-Tetrachlorobiphenyl	pg/g	1970	2810	35.1	116	188	47.4	85.1	96.4	12.5	68.8	59.6	14	1670	2480	39.0	144	117	20.7
3,3',4,5-Tetrachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
3,4,4',5-Tetrachlorobiphenyl	pg/g	20.5	28.9 *U*	NA	1.53 *U*	2.96 *UJ*	NA	1.06	1.13 *U*	NA	1.45 *U*	1.11 *U*	NA	22.6	30.4	29.4	3.87 *U*	2.46	NA
2,3,3',5-Tetrachlorobiphenyl	pg/g	53.8	66.6	21.3	2.5 *J*	5.51 *J*	75.2	1.51	1.59	5.2	0.907	0.582 *U*	NA	56.6	83.2	38.1	7.31	6.63	9.8
2,3,3',4,5-Pentachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3',4,5'-Tetrachlorobiphenyl	pg/g	90.1	101	11.4	12.2 *J*	58.6 *J*	131.1	3.48	3.78	8.3	3.96	3.55	11	128	171	28.8	61.9	67.4	8.5
2,3',4,5-Tetrachlorobiphenyl	pg/g	366	503	31.5	21.8 *J*	47.1 *J*	73.4	12.5	15.1	18.8	8.47	7.09	18	371	501	29.8	43.1	39.6	8.5
2,2',3,6,6'-Pentachlorobiphenyl	pg/g	106	116	9.0	20.9 *J*	135 *J*	146.4	4.28	4.55	6.1	4.73	3.19	39	149	176	16.6	86.6	49	55.5
2,2',3,5,6'-Pentachlorobiphenyl	pg/g	127	146	13.9	25.3 *J*	151 *J*	142.6	4.11	4.44	7.7	6.94	3.71	61	157	193	20.6	149	94.1	45.2
2,2',3,4,6'-Pentachlorobiphenyl	pg/g	169	165	2.4	9.11	13.8	40.9	6.96	8.5	19.9	2.79	2.31	19	213	248	15.2	21.8	13	50.6
2,3',5',6-Tetrachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	12.1 *J*	120 *J*	163.4	0.552 *U*	0.544 *U*	NA	2.29	1.96	16	0.58 *U*	0.584 *U*	NA	58.7	56.1	4.5
2,3,3',4-Tetrachlorobiphenyl	pg/g	94.6 *J*	0.571 *UJ*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	2.35	2.34	0	167	239	35.5	8.05	16.6	69.4
2,3,4',5-Tetrachlorobiphenyl	pg/g	330	401	19.4	19.8 *J*	34.8 *J*	54.9	13.2	15.5	16.0	10.3	8.41	20	403	554	31.6	56.2	46.9	18.0
2,3,3',4,6-Pentachlorobiphenyl	pg/g	1560	1900	19.7	118 *J*	225 *J*	62.4	71	73.5	3.5	76.5	62	21	1870	2250	18.4	282	247	13.2
2,3,3',5,6-Pentachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,4,4',5-Pentachlorobiphenyl	pg/g	368	397	7.6	26.1	37.8	36.6	19.2	20.2	5.1	18	17.1	5	457	564	21.0	45.5	36.6	21.7
2,2',3,4,6,6'-Hexachlorobiphenyl	pg/g	8.04	7.3	9.6	0.581 *U*	1.07 *U*	NA	0.389 *J*	0.463 *U*	NA	0.193 *U*	0.134 *U*	NA	11.1	12.7	13.4	1.59 *J*	1.08	38.2
2,2',3,4',5,6'-Hexachlorobiphenyl	pg/g	57.9	60.8	4.9	29.2 *J*	127 *J*	125.2	1.68	1.72	2.4	12.1	2.51	131	50.8	57.4	12.2	102	93.5	8.7
2,3,3',4,4',6-Hexachlorobiphenyl	pg/g	2800	3410	19.6	264	387	37.8	147	145	1.4	127	120	6	2640	3250	20.7	496	479	3.5
2,3,3',4,5',6-Hexachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,3',4',5',6-Hexachlorobiphenyl	pg/g	1270	1590	22.4	132	218	49.1	60.4	64.8	7.0	67.6	40.5	50	2480	2990	18.6	640	595	7.3
2,3,3',5,5',6-Hexachlorobiphenyl	pg/g	14.9	18.6	22.1	8.35 *J*	37.8 *J*	127.6	0.413 *U*	0.407 *U*	NA	3.65	0.828	126	0.433 *U*	0.436 *U*	NA	34.8	31.2	10.9
2,2',3,4,4',5,6-Heptachlorobiphenyl	pg/g	43.4	45.8	5.4	4.17	6.88	49.0	3.17	2.83	11.3	3.18	2.74	15	54.2	57.8	6.4	11.9	8.76	30.4
2,2',3,4,4',6,6'-Heptachlorobiphenyl	pg/g	4.88	5.32	8.6	2.31 *J*	4.83 *J*	70.6	0.809	0.717 *U*	NA	1.25	1.15	8	4.95	5.14	3.8	3.47 *U*	3.06	NA

Table 3-9. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006 Rep 1	LW2-BTFC006 Rep 2	RPD	LW2-BTFC027 Rep 1	LW2-BTFC027 Rep 2	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
2,2',3,4,5,6,6'-Heptachlorobiphenyl	pg/g	0.677	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,3',4,4',5',6-Heptachlorobiphenyl	pg/g	157	173	9.7	25	41.5	49.6	7.18	7.07	1.5	11.2	5.45	69	106	136	24.8	44.3	51.7	15.4
2,3,3',4,5,5',6-Heptachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	11.8 *U*	0.609 *U*	NA
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	pg/g	0.656	0.663 *U*	NA	0.171 *U*	0.285 *J*	NA	0.143 *J*	0.135 *J*	5.8	0.226 *U*	0.152 *U*	NA	0.747 *U*	0.954 *U*	NA	0.374 *U*	0.37 *J*	NA
2,3,3',4,4',5,5',6-Octachlorobiphenyl	pg/g	77	82	6.3	13.6 *J*	25.3 *J*	60.2	4.66	4.63	0.6	10.9	4.14	90	104	119	13.5	40.9	35.7	13.6
2,2',3,4',5,6,6'-Heptachlorobiphenyl	pg/g	13.1	15.8	18.7	6.91 *J*	32.5 *J*	129.9	0.791	0.828 *U*	NA	3.03	0.966	103	14.3	15.1	5.4	21.8	19.9	9.1
2,3,3',4',5'-Pentachlorobiphenyl	pg/g	221	240	8.2	13.3	16.6	22.1	10.7	11.9	10.6	5.35	6.11	13	346	432	22.1	27	24.8	8.5
PCB012 & 013	pg/g	102	133	26.4	8.48 *J*	32.1 *J*	116.4	66.7 *J*	64.9 *J*	2.7	66.4	66.5	0	81.2	97.2	17.9	11.4	10.9 *J*	4.5
PCB018 & 030	pg/g	4290	6630	42.9	312 *J*	727 *J*	79.9	525	561	6.6	615	586	5	1850	2990	47.1	229	143 *J*	46.2
PCB020 & 028	pg/g	6820	8790	25.2	211 *J*	358 *J*	51.7	702	749	6.5	616	615	0	6890	8950	26.0	534	409 *J*	26.5
PCB021 & 033	pg/g	2910	3920	29.6	78.4 *J*	169 *J*	73.2	317	347	9.0	297	294	1	2310	3300	35.3	193	167 *J*	14.4
PCB026 & 029	pg/g	1180	1560	27.7	45.7 *J*	134 *J*	98.3	98.9	106	6.9	87.9	86	2	887	1300	37.8	113	94.5 *J*	17.8
PCB040 & 041 & 071	pg/g	4860	6520	29.2	338 *J*	950 *J*	95.0	207	251	19.2	121	106	13	5810	7660	27.5	661	557	17.1
PCB044 & 047 & 065	pg/g	16600	21300	24.8	1410 *J*	4260 *J*	100.5	541	605	11.2	492	428	14	11900	15700	27.5	2680	2300	15.3
PCB045 & 051	pg/g	1570	2180	32.5	221 *J*	2040 *J*	160.9	83.7	94.5	12.1	75.3	64.2	16	1920	2640	31.6	837	625	29.0
PCB049 & 069	pg/g	5530	7360	28.4	534 *J*	2450 *J*	128.4	216	259	18.1	187	157	17	7920	10800	30.8	2090	1760	17.1
PCB050 & 053	pg/g	2110	2860	30.2	652 *J*	3980 *J*	143.7	83.4	91.1	8.8	94	70.9	28	1580	2230	34.1	975	628	43.3
PCB059 & 062 & 075	pg/g	1220	1690	32.3	72.4 *J*	152 *J*	70.9	51	56	9.3	30.2	27.2	10	1220	1630	28.8	121	109	10.4
PCB061 & 070 & 074 & 076	pg/g	14300	18200	24.0	835	1300	43.6	524	659	22.8	343	296	15	15200	23400	42.5	1920	1680	13.3
PCB083 & 099	pg/g	14400	15600	8.0	1110 *J*	2130 *J*	63.0	570	617	7.9	522	442	17	18700	22500	18.4	3430	2710	23.5
PCB085 & 116 & 117	pg/g	3480	3270	6.2	216	350	47.3	168	185	9.6	115	112	3	4780	5600	15.8	533	390	31.0
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	17600	18900	7.1	1080 *J*	1830 *J*	51.5	725	788	8.3	540	503	7	19300	23500	19.6	2130	1580	29.6
PCB088 & 091	pg/g	2860	2930	2.4	322 *J*	1430 *J*	126.5	114	125	9.2	77.9	64	20	4220	5010	17.1	1230	903	30.7
PCB090 & 101 & 113	pg/g	27100	30100	10.5	2010 *J*	3590 *J*	56.4	921	1060	14.0	790	697	13	34600	42800	21.2	5440	4460	19.8
PCB093 & 095 & 098 & 100 & 102	pg/g	26400	27400	3.7	2250 *J*	5060 *J*	76.9	806	826	2.5	539	457	16	29200	36100	21.1	5180	3840	29.7
PCB107 & 124	pg/g	859	937	8.7	43.2	64.1	39.0	38	40.8	7.1	28.3	26.4	7	1090	1290	16.8	103	84.3	20.0
PCB110 & 115	pg/g	27200	29100	6.7	1590	2510	44.9	1160	1300	11.4	655	624	5	40000	46800	15.7	4300	3360	24.5
PCB128 & 166	pg/g	3310	3740	12.2	261	388	39.1	211	208	1.4	156	159	2	4960	5320	7.0	604	479	23.1
PCB129 & 138 & 160 & 163	pg/g	31600	35000	10.2	3360	5140	41.9	2000	1980	1.0	2050	1790	14	35700	44400	21.7	9240	9530	3.1
PCB134 & 143	pg/g	1420	1700	17.9	137 *J*	236 *J*	53.1	58	61.2	5.4	42	28.7	38	1360	1630	18.1	285	238	18.0
PCB135 & 151 & 154	pg/g	10100	10400	2.9	1500 *J*	2960 *J*	65.5	343	375	8.9	492	239	69	14500	17500	18.8	5930	279	182.0
PCB139 & 140	pg/g	453	552	19.7	47.6 *J*	105 *J*	75.2	21.2	21.5	1.4	36.2	15.3	81	552	638	14.5	147	145	1.4
PCB147 & 149	pg/g	23100	24400	5.5	2850 *J*	5300 *J*	60.1	981	982	0.1	976	692	34	32400	39500	19.7	10900	10900	0.0
PCB153 & 168	pg/g	49100	53800	9.1	7300	10800	38.7	3760	3530	6.3	4030	3630	10	29200	34200	15.8	9520	10600	10.7
PCB156 & 157	pg/g	2230	2480	10.6	173	252	37.2	156	154	1.3	142	131	8	3340	4040	19.0	474	402	16.4
PCB171 & 173	pg/g	1650	1720	4.2	257	427	49.7	63.1	60.8	3.7	93.4	57.5	48	1430	1530	6.8	490	395	21.5
PCB180 & 193	pg/g	6970	7680	9.7	1450	2120	37.5	500	464	7.5	663	458	37	2420	3360	32.5	1270	1790	34.0
PCB183 & 185	pg/g	4190	4550	8.2	662	1060	46.2	161	148	8.4	216	148	37	3480	4080	15.9	1380	1320	4.4
PCB197 & 200	pg/g	237	250	5.3	36.2 *J*	63.3 *J*	54.5	9.9	9.48	4.3	22.1	8.56	88	425	480	12.2	143	123	15.0
PCB198 & 199	pg/g	817	933	13.3	129	204	45.0	50.3	53.3	5.8	118	47.2	86	3180	3730	15.9	1040	1050	1.0
Phenols																			
2,4-Dimethylphenol	µg/kg	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	160 *U*	NA
4-Methylphenol	µg/kg	15 *U*	15 *U*	NA	15 *U*	15 *U*	NA	15 *U*	15 *U*	NA	15 *U*	15 *U*	NA	31 *J*	36 *J*	14.9	290	130 *J*	76.2
Phenol	µg/kg	100 *U*	100 *U*	NA	100 *U*	100 *U*	NA	100 *U*	100 *U*	NA	100 *U*	100 *U*	NA	19 *J*	20 *J*	5.1	32 *J*	200 *U*	NA
Pentachlorophenol	µg/kg	-- *R*	-- *R*		-- *R*	-- *R*		31 *U*	31 *U*	NA	*R*	*R*		31 *U*	31 *U*	NA	-- *R*	-- *R*	NA
2-Methylphenol	µg/kg	53 *U*	53 *U*	NA	53 *U*	53 *U*	NA	53 *U*	53 *U*	NA	53 *U*	53 *U*	NA	230	190	19.0	140	110 *U*	NA
Phthalates																			
Bis(2-ethylhexyl) phthalate	µg/kg	500 *U*	500 *U*	NA	500 *U*	500 *U*	NA	130 *J*	100 *J*	26.1	500 *U*	71 *J*	NA	120 *J*	160 *J*	28.6	500 *U*	1000 *U*	NA
Di-n-octyl phthalate	µg/kg	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	13 *U*	NA	13 *U*	26 *U*	NA
Dimethyl phthalate	µg/kg	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	11 *U*	NA
Diethyl phthalate	µg/kg	15 *U*	15 *U*	NA	11 *U*	13 *U*	NA	80 *U*	80 *U*	NA	12 *J*	13 *J*	8	80 *U*	80 *U*	NA	14 *U*	28 *U*	NA
Dibutyl phthalate	µg/kg	16 *U*	16 *U*	NA	16 *U*	16 *U*	NA	180 *U*	180 *U*	NA	16 *U*	16 *U*	NA	16 *U*	16 *U*	NA	280 *U*	110	NA
Butylbenzyl phthalate	µg/kg	14 *U*	14 *U*	NA	14 *U*	14 *U*	NA	14 *U*	14 *U*	NA	14 *U*	14 *U*	NA	14 *U*	14 *U*	NA	14 *U*	28 *U*	NA
SVOCs																			
Benzyl alcohol	µg/kg	16 *J*	18 *J*	11.8	15 *J*	12 *J*	22.2	8.6 *J*	40 *U*	NA	7.3 *J*	6.8 *J*	7	450	460	2.2	3200	4200 *J*	27.0
1,4-Dichlorobenzene	µg/kg	11 *U*	11 *U*	NA	11 *U*	11 *UJ*	NA	11 *U*	11 *U*	NA	11 *UJ*	11 *UJ*	NA	11 *U*	11 *U*	NA	11 *U*	22 *UJ*	NA
Hexachlorobenzene	µg/kg	0.428	0.489	13.3	0.356	0.516	36.7	0.0428 *J*	0.044 *J*	2.8	0.0695 *J*	0.0649 *J*	7	0.527	0.58	9.6	0.985	0.749	27.2
1,2,4-Trichlorobenzene	µg/kg	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	20 *U*	NA

Table 3-9. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006 Rep 1	LW2-BTFC006 Rep 2	RPD	LW2-BTFC027 Rep 1	LW2-BTFC027 Rep 2	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
Dibenzofuran	µg/kg	1.4	1.4	0.0	0.45 *J*	0.55	20.0	0.34 *J*	0.3 *J*	12.5	0.32 *J*	0.39 *J*	20	0.84	1.3	43.0	1.8	0.91 *J*	65.7
1,3-Dichlorobenzene	µg/kg	11 *U*	11 *U*	NA	11 *U*	11 *UJ*	NA	11 *U*	11 *U*	NA	11 *UJ*	11 *UJ*	NA	11 *U*	11 *U*	NA	11 *U*	22 *UJ*	NA
Hexachloroethane	µg/kg	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	17 *U*	NA
N-Nitrosodiphenylamine	µg/kg	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	19 *U*	NA
Hexachlorobutadiene	µg/kg	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	40 *U*	40 *U*	NA	0.00796 *UJ*	0.00757 *UJ*	NA	40 *U*	0.005 *UJ*	NA	40 *U*	17 *U*	NA
1,2-Dichlorobenzene	µg/kg	12 *U*	12 *U*	NA	12 *U*	12 *UJ*	NA	12 *U*	12 *U*	NA	12 *UJ*	12 *UJ*	NA	12 *U*	12 *U*	NA	12 *U*	24 *UJ*	NA

Table 4-1. *Corbicula fluminea* Weights at Test Initiations.

Batch Number	Shell Width (cm)	Whole Clam Weight (g)	Wet Weight of Clam Tissue (g)
Batch 1	2.2	4.53	0.61
	1.8	2.39	0.25
	2.0	3.18	0.40
	1.9	2.84	0.33
	2.4	5.26	0.65
	1.9	2.80	0.34
	2.2	4.13	0.60
	1.9	2.67	0.31
	2.0	2.91	0.43
	2.1	3.30	0.48
	2.1	3.31	0.41
	2.2	4.34	0.55
	1.8	2.31	0.24
	2.0	3.00	0.39
	2.4	4.35	0.58
	2.0	3.00	0.35
	1.9	2.95	0.32
	2.1	3.40	0.45
	2.1	3.49	0.37
	2.1	3.65	0.48
Mean	**2.1**	**3.39**	**0.43**
Batch 2	2.1	3.39	0.41
	2.3	4.42	0.58
	2.1	3.38	0.41
	2.2	3.80	0.46
	2.2	3.91	0.45
	2.1	3.28	0.41
	2.3	4.66	0.58
	2.2	4.34	0.46
	2.3	4.56	0.49
	1.9	2.79	0.33
	2.0	3.24	0.31
	2.1	3.50	0.43
	2.0	3.39	0.40
	1.9	2.90	0.31
	2.1	3.45	0.41
	2.1	3.56	0.50
	2.0	3.34	0.32
	2.1	3.12	0.41
	1.8	2.50	0.24
	2.0	3.25	0.29
Mean	**2.1**	**3.54**	**0.41**

Table 4-2. *Corbicula fluminea* Survival Rates at Test Termination.

Sample ID	Initial Number of Clams	Number Alive Clams at Test Termination	Survival Rate (%)
Batch 1			
Negative Control	177	176	99
LW2-GBT020	177	172	97
LW2-GBT027-1	177	174	98
LW2-GBT027-2	177	177	100
LW2-GBT032	177	175	99
LW2-GBT028	177	175	99
LW2-GBT022	177	175	99
LW2-GBT031	177	175	99
LW2-GBT030	177	176	99
LW2-GBT029	177	173	98
LW2-GBT024	177	176	99
LW2-GBT025	177	176	99
LW2-GBT026	177	177	100
LW2-GBT017	177	176	99
LW2-GBT021	177	177	100
LW2-GBT013	177	176	99
LW2-GBT007	177	176	99
LW2-GBT008	177	173	98
Batch 2			
Negative Control	183	183	100
LW2-GBT009	183	183	100
LW2-GBT011	183	183	100
LW2-GBT004	183	183	100
LW2-GBT003	183	183	100
LW2-GBT006-1	183	183	100
LW2-GBT006-2	183	183	100
LW2-GBT005	183	183	100
LW2-GBT010	183	182	99
LW2-GBT012	183	182	99
LW2-GBT018	183	180	98
LW2-GBT001	183	182	99
LW2-GBT002	183	182	99
LW2-GBT014	183	183	100
LW2-GBT016	183	182	99
LW2-GBT033	183	183	100
LW2-GBT015	183	183	100
LW2-GBT019	183	181	99
LW2-GBT023	183	183	100

Table 4-3. *Lumbriculus variegatus* 4-Day Sediment Toxicity Screening Test.

Sample ID	Initial Number of Worms	Survival Rate at Test Termination (%)
Batch 1		
Negative Control	42[a]	100.0
LW2-GBT020	40	97.5
LW2-GBT027-1	40	100.0
LW2-GBT027-2	40	97.5
LW2-GBT032	40	97.5
LW2-GBT028	40	95.0
LW2-GBT022	40	100.0
LW2-GBT031	42[a]	100.0
LW2-GBT030	40	95.0
LW2-GBT029	40	97.5
LW2-GBT024	40	95.0
LW2-GBT025	40	95.0
LW2-GBT026	40	100.0
LW2-GBT017	40	100.0
LW2-GBT021	40	100.0
LW2-GBT013	40	97.5
LW2-GBT007	40	100.0
LW2-GBT008	40	100.0
Batch 2		
Negative Control	40	100.0
LW2-GBT009	40	100.0
LW2-GBT011	40	100.0
LW2-GBT004	40	100.0
LW2-GBT003	40	100.0
LW2-GBT006-1	40	100.0
LW2-GBT006-2	40	97.5
LW2-GBT005	40	100.0
LW2-GBT010	40	100.0
LW2-GBT012	40	100.0
LW2-GBT018	40	100.0
LW2-GBT001	40	100.0
LW2-GBT002	40	100.0
LW2-GBT014	40	100.0
LW2-GBT016	40	97.5
LW2-GBT033	40	100.0
LW2-GBT015	40	95.0
LW2-GBT019	40	97.5
LW2-GBT023	41[b]	97.5

[a] A total of 4 replicates were inadvertently inoculated with 11 rather than 10 worms.

[b] One replicate was inadvertently inoculated with 11 rather than 10 worms.

Table 4-4. *Lumbriculus variegatus* Weights at Test Initiation and Termination.

Sample ID	Total Initial Weight (g ww)	Total Post-Exposure Weight (g ww)
Batch 1		
Negative Control	99.9	107.8
LW2-GBT020	100.2	39.0
LW2-GBT027-1	99.8	53.3
LW2-GBT027-2	100.3	45.3
LW2-GBT032	100.1	43.6
LW2-GBT028	100.1	54.5
LW2-GBT022	100.1	62.5
LW2-GBT031	100.0	54.7
LW2-GBT030	100.1	38.5
LW2-GBT029	100.0	67.0
LW2-GBT024	100.2	68.9
LW2-GBT025	100.0	62.4
LW2-GBT026	100.1	50.1
LW2-GBT017	100.0	48.1
LW2-GBT021	100.1	59.8
LW2-GBT013	100.1	53.2
LW2-GBT007	100.0	58.7
LW2-GBT008	99.9	86.3
Batch 2		
Negative Control	100.5	91.5
LW2-GBT009	100.3	72.5
LW2-GBT011	100.2	75.6
LW2-GBT004	100.2	74.2
LW2-GBT003	100.4	74.6
LW2-GBT006-1	100.4	73.8
LW2-GBT006-2	100.5	76.1
LW2-GBT005	100.3	79.5
LW2-GBT010	100.2	64.5
LW2-GBT012	100.4	64.7
LW2-GBT018	100.4	76.3
LW2-GBT001	100.4	66.7
LW2-GBT002	100.4	70.0
LW2-GBT014	100.4	63.5
LW2-GBT016	100.4	80.4
LW2-GBT033	100.3	95.6
LW2-GBT015	100.4	62.1
LW2-GBT019	100.3	74.9
LW2-GBT023	100.5	64.0

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
Sediment														
Conventionals														
pH	field	2	2	100	6.79	7.03	6.91	6.79	6.79	6.79	7.03	6.91	6.79	6.79
Sulfide	field	35	28	80	0.4 JT	33.6	6.91	3.2	15.6 J	0.08 U	33.6	5.55	2.5	15.6 J
Ammonia	field	35	35	100	6.9 J	134 JT	65.3	63.8 J	112 J	6.9 J	134 JT	65.3	63.8 J	112 J
Oxidation-Reduction Potential	field	2	2	100	-55.9	227	85.6	-55.9	-55.9	-55.9	227	85.6	-55.9	-55.9
Total organic carbon	field	35	35	100	0.2	6.82	2.2	1.99 T	3.95	0.2	6.82	2.2	1.99 T	3.95
Total solids	field	35	35	100	30	71.6 T	51.6	52.3	68.1	30	71.6 T	51.6	52.3	68.1
Grainsize														
8-9 Phi clay	field	35	35	100	0.25	8.41	2.48	2.21	5.95	0.25	8.41	2.48	2.21	5.95
Coarse sand	field	35	35	100	0.28	27.7	5.74	3.04 T	18.3 T	0.28	27.7	5.74	3.04 T	18.3 T
Coarse silt	field	35	35	100	0.67	40.6	18.3	16.7	37	0.67	40.6	18.3	16.7	37
Fine gravel	field	35	35	100		4.06	0.903	0.35	3.36	0	4.06	0.903	0.35	3.36
Fines	field	35	35	100	3.45 T	93.5 T	49.6	50.8 T	91.1 T	3.45 T	93.5 T	49.6	50.8 T	91.1 T
Fine sand	field	35	35	100	1.48	39.2	14.2	12.2	34.5	1.48	39.2	14.2	12.2	34.5
Fine silt	field	35	35	100	0.61	18.2	7.39	6.58	15.2 T	0.61	18.2	7.39	6.58	15.2 T
>9 Phi clay	field	35	35	100	0.66	8.77	4.28	3.98	7.6	0.66	8.77	4.28	3.98	7.6
Medium gravel	field	35	35	100		8.96	0.628	0.12	2.66	0	8.96	0.628	0.12	2.66
Medium sand	field	35	35	100	0.78	50.7 T	14.7	10.5	42.9	0.78	50.7 T	14.7	10.5	42.9
Medium silt	field	35	35	100	0.74	25.9 T	12.4	10.7	24.4	0.74	25.9 T	12.4	10.7	24.4
Very coarse sand	field	35	35	100	0.14	8.55	1.51	1.06	5.01	0.14	8.55	1.51	1.06	5.01
Very fine sand	field	35	35	100	1.4 T	38.3	12.5	8.75	29.2	1.4 T	38.3	12.5	8.75	29.2
Very fine silt	field	35	35	100	0.52	17.6	4.75	3.84	9.11	0.52	17.6	4.75	3.84	9.11
Metals														
Chromium hexavalent	field	35	23	65.71429	0.2 J	2.1 J	0.791	0.5 J	1.5 J	0.1 UJ	2.1 J	0.58	0.4 J	1.5 J
Aluminum	field	35	35	100	9570	35600	23100	24500	34600	9570	35600	23100	24500	34600
Lead	field	35	35	100	6.51 J	87.5	26.6	18.8	81 J	6.51 J	87.5	26.6	18.8	81 J
Manganese	field	9	9	100	440	885	617	593	711	440	885	617	593	711
Mercury	field	35	35	100	0.017 JT	0.313 J	0.103	0.08 J	0.212	0.017 JT	0.313 J	0.103	0.08 J	0.212
Nickel	field	35	35	100	14.7	39.5	24	22.7 J	29.9	14.7	39.5	24	22.7 J	29.9
Silver	field	35	34	97.14286	0.052 J	0.646 T	0.244	0.206 J	0.481 J	0.052 J	0.646 T	0.239	0.206 J	0.481 J
Thallium	field	9	9	100	0.084	0.15	0.109	0.101	0.124	0.084	0.15	0.109	0.101	0.124
Antimony	field	35	35	100	0.06 J	0.88 J	0.261	0.17 J	0.81 J	0.06 J	0.88 J	0.261	0.17 J	0.81 J
Arsenic	field	35	35	100	2.67	8.59	4.33	3.86	6.7	2.67	8.59	4.33	3.86	6.7
Barium	field	9	9	100	125	198	161	154	187	125	198	161	154	187
Beryllium	field	9	9	100	0.455 J	0.874 J	0.605	0.58 J	0.675 J	0.455 J	0.874 J	0.605	0.58 J	0.675 J
Cadmium	field	35	35	100	0.076	2.05	0.366	0.277	0.729	0.076	2.05	0.366	0.277	0.729
Chromium	field	35	35	100	15.1 J	91	34.9	32.8	46.7	15.1 J	91	34.9	32.8	46.7
Copper	field	35	35	100	13.5	235	47.8	36.8	110	13.5	235	47.8	36.8	110
Zinc	field	35	35	100	71.4	624	167	130	301	71.4	624	167	130	301
Selenium	field	35	0	0						0.03 U	0.29 U	0.151	0.15 U	0.2 U
Butyltins														
Dibutyltin ion	field	35	32	91.42857	0.83 J	180	17.1	3.6	70	0.47 U	180	16.6	3.6	70
Tetrabutyltin	field	35	17	48.57143	0.3 J	26	3.16	0.94 J	7.8	0.096 U	26	1.65	0.3 J	6.7
Tributyltin ion	field	35	31	88.57143	1.7	1600	118	11	170	1 U	1600	105	10	170
Butyltin ion	field	35	33	94.28571	0.093 J	17 J	1.75	0.65 J	7.7	0.093 J	17 J	1.87	0.65 J	7.7
VOCs														
Ethylbenzene	field	35	0	0						0.095 U	0.24 U	0.149	0.14 U	0.21 U
Styrene	field	35	0	0						0.099 U	0.27 U	0.155	0.15 U	0.21 U
cis-1,3-Dichloropropene	field	35	0	0						0.042 U	0.11 U	0.0634	0.06 U	0.088 U
trans-1,3-Dichloropropene	field	35	0	0						0.059 U	0.15 U	0.0911	0.085 U	0.13 U
Ethylene dibromide	field	35	0	0						0.068 U	0.17 U	0.106	0.098 U	0.15 U
1,2-Dichloroethane	field	35	0	0						0.042 U	0.11 U	0.0634	0.06 U	0.088 U

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Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
Acrylonitrile	field	35	0	0						0.31 U	0.77 U	0.471	0.44 U	0.65 U
Methyl isobutyl ketone	field	35	0	0						0.32 U	0.8 U	0.49	0.46 U	0.68 U
Toluene	field	35	1	2.857143	1.1	1.1	1.1	1.1	1.1	0.2 U	1.1 U	0.354	0.29 U	0.5 U
Chlorobenzene	field	35	0	0						0.093 U	0.24 U	0.147	0.14 U	0.2 U
1,4-Dichloro-trans-2-butene	field	35	0	0						0.68 U	1.7 U	1.06	0.98 UJ	1.5 U
2-Chloroethyl vinyl ether	field	35	0	0						0.2 U	0.5 U	0.309	0.29 UJ	0.43 UJ
Chlorodibromomethane	field	35	0	0						0.091 U	0.23 U	0.142	0.14 U	0.2 U
Tetrachloroethene	field	35	1	2.857143	0.22 J	0.22 J	0.22	0.22 J	0.22 J	0.13 U	0.32 U	0.201	0.19 U	0.28 U
Xylene	field	35	1	2.857143	1.09 JT	1.09 JT	1.09	1.09 JT	1.09 JT	0.18 UT	1.09 JT	0.289	0.25 UT	0.38 UT
cis-1,2-Dichloroethene	field	35	0	0						0.083 U	0.21 U	0.13	0.12 U	0.18 U
trans-1,2-Dichloroethene	field	35	0	0						0.26 U	0.64 U	0.39	0.37 U	0.54 U
Methyl tert-butyl ether	field	35	0	0						0.052 U	0.13 U	0.0803	0.075 U	0.12 U
m,p-Xylene	field	35	1	2.857143	0.7 J	0.7 J	0.7	0.7 J	0.7 J	0.18 U	0.7 J	0.278	0.25 U	0.38 U
Carbon tetrachloride	field	35	0	0						0.14 U	0.33 U	0.205	0.19 U	0.28 U
Methyl n-butyl ketone	field	29	0	0						0.85 U	2.2 U	1.35	1.3 U	1.9 U
1,1,1,2-Tetrachloroethane	field	35	1	2.857143	0.29 J	0.29 J	0.29	0.29 J	0.29 J	0.042 U	0.29 J	0.0695	0.06 U	0.091 U
Acetone	field	29	5	17.24138	3.4 J	160	36.5	6.6 JT	6.9 J	2.5 U	160	14.3	5.5 J	26 U
Chloroform	field	35	1	2.857143	0.19 J	0.19 J	0.19	0.19 J	0.19 J	0.075 U	0.19 J	0.119	0.11 U	0.17 U
Benzene	field	35	3	8.571429	0.17 J	1	0.463	0.22 J	0.22 J	0.052 U	1	0.113	0.075 U	0.17 J
1,1,1-Trichloroethane	field	35	0	0						0.079 U	0.2 U	0.123	0.12 U	0.17 U
Bromomethane	field	35	0	0						0.5 U	1.3 U	0.761	0.71 U	1.1 U
Chloromethane	field	35	0	0						0.26 U	0.64 U	0.39	0.37 U	0.54 U
Methyl iodide	field	35	0	0						0.89 UJ	2.3 UJ	1.4	1.3 U	1.9 UJ
Methylene bromide	field	35	0	0						0.11 U	0.28 U	0.171	0.16 U	0.24 U
Bromochloromethane	field	35	0	0						0.08 U	0.2 U	0.125	0.12 U	0.17 U
Chloroethane	field	35	0	0						0.38 U	0.94 U	0.574	0.54 U	0.8 U
Vinyl chloride	field	35	0	0						0.12 U	0.29 U	0.177	0.17 U	0.25 U
Methylene chloride	field	35	1	2.857143	1.3 J	1.3 J	1.3	1.3 J	1.3 J	0.41 U	2.5 U	0.823	0.67 U	1.5 U
Carbon disulfide	field	35	1	2.857143	0.86 J	0.86 J	0.86	0.86 J	0.86 J	0.18 U	0.86 J	0.282	0.25 U	0.38 U
Bromoform	field	35	0	0						0.062 U	0.16 U	0.095	0.088 U	0.13 U
Bromodichloromethane	field	35	0	0						0.091 U	0.23 U	0.142	0.14 U	0.2 U
1,1-Dichloroethane	field	35	0	0						0.076 U	0.19 U	0.119	0.11 U	0.17 U
1,1-Dichloroethene	field	35	0	0						0.11 U	0.28 U	0.171	0.16 U	0.24 U
Trichlorofluoromethane	field	35	0	0						0.11 U	0.27 U	0.169	0.16 U	0.23 U
Dichlorodifluoromethane	field	35	31	88.57143	0.32 J	29	6.16	4.1	17	0.21 U	29	5.48	3.1	17
1,2-Dichloropropane	field	35	0	0						0.047 U	0.12 U	0.0717	0.067 U	0.099 U
Methylethyl ketone	field	2	1	50	2.4 J	2.4 J	2.4	2.4 J	2.4 J	2.4 J	19 UJ	10.7	2.4 J	2.4 J
1,1,2-Trichloroethane	field	35	0	0						0.079 U	0.2 U	0.123	0.12 U	0.17 U
Trichloroethene	field	35	0	0						0.083 U	0.21 U	0.13	0.12 U	0.18 U
1,1,2,2-Tetrachloroethane	field	35	0	0						0.13 U	0.32 U	0.199	0.19 U	0.28 U
o-Xylene	field	35	1	2.857143	0.39 J	0.39 J	0.39	0.39 J	0.39 J	0.1 U	0.39 J	0.162	0.15 U	0.22 U
1,2,3-Trichloropropane	field	35	0	0						0.15 U	0.37 U	0.229	0.22 U	0.32 U
Isopropylbenzene	field	35	2	5.714286	0.37 J	0.45 J	0.41	0.37 J	0.37 J	0.059 U	0.45 J	0.109	0.085 U	0.15 U
BTEX	field	35	5	14.28571	0.17 JT	1.1 T	0.716	1 T	1.09 JT	0.17 JT	1.1 T	0.364	0.29 UT	1 T
PAHs														
Anthracene	field	35	35	100	2.8	860	74.8	15	150	2.8	860	74.8	15	150
Pyrene	field	35	35	100	25	4900	542	150	2100	25	4900	542	150	2100
Polycyclic Aromatic Hydrocarbons	field	35	35	100	170 JT	31000 T	3510	807 T	14200 T	170 JT	31000 T	3510	807 T	14200 T
Benzo(g,h,i)perylene	field	35	35	100	10	2800	286	43	1300	10	2800	286	43	1300
Indeno(1,2,3-cd)pyrene	field	35	35	100	12	2500	275	43	1300	12	2500	275	43	1300
Benzo(b)fluoranthene	field	35	35	100	15	1900	248	59	1200	15	1900	248	59	1200
Fluoranthene	field	35	35	100	27	4600	478	150	1800	27	4600	478	150	1800
Benzo(k)fluoranthene	field	35	35	100	11	1600	204	47	1000	11	1600	204	47	1000
Acenaphthylene	field	35	35	100	0.8 J	180	20.9	3.7	92	0.8 J	180	20.9	3.7	92

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
Chrysene	field	35	35	100	17	2100	305	88	1500	17	2100	305	88	1500
Benzo(a)pyrene	field	35	35	100	16	3300	356	48	1700	16	3300	356	48	1700
Dibenzo(a,h)anthracene	field	35	35	100	1.4 J	300	39.4	7.7	190	1.4 J	300	39.4	7.7	190
Benzo(a)anthracene	field	35	35	100	13	2400	266	47	1100	13	2400	266	47	1100
Acenaphthene	field	35	35	100	1.4 J	410	54.5	6.2	360	1.4 J	410	54.5	6.2	360
Phenanthrene	field	35	35	100	13	2500	249	49	1500	13	2500	249	49	1500
Fluorene	field	35	34	97.14286	1.9	250	37.7	6	180	1.3 U	250	36.6	6	180
Naphthalene	field	35	23	65.71429	3.1	540	80.9	16	220	0.47 U	540	53.6	7.4	220
2-Methylnaphthalene	field	35	34	97.14286	0.96 J	190	21.6	4.8	93	0.96 J	190	21	4.8	93
High Molecular Weight PAH	field	35	35	100	148 JT	26400 T	3000	700 T	13300 T	148 JT	26400 T	3000	700 T	13300 T
Low Molecular Weight PAH	field	35	35	100	22.1 JT	4590 T	509	110 JT	2360 T	22.1 JT	4590 T	509	110 JT	2360 T
SVOCs														
4-Nitroaniline	field	35	0	0						4.7 U	75 U	16.3	6.8 UT	46 U
Benzyl alcohol	field	35	1	2.857143	7.3 J	7.3 J	7.3	7.3 J	7.3 J	5.1 U	82 U	17.8	7.4 UT	50 U
4-Bromophenyl phenyl ether	field	35	0	0						2 U	31 U	6.78	2.8 U	19 U
Azobenzene	field	35	0	0						3.3 U	53 U	11.6	4.8 UT	33 U
1,4-Dichlorobenzene	field	35	1	2.857143	300 J	300 J	300	300 J	300 J	0.16 U	300 J	8.81	0.23 U	0.35 U
4-Chloroaniline	field	35	0	0						2.9 U	47 U	10.1	4.2 UT	29 U
Bis(2-chloroethyl) ether	field	35	0	0						3.3 U	53 U	11.6	4.8 UT	33 U
Bis(2-chloroethoxy) methane	field	35	0	0						1.8 U	29 U	6.31	2.6 U	18 U
Hexachlorobenzene	field	35	35	100	0.0122 J	3.97	0.398	0.187 J	1.22	0.0122 J	3.97	0.398	0.187 J	1.22
1,2,4-Trichlorobenzene	field	35	0	0						0.48 U	1.2 U	0.737	0.69 U	1.1 U
2,4-Dinitrotoluene	field	35	0	0						3.9 U	62 U	13.4	5.6 UT	38 U
Dibenzofuran	field	35	35	100	0.37 J	57	9.99	2.8	36	0.37 J	57	9.99	2.8	36
Bis(2-chloroisopropyl) ether	field	35	0	0						1.7 U	27 U	5.87	2.4 U	17 U
1,3-Dichlorobenzene	field	35	1	2.857143	38 J	38 J	38	38 J	38 J	0.15 U	38 J	1.31	0.22 U	0.33 U
2,6-Dinitrotoluene	field	35	0	0						3.9 U	62 U	13.4	5.6 UT	38 U
N-Nitrosodipropylamine	field	35	0	0						4.4 U	71 U	15.3	6.4 UT	44 U
Aniline	field	19	0	0						2.1 U	34 U	7.81	3.3 U	33 U
N-Nitrosodimethylamine	field	35	0	0						8.4 U	140 U	29.7	13 U	83 U
Benzoic acid	field	29	0	0						140 U	2200 U	454	190 U	1300 U
Hexachloroethane	field	35	18	51.42857	0.29 J	4.2 J	0.887	0.605 JT	2.2 J	0.077 UJ	4.2 J	0.942	0.67 J	2.2 J
4-Chlorophenyl phenyl ether	field	35	0	0						2.8 U	45 U	9.63	4 UT	27 U
Hexachlorocyclopentadiene	field	35	0	0						21 U	340 U	72.8	30 U	210 U
Isophorone	field	35	0	0						2.2 U	36 U	7.73	3.2 U	22 U
N-Nitrosodiphenylamine	field	35	1	2.857143	23 J	23 J	23	23 J	23 J	3.1 U	49 U	10.7	4.4 UT	30 U
Carbazole	field	35	25	71.42857	1.9 J	130	26.4	6.6 J	99	1.9 J	130	20.8	4.8 J	99
Hexachlorobutadiene	field	35	6	17.14286	0.114 JT	35 J	6.25	0.126 J	1.74 J	0.00175 UJ	35 J	1.15	0.0279 UJ	0.46 U
2-Nitroaniline	field	35	0	0						3.7 U	60 U	13	5.4 UT	37 U
2-Chloronaphthalene	field	35	0	0						5 U	80 U	17.3	7.2 UT	49 U
3,3'-Dichlorobenzidine	field	31	0	0						5.1 U	82 U	18.2	7.4 UT	50 U
1,2-Dichlorobenzene	field	35	2	5.714286	0.16 J	610 J	305	0.16 J	0.16 J	0.1 U	610 J	17.6	0.15 U	0.22 U
Nitrobenzene	field	35	0	0						2.8 U	45 U	9.63	4 UT	27 U
3-Nitroaniline	field	35	0	0						3.6 U	58 U	12.5	5.2 UT	36 U
Phthalates														
Bis(2-ethylhexyl) phthalate	field	35	21	60	7 J	1600 J	267	88	960	7 J	1600 J	182	74 J	960
Di-n-octyl phthalate	field	35	0	0						1.7 U	27 U	5.87	2.4 U	17 U
Dimethyl phthalate	field	35	1	2.857143	5.5 J	5.5 J	5.5	5.5 J	5.5 J	2.5 U	40 U	8.7	3.6 U	25 U
Diethyl phthalate	field	35	1	2.857143	18	18	18	18	18	4.8 U	78 U	17.1	7.5 U	48 U
Dibutyl phthalate	field	35	15	42.85714	4 J	180 J	23	8 J	41 J	4 J	180 J	20	8 J	56 U
Butylbenzyl phthalate	field	35	18	51.42857	4.9 J	92	26.6	11 J	76	2.2 U	92	18.1	8.8 J	64 J
Phenols														
4-Nitrophenol	field	35	0	0						0.31 U	0.58 UJ	0.394	0.38 UJ	0.5 UJ

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Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

	Field/		N	%	Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Lab	N	Detected	Detected	Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
2,4-Dimethylphenol	field	31	0	0						7.6 U	130 U	25.1	11 U	74 U
4-Methylphenol	field	35	13	37.14286	6.2 J	110	23.9	11 J	55	4 U	110	19.2	7.4 J	63 U
Phenol	field	35	23	65.71429	3.5 J	36 J	15.4	12 J	27 J	2.8 U	42 U	16	13 J	36 J
2,4-Dichlorophenol	field	35	1	2.857143	36 J	36 J	36	36 J	36 J	2.5 U	40 U	9.2	3.6 U	36 J
2,3,4,5-Tetrachlorophenol	field	35	2	5.714286	1.3 J	2.6 J	1.95	1.3 J	1.3 J	0.63 U	43 U	5.62	2.4 U	13 U
2,4-Dinitrophenol	field	35	0	0						50 U	800 U	173	72 UT	490 U
4,6-Dinitro-2-methylphenol	field	35	0	0						2.4 U	38 U	8.19	3.4 U	23 U
4-Chloro-3-methylphenol	field	35	0	0						2.9 U	47 U	10.1	4.2 UT	29 U
Pentachlorophenol	field	35	19	54.28571	1.1 J	22	5.92	3.3 NJ	18	0.6 UJ	22	3.56	1.3 JT	14 J
2,4,6-Trichlorophenol	field	35	1	2.857143	30 J	30 J	30	30 J	30 J	0.35 U	30 J	1.86	0.59 U	5 UT
2-Nitrophenol	field	35	0	0						3.6 U	58 U	12.5	5.2 UT	36 U
2,3,5,6-Tetrachlorophenol	field	35	2	5.714286	1.6 J	7 J	4.3	1.6 J	1.6 J	0.58 U	8.4 UT	1.88	0.84 U	7 J
2-Methylphenol	field	35	0	0						4.7 U	75 U	16.3	6.8 UT	46 U
2-Chlorophenol	field	35	0	0						2.4 U	38 U	8.19	3.4 U	23 U
2,4,5-Trichlorophenol	field	35	3	8.571429	5 NJ	6.1 J	5.47	5.3 J	5.3 J	0.79 U	48 U	6.01	3.7 U	14 U
Herbicides														
Dichloroprop	field	35	0	0						0.42 U	0.78 UJ	0.531	0.51 U	0.67 UJ
Dicamba	field	35	0	0						0.82 U	1.5 UJ	1.04	1 U	1.3 UJ
Dalapon	field	35	0	0						0.23 U	0.43 UJ	0.293	0.28 U	0.37 UJ
Dinoseb	field	35	0	0						0.53 U	0.98 UJ	0.671	0.64 U	0.85 UJ
MCPP	field	35	0	0						0.51 U	0.95 UJ	0.646	0.62 UJ	0.82 UJ
Silvex	field	35	0	0						0.38 U	0.71 UJ	0.485	0.47 UJ	0.62 UJ
2,4,5-T	field	35	0	0						0.38 U	0.71 UJ	0.485	0.47 UJ	0.62 UJ
MCPA	field	35	0	0						0.56 U	1 UJ	0.706	0.68 UJ	0.9 UJ
2,4-D	field	35	0	0						0.26 U	0.49 UJ	0.332	0.32 U	0.42 UJ
2,4-DB	field	35	0	0						0.39 U	0.72 UJ	0.49	0.47 U	0.62 UJ
Pesticides														
Heptachlor epoxide	field	35	29	82.85714	0.00161 JT	0.0266 J	0.00802	0.00649 JT	0.0183 J	0.00161 JT	0.0266 J	0.00767	0.00612 J	0.0183 J
Endosulfan sulfate	field	35	31	88.57143	0.00837 J	0.328	0.104	0.097 J	0.207	0.00837 J	0.328	0.0985	0.0935 J	0.207
Mirex	field	35	8	22.85714	0.095 J	4 J	1.05	0.17 JT	3.2 NJ	0.088 U	9.7 U	1.03	0.37 U	3.4 U
Oxychlordane	field	35	1	2.857143	0.00484 JT	0.00484 JT	0.00484	0.00484 JT	0.00484 JT	0.00195 UT	0.485 U	0.0657	0.0601 UT	0.2 U
Aldrin	field	35	33	94.28571	0.00333 J	11.4	0.407	0.0625 J	0.117 J	0.00333 J	11.4	0.387	0.0625 J	0.117 J
alpha-Hexachlorocyclohexane	field	35	21	60	0.00238 J	0.306 J	0.03	0.00895 JT	0.0422 J	0.00139 U	0.956 U	0.0821	0.00968 JT	0.306 J
beta-Hexachlorocyclohexane	field	35	15	42.85714	0.00138 J	0.109 J	0.0284	0.0142 J	0.0932 J	0.00112 U	0.377 U	0.07	0.0472 U	0.321 U
delta-Hexachlorocyclohexane	field	35	16	45.71429	0.0018 JT	0.153 J	0.0205	0.00902 J	0.0363 J	0.000979 UT	0.153 J	0.0129	0.00282 J	0.0363 J
beta-Endosulfan	field	35	20	57.14286	0.0303 J	0.241	0.0628	0.0453 J	0.127 J	0.015 U	0.241	0.0576	0.0458 U	0.101 J
2,4'-DDE	field	35	35	100	0.00495 J	4.57	0.398	0.0777 J	2.84	0.00495 J	4.57	0.398	0.0777 J	2.84
trans-Nonachlor	field	35	35	100	0.0103 J	4.17	0.329	0.164 JT	0.746	0.0103 J	4.17	0.329	0.164 JT	0.746
4,4'-DDT	field	35	35	100	0.0613 J	623	28.3	0.566	124	0.0613 J	623	28.3	0.566	124
cis-Chlordane	field	35	35	100	0.00955 J	9.09	0.52	0.177 J	0.907	0.00955 J	9.09	0.52	0.177 J	0.907
cis-Nonachlor	field	35	35	100	0.00457 J	1.07	0.124	0.0774 J	0.248 J	0.00457 J	1.07	0.124	0.0774 J	0.248 J
trans-Chlordane	field	35	35	100	0.0105 J	12.8	0.662	0.204 J	1.14	0.0105 J	12.8	0.662	0.204 J	1.14
2,4'-DDD	field	35	34	97.14286	0.0322 J	64.8	5.02	0.592 T	9.71	0.0322 J	64.8	4.88	0.592 T	9.71
Endrin ketone	field	35	7	20	0.00547 J	0.0227 J	0.011	0.0073 J	0.0195 J	0.00208 UT	0.226 U	0.101	0.114 U	0.221 U
Chlordane (cis & trans)	field	35	35	100	0.0201 JT	21.9 T	1.18	0.373 JT	1.96 T	0.0201 JT	21.9 T	1.18	0.373 JT	1.96 T
gamma-Hexachlorocyclohexane	field	35	20	57.14286	0.0031 J	0.272 J	0.0353	0.0107 JT	0.146 J	0.0031 J	0.272 J	0.0337	0.0138 J	0.129 U
Dieldrin	field	35	35	100	0.00834 J	9.17	0.383	0.0936 J	0.36	0.00834 J	9.17	0.383	0.0936 J	0.36
Endrin	field	35	4	11.42857	0.00198 JT	0.0487 J	0.0219	0.00984 J	0.027 J	0.00198 JT	0.0487 J	0.0209	0.0185 UT	0.0354 U
Methoxychlor	field	35	1	2.857143	0.191	0.191	0.191	0.191	0.191	0.0226 U	0.6 U	0.0792	0.042 U	0.191
4,4'-DDD	field	35	35	100	0.13 J	237	17.4	2.83	36.5	0.13 J	237	17.4	2.83	36.5
4,4'-DDE	field	35	35	100	0.108 J	47.1	4.68	2.06	18.2	0.108 J	47.1	4.68	2.06	18.2
Endrin aldehyde	field	35	0	0						0.159 U	0.369 U	0.211	0.191 U	0.361 U
Heptachlor	field	35	6	17.14286	0.00264 J	0.0382 J	0.0118	0.00426 J	0.0127 J	0.00141 U	0.0705 U	0.0162	0.0183 U	0.0382 J
2,4'-DDT	field	35	34	97.14286	0.0157 J	17.3	0.963	0.107 JT	1.38	0.0157 J	17.3	0.936	0.107 JT	1.38

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
Toxaphene	field	35	0	0						8.3 U	790 U	137	59 U	510 U
alpha-Endosulfan	field	35	8	22.85714	0.0183 JT	0.24	0.072	0.0418 J	0.089 J	0.0117 UT	0.24	0.0368	0.0268 UT	0.0646 J
Total of 4,4'-DDD, -DDE, -DDT	field	35	35	100	0.299 JT	878 T	50.4	5.17 T	148 T	0.299 JT	878 T	50.4	5.17 T	148 T
Total Chlordanes	field	35	35	100	0.0349 JT	27.1 T	1.63	0.626 JT	2.99 JT	0.0349 JT	27.1 T	1.63	0.626 JT	2.99 JT
Dioxins Furans														
2,3,7,8-Tetrachlorodibenzo-p-dioxin	field	35	7	20	0.072 J	7.546	1.83	0.226 J	4.146	0.008 U	7.546	0.384	0.023 U	0.462
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	field	35	31	88.57143	0.069 J	7.716	0.881	0.47 J	1.938	0.015 U	7.716	0.789	0.407 J	1.938
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	field	35	35	100	2.173	502.53	60	24.914	183.748	2.173	502.53	60	24.914	183.748
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	field	35	27	77.14286	0.027 J	2.165 J	0.34	0.154 J	0.928 J	0.014 U	2.165 J	0.285	0.123 J	0.928 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	field	35	21	60	0.053 J	14.894	0.958	0.138 J	1.017 J	0.011 U	14.894	0.598	0.096 J	1.017 J
2,3,7,8-Tetrachlorodibenzofuran	field	35	18	51.42857	0.138 J	109.801	9.1	0.534	36.786	0.017 U	109.801	4.76	0.256 J	6.685
1,2,3,4,7,8,9-Heptachlorodibenzofuran	field	35	30	85.71429	0.062 J	121.258	5.33	0.537 J	6.03	0.016 U	121.258	4.57	0.345 J	6.03
2,3,4,7,8-Pentachlorodibenzofuran	field	35	28	80	0.069 J	108.595	5.19	0.365 J	8.333	0.006 U	108.595	4.16	0.258 J	8.333
1,2,3,7,8-Pentachlorodibenzofuran	field	35	25	71.42857	0.04 J	433.327	19.2	0.503 J	16.052	0.006 U	433.327	13.8	0.175 J	16.052
1,2,3,6,7,8-Hexachlorodibenzofuran	field	35	34	97.14286	0.04 J	325.716	10.7	0.355 J	4.917	0.04 J	325.716	10.4	0.355 J	4.917
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	field	35	33	94.28571	0.144 J	18.453	2.49	0.976 J	5.739	0.087 U	18.453	2.37	0.889 J	5.739
2,3,4,6,7,8-Hexachlorodibenzofuran	field	35	33	94.28571	0.041 J	30.541	1.69	0.268 J	3.447	0.041 J	30.541	1.6	0.267	3.447
1,2,3,4,6,7,8-Heptachlorodibenzofuran	field	35	31	88.57143	1.3 JT	346.625	25.8	6.08	80.786	0.565 U	346.625	22.9	4.134	80.786
1,2,3,4,7,8-Hexachlorodibenzofuran	field	35	30	85.71429	0.067 J	1182.167	44.6	1.18 J	36.248	0.067 J	1182.167	38.3	1.019 J	36.248
1,2,3,7,8,9-Hexachlorodibenzofuran	field	35	15	42.85714	0.019 J	15.672	1.35	0.118 J	2.957	0.009 U	15.672	0.6	0.038 U	0.419 J
Dioxin Furan Homolog														
Tetrachlorodibenzofuran homologs	field	35	34	97.14286	0.077	369.56	20.4	1.548	24.224	0.077	369.56	19.9	1.548	24.224
Pentachlorodibenzofuran homologs	field	35	35	100	0.372	864.359	39.4	4.73	70.625	0.372	864.359	39.4	4.73	70.625
Octachlorodibenzo-p-dioxin	field	35	35	100	18.149	5954.005 J	589	204 T	2042.325 J	18.149	5954.005 J	589	204 T	2042.325 J
Hexachlorodibenzo-p-dioxin homologs	field	35	35	100	0.391	105.329	13.7	8.487	26.618	0.391	105.329	13.7	8.487	26.618
Pentachlorodibenzo-p-dioxin homologs	field	35	31	88.57143	0.069	25.377	2.03	0.628	3.752	0.011 U	25.377	1.8	0.546	3.752
Heptachlorodibenzo-p-dioxin homologs	field	35	35	100	4.903	1053.702	139	58.4 T	447.668	4.903	1053.702	139	58.4 T	447.668
Heptachlorodibenzofuran homologs	field	35	35	100	1.666	562.068	69.5	14.4 T	371.902	1.666	562.068	69.5	14.4 T	371.902
Octachlorodibenzofuran	field	35	33	94.28571	2.085 J	618.586	59.7	14 T	237.868	1.25 U	618.586	56.4	11.83	237.868
Tetrachlorodibenzo-p-dioxin homologs	field	35	32	91.42857	0.044	22.631	1.64	0.561	2.395	0.01 U	22.631	1.5	0.459	2.395
Hexachlorodibenzofuran homologs	field	35	35	100	1.016	1798.973	82.1	9.385	179.375	1.016	1798.973	82.1	9.385	179.375
Aroclors														
Aroclor 1260	field	35	28	80	3.3	850	70.9	19	210	1.6 U	850	61.1	19	210
Aroclor 1254	field	35	13	37.14286	15 J	410	90	34 J	370	1.6 U	410	43.8	15 J	120 U
Aroclor 1268	field	35	0	0						1.6 U	30 U	5.24	2.2 U	22 U
Aroclor 1221	field	35	0	0						1.7 U	34 U	6.74	2.5 U	26 U
Aroclor 1232	field	35	0	0						1.7 U	170 U	12	2.9 U	30 U
Aroclor 1248	field	35	2	5.714286	29 J	570	300	29 J	29 J	1.6 U	570	26.8	2.6 U	88 U
Aroclor 1016	field	35	0	0						1.6 U	95 U	8.94	2.4 U	41 U
Aroclors	field	35	29	82.85714	3.3 T	1190 T	160	45 JT	850 T	1.7 UT	1190 T	141	34 T	850 T
Aroclor 1262	field	35	0	0						1.6 U	30 U	5.59	2.2 U	25 U
Aroclor 1242	field	35	3	8.571429	22	820	299	54 J	54 J	1.7 U	820	35.5	2.9 U	63 U
PCB Congeners														
Polychlorinated biphenyls	field	35	35	100	1830	8100000	372000	42900 T	848000	1830	8100000	372000	42900 T	848000
PCB029	field	35	11	31.42857	2.66	595	65.7	8.82	40.3	2.46 U	595	23.5	5 U	21.8
PCB054	field	35	31	88.57143	2.91	38300	1280	13.3	347	2.91	38300	1140	12.4	347
PCB031	field	35	35	100	26.5	71100	3120	325	11100	26.5	71100	3120	325	11100
PCB011	field	35	32	91.42857	20.5	881	179	114	463	14.9 U	881	166	113 T	463
PCB015	field	35	34	97.14286	22.4	15100	964	116 T	3420	12.1 U	15100	937	116 T	3420
PCB209	field	35	35	100	10.3	6190	491	151	1480	10.3	6190	491	151	1480
PCB001	field	35	32	91.42857	3	3450	267	16.7	671	2.46 U	3450	244	14.5 T	671
PCB002	field	35	31	88.57143	5.46	199	30.4	12.8	92.6	2.46 U	199	27.4	12.5	92.6
PCB003	field	35	32	91.42857	3.93	1080	115	19.7	389	2.46 U	1080	106	18.4 T	389

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB202	field	35	34	97.14286	10.5	23800	907	116	1060	5.28 U	23800	881	116	1060
PCB047	field	35	35	100	23	262000	9290	325 T	13100	23	262000	9290	325 T	13100
PCB006	field	35	22	62.85714	12.4 T	7300	567	45.6	879	4.95 U	7300	361	26.3	879
PCB077	field	35	35	100	4.44 J	4730	351	51.1	801	4.44 J	4730	351	51.1	801
PCB105	field	35	35	100	19.2	17800	1780	343 T	6230	19.2	17800	1780	343 T	6230
PCB074	field	35	35	100	14.1	28900	1870	219	6630	14.1	28900	1870	219	6630
PCB169	field	35	0	0						0.449 U	3.06 U	1.41	1.16 U	2.97 U
PCB197	field	35	31	88.57143	3.38	6300	248	20.4	224	2.46 U	6300	221	15.1	224
PCB080	field	35	0	0						2.45 U	12.6 U	4.51	4.95 U	6.87 U
PCB065	field	35	2	5.714286	10.2	52	31.1	10.2	10.2	2.45 U	52	5.85	4.95 U	10.2
PCB155	field	35	6	17.14286	2.6	495	89.3	5.8 T	19.9	2.46 U	495	19	5 U	12.6 U
PCB014	field	35	0	0						4.89 U	25.1 U	9	9.82 U	13.7 U
PCB153	field	35	35	100	103	620000	23100	1950	25000	103	620000	23100	1950	25000
PCB180	field	35	35	100	74.4	784000	26800	1340	27400	74.4	784000	26800	1340	27400
PCB170	field	35	35	100	30.4	306000	10500	567	9640	30.4	306000	10500	567	9640
PCB030	field	35	4	11.42857	3.88	347	101	15.2	38.5	2.46 U	347	15.4	4.95 U	15.2
PCB137	field	35	34	97.14286	10.7	5740	386	55.3	1100	5.28 U	5740	375	55.3	1100
PCB194	field	35	35	100	16.4	167000	5720	332	6090	16.4	167000	5720	332	6090
PCB018	field	35	35	100	19.5	75700	3130	219	6860	19.5	75700	3130	219	6860
PCB017	field	35	35	100	8.33	32200	2030	102 T	2940	8.33	32200	2030	102 T	2940
PCB034	field	35	15	42.85714	2.85	546	83.9	8.18	520	2.46 U	546	38.4	5.12 U	51.4
PCB035	field	35	31	88.57143	2.54	852	46.7	9.94	67	2.54	852	41.9	9.23	67
PCB099	field	35	35	100	32.5	96500	5050	600 T	18100	32.5	96500	5050	600 T	18100
PCB110	field	35	35	100	85.7	56200	6900	1510	43300	85.7	56200	6900	1510	43300
PCB156	field	35	35	100	7.39	32300	1390	132	2400	7.39	32300	1390	132	2400
PCB136	field	35	35	100	16.7	86200	3290	269	4280	16.7	86200	3290	269	4280
PCB174	field	35	35	100	32	312000	10800	600	11600	32	312000	10800	600	11600
PCB019	field	35	35	100	6.57	143000	4450	51.4	2170	6.57	143000	4450	51.4	2170
PCB026	field	35	32	91.42857	5.45	12400	686	65.6	1930	4.95 U	12400	628	61.8	1930
PCB022	field	35	35	100	10.4	29000	1290	128	3550	10.4	29000	1290	128	3550
PCB036	field	35	3	8.571429	6.61	10.2	8.02	7.26 J	7.26 J	2.45 U	12.4 U	4.62	4.95 U	7.26 J
PCB039	field	35	9	25.71429	3.44	88.6	20.7	8.9	31.9	2.46 U	88.6	8.42	5.01	20.5
PCB037	field	35	35	100	13.5	20000	982	137	1660	13.5	20000	982	137	1660
PCB040	field	35	35	100	7.33	13300	790	109	2640	7.33	13300	790	109	2640
PCB100	field	35	34	97.14286	6.35	44000	1410	26.4	877	5.28 U	44000	1370	26.4	877
PCB189	field	35	35	100	1.13 J	11400	394	21.8	327	1.13 J	11400	394	21.8	327
PCB127	field	35	0	0						2.45 U	12.6 U	4.5	4.91 U	6.87 U
PCB159	field	35	33	94.28571	2.89	8830	335	23.7	338	2.89	8830	316	22.9	338
PCB175	field	35	34	97.14286	3.29	15000	533	31.8	524	3.29	15000	518	31.8	524
PCB201	field	35	34	97.14286	6.37	19600	718	59.8	763	5.28 U	19600	697	59.8	763
PCB206	field	35	35	100	11.1	29200	1350	230 T	3130	11.1	29200	1350	230 T	3130
PCB166	field	35	23	65.71429	2.68	126	30.6	14.2	103	2.46 U	126	21.6	5.89	103
PCB190	field	35	35	100	6.72	62900	2160	117	2040	6.72	62900	2160	117	2040
PCB044	field	35	35	100	40.1	71400	5070	805	16600	40.1	71400	5070	805	16600
PCB053	field	35	35	100	8.77	91500	3490	134	6360	8.77	91500	3490	134	6360
PCB046	field	35	34	97.14286	6.39	6290	513	39.8	2590	5.28 U	6290	499	39.8	2590
PCB079	field	35	32	91.42857	3.35	1490	96.5	17.1	345	2.46 U	1490	88.6	14.2	345
PCB058	field	35	18	51.42857	2.56 T	841	68.1	8.4 T	140	2.46 U	841	37.1	5.13 U	65.7
PCB097	field	35	35	100	19.3	14700	1920	336	14200	19.3	14700	1920	336	14200
PCB082	field	35	35	100	8.58	8070	726	133	1470	8.58	8070	726	133	1470
PCB151	field	35	35	100	31.8	219000	7750	519	8860	31.8	219000	7750	519	8860
PCB179	field	35	35	100	18.4	155000	5360	295	5970	18.4	155000	5360	295	5970
PCB176	field	35	35	100	5.4	43800	1510	84.5	1590	5.4	43800	1510	84.5	1590
PCB130	field	35	35	100	6.8	15400	770	105	1790	6.8	15400	770	105	1790
PCB178	field	35	35	100	8.93	69600	2400	144	2610	8.93	69600	2400	144	2610

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB183	field	35	35	100	22	217000	7390	367	7060	22	217000	7390	367	7060
PCB177	field	35	35	100	20.3	175000	6090	336	6450	20.3	175000	6090	336	6450
PCB171	field	35	35	100	8.42	76900	2670	150	2520	8.42	76900	2670	150	2520
PCB167	field	35	35	100	3.88 J	13600	580	57.8	892	3.88 J	13600	580	57.8	892
PCB200	field	35	33	94.28571	6.21	21100	788	72	833	5.28 U	21100	744	69.4	833
PCB172	field	35	35	100	5.88	48600	1680	94.8	1710	5.88	48600	1680	94.8	1710
PCB199	field	35	35	100	20.3	166000	5900	520	6970	20.3	166000	5900	520	6970
PCB208	field	35	34	97.14286	7.8	4240	270	58.2 T	1080	5.28 U	4240	262	58.2 T	1080
PCB195	field	35	35	100	6.31	69400	2380	131	2460	6.31	69400	2380	131	2460
PCB207	field	35	33	94.28571	3.45	3610	167	32.4	252	3.45	3610	157	27.2 T	252
PCB141	field	35	35	100	22.7	138000	5060	307	5660	22.7	138000	5060	307	5660
PCB185	field	35	34	97.14286	8.46	34700	1230	82.5	1350	5.28 U	34700	1200	82.5	1350
PCB135	field	35	35	100	18.6	79900	3080	274	3710	18.6	79900	3080	274	3710
PCB038	field	35	25	71.42857	2.64	4570	233	7.68	280	2.46 U	4570	168	6.6 T	280
PCB062	field	35	2	5.714286	9.8	26.9	18.4	9.8	9.8	2.45 U	26.9	5.12	4.95 U	9.8
PCB129	field	35	34	97.14286	9.31	11700	559	67.4	1090	5.28 U	11700	543	67.4	1090
PCB086	field	35	21	60	3.18 T	935	126	12.7	587	2.46 U	935	77.5	6.18	587
PCB025	field	35	34	97.14286	6.81	6250	360	39.6	792	5.28 U	6250	350	39.6	792
PCB023	field	35	4	11.42857	4.32	92.9	30	8.1	14.8	2.46 U	92.9	7.29	4.95 U	12.4 U
PCB104	field	35	12	34.28571	2.63	4780	413	5.1	89.3	2.46 U	4780	144	5.02 U	39.8
PCB119	field	35	34	97.14286	6.07	13600	566	56.1	846	5.28 U	13600	550	56.1	846
PCB121	field	35	1	2.857143	869	869	869	869	869	2.45 U	869	29.2	4.91 U	12.4 U
PCB126	field	35	34	97.14286	1.11 J	455	36.7	7.01	148	0.723 U	455	35.7	7.01	148
PCB140	field	35	31	88.57143	6.28	1480	96	23.8	165	2.46 U	1480	85.6	17.4	165
PCB168	field	35	16	45.71429	3.36	1340	103	9.3 T	116	2.46 U	1340	49.8	5.13 U	44
PCB083	field	35	5	14.28571	6.38	603	149	52.5	71.3	2.45 U	603	25	4.95 U	52.5
PCB103	field	35	33	94.28571	4.59	18400	670	36.7 T	626	4.59	18400	633	35.5	626
PCB154	field	35	33	94.28571	5.73	14700	594	51.6	770	5.28 U	14700	561	50.1	770
PCB131	field	35	7	20	2.67	104	22.9	10.5 J	19	2.45 U	104	8.07	4.95 U	12.4 U
PCB050	field	35	21	60	3.19	7340	378	7.05	85.8	2.46 U	7340	228	5.19 U	85.8
PCB123	field	35	35	100	1.34 J	992	95.8	16.4	511	1.34 J	992	95.8	16.4	511
PCB051	field	35	35	100	5.46	114000	3690	60.5	3590	5.46	114000	3690	60.5	3590
PCB150	field	35	24	68.57143	4.04	3560	187	10	183	2.46 U	3560	130	7.05	183
PCB152	field	35	16	45.71429	2.7	4340	298	7.18 T	229	2.46 U	4340	139	5.12 U	63.7
PCB113	field	35	26	74.28571	1.65 J	762	50.3	9.36 T	93.4	1.65 J	762	38.6	6.17	93.4
PCB120	field	35	22	62.85714	3.66	567	45.6	10.6 T	45.9	2.46 U	567	30.4	6.94	45.9
PCB147	field	35	33	94.28571	9.44	35400	1310	69.1	1210	5.28 U	35400	1240	62.2	1210
PCB144	field	35	35	100	6.87	32000	1190	84.1	1390	6.87	32000	1190	84.1	1390
PCB173	field	35	31	88.57143	3.74	6920	270	21.3	212	2.46 U	6920	240	17.1	212
PCB198	field	35	33	94.28571	2.72	9100	341	30.1	349	2.72	9100	322	24.2	349
PCB157	field	35	35	100	1.93 J	1690	139	31.2	485	1.93 J	1690	139	31.2	485
PCB193	field	35	34	97.14286	8.28	35700	1260	63.9	1280	5.28 U	35700	1220	63.9	1280
PCB028	field	35	35	100	35	76500	3540	451	7730	35	76500	3540	451	7730
PCB045	field	35	34	97.14286	8.92	13500	801	79	2960	5.28 U	13500	778	79	2960
PCB078	field	35	0	0						2.45 U	12.6 U	4.5	4.91 U	6.87 U
PCB081	field	35	34	97.14286	0.567 J	275	24.7	3.65 J	106	0.523 U	275	24	3.65 J	106
PCB057	field	35	21	60	2.53	1520	102	6.93 T	118	2.46 U	1520	62.8	5.12 U	118
PCB124	field	35	34	97.14286	6.43	1460	191	39.5	879	5.28 U	1460	186	39.5	879
PCB068	field	35	32	91.42857	3.19	2810	120	10.4	169	2.46 U	2810	110	10.2	169
PCB067	field	35	33	94.28571	2.8	2010	129	15 T	600	2.8	2010	121	14.9	600
PCB096	field	35	32	91.42857	2.99	13500	521	21.2	621	2.99	13500	477	20.2	621
PCB094	field	35	33	94.28571	2.74	21900	728	15.4	343	2.74	21900	687	15.4	343
PCB093	field	35	0	0						2.45 U	12.6 U	4.5	4.91 U	6.87 U
PCB089	field	35	32	91.42857	3	1160	119	16	569	2.46 U	1160	109	14.4	569
PCB073	field	35	3	8.571429	8.66	8040	2750	187	187	2.45 U	8040	239	4.95 U	12.6 U

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Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB055	field	35	27	77.14286	5.55	1040	114	15	443	2.46 U	1040	89	10.3	443
PCB063	field	35	34	97.14286	3.69	2220	155	17.9	576	3.69	2220	151	17.9	576
PCB114	field	35	35	100	1.11 J	1110	110	17.1	250	1.11 J	1110	110	17.1	250
PCB145	field	35	7	20	2.75	197	34.7	8.71 J	13.5	2.45 U	197	10.2	4.95 U	12.6
PCB148	field	35	26	74.28571	3.67	2400	120	9.73	107	2.46 U	2400	90.3	7.01	107
PCB181	field	35	19	54.28571	4.59	927	71.7	10.7 T	91.6	2.46 U	927	40.9	5.28 U	72.7
PCB184	field	35	8	22.85714	1.8 JT	131	21.2	4.36 J	13.2	1.8 JT	131	8.14	4.95 U	6.87 U
PCB186	field	35	2	5.714286	3.28	49.3	26.3	3.28	3.28	2.45 U	49.3	5.79	4.91 U	12.4 U
PCB191	field	35	32	91.42857	2.59	12000	451	27.6	392	2.59	12000	413	22.3	392
PCB192	field	35	1	2.857143	60.4	60.4	60.4	60.4	60.4	2.45 U	60.4	6.09	4.91 U	12.4 U
PCB204	field	35	3	8.571429	5.69	41.9	18.3	7.3	7.3	2.45 U	41.9	5.71	4.95 U	12.4 U
PCB205	field	35	31	88.57143	3.77	7520	290	22.4	260	2.46 U	7520	258	15.8	260
PCB188	field	35	9	25.71429	2.56	616	86.9	13.1	70.5	2.46 U	616	25.6	5.06 U	39.4
PCB122	field	35	31	88.57143	2.61	736	74.4	14.2	163	2.46 U	736	66.5	12.6 T	163
PCB004 & 010	field	35	24	68.57143	22 T	65200	3880	108 T	3860	4.95 U	65200	2670	51.6	3860
PCB005 & 008	field	35	33	94.28571	19.6	41200	1900	114	4290	10.6 U	41200	1790	112	4290
PCB007 & 009	field	35	8	22.85714	36.6 T	3450	653	180	590	4.91 U	3450	159	10.6 U	504
PCB012 & 013	field	35	14	40	10.3 T	1650	261	67.9	647	4.95 U	1650	112	16.7 U	398
PCB016 & 032	field	35	35	100	14.3	42600	2120	161	5570	14.3	42600	2120	161	5570
PCB020 & 021 & 033	field	35	35	100	17	53100	2070	189 T	3300	17	53100	2070	189 T	3300
PCB024 & 027	field	35	34	97.14286	6.09	22400	871	24.5	694	5.28 U	22400	846	24.5	694
PCB041 & 064 &071 &072	field	35	35	100	37	61000	4890	665	27800	37	61000	4890	665	27800
PCB042 & 059	field	35	35	100	13.6	23700	1790	227	12300	13.6	23700	1790	227	12300
PCB043 & 049	field	35	35	100	33.6	97700	6540	669	34200	33.6	97700	6540	669	34200
PCB048 & 075	field	35	35	100	7.76	16900	1120	96.3	6760	7.76	16900	1120	96.3	6760
PCB052 & 069	field	35	35	100	50.6	69200	6760	1040	45700	50.6	69200	6760	1040	45700
PCB056 & 060	field	35	35	100	18.2	38100	2480	272	8770	18.2	38100	2480	272	8770
PCB061 & 070	field	35	35	100	32.6	62700	4190	837	14600	32.6	62700	4190	837	14600
PCB066 & 076	field	35	35	100	27.1	49600	3670	489	11200	27.1	49600	3670	489	11200
PCB084 & 092	field	35	35	100	33.7	72100	4240	606 T	17000	33.7	72100	4240	606 T	17000
PCB085 & 116	field	35	35	100	11.9	10800	984	197	2330	11.9	10800	984	197	2330
PCB087 & 117 & 125	field	35	35	100	27.2	21900	2520	409	16900	27.2	21900	2520	409	16900
PCB088 & 091	field	35	35	100	14.5	47800	2380	238 T	7520	14.5	47800	2380	238 T	7520
PCB090 & 101	field	35	35	100	79.5	184000	10300	1510	34600	79.5	184000	10300	1510	34600
PCB095 & 098 & 102	field	35	35	100	75.2	174000	9080	1330	27900	75.2	174000	9080	1330	27900
PCB106 & 118	field	35	35	100	54.6	45400	5140	1040	30900	54.6	45400	5140	1040	30900
PCB107 & 109	field	35	34	97.14286	11.5	3620	434	95.1 T	2520	5.28 U	3620	422	95.1 T	2520
PCB108 & 112	field	35	34	97.14286	9.36	21300	879	62.4	2310	5.28 U	21300	854	62.4	2310
PCB111 & 115	field	35	33	94.28571	3.67	1580	143	23.3	518	3.67	1580	135	18.2	518
PCB128 & 162	field	35	35	100	13.1	24900	1400	222	3600	13.1	24900	1400	222	3600
PCB132 & 161	field	35	35	100	27.3	91900	4100	489	7630	27.3	91900	4100	489	7630
PCB133 & 142	field	35	34	97.14286	7.12	12300	531	57.1	754	5.28 U	12300	516	57.1	754
PCB134 & 143	field	35	35	100	6.29	27200	1060	84.2	1490	6.29	27200	1060	84.2	1490
PCB138 & 163 & 164	field	35	35	100	114	504000	19900	1870 T	26700	114	504000	19900	1870 T	26700
PCB139 & 149	field	35	35	100	103	499000	19100	1730	24100	103	499000	19100	1730	24100
PCB146 & 165	field	35	35	100	17.5	73800	2990	333	3890	17.5	73800	2990	333	3890
PCB158 & 160	field	35	35	100	11.9	46900	1920	170	3130	11.9	46900	1920	170	3130
PCB182 & 187	field	35	35	100	48.7	428000	14800	880	16500	48.7	428000	14800	880	16500
PCB196 & 203	field	35	35	100	22.1	204000	7150	524	7970	22.1	204000	7150	524	7970
PCB Homologs														
Trichlorobiphenyl homologs	field	35	35	100	157	428000	24800	1930	60200	157	428000	24800	1930	60200
Pentachlorobiphenyl homologs	field	35	35	100	464	870000	57000	8570	267000	464	870000	57000	8570	267000
Dichlorobiphenyl homologs	field	35	34	97.14286	85	81700	6330	457	17100	10.6 U	81700	6150	457	17100
Hexachlorobiphenyl homologs	field	35	35	100	513	2610000	101000	9140	119000	513	2610000	101000	9140	119000

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
Tetrachlorobiphenyl homologs	field	35	35	100	324	773000	59500	6820	362000	324	773000	59500	6820	362000
Monochlorobiphenyl homologs	field	35	33	94.28571	6.43	4310	399	48.2	1170	2.46 U	4310	376	45.5	1170
Heptachlorobiphenyl homologs	field	35	35	100	283	2800000	96200	5010	99300	283	2800000	96200	5010	99300
Nonachlorobiphenyl homologs	field	35	35	100	11.1	37000	1760	315 T	4440	11.1	37000	1760	315 T	4440
Octachlorobiphenyl homologs	field	35	35	100	65.1	694000	24300	1850	27000	65.1	694000	24300	1850	27000
Petroleum														
Diesel Range Hydrocarbons	field	35	35	100	9.3 JT	670 J	157	100 J	370 J	9.3 JT	670 J	157	100 J	370 J
Gasoline Range Hydrocarbons	field	35	6	17.14286	1.8 JT	13 JT	4.47	2.8 J	4.15 JT	1.4 U	13 JT	2.79	2.1 U	4.15 JT
Residual Range Hydrocarbons	field	35	34	97.14286	80 J	2300 J	654	490 JT	1500 J	38 UT	2300 J	637	490 JT	1500 J
Corbicula fluminea														
Conventionals														
Lipids	field	32	32	100	1.36	4.63	2.38	2.19	3.38	1.36	4.63	2.38	2.19	3.38
Total solids	field	28	28	100	10.2	17.1	13.8	14.2	15.7	10.2	17.1	13.8	14.2	15.7
Lipids	lab	35	35	100	0.527	2.29	1	0.862	1.96	0.527	2.29	1	0.862	1.96
Total solids	lab	35	35	100	5.11 T	8.7	6.93	6.78	8.6	5.11 T	8.7	6.93	6.78	8.6
Metals														
Aluminum	field	28	28	100	20.5	202	87.6	73.3	171	20.5	202	87.6	73.3	171
Lead	field	28	28	100	0.024	0.261	0.0883	0.072	0.146	0.024	0.261	0.0883	0.072	0.146
Mercury	field	25	25	100	0.005 JT	0.016 J	0.00938	0.009 J	0.012 J	0.005 JT	0.016 J	0.00938	0.009 J	0.012 J
Nickel	field	28	28	100	0.228 JT	0.485 J	0.334	0.313 J	0.441 J	0.228 JT	0.485 J	0.334	0.313 J	0.441 J
Silver	field	28	28	100	0.025 T	0.101	0.0568	0.0535	0.0792 T	0.025 T	0.101	0.0568	0.0535	0.0792 T
Antimony	field	28	14	50	0.001 J	0.004 J	0.00205	0.002 J	0.003 J	0.001 U	0.006 U	0.00188	0.002 J	0.003 J
Arsenic	field	28	28	100	0.694	1.25	0.94	0.924	1.06	0.694	1.25	0.94	0.924	1.06
Cadmium	field	28	28	100	0.0582	0.218	0.0977	0.0775	0.154 J	0.0582	0.218	0.0977	0.0775	0.154 J
Chromium	field	28	28	100	0.43	1.05 T	0.668	0.63	0.92	0.43	1.05 T	0.668	0.63	0.92
Copper	field	28	28	100	8.04	13.5	9.85	9.49	11.6	8.04	13.5	9.85	9.49	11.6
Zinc	field	28	28	100	26.6 T	54	36.2	35.6	46.9	26.6 T	54	36.2	35.6	46.9
Selenium	field	28	28	100	0.069	141	5.15	0.105	0.19	0.069	141	5.15	0.105	0.19
Aluminum	lab	35	35	100	7.6 T	76.5 T	28.9	24.6	60.3	7.6 T	76.5 T	28.9	24.6	60.3
Lead	lab	35	35	100	0.033	0.221	0.0581	0.049	0.082	0.033	0.221	0.0581	0.049	0.082
Mercury	lab	35	35	100	0.00705 T	0.0162	0.0103	0.0098	0.0124	0.00705 T	0.0162	0.0103	0.0098	0.0124
Nickel	lab	35	35	100	0.094 T	0.313 J	0.151	0.144	0.188 J	0.094 T	0.313 J	0.151	0.144	0.188 J
Silver	lab	35	35	100	0.00855 T	0.0181	0.0127	0.0126	0.0155	0.00855 T	0.0181	0.0127	0.0126	0.0155
Antimony	lab	35	17	48.57143	0.0006	0.0012	0.000791	0.0007	0.0011	0.0005 U	0.0035 U	0.000941	0.0008 U	0.0012
Arsenic	lab	35	35	100	0.303 JT	0.548	0.426	0.414	0.541	0.303 JT	0.548	0.426	0.414	0.541
Cadmium	lab	35	35	100	0.0383 T	0.0666	0.0514	0.0497	0.0598	0.0383 T	0.0666	0.0514	0.0497	0.0598
Chromium	lab	35	35	100	0.14	0.49	0.222	0.21	0.33	0.14	0.49	0.222	0.21	0.33
Copper	lab	35	35	100	2.64 T	5.94 J	3.82	3.73 J	4.66 J	2.64 T	5.94 J	3.82	3.73 J	4.66 J
Zinc	lab	35	35	100	10.8 T	16.8	13.6	13.5	15.7	10.8 T	16.8	13.6	13.5	15.7
Selenium	lab	35	35	100	0.072	0.247	0.143	0.15	0.232	0.072	0.247	0.143	0.15	0.232
Butyltins														
Dibutyltin ion	field	25	25	100	1.1	560	28.4	3.5	12	1.1	560	28.4	3.5	12
Tetrabutyltin	field	25	0	0						0.067 U	3.4 U	0.2	0.067 U	0.068 U
Tributyltin ion	field	25	19	76	2.5	530	38.3	6.7	63	1.8 U	530	29.9	5.1	33
Butyltin ion	field	25	18	72	1	97	8.62	2.9 J	8.4	0.061 U	97	6.35	1.8	7.3 J
Dibutyltin ion	lab	35	11	31.42857	0.89 J	120 J	12.3	1.2	4.2	0.37 U	120 J	4.28	0.7 U	2.6
Tetrabutyltin	lab	35	0	0						0.067 U	0.67 U	0.0842	0.067 U	0.067 U
Tributyltin ion	lab	35	9	25.71429	1.1	680	84.1	4.6	34	0.89 U	680	22.8	1.6 U	16
Butyltin ion	lab	35	18	51.42857	0.19 J	15	1.36	0.35 J	2.6	0.061 U	15	0.781	0.26 J	1.2
PAHs														
Anthracene	field	29	29	100	1.2	78	11.8	5.6	30	1.2	78	11.8	5.6	30
Pyrene	field	29	29	100	6.9 T	850	130	66	280	6.9 T	850	130	66	280

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Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
Polycyclic Aromatic Hydrocarbons	field	29	29	100	34.2 JT	4980 T	636	250 T	1180 T	34.2 JT	4980 T	636	250 T	1180 T
Benzo(g,h,i)perylene	field	29	29	100	0.485 JT	230	19.8	3.1	23	0.485 JT	230	19.8	3.1	23
Indeno(1,2,3-cd)pyrene	field	29	21	72.41379	0.9	170	19.5	3.1	16	0.16 U	170	14.1	2	16
Benzo(b)fluoranthene	field	29	29	100	0.955 T	460	43.2	8.8	67	0.955 T	460	43.2	8.8	67
Fluoranthene	field	29	29	100	7.85 T	770	123	57	250	7.85 T	770	123	57	250
Benzo(k)fluoranthene	field	29	29	100	0.47 JT	310	27.4	5.3	43	0.47 JT	310	27.4	5.3	43
Acenaphthylene	field	29	27	93.10345	0.28 JT	14	2.61	1.5	4.6	0.092 U	14	2.44	1.5	4.6
Chrysene	field	29	29	100	5.1 T	560	81.1	39	150	5.1 T	560	81.1	39	150
Benzo(a)pyrene	field	29	29	100	1.4 T	490	41.5	5	60	1.4 T	490	41.5	5	60
Dibenzo(a,h)anthracene	field	29	9	31.03448	0.5 J	43	10.7	2.8 T	37	0.11 U	43	3.43	0.22 U	6.3
Benzo(a)anthracene	field	29	29	100	2.95 T	670	80.1	31	160	2.95 T	670	80.1	31	160
Acenaphthene	field	29	28	96.55172	0.22 JT	61	5.04	1.2	21	0.091 U	61	4.87	1.2	21
Phenanthrene	field	29	29	100	4.1 T	300	43.2	19	160	4.1 T	300	43.2	19	160
Fluorene	field	29	29	100	0.965 T	36	5.32	3	16	0.965 T	36	5.32	3	16
Naphthalene	field	29	4	13.7931	2.6	33	11.9	3	9	0.97 UT	33	3.04	1.6 U	3
2-Methylnaphthalene	field	29	29	100	1.3	22	3.17	1.8	3.3	1.3	22	3.17	1.8	3.3
High Molecular Weight PAH	field	29	29	100	26.1 JT	4450 T	564	218 T	1060 T	26.1 JT	4450 T	564	218 T	1060 T
Low Molecular Weight PAH	field	29	29	100	8.12 JT	542 T	72.4	32.1 T	240 T	8.12 JT	542 T	72.4	32.1 T	240 T
Anthracene	lab	35	35	100	0.52	29	3.18	1.2	6.6	0.52	29	3.18	1.2	6.6
Pyrene	lab	35	35	100	3.7	490	47.9	15	250	3.7	490	47.9	15	250
Benzo(g,h,i)perylene	lab	35	27	77.14286	0.18 J	18	1.71	0.55	5.8	0.17 U	18	1.36	0.37 J	5.8
Indeno(1,2,3-cd)pyrene	lab	35	10	28.57143	0.21 J	12	2.55	0.53	6	0.16 U	12	0.843	0.16 U	3.7
Benzo(b)fluoranthene	lab	35	29	82.85714	0.3 J	33	3.29	0.97	13	0.15 U	33	2.75	0.8	13
Fluoranthene	lab	35	35	100	4.8	390	43.1	11	250	4.8	390	43.1	11	250
Benzo(k)fluoranthene	lab	35	27	77.14286	0.17 J	23	1.95	0.46 J	5.2	0.13 U	23	1.54	0.36 J	5.2
Acenaphthylene	lab	35	21	60	0.19 J	1.1	0.425	0.32 J	0.83	0.092 U	1.1	0.292	0.25 J	0.83
Chrysene	lab	35	35	100	1.6	100	10.7	3.7	49	1.6	100	10.7	3.7	49
Benzo(a)pyrene	lab	35	33	94.28571	0.46 J	33	2.38	0.64	6.2	0.12 U	33	2.25	0.64	6.2
Dibenzo(a,h)anthracene	lab	35	8	22.85714	0.19 J	1.4	0.641	0.27 J	1.4	0.11 U	1.4	0.231	0.11 U	0.83
Benzo(a)anthracene	lab	35	35	100	0.39 J	67	5.92	1.6	31	0.39 J	67	5.92	1.6	31
Acenaphthene	lab	35	34	97.14286	0.16 J	13	1.45	0.34 J	8	0.091 U	13	1.41	0.34 J	8
Phenanthrene	lab	35	35	100	3.5	120	14.6	5.3	67	3.5	120	14.6	5.3	67
Fluorene	lab	35	35	100	0.5	11	1.74	0.83	8.6	0.5	11	1.74	0.83	8.6
Naphthalene	lab	35	1	2.857143	5.1	5.1	5.1	5.1	5.1	0.33 U	5.1	0.929	0.73 U	1.2 U
2-Methylnaphthalene	lab	35	12	34.28571	0.59 J	1.8	1	0.94 J	1.1	0.15 U	1.8	0.772	0.75 U	1.1
SVOCs														
Benzyl alcohol	field	28	26	92.85714	8.6 J	120 J	28.7	13.5 JT	95 J	6.7 U	120 J	27.4	13.5 JT	95 J
1,4-Dichlorobenzene	field	28	0	0						11 UJ	29 UJ	14.9	11 UJ	22 UJ
Hexachlorobenzene	field	32	31	96.875	0.373	1.07	0.6	0.601	0.839 J	0.373	12 U	0.956	0.601	0.84
1,2,4-Trichlorobenzene	field	28	0	0						9.9 U	26 U	13.4	9.9 U	20 U
Dibenzofuran	field	29	25	86.2069	0.46 J	17	2.05	1.2	2.5	0.071 U	17	1.78	1.1	2.5
1,3-Dichlorobenzene	field	28	0	0						11 UJ	29 UJ	14.9	11 UJ	22 UJ
Hexachloroethane	field	28	0	0						8.5 U	23 U	11.5	8.5 U	17 U
N-Nitrosodiphenylamine	field	28	0	0						9.5 U	25 U	12.8	9.5 U	19 U
Hexachlorobutadiene	field	28	2	7.142857	0.00344 JT	0.025 J	0.0142	0.00344 JT	0.00344 JT	0.00344 JT	23 U	9.98	8.5 U	17 U
1,2-Dichlorobenzene	field	28	0	0						12 UJ	32 UJ	16.2	12 UJ	24 UJ
Benzyl alcohol	lab	35	27	77.14286	6.7 J	25 J	11.9	9.2 J	22 J	6.7 U	25 J	10.7	8.4 J	22 J
1,4-Dichlorobenzene	lab	35	0	0						11 U	11 U	11	11 UJ	11 UJ
Hexachlorobenzene	lab	35	34	97.14286	0.0292 J	0.275	0.0625	0.0455 J	0.107 J	0.0292 J	0.275	0.0623	0.048 J	0.107 J
1,2,4-Trichlorobenzene	lab	35	0	0						9.9 U	9.9 U	9.9	9.9 U	9.9 U
Dibenzofuran	lab	35	35	100	0.24 J	1.2	0.439	0.37 J	0.82	0.24 J	1.2	0.439	0.37 J	0.82
1,3-Dichlorobenzene	lab	35	0	0						11 U	11 U	11	11 UJ	11 UJ
Hexachloroethane	lab	35	0	0						8.5 U	8.5 U	8.5	8.5 U	8.5 U
N-Nitrosodiphenylamine	lab	35	0	0						9.5 U	9.5 U	9.5	9.5 U	9.5 U

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
Hexachlorobutadiene	lab	35	5	14.28571	0.00419 J	4.25 J	0.854	0.00548 J	0.00719 J	0.00417 UJ	8.5 U	5.22	8.5 U	8.5 U
1,2-Dichlorobenzene	lab	35	0	0						12 U	12 U	12	12 UJ	12 UJ
Phthalates														
Bis(2-ethylhexyl) phthalate	field	28	2	7.142857	120 J	140 J	130	120 J	120 J	53 U	140 J	73.9	53 U	120 J
Di-n-octyl phthalate	field	28	0	0						13 U	640 U	39.5	13 U	27 U
Dimethyl phthalate	field	28	0	0						5.1 U	14 U	7.11	5.1 U	11 U
Diethyl phthalate	field	28	0	0						11 UT	49 U	19.1	16 U	28 U
Dibutyl phthalate	field	28	1	3.571429	1300	1300	1300	1300	1300	16 U	1300	66.9	16 U	33 U
Butylbenzyl phthalate	field	28	0	0						14 U	37 U	18.9	14 U	28 U
Bis(2-ethylhexyl) phthalate	lab	35	27	77.14286	53 J	8600	405	86 J	140 J	53 U	8600	325	75 J	140 J
Di-n-octyl phthalate	lab	35	0	0						13 U	13 U	13	13 U	13 U
Dimethyl phthalate	lab	35	2	5.714286	5.3 J	5.6 J	5.45	5.3 J	5.3 J	5.1 U	5.6 J	5.12	5.1 U	5.1 U
Diethyl phthalate	lab	35	10	28.57143	9.6 J	19 J	13	12 J	14 J	9.4 U	19 J	10.4	9.4 U	14 J
Dibutyl phthalate	lab	35	0	0						16 U	210 U	101	160 U	210 U
Butylbenzyl phthalate	lab	35	0	0						14 U	14 U	14	14 U	14 U
Phenols														
2,4-Dimethylphenol	field	28	0	0						13 U	35 U	17.6	13 U	26 U
4-Methylphenol	field	28	0	0						15 U	40 U	20.3	15 U	30 U
Phenol	field	28	0	0						17 U	45 U	22.9	17 U	34 U
2-Methylphenol	field	28	0	0						53 U	140 U	72.5	53 U	110 U
2,4-Dimethylphenol	lab	35	0	0						13 U	13 U	13	13 U	13 U
4-Methylphenol	lab	35	0	0						15 U	15 U	15	15 U	15 U
Phenol	lab	35	3	8.571429	17 J	180	75	28 J	28 J	17 U	180	22	17 U	17 U
Pentachlorophenol	lab	18	0	0						31 U	31 U	31	31 U	31 U
2-Methylphenol	lab	35	3	8.571429	68 J	99	83.7	84	84	53 U	99	55.6	53 U	68 J
Pesticides														
Heptachlor epoxide	field	31	30	96.77419	0.0373 J	0.11 J	0.0622	0.0606 J	0.0866 J	0.0373 J	0.11 J	0.0618	0.0606 J	0.0866 J
Endosulfan sulfate	field	31	31	100	0.482	1	0.693	0.702	0.895	0.482	1	0.693	0.702	0.895
Oxychlordane	field	31	26	83.87097	0.0447 JT	0.105 J	0.0707	0.0626 J	0.101 J	0.0447 JT	1.13 U	0.105	0.0628 J	0.101 J
Aldrin	field	31	31	100	0.126 J	5.07	0.402	0.224 J	0.399	0.126 J	5.07	0.402	0.224 J	0.399
alpha-Hexachlorocyclohexane	field	31	13	41.93548	0.00569 JT	0.0205 J	0.0124	0.0128 J	0.0189 J	0.00569 JT	1.06 U	0.0507	0.0119 U	0.0634 U
beta-Hexachlorocyclohexane	field	31	0	0						0.00418 U	0.698 U	0.0635	0.0422 U	0.0537 U
delta-Hexachlorocyclohexane	field	31	7	22.58065	0.00102 JT	0.00425 J	0.00208	0.00142 J	0.00401 J	0.000983 U	0.304 U	0.0132	0.00164 U	0.0192 U
beta-Endosulfan	field	31	30	96.77419	0.128 JT	0.262	0.181	0.17 J	0.252	0.128 JT	0.622 U	0.195	0.173 J	0.26
2,4'-DDE	field	31	31	100	0.0978 J	6.46	0.856	0.406	3.08	0.0978 J	6.46	0.856	0.406	3.08
trans-Nonachlor	field	31	31	100	0.873	4.15	1.41	1.2	2.06	0.873	4.15	1.41	1.2	2.06
4,4'-DDT	field	31	31	100	0.611	32.2	3.5	1.56	8.36	0.611	32.2	3.5	1.56	8.36
cis-Chlordane	field	31	31	100	0.655	5.12	1.24	0.959	1.89	0.655	5.12	1.24	0.959	1.89
cis-Nonachlor	field	31	31	100	0.284 J	1.08	0.485	0.436 J	0.759	0.284 J	1.08	0.485	0.436 J	0.759
trans-Chlordane	field	31	31	100	0.471	5.57	0.993	0.708	1.5	0.471	5.57	0.993	0.708	1.5
2,4'-DDD	field	31	31	100	0.394	52.1	4.91	2.14	9.65	0.394	52.1	4.91	2.14	9.65
Endrin ketone	field	31	12	38.70968	0.00183 JT	0.0136 J	0.00457	0.00329 J	0.00855 J	0.00127 U	0.664 U	0.0295	0.00329 J	0.0416 U
Chlordane (cis & trans)	field	31	31	100	1.13 T	10.7 T	2.23	1.67 T	3.39 T	1.13 T	10.7 T	2.23	1.67 T	3.39 T
gamma-Hexachlorocyclohexane	field	31	28	90.32258	0.0332 J	0.0837 J	0.0627	0.0653 J	0.0784 J	0.0332 J	0.511 U	0.0771	0.0653 J	0.0809 J
Dieldrin	field	31	31	100	0.566	2.62	0.909	0.864	1.19	0.566	2.62	0.909	0.864	1.19
Endrin	field	31	18	58.06452	0.00549 J	0.0635 J	0.0187	0.0099 J	0.0545 J	0.00315 U	0.0635 J	0.0163	0.00868 U	0.0531 U
Methoxychlor	field	31	2	6.451613	0.0937 J	0.323	0.208	0.0937 J	0.0937 J	0.0114 U	0.323	0.0357	0.0192 U	0.0937 J
4,4'-DDD	field	31	31	100	1.76	144	16	7.87	27.9	1.76	144	16	7.87	27.9
4,4'-DDE	field	31	31	100	4.79	63.7	15.8	12	37.7	4.79	63.7	15.8	12	37.7
Endrin aldehyde	field	31	0	0						0.015 U	0.319 U	0.0297	0.0192 UT	0.0244 U
Heptachlor	field	31	19	61.29032	0.0073 J	0.419 J	0.0408	0.0139 J	0.0533 J	0.0073 J	0.419 J	0.0326	0.0129 JT	0.0533 J
2,4'-DDT	field	31	31	100	0.167 J	12.2	1.28	0.49	3.28	0.167 J	12.2	1.28	0.49	3.28
alpha-Endosulfan	field	31	30	96.77419	0.0878 J	0.244	0.152	0.15 J	0.223	0.0878 J	0.437 U	0.161	0.152 J	0.224

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
Total of 4,4'-DDD, -DDE, -DDT	field	31	31	100	7.16 T	233 T	35.3	20.5 T	89 T	7.16 T	233 T	35.3	20.5 T	89 T
Total Chlordanes	field	31	31	100	2.41 JT	16 JT	4.18	3.32 JT	6.31 JT	2.41 JT	16 JT	4.18	3.32 JT	6.31 JT
Heptachlor epoxide	lab	35	33	94.28571	0.0173 J	0.094 J	0.0333	0.026 J	0.0748 J	0.017 U	0.094 J	0.0326	0.025 J	0.0748 J
Endosulfan sulfate	lab	35	17	48.57143	0.0203 J	0.075 J	0.0411	0.037 J	0.075 J	0.018 U	0.086 U	0.0388	0.033 U	0.075 J
Oxychlordane	lab	35	29	82.85714	0.0387 J	0.157 J	0.0653	0.0583 J	0.122 J	0.0326 U	0.157 J	0.0616	0.0537 J	0.122 J
Aldrin	lab	35	28	80	0.0118 J	2.14	0.102	0.0205 J	0.0493 J	0.0118 J	2.14	0.0854	0.0205 J	0.0493 J
alpha-Hexachlorocyclohexane	lab	35	20	57.14286	0.00607 J	0.0136 J	0.00921	0.00882 J	0.0128 J	0.0054 U	0.0633 U	0.0115	0.00951 U	0.0137 U
beta-Hexachlorocyclohexane	lab	35	6	17.14286	0.00131 J	0.00873 J	0.00413	0.00268 J	0.00629 J	0.00118 U	0.0517 U	0.0232	0.0405 U	0.0441 U
delta-Hexachlorocyclohexane	lab	35	3	8.571429	0.001 J	0.007 J	0.003	0.001 J	0.001 J	0.001 U	0.0361 U	0.00726	0.00219 U	0.0183 U
beta-Endosulfan	lab	35	3	8.571429	0.025 J	0.0308 J	0.0281	0.0284 J	0.0284 J	0.012 U	0.119 U	0.0484	0.0605 U	0.0619 U
2,4'-DDE	lab	35	30	85.71429	0.0125 J	2.93	0.175	0.0224 J	0.429	0.0125 J	2.93	0.155	0.025 J	0.429
trans-Nonachlor	lab	35	35	100	0.657	3	1.19	0.965	2.28	0.657	3	1.19	0.965	2.28
4,4'-DDT	lab	35	32	91.42857	0.0665 J	87.1	2.93	0.1 J	0.477	0.0665 J	87.1	2.69	0.101 J	0.477
cis-Chlordane	lab	35	35	100	0.414 J	2.29	0.786	0.641	1.39	0.414 J	2.29	0.786	0.641	1.39
cis-Nonachlor	lab	35	35	100	0.234 J	0.985	0.403	0.342 J	0.761	0.234 J	0.985	0.403	0.342 J	0.761
trans-Chlordane	lab	35	35	100	0.26 J	2.81	0.542	0.395 J	0.94	0.26 J	2.81	0.542	0.395 J	0.94
2,4'-DDD	lab	35	35	100	0.094 J	239	7.73	0.225 J	2.4	0.094 J	239	7.73	0.225 J	2.4
Endrin ketone	lab	35	3	8.571429	0.002 J	0.0108 J	0.0056	0.004 J	0.004 J	0.00105 U	0.0839 U	0.038	0.0396 U	0.0771 U
gamma-Hexachlorocyclohexane	lab	35	26	74.28571	0.0314 J	0.109 J	0.058	0.051 J	0.0978 J	0.0307 U	0.109 J	0.0569	0.051 J	0.0978 J
Dieldrin	lab	35	35	100	0.139 J	4.14	0.357	0.189	0.626	0.139 J	4.14	0.357	0.189	0.626
Endrin	lab	35	5	14.28571	0.00563 J	0.0616 J	0.0192	0.008 J	0.013 J	0.002 U	0.0616 J	0.0183	0.019 U	0.0493 U
Methoxychlor	lab	35	0	0						0.004 U	0.0284 U	0.016	0.0188 U	0.0197 U
4,4'-DDD	lab	35	35	100	0.375	702	23.8	0.757	8.15	0.375	702	23.8	0.757	8.15
4,4'-DDE	lab	35	35	100	0.513	8.55	1.6	0.832	6.68	0.513	8.55	1.6	0.832	6.68
Endrin aldehyde	lab	35	0	0						0.001 U	0.0403 U	0.0194	0.019 U	0.037 U
Heptachlor	lab	35	26	74.28571	0.0158 J	0.0534 J	0.026	0.0211 J	0.045 J	0.012 U	0.0607 U	0.0266	0.0223 J	0.048 J
2,4'-DDT	lab	35	25	71.42857	0.0225 J	0.729	0.0668	0.0288 J	0.091 J	0.0211 U	0.729	0.0644	0.0339 J	0.101 U
alpha-Endosulfan	lab	35	3	8.571429	0.015 J	0.049 J	0.0297	0.025 J	0.025 J	0.003 U	0.049 J	0.0209	0.0225 U	0.0443 U
Dioxins Furans														
2,3,7,8-Tetrachlorodibenzo-p-dioxin	field	29	4	13.7931	0.165 J	0.432	0.257	0.182 JT	0.249	0.116 UT	1.05 U	0.286	0.224 U	0.432
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	field	29	23	79.31034	0.124 J	0.939 J	0.284	0.215 J	0.489 J	0.124 J	0.939 J	0.269	0.211 J	0.489 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	field	29	29	100	1.94	16.1 J	4.76	3.57	9.32	1.94	16.1 J	4.76	3.57	9.32
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	field	29	20	68.96552	0.073 J	0.248 J	0.141	0.122 J	0.227 J	0.073 J	2.77 U	0.231	0.123 U	0.248 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	field	29	17	58.62069	0.146 J	0.544 J	0.282	0.257 J	0.448 J	0.14 U	1.96 U	0.313	0.23 J	0.449 U
2,3,7,8-Tetrachlorodibenzofuran	field	29	26	89.65517	0.343	24.4	3.04	1.29	5.48	0.343	24.4	2.83	1.29	5.48
1,2,3,4,7,8,9-Heptachlorodibenzofuran	field	29	8	27.58621	0.065 J	0.454 J	0.145	0.098 J	0.165 J	0.053 U	2.2 U	0.208	0.132 U	0.212 U
2,3,4,7,8-Pentachlorodibenzofuran	field	29	18	62.06897	0.132 J	6.33	1.28	0.478 JT	5.87	0.132 J	6.33	0.978	0.427 U	3.06
1,2,3,7,8-Pentachlorodibenzofuran	field	29	22	75.86207	0.057 J	7.01	0.795	0.205 JT	1.84	0.057 J	7.01	0.711	0.202 U	2.27 U
1,2,3,6,7,8-Hexachlorodibenzofuran	field	29	10	34.48276	0.059 J	0.868 J	0.211	0.096 J	0.397 J	0.053 U	1.57 U	0.196	0.095 J	0.424 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	field	29	27	93.10345	0.37 JT	1.82 J	0.796	0.666 J	1.48	0.37 JT	1.82 J	0.774	0.625 J	1.48
2,3,4,6,7,8-Hexachlorodibenzofuran	field	29	7	24.13793	0.086 JT	0.426 J	0.164	0.116 JT	0.219 J	0.081 U	1.84 U	0.201	0.118 U	0.317 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran	field	29	15	51.72414	0.432 JT	3.77 J	1.31	1.22	2.12	0.338 U	3.77 J	1	0.721 U	2.07
1,2,3,4,7,8-Hexachlorodibenzofuran	field	29	24	82.75862	0.066 JT	4.8	0.674	0.22 J	1.79 J	0.066 JT	4.8	0.642	0.213 U	1.82 U
1,2,3,7,8,9-Hexachlorodibenzofuran	field	29	0	0						0.057 U	2.22 U	0.21	0.134 U	0.196 U
2,3,7,8-Tetrachlorodibenzo-p-dioxin	lab	35	12	34.28571	0.051 J	15.4	1.44	0.102 J	0.82	0.051 J	15.4	0.553	0.088 U	0.173 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	lab	35	11	31.42857	0.054 J	0.178 J	0.11	0.095 J	0.172 J	0.054 J	0.546 U	0.108	0.0912 U	0.178 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	lab	35	25	71.42857	0.417 J	5.56	1.58	0.705 J	5.04	0.26 U	5.56	1.27	0.63 J	5.04
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	lab	35	6	17.14286	0.08 J	0.14 J	0.102	0.102 J	0.107 J	0.052 U	0.465 U	0.151	0.161 U	0.167 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	lab	35	10	28.57143	0.051 J	17	1.79	0.063 J	0.234 J	0.049 U	17	0.577	0.075 U	0.211 J
2,3,7,8-Tetrachlorodibenzofuran	lab	35	22	62.85714	0.162 J	45.2	2.62	0.327	0.909	0.122 U	45.2	1.75	0.291 U	0.909
1,2,3,4,7,8,9-Heptachlorodibenzofuran	lab	35	5	14.28571	0.057 J	0.184 J	0.108	0.073 J	0.17 J	0.057 J	0.184 J	0.117	0.129 U	0.163 U
2,3,4,7,8-Pentachlorodibenzofuran	lab	35	17	48.57143	0.079 J	9.31	0.935	0.13 J	3.19	0.075 U	9.31	0.523	0.118 J	1.45
1,2,3,7,8-Pentachlorodibenzofuran	lab	35	11	31.42857	0.051 J	2.96	0.55	0.117 J	1.99	0.05 U	2.96	0.233	0.079 U	0.343 J
1,2,3,6,7,8-Hexachlorodibenzofuran	lab	35	4	11.42857	0.05 J	0.407 J	0.147	0.062 J	0.068 J	0.05 J	0.407 J	0.108	0.0926 U	0.282 U

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	lab	35	22	62.85714	0.077 J	2.54	0.395	0.145 J	1.06 J	0.077 J	2.54	0.303	0.144 U	1.06 J
2,3,4,6,7,8-Hexachlorodibenzofuran	lab	35	21	60	0.058 J	0.816 J	0.141	0.085 J	0.241 J	0.052 U	0.816 J	0.116	0.079 U	0.241 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	lab	35	13	37.14286	0.12 J	1.74	0.531	0.227 J	1.43	0.075 U	1.74	0.342	0.183 U	1.13 J
1,2,3,4,7,8-Hexachlorodibenzofuran	lab	35	15	42.85714	0.05 J	3.28	0.64	0.103 J	2.92	0.048 U	3.28	0.33	0.105 U	2.07
1,2,3,7,8,9-Hexachlorodibenzofuran	lab	35	5	14.28571	0.061 J	0.081 J	0.07	0.069 J	0.07 J	0.052 U	0.164 U	0.115	0.131 U	0.14 U
Dioxin Furan Homolog														
Tetrachlorodibenzofuran homologs	field	29	29	100	4.05	56.4	14.2	10.9	21	4.05	56.4	14.2	10.9	21
Pentachlorodibenzofuran homologs	field	29	29	100	1.62	43	7.54	4.77	17.6	1.62	43	7.54	4.77	17.6
Octachlorodibenzo-p-dioxin	field	29	29	100	11.2	110	30.4	21.5	95.4	11.2	110	30.4	21.5	95.4
Hexachlorodibenzo-p-dioxin homologs	field	29	29	100	1.01	7.22	3.33	2.76	6.09	1.01	7.22	3.33	2.76	6.09
Pentachlorodibenzo-p-dioxin homologs	field	29	28	96.55172	0.165	2.53	1.39	1.36	2.32	0.165	2.53	1.41	1.36	2.32
Heptachlorodibenzo-p-dioxin homologs	field	29	29	100	3.93	34.1	10.1	7.43	18.8	3.93	34.1	10.1	7.43	18.8
Heptachlorodibenzofuran homologs	field	29	29	100	1.09	10.1	2.99	1.71	7.77	1.09	10.1	2.99	1.71	7.77
Octachlorodibenzofuran	field	29	22	75.86207	0.746 JT	8.46 J	2.32	1.52 J	4.05	0.55 U	8.46 J	1.96	1.17 J	4.05
Tetrachlorodibenzo-p-dioxin homologs	field	29	29	100	4.09	13.6	7.1	6.24	11	4.09	13.6	7.1	6.24	11
Hexachlorodibenzofuran homologs	field	29	29	100	1.43 T	26.9	4.49	2.82	7.94	1.43 T	26.9	4.49	2.82	7.94
Tetrachlorodibenzofuran homologs	lab	35	35	100	0.888	397	13.7	1.87	5.83	0.888	397	13.7	1.87	5.83
Pentachlorodibenzofuran homologs	lab	35	34	97.14286	0.154	128	5.72	0.839	6.81	0.132 U	128	5.56	0.839	6.81
Octachlorodibenzo-p-dioxin	lab	35	35	100	2.12 J	53.5	11	5.66	39.4	2.12 J	53.5	11	5.66	39.4
Hexachlorodibenzo-p-dioxin homologs	lab	35	33	94.28571	0.063	15.6	1.28	0.365	3.52	0.063	15.6	1.22	0.355	3.52
Pentachlorodibenzo-p-dioxin homologs	lab	35	24	68.57143	0.051	30.9	1.49	0.138	0.607	0.051	30.9	1.06	0.117 U	0.607
Heptachlorodibenzo-p-dioxin homologs	lab	35	35	100	0.278	25.9	3.4	1.46	13.6	0.278	25.9	3.4	1.46	13.6
Heptachlorodibenzofuran homologs	lab	35	30	85.71429	0.16	8.5	1.23	0.457	3.38	0.127 U	8.5	1.08	0.432	3.38
Octachlorodibenzofuran	lab	35	22	62.85714	0.09 J	4.84	0.883	0.419 J	2.12 J	0.09 J	4.84	0.659	0.313 U	2.12 J
Tetrachlorodibenzo-p-dioxin homologs	lab	35	32	91.42857	0.342	48.2	2.33	0.728	2.12	0.0495 U	48.2	2.14	0.652	2.12
Hexachlorodibenzofuran homologs	lab	35	35	100	0.12	23.3	2.35	0.711	6.97	0.12	23.3	2.35	0.711	6.97
Aroclors														
Aroclor 1260	field	31	31	100	9230 NJ	861000 NJ	61200	23400 NJ	112000 NJ	9230 NJ	861000 NJ	61200	23400 NJ	112000 NJ
Aroclor 1254	field	31	31	100	16900 NJ	595000 NJ	87100	46900 NJ	177000 NJ	16900 NJ	595000 NJ	87100	46900 NJ	177000 NJ
Aroclor 1221	field	31	0	0						0.283 U	23.6 U	1.43	0.608 U	1.79 U
Aroclor 1232	field	31	0	0						0.206 UT	18.8 U	1.13	0.425 U	1.13 U
Aroclor 1248	field	31	0	0						1.51 U	395 U	31.3	8.88 U	66.7 U
Aroclor 1016	field	31	0	0						0.666 U	45.4 U	3.67	1.19 U	13.2 U
Aroclors	field	31	31	100	30200 JT	1470000 JT	164000	77000 JT	299000 JT	30200 JT	1470000 JT	164000	77000 JT	299000 JT
Aroclor 1242	field	31	31	100	2340 NJ	102000 NJ	15200	6530 NJ	61700 NJT	2340 NJ	102000 NJ	15200	6530 NJ	61700 NJT
Aroclor 1260	lab	35	35	100	2790 NJ	15400 NJ	4790	3660 NJ	8610 NJ	2790 NJ	15400 NJ	4790	3660 NJ	8610 NJ
Aroclor 1254	lab	35	33	94.28571	5480 NJ	32200 NJ	11300	8450 NJ	29400 NJ	6.2 U	32200 NJ	10700	8270 NJ	29400 NJ
Aroclor 1221	lab	35	0	0						0.262 U	1.88 U	0.588	0.484 U	1.03 U
Aroclor 1232	lab	35	0	0						0.232 U	1.35 U	0.49	0.399 U	0.946 U
Aroclor 1248	lab	35	2	5.714286	118000 NJ	121000 NJ	120000	118000 NJ	118000 NJ	1.31 U	121000 NJ	6830	3.84 U	31.5 U
Aroclor 1016	lab	35	0	0						0.505 U	17.5 U	1.73	1.02 U	3.63 U
Aroclor 1242	lab	35	33	94.28571	6880 NJ	23400 NJ	11700	10100 NJ	20900 NJ	6.67 U	23400 NJ	11100	9830 NJ	20900 NJ
PCB Congeners														
PCB004	field	28	28	100	189 J	47000 J	2890	598	8060 JT	189 J	47000 J	2890	598	8060 JT
Polychlorinated biphenyls	field	31	31	100	50100	2660000	256000	111000	459000	50100	2660000	256000	111000	459000
PCB054	field	31	31	100	30.4	8720	367	55.7	365 JT	30.4	8720	367	55.7	365 JT
PCB005	field	31	26	83.87097	0.675	36.9 J	5.95	1.9 J	21.6	0.675	36.9 J	5.74	1.82	21.6
PCB031	field	31	31	100	207 JT	9640	1400	497	6110 T	207 JT	9640	1400	497	6110 T
PCB011	field	31	31	100	148 J	760	387	356 J	587	148 J	760	387	356 J	587
PCB015	field	31	31	100	21.7 T	1040	179	64.6 J	671 J	21.7 T	1040	179	64.6 J	671 J
PCB209	field	31	31	100	21.9	534	64.8	47.8	85.2	21.9	534	64.8	47.8	85.2
PCB001	field	26	26	100	2.25	91.6	15.5	7.61	43.6 J	2.25	91.6	15.5	7.61	43.6 J
PCB002	field	28	27	96.42857	1.15 J	6.62 J	2.46	2.18	4.38	1.15 J	6.62 J	2.43	2.14	4.38

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations Minimum	Maximum	Mean	Median	95th	Detected and Nondetected Concentrations Minimum	Maximum	Mean	Median	95th
PCB003	field	28	21	75	1.3	41.4 J	5.65	3.08	11	1.27 U	41.4 J	4.72	2.22 U	11
PCB202	field	31	31	100	151	8040	680	311	887	151	8040	680	311	887
PCB006	field	31	31	100	14.3	698 J	128	48.8 J	451 J	14.3	698 J	128	48.8 J	451 J
PCB118	field	31	31	100	1900	32700 T	7530	4660	18900	1900	32700 T	7530	4660	18900
PCB066	field	31	31	100	629 T	17400	3060	1830	7720 T	629 T	17400	3060	1830	7720 T
PCB077	field	31	31	100	56 JT	1270	225	142	609 T	56 JT	1270	225	142	609 T
PCB105	field	31	31	100	506	7190 T	1720	1270	4980	506	7190 T	1720	1270	4980
PCB169	field	31	1	3.225806	3.57	3.57	3.57	3.57	3.57	2.18 U	230 U	15.6	5.1 U	25.7 U
PCB060	field	31	31	100	99.1 T	3130	523	283 J	1510	99.1 T	3130	523	283 J	1510
PCB010	field	31	31	100	0.939 J	709 J	34.4	6	39.3 J	0.939 J	709 J	34.4	6	39.3 J
PCB007	field	31	30	96.77419	0.854 J	51.5 J	7.83	2.73	20.2	0.854 J	51.5 J	7.6	2.73	20.2
PCB080	field	31	4	12.90323	0.693	1.46 T	0.974	0.694	1.05	0.693	35 UJ	3.23	2.13 U	3.36 U
PCB155	field	31	31	100	4.04	477	23.6	6.81	23.3	4.04	477	23.6	6.81	23.3
PCB009	field	31	31	100	1.04 J	83.5 J	12.6	3.48 JT	47.3 J	1.04 J	83.5 J	12.6	3.48 JT	47.3 J
PCB014	field	31	0	0						0.688 U	18.4 UJ	1.39	0.75 UJ	1.43 UJ
PCB008	field	31	31	100	27.8 J	1900 J	321	105 J	1210 T	27.8 J	1900 J	321	105 J	1210 T
PCB170	field	31	31	100	151	18400	1310	427	2560	151	18400	1310	427	2560
PCB052	field	31	31	100	836	19800	4050	2060	14000 T	836	19800	4050	2060	14000 T
PCB133	field	31	31	100	107	6580	508	204	943	107	6580	508	204	943
PCB137	field	31	30	96.77419	40.8	1220	196	116	304	40.8	1220	192	116	304
PCB194	field	31	31	100	20.1	2490	177	63.2	323	20.1	2490	177	63.2	323
PCB042	field	31	31	100	354	7610	1690	855	4980 T	354	7610	1690	855	4980 T
PCB017	field	31	31	100	128 J	20400	1640	552	2650	128 J	20400	1640	552	2650
PCB034	field	31	31	100	1.28	57.2	7.83	3.9	23.9 T	1.28	57.2	7.83	3.9	23.9 T
PCB035	field	31	31	100	7.59 T	150	27.1	13.6	99.7	7.59 T	150	27.1	13.6	99.7
PCB132	field	31	31	100	725	29700	3530	1630	7860	725	29700	3530	1630	7860
PCB136	field	31	31	100	416	22200	2000	850	4770	416	22200	2000	850	4770
PCB174	field	31	31	100	223	17700	1440	533	2980	223	17700	1440	533	2980
PCB019	field	30	30	100	192 J	57300	2570	447	1580 J	192 J	57300	2570	447	1580 J
PCB027	field	31	31	100	51 J	22100	1050	227	1040 T	51 J	22100	1050	227	1040 T
PCB032	field	31	31	100	42.3 J	2620	449	176 J	1450 T	42.3 J	2620	449	176 J	1450 T
PCB016	field	31	31	100	85.8 J	5570	677	267 J	2270	85.8 J	5570	677	267 J	2270
PCB022	field	31	31	100	133 J	6490	862	380	2960 T	133 J	6490	862	380	2960 T
PCB036	field	31	26	83.87097	1.24	5.41 J	2.62	2.41	3.79 J	0.827 U	11.7 UJ	2.86	2.48	3.83
PCB039	field	31	31	100	4.82 T	149	24.1	13.7	71.2	4.82 T	149	24.1	13.7	71.2
PCB037	field	31	31	100	67.6 T	2500	437	176	1840 T	67.6 T	2500	437	176	1840 T
PCB189	field	31	31	100	5.05	736	47.5	14.5	89.8	5.05	736	47.5	14.5	89.8
PCB111	field	31	31	100	4.69	357	26.3	11.1	45.6	4.69	357	26.3	11.1	45.6
PCB127	field	31	25	80.64516	1.7	56.5	8.04	4.99	9.8	1.7	56.5	7.21	4.96	9.8
PCB162	field	31	29	93.54839	5.57	75.1 T	18.6	13.4	37.5	5.57	75.1 T	20.7	13.6	46.3 U
PCB159	field	31	30	96.77419	10.5	965	71.9	24	135	10.5	965	70.2	24	135
PCB175	field	31	31	100	45.6	4970	311	99.5	529	45.6	4970	311	99.5	529
PCB201	field	31	31	100	64.2	7300	436	143	571	64.2	7300	436	143	571
PCB206	field	31	31	100	34	1660	169	79.7	298	34	1660	169	79.7	298
PCB142	field	31	7	22.58065	0.711	5.67	2.3	1.51	4.51 JT	0.592 U	77.6 U	7.51	2.26 U	26.6 U
PCB190	field	31	31	100	155	18500	1140	367	1830	155	18500	1140	367	1830
PCB072	field	31	31	100	14.1	373	60.6	32.9	129	14.1	373	60.6	32.9	129
PCB056	field	31	31	100	232 T	7700	1290	746 J	3260 T	232 T	7700	1290	746 J	3260 T
PCB046	field	31	31	100	19.8	968	131	62.3 J	414	19.8	968	131	62.3 J	414
PCB079	field	31	31	100	26.7	512	119	74.3 J	308	26.7	512	119	74.3 J	308
PCB058	field	31	17	54.83871	2.77	44.3	12.3	8.05	39.8 T	1.58 U	44.3	8.62	4.55	27.3 UJ
PCB196	field	31	31	100	54.7	6870	427	124	690	54.7	6870	427	124	690
PCB146	field	31	31	100	817	43300	4050	1700	9350	817	43300	4050	1700	9350
PCB064	field	31	31	100	194 T	5470	1080	596	4020	194 T	5470	1080	596	4020
PCB084	field	31	31	100	251	5610	1170	728	2680	251	5610	1170	728	2680

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB092	field	31	31	100	385	23500	2300	1050	4880	385	23500	2300	1050	4880
PCB082	field	31	31	100	108	1930 T	446	304	1360	108	1930 T	446	304	1360
PCB179	field	31	31	100	515	41900	2970	1050	5490	515	41900	2970	1050	5490
PCB176	field	31	31	100	144	12300	869	301	1640	144	12300	869	301	1640
PCB130	field	31	31	100	187	6170	769	386	1720	187	6170	769	386	1720
PCB178	field	31	31	100	367	25900	1840	700	3250	367	25900	1840	700	3250
PCB187	field	31	31	100	1840	105000	8700	4040	13800	1840	105000	8700	4040	13800
PCB177	field	31	31	100	543	52400	3570	1250	5950	543	52400	3570	1250	5950
PCB167	field	31	31	100	220	9090	903	481	1250	220	9090	903	481	1250
PCB172	field	31	31	100	19.2	2420	173	55.3	315	19.2	2420	173	55.3	315
PCB203	field	31	31	100	237	20000	1380	533	1990	237	20000	1380	533	1990
PCB208	field	31	31	100	15.6	400	70.1	41.3	128 T	15.6	400	70.1	41.3	128 T
PCB195	field	31	31	100	89	10100	617	201	895	89	10100	617	201	895
PCB207	field	31	31	100	7.06	396	34.5	16.6	58.5	7.06	396	34.5	16.6	58.5
PCB141	field	31	31	100	108	7570	682	256	1390	108	7570	682	256	1390
PCB038	field	31	27	87.09677	1.06 T	110	8.34	2.82	15	0.561 U	110	7.54	2.82	15
PCB024	field	31	14	45.16129	1.53	47.8	12.1	5.19	44.5 JT	0.688 U	47.8	5.88	0.775 U	16 J
PCB025	field	31	31	100	41.1 J	2610	269	114	699	41.1 J	2610	269	114	699
PCB023	field	31	18	58.06452	0.234 J	9.85	2.35	1.04	8.21	0.221 UJ	13 UJ	2.06	0.811 U	8.21
PCB104	field	31	31	100	11	2330	101	21.1	81.8	11	2330	101	21.1	81.8
PCB121	field	31	31	100	9.08	879	46.8	13.9	64.4	9.08	879	46.8	13.9	64.4
PCB126	field	31	30	96.77419	4.04	38.9 T	12.5	9.99	26.8	4.04	77.7 U	14.6	10.9	27
PCB103	field	31	31	100	85.1	6500	441	162	753	85.1	6500	441	162	753
PCB182	field	31	29	93.54839	3.95	268	21.5	7.87	44.8	2.45 U	268	20.3	7.84	44.8
PCB131	field	31	31	100	30.3	1140	150	74	288	30.3	1140	150	74	288
PCB123	field	31	31	100	31.8	519	137	88.5	326	31.8	519	137	88.5	326
PCB150	field	31	31	100	26.2	1310	108	39.1	326	26.2	1310	108	39.1	326
PCB152	field	31	31	100	7.79	1390	72.4	18.4	103	7.79	1390	72.4	18.4	103
PCB120	field	31	31	100	16.5	854	91.4	43.9	192	16.5	854	91.4	43.9	192
PCB144	field	31	31	100	149	10100	854	335	1720	149	10100	854	335	1720
PCB043	field	31	31	100	12.5 JT	1090	127	55	387	12.5 JT	1090	127	55	387
PCB048	field	31	31	100	152	4700	741	403	2390 T	152	4700	741	403	2390 T
PCB078	field	31	0	0						1.14 U	20.2 UJ	2.43	1.36 UJ	3.86 U
PCB081	field	31	23	74.19355	2.76	49.8	10.4	6.51	20.5 T	1.53 UT	49.8	9.23	6 U	20.5 T
PCB057	field	31	31	100	2.97	553	34.1	10	62.5	2.97	553	34.1	10	62.5
PCB106	field	31	1	3.225806	88	88	88	88	88	0.683 U	88	5.29	2.11 U	4.87 U
PCB068	field	31	31	100	14	1220	87.3	35.4 JT	113 J	14	1220	87.3	35.4 JT	113 J
PCB067	field	31	31	100	32.1	879	152	81.1	435 T	32.1	879	152	81.1	435 T
PCB096	field	31	31	100	18.7	1930	128	42	254	18.7	1930	128	42	254
PCB094	field	31	31	100	28	6640	314	74.9	248	28	6640	314	74.9	248
PCB089	field	31	31	100	11.1	204	51.4	35.3	167 T	11.1	204	51.4	35.3	167 T
PCB073	field	31	22	70.96774	10.1 J	1970	126	20.5	127 J	1.63 U	1970	89.6	15.7	127 J
PCB055	field	31	21	67.74194	8.32	110	31.7	17.7	93.3	1.86 U	110	22.2	14	93.3
PCB063	field	31	31	100	27.3 JT	733	136	82	366 T	27.3 JT	733	136	82	366 T
PCB109	field	31	31	100	119	1730 T	490	334	1120	119	1730 T	490	334	1120
PCB112	field	31	1	3.225806	4750	4750	4750	4750	4750	0.598 U	4750	155	0.812 U	4 U
PCB114	field	31	31	100	27.9	383 T	100	69.1	333	27.9	383 T	100	69.1	333
PCB145	field	31	26	83.87097	0.755	61.6	4.6	1.64	5.62	0.755	61.6	4.76	1.71	7.67 T
PCB148	field	31	31	100	31.2	2220	156	58.9	333	31.2	2220	156	58.9	333
PCB158	field	31	31	100	316	15200	1460	653	3110 T	316	15200	1460	653	3110 T
PCB161	field	31	0	0						0.633 U	55.4 U	5.07	1.21 U	19 U
PCB164	field	31	31	100	148	8550	810	325	1720	148	8550	810	325	1720
PCB165	field	31	31	100	9.9	766	46	15.6	79.6	9.9	766	46	15.6	79.6
PCB181	field	31	31	100	3.86	475	33.8	14.3	45.1	3.86	475	33.8	14.3	45.1
PCB184	field	31	30	96.77419	2.88	59.4	6.42	4.09	8.98	2.88	59.4	6.35	4.16 U	8.98

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB186	field	31	5	16.12903	0.172 J	1.28	0.533	0.313 J	0.677 T	0.157 U	10.7 U	0.995	0.648 U	1.28
PCB191	field	31	31	100	22	3060	186	55	320	22	3060	186	55	320
PCB192	field	31	0	0						1.4 U	24.8 U	2.31	1.5 UT	1.92 U
PCB204	field	31	21	67.74194	0.228 J	5.92	0.747	0.422 J	0.84	0.177 U	30 U	1.6	0.419 J	1.56
PCB205	field	31	31	100	13.5	1710	98.3	29.8	129	13.5	1710	98.3	29.8	129
PCB188	field	31	31	100	7.23	433	30.9	11.9	57.8	7.23	433	30.9	11.9	57.8
PCB122	field	31	31	100	14.4	231 T	55	36.9	161	14.4	231 T	55	36.9	161
PCB012 & 013	field	31	31	100	6.44	492 J	47.3	18.2	118 T	6.44	492 J	47.3	18.2	118 T
PCB018 & 030	field	31	31	100	183 J	11900	1540	644	4580	183 J	11900	1540	644	4580
PCB020 & 028	field	31	31	100	285 JT	11200	1810	750	7810 T	285 JT	11200	1810	750	7810 T
PCB021 & 033	field	31	31	100	116 J	5450	837	314	3420 T	116 J	5450	837	314	3420 T
PCB026 & 029	field	31	31	100	55.3 J	1840	340	141 J	1370 T	55.3 J	1840	340	141 J	1370 T
PCB040 & 041 & 071	field	31	31	100	420	11200	2020	1020	5690 T	420	11200	2020	1020	5690 T
PCB044 & 047 & 065	field	31	31	100	1500	90400	8830	3830	21100	1500	90400	8830	3830	21100
PCB045 & 051	field	31	31	100	186	38300	2120	594	2730	186	38300	2120	594	2730
PCB049 & 069	field	31	31	100	552	25100	3080	1490 JT	6450 T	552	25100	3080	1490 JT	6450 T
PCB050 & 053	field	31	31	100	355 J	56700	3040	917	2880	355 J	56700	3040	917	2880
PCB059 & 062 & 075	field	31	31	100	90.7	6900	589	221	1460 T	90.7	6900	589	221	1460 T
PCB061 & 070 & 074 & 076	field	31	31	100	1070 T	29000	4920	3120 J	16300 T	1070 T	29000	4920	3120 J	16300 T
PCB083 & 099	field	31	31	100	1070	53800	6020	3000	10300	1070	53800	6020	3000	10300
PCB085 & 116 & 117	field	31	31	100	234	3380 T	963	649	2800	234	3380 T	963	649	2800
PCB086 & 087 & 097 & 108 & 119 & 125	field	31	31	100	1040	20500	4860	2890	12700	1040	20500	4860	2890	12700
PCB088 & 091	field	31	31	100	291	13700	1570	760	3150	291	13700	1570	760	3150
PCB090 & 101 & 113	field	31	31	100	1800	73300	9820	5050	18000	1800	73300	9820	5050	18000
PCB093 & 095 & 098 & 100 & 102	field	31	31	100	2030	122000	11000	4460	17600	2030	122000	11000	4460	17600
PCB107 & 124	field	31	31	100	47.9	898 T	189	126	463	47.9	898 T	189	126	463
PCB110 & 115	field	31	31	100	1550	28200 T	6570	4250	13500	1550	28200 T	6570	4250	13500
PCB128 & 166	field	31	31	100	291	7440	1140	695	1980	291	7440	1140	695	1980
PCB129 & 138 & 160 & 163	field	31	31	100	3870	226000	18900	7500	33300 T	3870	226000	18900	7500	33300 T
PCB134 & 143	field	31	31	100	160	11200	890	372	1640	160	11200	890	372	1640
PCB135 & 151 & 154	field	31	31	100	1620	110000	9360	3300	23700	1620	110000	9360	3300	23700
PCB139 & 140	field	31	31	100	45.9	1460	207	108	458	45.9	1460	207	108	458
PCB147 & 149	field	31	31	100	2860	179000	16000	6240	39300	2860	179000	16000	6240	39300
PCB153 & 168	field	31	31	100	7580	561000	38700	15000	57100	7580	561000	38700	15000	57100
PCB156 & 157	field	31	31	100	154	9210	894	432	1390	154	9210	894	432	1390
PCB171 & 173	field	31	31	100	241	26200	1730	569	3170	241	26200	1730	569	3170
PCB180 & 193	field	31	31	100	1030	89400	6550	2790	11600	1030	89400	6550	2790	11600
PCB183 & 185	field	31	31	100	667	64400	4390	1470	8250	667	64400	4390	1470	8250
PCB197 & 200	field	31	31	100	33.9	4130	254	78	369	33.9	4130	254	78	369
PCB198 & 199	field	31	31	100	114	10100	738	260	1120	114	10100	738	260	1120
PCB004	lab	35	35	100	577	3050	1040	848	2140 J	577	3050	1040	848	2140 J
Polychlorinated biphenyls	lab	35	35	100	19100	189000	43100	28000	81800	19100	189000	43100	28000	81800
PCB054	lab	35	34	97.14286	1.45	1170	45.3	4.9	31.7	1.45	1170	44.1	4.9	31.7
PCB005	lab	35	35	100	23.6	81.5	39.2	35.8	67.9	23.6	81.5	39.2	35.8	67.9
PCB031	lab	35	35	100	346	10800	1200	538	1410	346	10800	1200	538	1410
PCB011	lab	35	35	100	202	658	332	284	605	202	658	332	284	605
PCB015	lab	35	35	100	291	2150	566	411	1030	291	2150	566	411	1030
PCB209	lab	35	35	100	56.1	185	91.8	77.8	164	56.1	185	91.8	77.8	164
PCB001	lab	33	33	100	66.3	485 J	167	144	303	66.3	485 J	167	144	303
PCB002	lab	34	34	100	4.59	26	12.4	10.9	24	4.59	26	12.4	10.9	24
PCB003	lab	34	34	100	22.3	156	54.5	45	107	22.3	156	54.5	45	107
PCB202	lab	35	35	100	58.3	221	108	90.6	195	58.3	221	108	90.6	195
PCB006	lab	35	35	100	217	965	349	309	536	217	965	349	309	536
PCB118	lab	35	35	100	1470	5250	2340	1900	4750	1470	5250	2340	1900	4750
PCB066	lab	35	35	100	169	7160	810	270	3300	169	7160	810	270	3300

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB077	lab	35	35	100	19.6	497	67.4	29.9	224	19.6	497	67.4	29.9	224
PCB105	lab	35	35	100	227	1960	488	311	1140	227	1960	488	311	1140
PCB169	lab	35	1	2.857143	1.55	1.55	1.55	1.55	1.55	0.514 U	6.84 U	1.59	1.46 U	2.71 U
PCB060	lab	35	35	100	28.6	2800	198	46.7	743	28.6	2800	198	46.7	743
PCB010	lab	35	35	100	15.5 J	169	33.6	27.8 J	47.6	15.5 J	169	33.6	27.8 J	47.6
PCB007	lab	35	35	100	35.9	186 J	73.4	65.3	136 J	35.9	186 J	73.4	65.3	136 J
PCB080	lab	35	0	0						0.752 U	16.7 U	2.64	2.11 U	3.36 U
PCB155	lab	35	31	88.57143	0.596	6.47	1.39	1.03	2.46	0.596	6.47	1.42	0.957	2.98
PCB009	lab	35	35	100	48 J	215 J	94.3	82.6	192	48 J	215 J	94.3	82.6	192
PCB014	lab	35	2	5.714286	0.345 J	0.589	0.467	0.345 J	0.345 J	0.345 J	5.93 U	0.918	0.747 U	0.919 U
PCB008	lab	35	35	100	1010	5540 J	1960	1530	3930	1010	5540 J	1960	1530	3930
PCB170	lab	35	35	100	23.7	485	88.6	46.9	219	23.7	485	88.6	46.9	219
PCB052	lab	35	35	100	205	8390	1010	371	3900	205	8390	1010	371	3900
PCB133	lab	35	35	100	11.6	119	36.3	23.6	75.9	11.6	119	36.3	23.6	75.9
PCB137	lab	35	34	97.14286	37.9	119	62.9	54.5	109	37.9	119	62.4	54.5	109
PCB194	lab	35	35	100	4.04	77.7	13.9	7.66	28.9	4.04	77.7	13.9	7.66	28.9
PCB042	lab	35	35	100	128	2330	337	194	1020	128	2330	337	194	1020
PCB017	lab	35	35	100	243	4880	607	359	1400	243	4880	607	359	1400
PCB034	lab	35	34	97.14286	1.31	58.5	5.09	2.18	7.78	1.31	58.5	5	2.18	7.78
PCB035	lab	35	34	97.14286	6.44	94.3	13	9.13	20.8	6.44	94.3	13.9	9.29	21.5
PCB132	lab	35	35	100	73.8	998	305	197	845	73.8	998	305	197	845
PCB136	lab	35	35	100	21.9	634	121	80.3	428	21.9	634	121	80.3	428
PCB174	lab	35	35	100	21.4	706	112	63.4	286	21.4	706	112	63.4	286
PCB019	lab	35	35	100	76.3	5630	333	110 J	851	76.3	5630	333	110 J	851
PCB027	lab	35	35	100	39.2	835	106	55.3	157	39.2	835	106	55.3	157
PCB032	lab	35	35	100	114	2840	327	178	595	114	2840	327	178	595
PCB016	lab	35	35	100	208	4280	440	290	514	208	4280	440	290	514
PCB022	lab	35	35	100	184	4000	469	253	630	184	4000	469	253	630
PCB036	lab	35	30	85.71429	1.03	3.9	2.1	1.81	3.26	1.01 U	3.9	2.02	1.78 U	3.26
PCB039	lab	35	26	74.28571	1.78	78.8	8.59	2.8	7.11	0.549 U	78.8	6.64	2.59	7.11
PCB037	lab	35	35	100	41.8	2210	181	66.2	371	41.8	2210	181	66.2	371
PCB189	lab	35	27	77.14286	0.918	14.9	3.51	1.89	6.97	0.916 U	14.9	3.06	1.8	6.97
PCB111	lab	35	25	71.42857	0.445 J	5.99	1.68	1.34	2.78	0.363 U	5.99	1.38	0.788	2.78
PCB127	lab	35	15	42.85714	1.51	4.25	2.24	1.88	3.83	1.33 U	7.19 U	2.34	1.91	3.83
PCB162	lab	35	34	97.14286	2.52	12	5.11	3.97	10.1	2.52	12	5.07	3.97	10.1
PCB159	lab	35	24	68.57143	0.602	31.7	5.97	2.43	13.2	0.602	31.7	5.06	2.71	13.2
PCB175	lab	35	35	100	4.8	58.3	13.9	8.54	35.7	4.8	58.3	13.9	8.54	35.7
PCB201	lab	35	35	100	13.5	71.6	30.5	23.8	64.8	13.5	71.6	30.5	23.8	64.8
PCB206	lab	35	35	100	50.3	166	83.3	72.6	151	50.3	166	83.3	72.6	151
PCB142	lab	35	1	2.857143	1.28	1.28	1.28	1.28	1.28	0.571 U	4.73 U	1.2	0.866 U	3.09 U
PCB190	lab	35	35	100	47	255	85.8	60.2	179	47	255	85.8	60.2	179
PCB072	lab	35	34	97.14286	1.74	44.6	9.25	4.97	31.6	1.74	44.6	9.04	4.97	31.6
PCB056	lab	35	35	100	69.4	3700	354	108	1330	69.4	3700	354	108	1330
PCB046	lab	35	35	100	8.26	695	65.5	17.1	222	8.26	695	65.5	17.1	222
PCB079	lab	35	35	100	14.3	76.1	24.7	20.6	42.4	14.3	76.1	24.7	20.6	42.4
PCB058	lab	35	21	60	0.478 J	17.3	3.78	1.58 J	9.01	0.351 U	17.3	2.78	1.58 J	9.01
PCB196	lab	35	35	100	12.5	138	32.3	19.2	68	12.5	138	32.3	19.2	68
PCB146	lab	35	35	100	183	988	387	300	736	183	988	387	300	736
PCB064	lab	35	35	100	59.8	4420	424	110	1950	59.8	4420	424	110	1950
PCB084	lab	35	35	100	33.7	1430	215	86.3	792	33.7	1430	215	86.3	792
PCB092	lab	35	35	100	63.9	696	213	134	683	63.9	696	213	134	683
PCB082	lab	35	35	100	14.9	697	84.7	29.9	355	14.9	697	84.7	29.9	355
PCB179	lab	35	35	100	38.7	646	143	80.9	413	38.7	646	143	80.9	413
PCB176	lab	35	35	100	10.7	172	38	21.2	111	10.7	172	38	21.2	111
PCB130	lab	35	35	100	48.7	303	111	84.4	218	48.7	303	111	84.4	218

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

					Detected Concentrations					Detected and Nondetected Concentrations				
Analyte	Field/ Lab	N	N Detected	% Detected	Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB178	lab	35	35	100	45.4	385	113	78.8	284	45.4	385	113	78.8	284
PCB187	lab	35	35	100	274	2040	654	477	1630	274	2040	654	477	1630
PCB177	lab	35	35	100	77.4	892	232	147	601	77.4	892	232	147	601
PCB167	lab	35	35	100	172	333	218	207	306	172	333	218	207	306
PCB172	lab	35	35	100	2.87	75.6	13.1	7.09	31.9	2.87	75.6	13.1	7.09	31.9
PCB203	lab	35	35	100	108	320	163	138	283	108	320	163	138	283
PCB208	lab	35	35	100	35.8	115	56.5	48.6	103	35.8	115	56.5	48.6	103
PCB195	lab	35	35	100	15.7	168	42.8	28	93.1	15.7	168	42.8	28	93.1
PCB207	lab	35	35	100	8.08	25	13	11.6	23.7	8.08	25	13	11.6	23.7
PCB141	lab	35	35	100	26.8	466	80.5	49.3	161	26.8	466	80.5	49.3	161
PCB038	lab	35	5	14.28571	0.287 J	4.74	2.49	2.67	4.31	0.201 U	4.74	0.988	0.57 U	4.31
PCB024	lab	35	35	100	5.29	106	12.8	9.19	21.8	5.29	106	12.8	9.19	21.8
PCB025	lab	35	35	100	34.1	811	97	54.2	166	34.1	811	97	54.2	166
PCB023	lab	35	32	91.42857	0.618	10.7	1.61	0.97	2.4	0.618	10.7	1.55	0.929 U	2.4
PCB104	lab	35	29	82.85714	0.177 J	97.8	4.55	0.612	5.2	0.177 J	97.8	3.85	0.575 J	5.2
PCB121	lab	35	22	62.85714	0.255 J	18.4	1.94	0.79	3.51	0.209 U	18.4	1.45	0.605	3.51
PCB126	lab	35	29	82.85714	1.95	12.6	4.25	3.15	8.47	1.95	12.6	4	3.01	8.47
PCB103	lab	35	35	100	2.57	244	22.6	7.98	80.3	2.57	244	22.6	7.98	80.3
PCB182	lab	35	25	71.42857	0.759 J	5.87	2.3	1.94	5.44	0.759 J	20.2 U	2.66	1.94	5.44
PCB131	lab	35	35	100	4.53	40.3	14.6	9.9	37.1	4.53	40.3	14.6	9.9	37.1
PCB123	lab	35	35	100	29.6	116	47.9	39.7	90.7	29.6	116	47.9	39.7	90.7
PCB150	lab	35	34	97.14286	0.501 J	28	4.34	1.79	19.5	0.501 J	28	4.25	1.79	19.5
PCB152	lab	35	32	91.42857	0.295 J	38	2.69	0.81 J	6.21	0.295 J	38	2.51	0.81 J	6.21
PCB120	lab	35	35	100	3.87	29.4	8.5	6.2	15.9	3.87	29.4	8.5	6.2	15.9
PCB144	lab	35	35	100	11.5	219	49.7	30.6	137	11.5	219	49.7	30.6	137
PCB043	lab	35	35	100	6.21	404	41.4	10.9	143	6.21	404	41.4	10.9	143
PCB048	lab	35	35	100	53.7	2210	227	84	568	53.7	2210	227	84	568
PCB078	lab	35	0	0						1.14 U	9.65 U	1.69	1.21 U	3.6 U
PCB081	lab	35	18	51.42857	0.745	23	3.77	1.11	16.3	0.691 U	23	2.91	1.37	8.01
PCB057	lab	35	26	74.28571	0.575 J	33.5	4.82	1.17 J	23.6	0.575 J	33.5	4.07	1.53	23.6
PCB106	lab	35	0	0						0.701 U	5.76 U	1.79	1.61 U	3.59 U
PCB068	lab	35	33	94.28571	1.78	49.5	8.3	3.99	26.1	1.78	49.5	8	3.96	26.1
PCB067	lab	35	35	100	6.47	206	25.2	9.91	67.1	6.47	206	25.2	9.91	67.1
PCB096	lab	35	34	97.14286	1.24	131	14	3.19	55.1	1.24	131	13.6	3.22 U	55.1
PCB094	lab	35	34	97.14286	1.29	303	17.4	3.53	33	1.29	303	16.9	3.53	33
PCB089	lab	35	35	100	1.44	150	13.2	3.69	64.6	1.44	150	13.2	3.69	64.6
PCB073	lab	35	9	25.71429	1.66	191	27	3.99	21.6	1.55 U	191	8.56	1.66 U	13.1 U
PCB055	lab	35	11	31.42857	2.34	111	23.3	6.28	99.4	1.82 U	111	8.79	1.94 U	8.94
PCB063	lab	35	35	100	6.27	396	36.1	12.4	120	6.27	396	36.1	12.4	120
PCB109	lab	35	35	100	40	327	100	70.8	264	40	327	100	70.8	264
PCB112	lab	35	1	2.857143	110	110	110	110	110	0.598 U	110	3.91	0.635 U	1.57 U
PCB114	lab	35	35	100	13.1	145	28.6	18.1	64.6	13.1	145	28.6	18.1	64.6
PCB145	lab	35	16	45.71429	0.093 J	1.71	0.495	0.354 J	1.12	0.085 U	1.71	0.403	0.206 J	1.08 U
PCB148	lab	35	33	94.28571	0.9	30.6	5.3	2.51	17.2	0.853 U	30.6	5.08	2.31	17.2
PCB158	lab	35	35	100	86.4	426	185	145	387	86.4	426	185	145	387
PCB161	lab	35	0	0						0.645 U	5.34 U	1.02	0.678 U	2.24 U
PCB164	lab	35	35	100	29.4	299	82.3	54.5	204	29.4	299	82.3	54.5	204
PCB165	lab	35	13	37.14286	0.515 J	9.7	2.74	1.79	5.03	0.416 U	9.7	1.64	0.886 U	4.84
PCB181	lab	35	34	97.14286	2.01	12.3	4.11	3.17	7.66	2.01	12.3	4.09	3.17	7.66
PCB184	lab	35	28	80	0.595	3.26	1.34	1.01	2.62	0.543 U	3.26	1.24	0.97	2.62
PCB186	lab	35	1	2.857143	0.134 J	0.134 J	0.134	0.134 J	0.134 J	0.052 U	5.1 U	0.765	0.64 U	0.789 U
PCB191	lab	35	35	100	4.35	50.3	10.9	7.07	23.4	4.35	50.3	10.9	7.07	23.4
PCB192	lab	35	0	0						1.4 U	11.9 U	1.85	1.49 U	1.84 U
PCB204	lab	35	16	45.71429	0.104 J	0.494 J	0.228	0.199 J	0.394 J	0.097 U	14.3 U	0.729	0.193 J	0.494 J
PCB205	lab	35	35	100	3.2	23.6	7.12	4.93	14.5	3.2	23.6	7.12	4.93	14.5

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB188	lab	35	24	68.57143	0.602	4.74	1.81	1.22	4.31	0.594 U	4.74	1.49	1.05	4.31
PCB122	lab	35	30	85.71429	5.17	63.5	13.3	8.03	39.8	4.9 U	63.5	12.2	7.79	39.8
PCB012 & 013	lab	35	35	100	43.1	220	86.5	66.7 J	170	43.1	220	86.5	66.7 J	170
PCB018 & 030	lab	35	35	100	381	9830	995	623	1200	381	9830	995	623	1200
PCB020 & 028	lab	35	35	100	459	12500	1390	702	2270	459	12500	1390	702	2270
PCB021 & 033	lab	35	35	100	234	6240	639	325	767	234	6240	639	325	767
PCB026 & 029	lab	35	35	100	71.9	1670	183	101	243	71.9	1670	183	101	243
PCB040 & 041 & 071	lab	35	35	100	74.8	5120	526	155	2070	74.8	5120	526	155	2070
PCB044 & 047 & 065	lab	35	35	100	313	8070	1240	498	5740	313	8070	1240	498	5740
PCB045 & 051	lab	35	35	100	36.2	2710	287	69.3	1490	36.2	2710	287	69.3	1490
PCB049 & 069	lab	35	35	100	103	5220	657	200	2530	103	5220	657	200	2530
PCB050 & 053	lab	35	35	100	42.3	2350	232	71.1	859	42.3	2350	232	71.1	859
PCB059 & 062 & 075	lab	35	35	100	22.1	782	91.3	36.3	328	22.1	782	91.3	36.3	328
PCB061 & 070 & 074 & 076	lab	35	35	100	221	14700	1400	400	4690	221	14700	1400	400	4690
PCB083 & 099	lab	35	35	100	312	2890	811	516	2190	312	2890	811	516	2190
PCB085 & 116 & 117	lab	35	35	100	76.1	1130	218	116	608	76.1	1130	218	116	608
PCB086 & 087 & 097 & 108 & 119 & 125	lab	35	35	100	374	3200	855	560	2170	374	3200	855	560	2170
PCB088 & 091	lab	35	35	100	33.3	841	168	69.7	472	33.3	841	168	69.7	472
PCB090 & 101 & 113	lab	35	35	100	493	4090	1270	829	3460	493	4090	1270	829	3460
PCB093 & 095 & 098 & 100 & 102	lab	35	35	100	300	3320	893	539	2800	300	3320	893	539	2800
PCB107 & 124	lab	35	35	100	21.9	154	44.9	30	104	21.9	154	44.9	30	104
PCB110 & 115	lab	35	35	100	440	4650	1180	718	3150	440	4650	1180	718	3150
PCB128 & 166	lab	35	35	100	104	600	236	177	491	104	600	236	177	491
PCB129 & 138 & 160 & 163	lab	35	35	100	1430	5760	2580	2040	4900	1430	5760	2580	2040	4900
PCB134 & 143	lab	35	35	100	16.2	258	62.2	40	141	16.2	258	62.2	40	141
PCB135 & 151 & 154	lab	35	35	100	123	2340	487	343	1500	123	2340	487	343	1500
PCB139 & 140	lab	35	35	100	7.71	83.4	25.7	17.8	57.5	7.71	83.4	25.7	17.8	57.5
PCB147 & 149	lab	35	35	100	418	3650	1200	853	3310	418	3650	1200	853	3310
PCB153 & 168	lab	35	35	100	2950	7590	4430	4060	6450	2950	7590	4430	4060	6450
PCB156 & 157	lab	35	35	100	111	328	172	144	303	111	328	172	144	303
PCB171 & 173	lab	35	35	100	32.3	425	102	63.2	270	32.3	425	102	63.2	270
PCB180 & 193	lab	35	35	100	409	1660	624	528	921	409	1660	624	528	921
PCB183 & 185	lab	35	35	100	99.3	932	247	167	582	99.3	932	247	167	582
PCB197 & 200	lab	35	34	97.14286	5.85	55.4	15.9	10.8	34.5	5.85	55.4	15.6	10.8	34.5
PCB198 & 199	lab	35	35	100	35	282	83.3	56.2	179	35	282	83.3	56.2	179
PCB Homologs														
Trichlorobiphenyl homologs	field	31	31	100	1630 J	114000	13900	5180	42900	1630 J	114000	13900	5180	42900
Pentachlorobiphenyl homologs	field	31	31	100	11600	382000	56300	29700	103000	11600	382000	56300	29700	103000
Dichlorobiphenyl homologs	field	31	31	100	399 J	49300 J	3740	1160	8750 JT	399 J	49300 J	3740	1160	8750 JT
Hexachlorobiphenyl homologs	field	31	31	100	19900	1270000	102000	40100	191000	19900	1270000	102000	40100	191000
Tetrachlorobiphenyl homologs	field	31	31	100	7470	279000	38600	19900	105000	7470	279000	38600	19900	105000
Monochlorobiphenyl homologs	field	28	28	100	3.48 J	116 J	21.1	10	50.8 J	3.48 J	116 J	21.1	10	50.8 J
Heptachlorobiphenyl homologs	field	31	31	100	5980	485000	35300	13200	62000	5980	485000	35300	13200	62000
Nonachlorobiphenyl homologs	field	31	31	100	56.7	2450	274	138	469 T	56.7	2450	274	138	469 T
Octachlorobiphenyl homologs	field	31	31	100	777	70800	4810	1780	6940	777	70800	4810	1780	6940
Trichlorobiphenyl homologs	lab	35	35	100	2610	62500	7010	3750	11600	2610	62500	7010	3750	11600
Pentachlorobiphenyl homologs	lab	35	35	100	4080	30300	9060	5980	21300	4080	30300	9060	5980	21300
Dichlorobiphenyl homologs	lab	35	35	100	2550	11800	4570	3730	7650	2550	11800	4570	3730	7650
Hexachlorobiphenyl homologs	lab	35	35	100	5880	23700	10900	8890	19600	5880	23700	10900	8890	19600
Tetrachlorobiphenyl homologs	lab	35	35	100	1600	67500	8130	2740	28500	1600	67500	8130	2740	28500
Monochlorobiphenyl homologs	lab	34	34	100	35.8	667	229	203	434	35.8	667	229	203	434
Heptachlorobiphenyl homologs	lab	35	35	100	1150	8820	2490	1740	5620	1150	8820	2490	1740	5620
Nonachlorobiphenyl homologs	lab	35	35	100	94.1	305	153	135	278	94.1	305	153	135	278
Octachlorobiphenyl homologs	lab	35	35	100	272	1290	497	388	987	272	1290	497	388	987

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
Lumbriculus variegatus														
Conventionals														
Lipids	lab	35	35	100	1.35	3.46	2.38	2.34	2.92	1.35	3.46	2.38	2.34	2.92
Total solids	lab	35	35	100	13.7 T	17.9	15.4	15.2	17.1	13.7 T	17.9	15.4	15.2	17.1
Metals														
Aluminum	lab	35	35	100	106	539	289	291	470	106	539	289	291	470
Lead	lab	35	35	100	0.167	0.847 T	0.349	0.287 T	0.689	0.167	0.847 T	0.349	0.287 T	0.689
Mercury	lab	34	34	100	0.003 J	0.0105	0.00539	0.0047	0.0091	0.003 J	0.0105	0.00539	0.0047	0.0091
Nickel	lab	35	35	100	0.203	0.535	0.377	0.377	0.524	0.203	0.535	0.377	0.377	0.524
Silver	lab	35	35	100	0.0041	0.0133	0.0072	0.0068 T	0.0105	0.0041	0.0133	0.0072	0.0068 T	0.0105
Antimony	lab	35	13	37.14286	0.002 J	0.014 J	0.00446	0.003 J	0.007 J	0.001 UJ	0.014 J	0.0032	0.002 J	0.007 J
Arsenic	lab	35	35	100	0.285	3.04	1.19	1.13	1.94	0.285	3.04	1.19	1.13	1.94
Cadmium	lab	35	35	100	0.0364	0.254	0.0694	0.0538	0.115 J	0.0364	0.254	0.0694	0.0538	0.115 J
Chromium	lab	35	35	100	0.14	0.89	0.509	0.47	0.78	0.14	0.89	0.509	0.47	0.78
Copper	lab	35	35	100	1.83 T	20.2	2.93	2.32	3.29	1.83 T	20.2	2.93	2.32	3.29
Zinc	lab	35	35	100	18.2 T	31.5	26.2	26.1	30.7	18.2 T	31.5	26.2	26.1	30.7
Selenium	lab	35	35	100	0.08	0.37	0.21	0.25	0.35	0.08	0.37	0.21	0.25	0.35
Butyltins														
Dibutyltin ion	lab	35	30	85.71429	0.62 J	820	35.8	3.7	37	0.47 U	820	30.8	3	37
Tetrabutyltin	lab	35	11	31.42857	0.31 J	4.2	2.07	2.4 NJ	3.1 J	0.067 U	4.2	1.3	1 U	3.1 J
Tributyltin ion	lab	35	15	42.85714	2.1	1700	122	3.1	49	0.44 U	1700	53.7	2.3	22
Butyltin ion	lab	35	34	97.14286	2.2	3600	155	13	240 J	2.2	3600	151	13	240 J
PAHs														
Anthracene	lab	35	35	100	1.3	650	48	8.6	98	1.3	650	48	8.6	98
Pyrene	lab	35	35	100	16	11000	869	150	5400	16	11000	869	150	5400
Benzo(g,h,i)perylene	lab	35	35	100	4	720	55.8	13	140	4	720	55.8	13	140
Indeno(1,2,3-cd)pyrene	lab	35	35	100	2	670	49.3	8.6	110	2	670	49.3	8.6	110
Benzo(b)fluoranthene	lab	35	35	100	7.7	1600	154	39	440	7.7	1600	154	39	440
Fluoranthene	lab	35	35	100	15	10000	807	140	4600	15	10000	807	140	4600
Benzo(k)fluoranthene	lab	35	35	100	3.9	1500	114	24	360	3.9	1500	114	24	360
Acenaphthylene	lab	35	34	97.14286	0.56	29	6.51	4.1	22	0.092 U	29	6.33	4.1	22
Chrysene	lab	35	35	100	14	3900	350	88	1600	14	3900	350	88	1600
Benzo(a)pyrene	lab	35	35	100	2.2	1500	104	17	400	2.2	1500	104	17	400
Dibenzo(a,h)anthracene	lab	35	26	74.28571	0.98	95	10.6	2.1	17	0.11 U	95	7.96	1.8	17
Benzo(a)anthracene	lab	35	35	100	5.9	2600	201	40	950	5.9	2600	201	40	950
Acenaphthene	lab	35	33	94.28571	1.7	520	57.9	7.8	460	0.091 U	520	54.7	7.5	460
Phenanthrene	lab	35	35	100	4.1	2500	259	31	2200	4.1	2500	259	31	2200
Fluorene	lab	35	35	100	1.3	300	38.1	5.9	250	1.3	300	38.1	5.9	250
Naphthalene	lab	35	6	17.14286	2.9	31	10.7	7.5	11	0.46 U	31	3.01	1.4 U	7.6
2-Methylnaphthalene	lab	35	28	80	0.29 J	43	4.05	1.5	7.1	0.15 U	43	3.31	1.3	7.1
SVOCs														
Benzyl alcohol	lab	35	35	100	280	4900 J	1620	1100	4200 J	280	4900 J	1620	1100	4200 J
1,4-Dichlorobenzene	lab	35	0	0						11 U	22 UJ	11.9	11 U	22 UJ
Hexachlorobenzene	lab	35	35	100	0.242 J	2.69	0.641	0.527	1.15	0.242 J	2.69	0.641	0.527	1.15
1,2,4-Trichlorobenzene	lab	35	0	0						9.9 U	20 U	10.8	9.9 U	20 U
Dibenzofuran	lab	35	34	97.14286	0.4 J	27	4.79	1.6	16	0.071 U	27	4.65	1.6	16
1,3-Dichlorobenzene	lab	35	0	0						11 U	22 UJ	11.9	11 U	22 UJ
Hexachloroethane	lab	35	0	0						8.5 U	17 U	9.23	8.5 U	17 U
N-Nitrosodiphenylamine	lab	35	4	11.42857	21 J	190	72.3	30 J	48	9.5 U	190	17.5	9.5 U	30 J
Hexachlorobutadiene	lab	35	6	17.14286	0.00117 J	11.7 J	1.96	0.00374 J	0.0259 J	0.00117 J	17 U	3.25	0.005 UJ	17 U
1,2-Dichlorobenzene	lab	35	0	0						12 U	24 UJ	13	12 U	24 UJ

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
Phthalates														
Bis(2-ethylhexyl) phthalate	lab	35	20	57.14286	69 J	220 J	141	130 J	220 J	53 U	220 J	108	110 U	200 J
Di-n-octyl phthalate	lab	35	0	0						13 U	26 U	14.1	13 U	26 U
Dimethyl phthalate	lab	35	0	0						5.1 U	11 U	5.61	5.1 U	11 U
Diethyl phthalate	lab	35	0	0						9.4 U	28 U	12.7	9.4 U	23 U
Dibutyl phthalate	lab	35	4	11.42857	46	470 J	180	92	110	16 U	470 J	123	16 U	320 U
Butylbenzyl phthalate	*lab*	*35*	*0*	*0*						*14 U*	*28 U*	*15.2*	*14 U*	*28 U*
Phenols														
2,4-Dimethylphenol	lab	35	0	0						13 U	26 U	14.1	13 U	26 U
4-Methylphenol	lab	35	35	100	31 J	290	104	74 J	200	31 J	290	104	74 J	200
Phenol	lab	35	25	71.42857	*18 J*	*50 J*	24	20 J	*38 J*	17 U	*50 J*	23.4	*20 J*	*38 J*
Pentachlorophenol	lab	18	0	0						31 U	31 U	31	31 U	31 U
2-Methylphenol	lab	35	32	91.42857	53 J	350	144	130	250	53 J	350	139	130	250
Pesticides														
Heptachlor epoxide	lab	35	33	94.28571	0.00732 J	0.0711 J	0.0206	0.0174 J	0.0351 J	0.00652 U	0.0711 J	0.0199	0.0171 J	0.0351 J
Endosulfan sulfate	lab	35	34	97.14286	0.246	0.743	0.377	0.363 J	0.491	0.246	0.743	0.378	0.366	0.491
Oxychlordane	lab	35	23	65.71429	0.0145 J	0.334 J	0.049	0.033 J	0.0569 J	0.00788 U	0.334 J	0.046	0.033 J	0.0922 J
Aldrin	lab	35	34	97.14286	0.043 J	37	1.5	0.427 J	0.889	0.043 J	37	1.47	0.427 J	0.889
alpha-Hexachlorocyclohexane	lab	35	*19*	54.28571	*0.006 J*	*0.0151 J*	*0.0109*	*0.011 J*	*0.015 J*	*0.00569 U*	*0.0633 U*	*0.0211*	*0.0117 J*	*0.0633 U*
beta-Hexachlorocyclohexane	lab	33	9	27.27273	0.003 J	0.0493 J	0.0125	0.00732 J	0.019 J	0.003 U	0.31 U	0.0506	0.0417 U	0.0772 U
delta-Hexachlorocyclohexane	lab	35	4	11.42857	0.000971 J	0.0161 J	0.00707	0.00401 J	0.00721 J	0.000971 J	0.0195 U	0.0108	0.017 U	0.0184 U
beta-Endosulfan	lab	35	18	51.42857	0.0479 J	0.492	0.116	0.0778 J	0.202	0.0411 U	0.492	0.0946	0.0743 U	0.18 J
2,4'-DDE	lab	35	35	100	0.127 J	52.7	2.87	0.549	8.15	0.127 J	52.7	2.87	0.549	8.15
trans-Nonachlor	lab	35	35	100	0.435 J	9.8	1.34	0.739	3.58	0.435 J	9.8	1.34	0.739	3.58
4,4'-DDT	lab	35	33	94.28571	0.0456 J	37.9	2.62	0.297 J	2.99	0.0456 J	37.9	2.48	0.286 J	2.99
cis-Chlordane	lab	35	34	97.14286	0.749	28.6	2.53	1.33	3.89	0.0749 U	28.6	2.46	1.33	3.89
cis-Nonachlor	lab	35	35	100	0.218 J	2.98	0.602	0.378 J	1.89	0.218 J	2.98	0.602	0.378 J	1.89
trans-Chlordane	lab	35	34	97.14286	0.438 J	30.5	2.15	0.926	3.12	0.0304 U	30.5	2.09	0.926	3.12
2,4'-DDD	lab	35	35	100	0.611	204	15.3	2.66	17.8	0.611	204	15.3	2.66	17.8
Endrin ketone	lab	35	4	11.42857	0.00107 J	0.0171 J	0.00743	0.00267 J	0.00888 J	0.00107 J	0.08 U	0.038	0.0397 U	0.0794 U
gamma-Hexachlorocyclohexane	lab	35	17	48.57143	0.00666 J	0.021 J	0.0136	0.0127 J	0.019 J	0.00666 J	0.215 U	0.0264	0.0167 J	0.0497 U
Dieldrin	lab	35	35	100	0.127 J	26.7	1.18	0.374	0.99	0.127 J	26.7	1.18	0.374	0.99
Endrin	lab	35	9	25.71429	0.00262 J	0.157 J	0.0296	0.00767 J	0.0447 J	0.00262 J	0.157 J	0.024	0.0253 U	0.0511 U
Methoxychlor	lab	35	0	0						0.0104 U	0.486 U	0.0718	0.0287 U	0.371 U
4,4'-DDD	lab	35	35	100	4.08	1060	71.2	15	113	4.08	1060	71.2	15	113
4,4'-DDE	lab	35	35	100	9.52	171	28.7	20.2	46.3	9.52	171	28.7	20.2	46.3
Endrin aldehyde	lab	35	0	0						0.000692 U	0.0384 U	0.0182	0.0191 U	0.024 U
Heptachlor	lab	35	14	40	0.00353 J	0.0186 J	0.0113	0.012 J	0.0184 J	0.00331 U	0.0224 U	0.0123	0.011 U	0.0222 U
2,4'-DDT	lab	35	23	65.71429	0.0232 J	3.13	0.277	0.086 J	0.418	0.0191 U	4.27 U	0.313	0.067 J	0.465
alpha-Endosulfan	lab	35	13	37.14286	0.0219 J	0.181 J	0.0549	0.0373 J	0.108 J	0.0219 J	0.181 J	0.0412	0.03 U	0.0757 U
Dioxins Furans														
2,3,7,8-Tetrachlorodibenzo-p-dioxin	lab	35	26	74.28571	0.219 J	163	6.98	0.455	0.96	0.213 U	163	5.3	0.449	0.96
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	lab	35	29	82.85714	0.311 J	5.24	0.937	0.538 J	1.49	0.311 J	5.24	0.881	0.538 J	1.49
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	lab	35	35	100	3.37	37.7	10.7	7.42	26.1	3.37	37.7	10.7	7.42	26.1
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	lab	35	30	85.71429	0.198 J	3.48	0.517	0.352 J	0.708 J	0.198 J	3.48	0.483	0.325 U	0.708 J
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	lab	35	33	94.28571	0.439 J	196	6.79	0.767 J	1.84	0.439 J	196	6.43	0.764 U	1.84
2,3,7,8-Tetrachlorodibenzofuran	lab	35	35	100	0.421	447	18	2.14	13.1	0.421	447	18	2.14	13.1
1,2,3,4,7,8,9-Heptachlorodibenzofuran	lab	35	17	48.57143	0.055 J	2.75	0.472	0.147 J	1.88	0.055 J	2.75	0.308	0.134 J	1.29
2,3,4,7,8-Pentachlorodibenzofuran	lab	35	34	97.14286	0.374 J	111	6.38	1.09 J	26.1	0.361 U	111	6.21	1.09 J	26.1
1,2,3,7,8-Pentachlorodibenzofuran	lab	35	34	97.14286	0.213 J	76	5.18	0.763 J	12.4	0.213 J	76	5.06	0.896 J	12.4
1,2,3,6,7,8-Hexachlorodibenzofuran	lab	35	31	88.57143	0.166 J	13.4	1.34	0.437 J	4.51	0.131 U	13.4	1.22	0.402 J	4.51
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	lab	35	35	100	1.07 J	19.6	3.31	1.91	7.58	1.07 J	19.6	3.31	1.91	7.58
2,3,4,6,7,8-Hexachlorodibenzofuran	lab	35	20	57.14286	0.141 J	6.08	0.78	0.297 J	1.69	0.133 U	6.08	0.569	0.287 J	1.55

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
1,2,3,4,6,7,8-Heptachlorodibenzofuran	lab	35	34	97.14286	0.801 J	13.7	3.27	1.71	10.2	0.801 J	13.7	3.21	1.71	10.2
1,2,3,4,7,8-Hexachlorodibenzofuran	lab	35	35	100	0.257 J	39	3.76	0.777 J	24.4	0.257 J	39	3.76	0.777 J	24.4
1,2,3,7,8,9-Hexachlorodibenzofuran	lab	35	5	14.28571	0.076 J	0.727 J	0.331	0.287 J	0.46 J	0.052 U	0.727 J	0.152	0.133 U	0.287 J
Dioxin Furan Homolog														
Tetrachlorodibenzofuran homologs	lab	35	35	100	4.82	4000	137	16.2	68.5	4.82	4000	137	16.2	68.5
Pentachlorodibenzofuran homologs	lab	35	35	100	3.68	1380	62.3	12.9	130	3.68	1380	62.3	12.9	130
Octachlorodibenzo-p-dioxin	lab	35	35	100	10.7	405	57.9	28.6	199	10.7	405	57.9	28.6	199
Hexachlorodibenzo-p-dioxin homologs	lab	35	35	100	3.67	71.1	11.7	7.52	21.5	3.67	71.1	11.7	7.52	21.5
Pentachlorodibenzo-p-dioxin homologs	lab	35	35	100	1.37	291	12.1	3.35	10.7	1.37	291	12.1	3.35	10.7
Heptachlorodibenzo-p-dioxin homologs	lab	35	35	100	6.25	79.3	22.3	15.7	48.9	6.25	79.3	22.3	15.7	48.9
Heptachlorodibenzofuran homologs	lab	35	35	100	2.34	58.5	11	5.79	28.2	2.34	58.5	11	5.79	28.2
Octachlorodibenzofuran	lab	35	35	100	0.97 J	30.6	4.7	2.3	18.2	0.97 J	30.6	4.7	2.3	18.2
Tetrachlorodibenzo-p-dioxin homologs	lab	35	35	100	5.46	446	21.3	8.69	13.5	5.46	446	21.3	8.69	13.5
Hexachlorodibenzofuran homologs	lab	35	35	100	3.11	160	19.8	7.96	50.6	3.11	160	19.8	7.96	50.6
Aroclors														
Aroclor 1260	lab	35	35	100	4960 NJ	787000 NJ	74700	27100 NJ	138000 NJ	4960 NJ	787000 NJ	74700	27100 NJ	138000 NJ
Aroclor 1254	lab	35	34	97.14286	19400 NJ	1750000 NJ	223000	66700 NJ	1040000 NJ	67.6 U	1750000 NJ	217000	66700 NJ	1040000 NJ
Aroclor 1221	lab	35	0	0						0.153 U	11.8 U	1.41	0.338 U	5.52 U
Aroclor 1232	lab	35	0	0						0.227 U	24.9 U	1.67	0.509 U	3.53 U
Aroclor 1248	lab	35	1	2.857143	1830000 NJ	1830000 NJ	1830000	1830000 NJ	1830000 NJ	4.28 U	1830000 NJ	52500	26.9 U	1070 U
Aroclor 1016	lab	35	0	0						0.357 U	94.3 U	8.17	0.975 U	20.2 U
Aroclor 1242	lab	35	34	97.14286	2330 NJ	1880000 NJ	81300	10400 NJ	155000 NJ	16.4 U	1880000 NJ	79000	10400 NJ	155000 NJ
PCB Congeners														
PCB004	lab	34	34	100	75.9	29600	2350	159	9210	75.9	29600	2350	159	9210
Polychlorinated biphenyls	lab	35	35	100	44800	4310000	612000	168000	2970000	44800	4310000	612000	168000	2970000
PCB054	lab	35	35	100	22.6	35600	1180	80	728	22.6	35600	1180	80	728
PCB005	lab	35	34	97.14286	0.981	863	34.5	3.13	67.9	0.981	863	33.6	3.15	67.9
PCB031	lab	35	35	100	227	196000	10200	1310 J	25900	227	196000	10200	1310 J	25900
PCB011	lab	35	35	100	113	522	205	185 J	327	113	522	205	185 J	327
PCB015	lab	35	35	100	41 J	20100	1140	136	4270	41 J	20100	1140	136	4270
PCB209	lab	35	35	100	59.2	1390	185	118	346	59.2	1390	185	118	346
PCB001	lab	32	32	100	2.6	1520	132	10.2	463	2.6	1520	132	10.2	463
PCB002	lab	32	32	100	1.39	156	16.6	9.41	28.1	1.39	156	16.6	9.41	28.1
PCB003	lab	32	21	65.625	3.03	360	43.9	8.13	78.7	2.82 U	639 U	50.8	6.66 U	222
PCB202	lab	35	35	100	107	4540	545	308	1020	107	4540	545	308	1020
PCB006	lab	35	35	100	15.7	9870	505	55.1	834	15.7	9870	505	55.1	834
PCB118	lab	35	35	100	1500	118000	14600	5010	44300	1500	118000	14600	5010	44300
PCB066	lab	35	35	100	786	217000	18400	2590	100000	786	217000	18400	2590	100000
PCB077	lab	35	35	100	59.6	13200	1020	169	5780	59.6	13200	1020	169	5780
PCB105	lab	35	35	100	543	61600	5630	1430	24700	543	61600	5630	1430	24700
PCB169	lab	35	0	0						1.58 U	234 U	23.2	10.5 U	49.8 U
PCB060	lab	35	35	100	121	46000	3980	285 J	32800	121	46000	3980	285 J	32800
PCB010	lab	35	35	100	2.42 J	1780	94.4	7.83 J	218	2.42 J	1780	94.4	7.83 J	218
PCB007	lab	35	35	100	3.42	1950	92.4	10.4	178	3.42	1950	92.4	10.4	178
PCB080	lab	35	13	37.14286	0.939	9.2 J	4.76	3.81	9.2	0.939	58.5 U	8.38	2.78	34.3 U
PCB155	lab	35	34	97.14286	2.78	564	25.9	5.9	42.4	2.37 U	564	25.3	5.9	42.4
PCB009	lab	35	35	100	4.42	3410	143	13.1	399	4.42	3410	143	13.1	399
PCB014	lab	35	20	57.14286	0.306 J	11.6	1.9	0.55 J	10.5 J	0.306 J	11.6	2.12	0.752 U	10.3 U
PCB008	lab	35	35	100	63.9	55600	2540	235	7440	63.9	55600	2540	235	7440
PCB170	lab	35	35	100	442	59600	4960	1720	9540	442	59600	4960	1720	9540
PCB052	lab	35	35	100	936	266000	24800	3730	145000	936	266000	24800	3730	145000
PCB133	lab	35	35	100	69.5	7060	642	317	1610	69.5	7060	642	317	1610
PCB137	lab	35	35	100	13.9	2030	348	169	1040	13.9	2030	348	169	1040

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB194	lab	35	35	100	114	14200	1190	473	1860	114	14200	1190	473	1860
PCB042	lab	35	35	100	155	55600	4960	831	33400	155	55600	4960	831	33400
PCB017	lab	35	35	100	69	65800	4090	494	13000	69	65800	4090	494	13000
PCB034	lab	35	34	97.14286	1.61	1380	73.6	13.1	199	1.61	1380	71.8	13.1	199
PCB035	lab	35	35	100	6.63	1620	81.3	18.7	143	6.63	1620	81.3	18.7	143
PCB132	lab	35	35	100	719	55000	6910	3060	20800	719	55000	6910	3060	20800
PCB136	lab	35	35	100	332	49100	4160	1510	9830	332	49100	4160	1510	9830
PCB174	lab	35	35	100	367	54600	5380	1770	10600	367	54600	5380	1770	10600
PCB019	lab	34	34	100	96.4	108000	4330	329	8540	96.4	108000	4330	329	8540
PCB027	lab	35	35	100	20.4	19000	1030	101	1880	20.4	19000	1030	101	1880
PCB032	lab	35	35	100	54.8	41400	2590	320	9220	54.8	41400	2590	320	9220
PCB016	lab	35	35	100	43	51800	2220	199 J	4100	43	51800	2220	199 J	4100
PCB022	lab	35	35	100	80.9	74500	3530	423	8790	80.9	74500	3530	423	8790
PCB036	lab	35	26	74.28571	1.76 J	10.1	3.74	3.3	6.64	0.887 U	13.6 U	4.18	3.31 J	9.65 U
PCB039	lab	35	31	88.57143	3.03	1600	119	18.4	563	0.568 U	1600	105	10.9 J	563
PCB037	lab	35	35	100	77.1	42000	2090	292	7450	77.1	42000	2090	292	7450
PCB189	lab	35	35	100	23.4	2440	191	74	350	23.4	2440	191	74	350
PCB111	lab	35	32	91.42857	3.54	387	35.4	15.2	81.5	3.54	387	33.8	15.2	81.5
PCB127	lab	35	21	60	1.87	44.4	11.7	8.27	28.1	1.54 U	44.4	12.2	8.16	34 U
PCB162	lab	35	35	100	8.46	223	50.5	24.5	131	8.46	223	50.5	24.5	131
PCB159	lab	35	34	97.14286	14.9	2970	252	82.8	508	14.9	2970	249	84.5	508
PCB175	lab	35	35	100	19.5	2750	240	92.8	455	19.5	2750	240	92.8	455
PCB201	lab	35	35	100	49.8	3770	341	158	657	49.8	3770	341	158	657
PCB206	lab	35	35	100	98.9 J	2650 J	483	287 J	1190 J	98.9 J	2650 J	483	287 J	1190 J
PCB142	lab	35	1	2.857143	15.7	15.7	15.7	15.7	15.7	2.45 U	279 U	27.5	13.9 U	65.2 U
PCB190	lab	35	35	100	151	15500	1300	475	2680	151	15500	1300	475	2680
PCB072	lab	35	35	100	18.4	1190	222	86.6	798	18.4	1190	222	86.6	798
PCB056	lab	35	35	100	292	97900	8640	910	54400	292	97900	8640	910	54400
PCB046	lab	35	35	100	25.5	11500	979	135	5820	25.5	11500	979	135	5820
PCB079	lab	35	35	100	20	1430	223	74.6	845	20	1430	223	74.6	845
PCB058	lab	35	34	97.14286	3.23	463	56.3	14.6 J	197	3.23	463	55	14.6 J	197
PCB196	lab	35	35	100	63.6	6850	618	254	941	63.6	6850	618	254	941
PCB146	lab	35	35	100	579	58300	5780	2640	13600	579	58300	5780	2640	13600
PCB064	lab	35	35	100	320	119000	9340	1150	60900	320	119000	9340	1150	60900
PCB084	lab	35	35	100	280	36900	4560	1040	19600	280	36900	4560	1040	19600
PCB092	lab	35	35	100	435	48700	5550	1750	21000	435	48700	5550	1750	21000
PCB082	lab	35	35	100	147	19600	2090	503	11200	147	19600	2090	503	11200
PCB179	lab	35	35	100	328	37300	3450	1380	7470	328	37300	3450	1380	7470
PCB176	lab	35	35	100	89.7	9950	946	363	2010	89.7	9950	946	363	2010
PCB130	lab	35	35	100	174	6630	1210	608	3570	174	6630	1210	608	3570
PCB178	lab	35	35	100	185	17300	1670	702	3610	185	17300	1670	702	3610
PCB187	lab	35	35	100	1540	225000	21500	8250	51300	1540	225000	21500	8250	51300
PCB177	lab	35	35	100	486	39000	3900	1590	8560	486	39000	3900	1590	8560
PCB167	lab	35	35	100	81	5010	700	331	2010	81	5010	700	331	2010
PCB172	lab	35	35	100	68.7	10500	884	317	1530	68.7	10500	884	317	1530
PCB203	lab	35	35	100	251	17800	1620	744	3290	251	17800	1620	744	3290
PCB208	lab	35	35	100	50.9	737	193	120	617	50.9	737	193	120	617
PCB195	lab	35	35	100	116	9920	765	309	1260	116	9920	765	309	1260
PCB207	lab	35	35	100	17.5	419 J	75.7	47.3 J	187 J	17.5	419 J	75.7	47.3 J	187 J
PCB141	lab	35	35	100	54.3	29700	2780	986	9060	54.3	29700	2780	986	9060
PCB038	lab	35	22	62.85714	0.555 J	161	20	3.24	84.9	0.555 J	161	13.2	2.32 U	84.9
PCB024	lab	35	33	94.28571	1.34	1660	71.3	7.72	123	0.723 U	1660	67.4	7.48	123
PCB025	lab	35	35	100	25	12900	855	188	2560	25	12900	855	188	2560
PCB023	lab	35	31	88.57143	0.167 J	223	11.8	2.01	31.8	0.167 J	223	10.9	2.01	31.8
PCB104	lab	35	35	100	4.82	4780	167	16.9	235	4.82	4780	167	16.9	235

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB121	lab	35	32	91.42857	2.98	1110	58	12.5	138	1.65 U	1110	54.3	12.6	138
PCB126	lab	35	33	94.28571	5.15	249	35.1	17.7	118	5.15	249	33.7	14.3	118
PCB103	lab	35	35	100	42.7	15100	885	266	2490	42.7	15100	885	266	2490
PCB182	lab	35	21	60	6.81	188	31.9	19.3	46.6	2.5 U	188	22.2	12	46.9 U
PCB131	lab	35	35	100	19.2	848	167	73.1	595	19.2	848	167	73.1	595
PCB123	lab	35	34	97.14286	25.6	2500	289	72.3	1470	25.6	2500	282	72.3	1470
PCB150	lab	35	35	100	11.8	1920	165	61.2	780	11.8	1920	165	61.2	780
PCB152	lab	35	35	100	4.75	2280	102	18.3	263	4.75	2280	102	18.3	263
PCB120	lab	35	35	100	14.4	848	130	70.3	373	14.4	848	130	70.3	373
PCB144	lab	35	35	100	84	11800	1210	488	3750	84	11800	1210	488	3750
PCB043	lab	35	35	100	23.3	9150	811	109	5200	23.3	9150	811	109	5200
PCB048	lab	35	35	100	87.4	51100	3590	416	20600	87.4	51100	3590	416	20600
PCB078	lab	35	0	0						1.18 U	65 U	8.35	2.14 U	39.4 U
PCB081	lab	35	29	82.85714	2.32	516	50.4	6.96	311	2.14 U	516	43.8	6.48	311
PCB057	lab	35	35	100	3.76	1080	101	15.1	480	3.76	1080	101	15.1	480
PCB106	lab	35	2	5.714286	69.3	242	156	69.3	69.3	0.719 U	242	14.8	3.88 U	37.7 U
PCB068	lab	35	35	100	15.5	2330	200	66.5	454	15.5	2330	200	66.5	454
PCB067	lab	35	35	100	20	5630	468	84.5	2350	20	5630	468	84.5	2350
PCB096	lab	35	35	100	15.7	5530	363	62.9	1190	15.7	5530	363	62.9	1190
PCB094	lab	35	35	100	21.8	17900	735	100	1120	21.8	17900	735	100	1120
PCB089	lab	35	35	100	12.8	2890	303	54.5	2260	12.8	2890	303	54.5	2260
PCB073	lab	35	23	65.71429	10.2	8310	443	32.6	487	1.63 U	8310	293	26.3	487
PCB055	lab	35	22	62.85714	7.74	2550	273	33.8	953	1.91 U	2550	173	16.6	953
PCB063	lab	35	35	100	35.1	8570	749	148	5240	35.1	8570	749	148	5240
PCB109	lab	35	35	100	146	7520	1220	470	4030	146	7520	1220	470	4030
PCB112	lab	35	1	2.857143	11800	11800	11800	11800	11800	0.63 U	11800	340	1.56 U	13.2 U
PCB114	lab	35	35	100	30.6	2940	361	89.3	2360	30.6	2940	361	89.3	2360
PCB145	lab	35	33	94.28571	0.578	101	9.09	2.56	32.3	0.578	101	8.63	2.54	32.3
PCB148	lab	35	35	100	12.8	2040	160	61.8	570	12.8	2040	160	61.8	570
PCB158	lab	35	35	100	148	17500	1870	802	5970	148	17500	1870	802	5970
PCB161	lab	35	0	0						1.75 U	195 U	18.9	7.79 U	45.2 U
PCB164	lab	35	35	100	208	22700	2100	843	5370	208	22700	2100	843	5370
PCB165	lab	35	27	77.14286	5.07	826	63	17.8	167	5.07	826	57	19.3	167
PCB181	lab	35	35	100	6.01	430	49.5	17.6	162	6.01	430	49.5	17.6	162
PCB184	lab	35	33	94.28571	1.31	53.2	6.28	3.33	19.3	1.31	53.2	6.36	3.47 U	19.3
PCB186	lab	35	16	45.71429	0.309 J	24.3	3.15	0.679 J	8.31 J	0.309 J	24.3	2.57	0.646 U	8.81 U
PCB191	lab	35	35	100	8.61	1950	174	65.2	335	8.61	1950	174	65.2	335
PCB192	lab	35	0	0						1.39 U	27.6 U	3.99	1.5 U	20.5 U
PCB204	lab	35	23	65.71429	0.283 J	8.62 J	1.61	0.648	4	0.262 U	8.62 J	1.27	0.618	4
PCB205	lab	35	35	100	17.9	1500	117	47.5	192	17.9	1500	117	47.5	192
PCB188	lab	35	35	100	4.48	366	30.2	12.6	96.1	4.48	366	30.2	12.6	96.1
PCB122	lab	35	35	100	19.5	1980	220	60.3	1060	19.5	1980	220	60.3	1060
PCB012 & 013	lab	35	35	100	8.62	2220	135	22.8	405	8.62	2220	135	22.8	405
PCB018 & 030	lab	35	35	100	107	164000	7220	529	13600	107	164000	7220	529	13600
PCB020 & 028	lab	35	35	100	344	211000	11600	1790	49800	344	211000	11600	1790	49800
PCB021 & 033	lab	35	35	100	101	113000	5080	651	6450	101	113000	5080	651	6450
PCB026 & 029	lab	35	35	100	42.4	33700	1790	258	5350	42.4	33700	1790	258	5350
PCB040 & 041 & 071	lab	35	35	100	293	112000	10400	1550	67800	293	112000	10400	1550	67800
PCB044 & 047 & 065	lab	35	35	100	920	262000	28900	3620	168000	920	262000	28900	3620	168000
PCB045 & 051	lab	35	35	100	167	100000	6500	774	22000	167	100000	6500	774	22000
PCB049 & 069	lab	35	35	100	552	157000	16100	2370	78500	552	157000	16100	2370	78500
PCB050 & 053	lab	35	35	100	167	86900	5540	680 J	18400	167	86900	5540	680 J	18400
PCB059 & 062 & 075	lab	35	35	100	74.3	19200	1920	290	11900	74.3	19200	1920	290	11900
PCB061 & 070 & 074 & 076	lab	35	35	100	1260	369000	32200	5010	202000	1260	369000	32200	5010	202000
PCB083 & 099	lab	35	35	100	1340	104000	16200	4810	71200	1340	104000	16200	4810	71200

Table 4-5. Summary Statistics of Chemical Concentrations for Sediment and Tissue Samples.

Analyte	Field/ Lab	N	N Detected	% Detected	Detected Concentrations					Detected and Nondetected Concentrations				
					Minimum	Maximum	Mean	Median	95th	Minimum	Maximum	Mean	Median	95th
PCB085 & 116 & 117	lab	35	35	100	331	41900	4030	1000	17900	331	41900	4030	1000	17900
PCB086 & 087 & 097 & 108 & 119 & 125	lab	35	35	100	996	114000	13600	3650	49700	996	114000	13600	3650	49700
PCB088 & 091	lab	35	35	100	322	29300	4740	1220	23000	322	29300	4740	1220	23000
PCB090 & 101 & 113	lab	35	35	100	2010	144000	26000	7890	131000	2010	144000	26000	7890	131000
PCB093 & 095 & 098 & 100 & 102	lab	35	35	100	1650	190000	25000	6530	119000	1650	190000	25000	6530	119000
PCB107 & 124	lab	35	35	100	59	4300	582	193	2130	59	4300	582	193	2130
PCB110 & 115	lab	35	35	100	2170	174000	23900	7560	70100	2170	174000	23900	7560	70100
PCB128 & 166	lab	35	35	100	343	8850	2170	964	8070	343	8850	2170	964	8070
PCB129 & 138 & 160 & 163	lab	35	35	100	3070	314000	30400	12400	76900	3070	314000	30400	12400	76900
PCB134 & 143	lab	35	35	100	103	11800	1130	443	3170	103	11800	1130	443	3170
PCB135 & 151 & 154	lab	35	35	100	210	277000	19400	5930	47000	210	277000	19400	5930	47000
PCB139 & 140	lab	35	35	100	42.9	1720	359	181	976	42.9	1720	359	181	976
PCB147 & 149	lab	35	35	100	2460	381000	34200	13700	80700	2460	381000	34200	13700	80700
PCB153 & 168	lab	35	35	100	2830	357000	30100	10800	62900	2830	357000	30100	10800	62900
PCB156 & 157	lab	35	35	100	225	10700	1760	767	6550	225	10700	1760	767	6550
PCB171 & 173	lab	35	35	100	172	16200	1550	558	3340	172	16200	1550	558	3340
PCB180 & 193	lab	35	35	100	204	54000	5460	1990	10200	204	54000	5460	1990	10200
PCB183 & 185	lab	35	35	100	346	47000	4530	1830	9140	346	47000	4530	1830	9140
PCB197 & 200	lab	35	35	100	55.2	4680	405	164	805	55.2	4680	405	164	805
PCB198 & 199	lab	35	35	100	399	32300	3010	1250	5630	399	32300	3010	1250	5630
PCB Homologs														
Trichlorobiphenyl homologs	lab	35	35	100	1300	1040000	57000	7080	188000	1300	1040000	57000	7080	188000
Pentachlorobiphenyl homologs	lab	35	35	100	12600	1000000	152000	43500	669000	12600	1000000	152000	43500	669000
Dichlorobiphenyl homologs	lab	35	35	100	385	115000	7160	972	26600	385	115000	7160	972	26600
Hexachlorobiphenyl homologs	lab	35	35	100	12900	1640000	148000	60800	345000	12900	1640000	148000	60800	345000
Tetrachlorobiphenyl homologs	lab	35	35	100	6440	1840000	182000	26400	1000000	6440	1840000	182000	26400	1000000
Monochlorobiphenyl homologs	lab	32	32	100	5.47	1680	177	24.4	618	5.47	1680	177	24.4	618
Heptachlorobiphenyl homologs	lab	35	35	100	4440	591000	56300	23100	120000	4440	591000	56300	23100	120000
Nonachlorobiphenyl homologs	lab	35	35	100	170	3680	751	467	1830	170	3680	751	467	1830
Octachlorobiphenyl homologs	lab	35	35	100	1170	95500	8620	3590	15500	1170	95500	8620	3590	15500

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
Total solids	percent	56.8	64.5	63.3	71.6 T	59.2	68.1	65 T	71.3	34.3	54.2 T	61.4 T	43.3
Total organic carbon	percent	1.01	1.87	1.58	0.2	1.05	0.447 T	0.755 T	0.37 T	3.13	1.97	3.95	6.82
Sulfide	mg/kg	8.3	0.08 U	0.09 U	0.09 U	0.5 J	1.9	0.4 JT	0.09 UT	33.2	7.6	0.6 J	0.09 U
Ammonia	mg/kg	47 J	42 J	18.9 J	47.8 J	76 J	25.4 JT	34.3 JT	6.9 J	112 J	57.6 J	48 J	105 J
pH	ph units								6.79				
Oxidation-Reduction Potential	mv								227				
Medium gravel	percent	0.13	0.15	0.56	0	0	0.12	0.305 T	1.1 T	0	1.34	2.66	0.15
Fine gravel	percent	0.08	4.06	1.88	0.3	0.1	0.14	0.973 T	2.7 T	0.01	0.75	2.87	1.82
Very coarse sand	percent	0.42	8.55	1.37	0.27	0.63	2.07	2 T	4.54 T	0.14	0.83	5.5	2.41
Coarse sand	percent	0.56	18.3	7.17	3.44	12.2	23.2	15.6 T	18.3 T	0.39	0.56	27.7	3.91
Medium sand	percent	2.78	28.8	34	49	42.9	32.1	25.8 T	50.7 T	2.41	1.18	15.9	4.67
Fine sand	percent	34.5	22.8	32.9	39.2	15.3	19.3	20.4 T	14.2 T	3.3	5.36	5.04	6.54
Very fine sand	percent	20.5	4.46	8	2.99	1.62	4.84	6.77 T	1.4 T	2.7	24.2	3.66	19.4
Fines	percent	39 T	17.7 T	12.8 T	3.45 T	28 T	14.3 T	29.7 T	6.9 T	93.5 T	62.4 T	37.3 T	60.8 T
Coarse silt	percent	16.7	5.49	3.38	0.67	7.61	3 33	11.5 T	1.01 T	15.1	37	9.8	32.5
Medium silt	percent	8.15	5.19	2.58	0.74	9.2	4.58	7.4 T	1.21 T	25.4	10.4	9.71	11.7
Fine silt	percent	5.01	3.32	2.03	0.61	4.8	3.12	4.26 T	1.34 T	18.2	5.17	6.73	5.94
Very fine silt	percent	3.25	1.75	1.73	0.52	2.96	1.82	3.25 T	1.12 T	17.6	3.8	5.28	4.15
8-9 Phi clay	percent	1.24	0.79	1.44	0.25	1.34	0.73	1.02 T	1 T	8.41	2.21	1.5	2.49
>9 Phi clay	percent	4.63	1.11	1.68	0.66	2.12	0.7	2.27 T	1.22 T	8.77	3.78	4.29	4.03
Aluminum	mg/kg	21700	9570	14500	16700	18200	12300 T	14600 T	11300	34600	29400	16100	21500
Antimony	mg/kg	0.12 J	0.88 J	0.1 J	0.07 J	0.29 J	0.26 JT	0.275 JT	0.06 J	0.21 J	0.18 J	0.14 J	0.24 J
Arsenic	mg/kg	3.72	5.15	4.44	5.13	3.73	3.43 T	3.5 T	2.67	6.59	4.76	3.39	4.31
Cadmium	mg/kg	0.288	2.05	0.1	0.076	0.226	0.216 T	0.279 T	0.147	0.788	0.67	0.286	0.26
Chromium	mg/kg	32.2	91	20.8 J	21.2 J	26.4	24 T	28.7 T	15.1 J	44.8 J	37.8 J	24.1	29.8 J
Copper	mg/kg	28.3	36.6	18	17	32.2	23.4 T	29.3 T	13.5	59.4	47.7	29.9	41
Lead	mg/kg	11.8	87.5	7.29 J	6.51 J	18.8	13.7 T	17.7 T	9.09 J	81 J	50.7 J	22	17.2 J
Manganese	mg/kg												
Mercury	mg/kg	0.08 J	0.064 J	0.033	0.022	0.103 J	0.08 JT	0.0795 JT	0.017 JT	0.091	0.077	0.046 J	0.073
Nickel	mg/kg	24.8 J	21.9 J	19.2	22.1	23.4 J	20.4 JT	21.2 JT	14.7	28.5	29.8	21.8 J	21.5
Selenium	mg/kg	0.13 U	0.14 U	0.05 U	0.03 U	0.14 U	0.18 UT	0.15 UT	0.13 U	0.18 U	0.05 U	0.14 U	0.12 U
Silver	mg/kg	0.097	0.291	0.17 J	0.052 J	0.14	0.064 UT	0.646 T	0.071 J	0.43 J	0.319 J	0.12	0.22 J
Thallium	mg/kg												
Zinc	mg/kg	95.9	511	78.8	79.5	101	109 T	124 T	71.4	233	203	131	113
Barium	mg/kg												
Beryllium	mg/kg												
Chromium hexavalent	mg/kg	0.2 UJ	0.3 J	0.2 UJ	0.2 J	0.8 J	0.4 JT	0.9 JT	0.4 JT	0.5 J	0.5 J	0.8 J	0.4 J
Butyltin ion	µg/kg	0.14 J	0.92 J	0.43 J	0.093 J	0.71 J	0.87 J	2.1 T	0.47 J	1.9 J	0.62 J	1.1 J	0.45 J
Dibutyltin ion	µg/kg	1 J	2.2	1 J	0.47 U	4.1	5.4	7.6 T	0.83 J	11	6.5	3.4	3.6
Tributyltin ion	µg/kg	3.2 U	3.7	2.3	1 U	36	11	15 T	1.7	19	18	9.1	7.7
Tetrabutyltin	µg/kg	0.13 U	0.3 J	0.12 U	0.11 U	1.1 J	0.47 J	0.415 JT	0.096 U	0.23 U	0.94 J	0.41 J	0.19 U
1,1,1,2-Tetrachloroethane	µg/kg	0.055 U	0.049 U	0.049 U	0.042 U	0.053 U	0.046 U	0 048 UT	0.044 U	0.091 U	0.05 U	0.05 U	0.072 U
1,1,1-Trichloroethane	µg/kg	0.11 U	0.092 U	0.094 U	0.079 U	0.1 U	0.087 U	0.09 UT	0.083 U	0.18 U	0.095 U	0.096 U	0.14 U
1,1,2,2-Tetrachloroethane	µg/kg	0.17 U	0.15 U	0.16 U	0.13 U	0.17 U	0.15 U	0.15 UT	0.14 U	0.28 U	0.16 U	0.16 U	0.23 U
1,1,2-Trichloroethane	µg/kg	0.11 U	0.092 U	0.094 U	0.079 U	0.1 U	0.087 U	0.09 UT	0.083 U	0.18 U	0.095 U	0.096 U	0.14 U
1,1-Dichloroethane	µg/kg	0.11 U	0.089 U	0.091 U	0.076 U	0.097 U	0.084 U	0.087 UT	0.08 U	0.17 U	0.092 U	0.092 U	0.14 U
1,2,3-Trichloropropane	µg/kg	0.2 U	0.18 U	0.18 U	0.15 U	0.19 U	0.17 U	0.17 UT	0.16 U	0.33 U	0.18 U	0.18 U	0.26 U
1,2-Dichloroethane	µg/kg	0.055 U	0.049 U	0.049 U	0.042 U	0.053 U	0.046 U	0.048 UT	0.044 U	0.091 U	0.05 U	0.05 U	0.072 U
1,2-Dichloropropane	µg/kg	0.062 U	0.055 U	0.056 U	0.047 U	0.06 U	0.052 U	0.054 UT	0.05 U	0.11 U	0.057 U	0.057 U	0.081 U
1,4-Dichloro-trans-2-butene	µg/kg	0.9 U	0.8 U	0.81 UJ	0.68 U	0.87 U	0.75 U	0.78 UT	0.72 U	1.5 U	0.82 U	0.83 U	1.2 U
2-Chloroethyl vinyl ether	µg/kg	0.27 U	0.24 U	0.24 UJ	0.2 U	0.26 U	0.23 U	0.23 UT	0.22 U	0.44 U	0.25 U	0.25 U	0.35 U
Acetone	µg/kg	3.2 U	2.5 U	160	3 U	6.9 J	3.4 J	6.6 JT	5.6 U	13 U	3.9 U	5.5 J	8.5 U
Acrolein	µg/kg	R	R	R	R	R	R	R	R	R	R	R	R
Acrylonitrile	µg/kg	0.41 U	0.36 U	0.37 UJ	0.31 U	0.39 U	0.34 U	0.36 UT	0.33 U	0.68 U	0.37 U	0.38 U	0.54 U

Table 4-6. Analytical Results for Sediment Samples.

Location Name		BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
X_Easting		7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
Y_Northing		725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
Sample ID		LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
Sample Date		12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
Depth Interval		0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
Benzene	µg/kg	0.069 U	0.061 U	0.062 U	0.052 U	I	0.058 U	0.06 UT	0.055 U	0.12 U	0.063 U	0.063 U	0.091 U
Bromochloromethane	µg/kg	0.11 U	0.094 U	0.095 U	0.08 U	0.11 U	0.089 U	0.092 UT	0.085 U	0.18 U	0.097 U	0.097 U	0.14 U
Bromodichloromethane	µg/kg	0.12 U	0.11 U	0.11 U	0.091 U	0.12 U	0.1 U	0.11 UT	0.096 U	0.2 U	0.11 U	0.11 U	0.16 U
Bromoform	µg/kg	0.081 U	0.072 U	0.073 U	0.062 U	0.078 U	0.068 U	0.071 UT	0.065 U	0.14 U	0.074 U	0.075 U	0.11 U
Bromomethane	µg/kg	0.66 U	0.58 U	0.59 U	0.5 U	0.63 U	0.55 U	0.57 UT	0.52 U	1.1 U	0.6 U	0.6 U	0.86 U
Carbon disulfide	µg/kg	0.23 U	0.21 U	0.21 U	0.18 U	0.22 U	0.2 U	0.2 UT	0.19 U	0.38 U	0.21 U	0.21 U	0.31 U
Carbon tetrachloride	µg/kg	0.18 U	0.16 U	0.16 U	0.14 U	0.17 U	0.15 U	0.16 UT	0.14 U	0.29 U	0.16 U	0.16 U	0.23 U
Chlorobenzene	µg/kg	0.13 U	0.11 U	0.12 U	0.093 U	0.12 U	0.11 U	0.11 UT	0.099 U	0.21 U	0.12 U	0.12 U	0.17 U
Chlorodibromomethane	µg/kg	0.12 U	0.11 U	0.11 U	0.091 U	0.12 U	0.1 U	0.11 UT	0.096 U	0.2 U	0.11 U	0.11 U	0.16 U
Chloroethane	µg/kg	0.5 U	0.44 U	0.45 U	0.38 U	0.48 U	0.42 U	0.43 UT	0.4 U	0.82 U	0.46 U	0.46 U	0.65 U
Chloroform	µg/kg	0.099 U	0.087 U	0.089 U	0.075 U	0.095 U	0.083 U	0.086 UT	0.079 U	0.17 U	0.091 U	0.091 U	0.13 U
Chloromethane	µg/kg	0.34 U	0.3 U	0.31 U	0.26 U	0.33 U	0.28 U	0.29 UT	0.27 U	0.56 U	0.31 U	0.31 U	0.44 U
cis-1,3-Dichloropropene	µg/kg	0.055 U	0.049 U	0.049 U	0.042 U	0.053 U	0.046 U	0.048 UT	0.044 U	0.091 U	0.05 U	0.05 U	0.072 U
Dichlorodifluoromethane	µg/kg	6.3	17	6.7	29	6.5	20	7.5 T	6.8	0.68 J	5.6	5	13
Ethylbenzene	µg/kg	0.13 U	0.12 U	0.12 U	0.095 U	0.12 U	0.11 U	0.11 UT	0.1 U	0.21 U	0.12 U	0.12 U	0.17 U
cis-1,2-Dichloroethene	µg/kg	0.11 U	0.097 U	0.098 U	0.083 U	0.11 U	0.092 U	0.095 UT	0.087 U	0.19 U	0.1 U	0.1 U	0.15 U
Isopropylbenzene	µg/kg	0.078 U	0.069 U	0.07 U	0.059 U	0.45 J	0.065 U	0.068 UT	0.062 U	0.13 U	0.071 U	0.071 U	0.11 U
m,p-Xylene	µg/kg	0.23 U	0.21 U	0.21 U	0.18 U	0.22 U	0.2 U	0.2 UT	0.19 U	0.38 U	0.21 U	0.21 U	0.31 U
Methyl iodide	µg/kg	1.2 U	1.1 U	1.1 UJ	0.89 UJ	1.2 U	0.99 U	1.1 UT	0.94 UJ	2 UJ	1.1 UJ	1.1 U	1.6 UJ
Methyl isobutyl ketone	µg/kg	0.43 U	0.38 U	0.38 U	0.32 U	0.41 U	0.36 U	0.37 UT	0.34 U	0.7 U	0.39 U	0.39 U	0.56 U
Methyl n-butyl ketone	µg/kg	1.2 U	1 U	1.1 U	0.85 U	1.1 U	0.94 U	0.98 UT	0.9 U	1.9 U	1.1 U	1.1 U	1.5 U
Methyl tert-butyl ether	µg/kg	0.069 U	0.061 U	0.062 U	0.052 U	0.066 U	0.058 U	0.06 UT	0.055 U	0.12 U	0.063 U	0.063 U	0.091 U
Methylene bromide	µg/kg	0.15 U	0.13 U	0.13 U	0.11 U	0.14 U	0.13 U	0.13 UT	0.12 U	0.24 U	0.14 U	0.14 U	0.19 U
Methylene chloride	µg/kg	0.52 U	0.45 U	0.46 U	1.3 J	0.49 U	0.43 U	0.45 UT	0.41 U	0.85 U	0.47 U	0.47 U	0.67 U
Methylethyl ketone	µg/kg	R	R	R	R	R	R	R	R	R	R	R	R
o-Xylene	µg/kg	0.14 U	0.12 U	0.12 U	0.1 U	0.13 U	0.12 U	0.12 UT	0.11 U	0.22 U	0.13 U	0.13 U	0.18 U
Ethylene dibromide	µg/kg	0.09 U	0.08 U	0.081 U	0.068 U	0.087 U	0.075 U	0.078 UT	0.072 U	0.15 U	0.082 U	0.083 U	0.12 U
Styrene	µg/kg	0.14 U	0.12 U	0.12 U	0.099 U	0.13 U	0.11 U	0.12 UT	0.11 U	0.22 U	0.12 U	0.12 U	0.18 U
Tetrachloroethene	µg/kg	0.17 U	0.15 U	0.16 U	0.13 U	0.17 U	0.15 U	0.15 UT	0.14 U	0.28 U	0.16 U	0.16 U	0.23 U
Toluene	µg/kg	0.27 U	0.24 U	0.24 U	0.2 U	0.26 U	0.23 U	0.23 UT	1.1	0.44 U	0.25 U	0.25 U	0.35 U
trans-1,2-Dichloroethene	µg/kg	0.34 U	0.3 U	0.31 U	0.26 U	0.33 U	0.28 U	0.29 UT	0.27 U	0.56 U	0.31 U	0.31 U	0.44 U
trans-1,3-Dichloropropene	µg/kg	0.078 U	0.069 U	0.07 U	0.059 U	0.075 U	0.065 U	0.068 UT	0.062 U	0.13 U	0.071 U	0.071 U	0.11 U
Trichloroethene	µg/kg	0.11 U	0.097 U	0.098 U	0.083 U	0.11 U	0.092 U	0.095 UT	0.087 U	0.19 U	0.1 U	0.1 U	0.15 U
Trichlorofluoromethane	µg/kg	0.15 U	0.13 U	0.13 U	0.11 U	0.14 U	0.12 U	0.13 UT	0.12 U	0.24 U	0.14 U	0.14 U	0.19 U
Vinyl acetate	µg/kg	R	R	R	R	R	R	R	R	R	R	R	R
Vinyl chloride	µg/kg	0.15 U	0.14 U	0.14 U	0.12 U	0.15 U	0.13 U	0.13 UT	0.12 U	0.25 U	0.14 U	0.14 U	0.2 U
1,1-Dichloroethene	µg/kg	0.15 U	0.13 U	0.13 U	0.11 U	0.14 U	0.13 U	0.13 UT	0.12 U	0.24 U	0.14 U	0.14 U	0.19 U
Xylene	µg/kg	0.23 UT	0.21 UT	0.21 UT	0.18 UT	0.22 UT	0.2 UT	0.2 UT	0.19 UT	0.38 UT	0.21 UT	0.21 UT	0.31 UT
BTEX	µg/kg	0.27 UT	0.24 UT	0.24 UT	0.2 UT	1 T	0.23 UT	0.23 UT	1.1 T	0.44 UT	0.25 UT	0.25 UT	0.35 UT
2-Methylnaphthalene	µg/kg	1 J	5.4	8.3	1.5 J	2.8	3.8	1.6 JT	1.4 J	12	66	74	9.5
Acenaphthene	µg/kg	2.8	6.2	24	15	3.3	3.8	2.75 T	1.5 J	70	41	29	16
Acenaphthylene	µg/kg	3.4	21	37	5.5	1.8 J	0.8 J	1.25 JT	1.3 J	6.2	92	2.1	12
Anthracene	µg/kg	5	17	50	39	11	9.3	7.55 T	6.8	110	130	33	50
Fluorene	µg/kg	2 J	5.9	17	12	2.2 J	4	2.75 T	1.9	41	52	25	15
Naphthalene	µg/kg	0.62 U	16	18	0.47 U	6.8	7.4	0.54 UT	0.5 U	21	170	140	23
Phenanthrene	µg/kg	18	50	150	37	17	31	25 T	13	430	390	140	130
Low Molecular Weight PAH	µg/kg	32.2 JT	122 T	304 T	110 JT	44.9 JT	60.1 JT	40.9 JT	25.9 JT	690 T	941 T	443 T	256 T
Dibenzo(a,h)anthracene	µg/kg	4.7	34	38	24	3.6	5.4	5.9 T	1.4 J	140	250	28	22
Benzo(a)anthracene	µg/kg	25	160	220	370 J	23	28	30.5 T	13	860	1100	110	140
Benzo(a)pyrene	µg/kg	40	280	410	270 J	29	37	39 T	17	1100	1700	150	190
Benzo(b)fluoranthene	µg/kg	30	210	230	310 J	33	36	38.5 T	15	1000	1200	150	170
Benzo(g,h,i)perylene	µg/kg	38	270	310	92	28	34	39 T	13	690	1200	120	160
Benzo(k)fluoranthene	µg/kg	23	160	200	250 J	22	26	30.5 T	11	710	1100	87	130
Chrysene	µg/kg	35	240	270	620 J	46	38	46 T	22	1000	1500	180	230

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
Fluoranthene	µg/kg	32	190 J	290	150	37	46	57 T	28	1300	1800	200	380
Indeno(1,2,3-cd)pyrene	µg/kg	34	240	310	140	25	33	36 T	13	870	1300	120	160
Pyrene	µg/kg	49	260	390	250 J	56	58	78.5 T	34	1200	2100	210	410
High Molecular Weight PAH	µg/kg	311 T	2040 JT	2670 T	2480 JT	303 T	341 T	401 T	167 JT	8870 T	13300 T	1360 T	1990 T
Polycyclic Aromatic Hydrocarbons	µg/kg	343 JT	2170 JT	2970 T	2590 JT	348 JT	402 JT	442 JT	193 JT	9560 T	14200 T	1800 T	2250 T
1,2,4-Trichlorobenzene	µg/kg	0.64 U	0.56 U	0.57 U	0.48 U	0.61 U	0.53 U	0.55 UT	0.51 U	1.1 U	0.58 U	0.59 U	0.84 U
1,2-Dichlorobenzene	µg/kg	0.14 U	0.12 U	0.12 U	0.1 U	0.13 U	0.16 J	0.12 UT	0.11 U	0.22 U	0.13 U	0.13 U	0.18 U
1,3-Dichlorobenzene	µg/kg	0.2 U	0.18 U	0.18 U	0.15 U	0.19 U	0.17 U	0.17 UT	0.16 U	0.33 U	0.18 U	0.18 U	0.26 U
1,4-Dichlorobenzene	µg/kg	0.22 U	0.19 U	0.19 U	0.16 U	0.21 U	0.18 U	0.19 UT	0.17 U	0.35 U	0.2 U	0.2 U	0.28 U
Azobenzene	µg/kg	4.3 U	3.8 U	3.9 U	3.6 U	4.1 U	3.6 U	3.7 UT	3.3 U	7.8 U	53 U	3.9 U	33 U
2,4-Dinitrotoluene	µg/kg	5 U	4.4 U	4.5 U	4.1 U	4.8 U	4.2 U	4.3 UT	3.9 U	9.1 U	62 U	4.6 U	38 U
2,6-Dinitrotoluene	µg/kg	5 U	4.4 U	4.5 U	4.1 U	4.8 U	4.2 U	4.3 UT	3.9 U	9.1 U	62 U	4.6 U	38 U
2-Chloronaphthalene	µg/kg	6.4 U	5.6 U	5.8 U	5.3 U	6.1 U	5.3 U	5.5 UT	5 U	12 U	80 U	5.9 U	49 U
2-Nitroaniline	µg/kg	4.8 U	4.2 U	4.3 U	4 U	4.6 U	4 U	4.2 UT	3.7 U	8.8 U	60 U	4.4 U	37 U
3,3'-Dichlorobenzidine	µg/kg	6.6 U	R	5.9 U	5.5 U	6.3 U	5.5 U	5.7 UT	5.1 U	12 U	82 U	6 U	50 U
3-Nitroaniline	µg/kg	4.6 U	4.1 U	4.2 U	3.9 U	4.4 U	3.9 U	4 UT	3.6 U	8.5 U	58 U	4.2 U	35 U
4-Bromophenyl phenyl ether	µg/kg	2.5 U	2.2 U	2.3 U	2.1 U	2.4 U	2.1 U	2.2 UT	2 U	4.6 U	31 U	2.3 U	19 U
4-Chloroaniline	µg/kg	3.7 U	3.3 U	3.4 U	3.1 U	3.6 U	3.1 U	3.3 UT	2.9 U	6.8 U	47 U	3.4 U	29 U
4-Chlorophenyl phenyl ether	µg/kg	3.6 U	3.2 U	3.2 U	3 U	3.4 U	3 U	3.1 UT	2.8 U	6.5 U	45 U	3.3 U	27 U
4-Nitroaniline	µg/kg	6 U	5.3 U	5.5 U	5 U	5.8 U	5 U	5.2 UT	4.7 U	12 U	75 U	5.5 U	46 U
Aniline	µg/kg	2.7 U	R	2.4 U	R	2.6 U	2.3 U	2.3 UT	2.1 U	4.9 U	34 U	2.5 U	21 U
Benzoic acid	µg/kg	170 U	150 U	160 U	150 U	170 U	150 U	150 UT	140 U	320 U	2200 U	160 U	1300 U
Benzyl alcohol	µg/kg	6.6 U	5.8 U	5.9 U	5.5 U	6.3 U	5.5 U	5.7 UT	5.1 U	12 U	82 U	6 U	50 U
Bis(2-chloroethoxy) methane	µg/kg	2.3 U	2.1 U	2.1 U	2 U	2.2 U	2 U	2 UT	1.8 U	4.3 U	29 U	2.1 U	18 U
Bis(2-chloroethyl) ether	µg/kg	4.3 U	3.8 U	3.9 U	3.6 U	4.1 U	3.6 U	3.7 UT	3.3 U	7.8 U	53 U	3.9 U	33 U
Carbazole	µg/kg	2.3 U	6.6 J	4.3 J	2.3 J	2.2 U	3.4 J	3.35 JT	1.9 J	78	110 J	99	18 U
Dibenzofuran	µg/kg	0.37 J	2.9	2.2	2.8	1.2 J	1.7 J	1.35 JT	0.77 J	17	34	15	5.3
Hexachlorobenzene	µg/kg	0.0404 J	0.22	0.122 JT	0.0122 J	0.087 J	0.0629 J	0.0781 JT	0.0613 J	0.306	0.134 J	0.0563 J	0.278
Hexachlorobutadiene	µg/kg	0.00277 UJ	0.0145 UJ	0.00624 UJT	0.0128 UJ	0.0126 UJ	0.25 U	0.114 JT	0.0113 UJ	0.0279 UJ	0.0124 UJ	0.0135 UJ	0.0508 UJ
Hexachlorocyclopentadiene	µg/kg	27 U	24 U	24 U	22 U	26 U	23 U	23 UT	21 U	49 U	340 U	25 U	210 U
Hexachloroethane	µg/kg	0.39 J	0.81 UJ	0.83 U	0.89 NJ	0.52 J	0.077 UJ	0.605 JT	0.15 U	1.7 U	1.2 U	0.33 UJ	1.4 U
Isophorone	µg/kg	2.9 U	2.5 U	2.6 U	2.4 U	2.8 U	2.4 U	2.5 UT	2.2 U	5.2 U	36 U	2.6 U	22 U
Nitrobenzene	µg/kg	3.6 U	3.2 U	3.2 U	3 U	3.4 U	3 U	3.1 UT	2.8 U	6.5 U	45 U	3.3 U	27 U
N-Nitrosodimethylamine	µg/kg	11 U	9.5 U	9.8 U	9 U	11 U	9 U	9.3 UT	8.4 U	20 U	140 U	9.9 U	82 U
N-Nitrosodipropylamine	µg/kg	5.7 U	5 UJ	5.1 U	4.7 U	5.5 U	4.7 UJ	4.9 UT	4.4 U	11 U	71 U	5.2 U	43 U
N-Nitrosodiphenylamine	µg/kg	3.9 U	3.5 U	3.6 U	3.3 U	3.8 U	3.3 U	3.4 UT	3.1 U	7.2 U	49 U	3.6 U	30 U
Bis(2-chloroisopropyl) ether	µg/kg	2.2 U	1.9 U	2 U	1.8 U	2.1 U	1.8 U	1.9 UT	1.7 U	3.9 U	27 U	2 U	17 U
Dimethyl phthalate	µg/kg	3.2 U	2.8 U	2.9 U	2.7 U	3.1 U	2.7 U	2.8 UT	2.5 U	5.9 U	40 U	3 U	25 U
Diethyl phthalate	µg/kg	6.2 U	5.5 U	5.6 U	5.2 U	6 U	18	5.4 UT	4.8 U	12 U	78 U	5.7 U	47 U
Dibutyl phthalate	µg/kg	4.6 U	180 J	4.2 U	5.5 J	4.8 U	6.5 U	8.2 UT	4 J	9.9 J	58 U	4.7 U	35 U
Butylbenzyl phthalate	µg/kg	2.7 U	35	2.4 U	2.2 U	2.6 U	6.1 J	9.1 JT	76	14 J	34 U	2.5 U	21 U
Di-n-octyl phthalate	µg/kg	2.2 U	1.9 U	2 U	1.8 U	2.1 U	1.8 U	1.9 UT	1.7 U	3.9 U	27 U	2 U	17 U
Bis(2-ethylhexyl) phthalate	µg/kg	8 U	85 J	9.6 J	7 J	87	51 U	109 T	21	88	100 J	22 U	74 J
2,3,5,6-Tetrachlorophenol	µg/kg	0.74 U	0.66 U	0.67 U	6.8 U	0.71 U	0.62 U	0.65 UT	0.58 U	1.4 U	0.93 U	0.68 U	1.6 J
2,4,5-Trichlorophenol	µg/kg	6.1 U	2.1 U	1.5 U	7.3 U	3.9 U	2.6 U	7.4 UT	6.1 J	16 U	5.3 J	3.2 U	14 U
2,4,6-Trichlorophenol	µg/kg	0.57 U	0.47 U	0.62 U	0.37 U	0.52 U	0.37 U	0.39 UT	0.35 U	0.81 U	0.56 U	0.41 U	0.92 U
2,4-Dichlorophenol	µg/kg	3.2 U	2.8 U	2.9 U	2.7 U	3.1 U	2.7 U	2.8 UT	2.5 U	5.9 U	40 U	3 U	25 U
2,4-Dimethylphenol	µg/kg	9.7 U	8.6 U	8.8 U	8.1 U	9.3 U	8.1 U	8.4 UT	7.6 U	18 U	130 U	8.9 U	74 U
2,4-Dinitrophenol	µg/kg	64 U	56 U	58 U	53 U	61 U	53 U	55 UT	50 U	120 U	800 U	59 U	490 U
2-Chlorophenol	µg/kg	3 U	2.7 U	2.8 U	2.5 U	2.9 U	2.5 U	2.6 UT	2.4 U	5.6 U	38 U	2.8 U	23 U
2-Methylphenol	µg/kg	6 U	5.3 U	5.5 U	5 U	5.8 U	5 U	5.2 UT	4.7 U	12 U	75 U	5.5 U	46 U
2-Nitrophenol	µg/kg	4.6 U	4.1 U	4.2 U	3.9 U	4.4 U	3.9 U	4 UT	3.6 U	8.5 U	58 U	4.2 U	35 U
4,6-Dinitro-2-methylphenol	µg/kg	3 U	2.7 U	2.8 U	2.5 U	2.9 U	2.5 U	2.6 UT	2.4 U	5.6 U	38 U	2.8 U	23 U
4-Chloro-3-methylphenol	µg/kg	3.7 U	3.3 U	3.4 U	3.1 U	3.6 U	3.1 U	3.3 UT	2.9 U	6.8 U	47 U	3.4 U	29 U

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
4-Methylphenol	µg/kg	5.2 U	6.2 J	4.7 U	4.3 U	4.9 U	4.3 U	4.5 UT	4 U	9.4 U	64 U	26	39 U
4-Nitrophenol	µg/kg	0.38 UJ	0.34 UJ	0.36 UJ	0.34 UJ	0.33 UJ	0.32 UJ	0.33 UJT	0.31 U	0.58 UJ	0.42 UJ	0.38 UJ	0.5 UJ
Pentachlorophenol	µg/kg	0.71 UJ	2.2 J	0.67 UJ	0.63 UJ	1.1 J	0.6 UJ	1.3 JT	8.1	22	18	0.7 UJ	0.93 UJ
Phenol	µg/kg	3.4 U	3 U	3.5 J	2.8 U	6.5 J	2.8 U	7.45 JT	12 J	22 J	42 U	6.4 J	26 U
2,3,4,5-Tetrachlorophenol	µg/kg	0.76 U	7.7 U	0.69 U	0.63 U	0.73 U	0.64 U	0.66 UT	1.3 J	13 U	9.4 U	0.7 U	4.9 U
Dalapon	µg/kg	0.28 UJ	0.25 UJ	0.27 UJ	0.25 UJ	0.25 UJ	0.24 UJ	0.25 UJT	0.23 U	0.43 UJ	0.31 UJ	0.28 UJ	0.37 UJ
Dicamba	µg/kg	1 UJ	0.9 UJ	0.95 UJ	0.9 UJ	0.89 UJ	0.85 UJ	0.88 UJT	0.83 U	1.5 UJ	1.1 UJ	1 UJ	1.3 UJ
MCPA	µg/kg	0.68 UJ	0.61 UJ	0.64 UJ	0.61 UJ	0.6 UJ	0.57 UJ	0.59 UJT	0.56 U	1 UJ	0.75 UJ	0.67 UJ	0.89 UJ
Dichloroprop	µg/kg	0.51 UJ	0.46 UJ	0.48 UJ	0.46 UJ	0.45 UJ	0.43 UJ	0.45 UJT	0.42 U	0.78 UJ	0.56 UJ	0.51 UJ	0.67 UJ
2,4-D	µg/kg	0.32 UJ	0.29 UJ	0.3 UJ	0.29 UJ	0.28 UJ	0.27 UJ	0.28 UJT	0.26 U	0.49 UJ	0.35 UJ	0.32 UJ	0.42 UJ
Silvex	µg/kg	0.47 UJ	0.42 UJ	0.44 UJ	0.42 UJ	0.41 UJ	0.39 UJ	0.41 UJT	0.38 U	0.71 UJ	0.52 UJ	0.46 UJ	0.61 UJ
2,4,5-T	µg/kg	0.47 UJ	0.42 UJ	0.44 UJ	0.42 UJ	0.41 UJ	0.39 UJ	0.41 UJT	0.38 U	0.71 UJ	0.52 UJ	0.46 UJ	0.61 UJ
2,4-DB	µg/kg	0.47 UJ	0.42 UJ	0.45 UJ	0.42 UJ	0.42 UJ	0.4 UJ	0.41 UJT	0.39 U	0.72 UJ	0.52 UJ	0.47 UJ	0.62 UJ
Dinoseb	µg/kg	0.64 UJ	0.58 UJ	0.61 UJ	0.58 UJ	0.57 UJ	0.54 UJ	0.56 UJT	0.53 U	0.98 UJ	0.71 UJ	0.64 UJ	0.84 UJ
MCPP	µg/kg	0.62 UJ	0.55 UJ	0.59 UJ	0.56 UJ	0.55 UJ	0.52 UJ	0.54 UJT	0.51 U	0.95 UJ	0.69 UJ	0.62 UJ	0.81 UJ
2,4'-DDD	µg/kg	0.216	0.978	1.05 T	0.0322 J	0.496	0.222	0.345 T	0.267	2.18	0.869	2.09	0.0368 U
2,4'-DDE	µg/kg	0.0371 J	0.18 J	0.0628 JT	0.00495 J	0.0771 J	0.0405 J	0.0641 JT	0.0349 J	0.192 J	0.168 J	0.0956 J	0.193 J
2,4'-DDT	µg/kg	0.0726 J	0.116 J	0.0527 JT	0.0157 J	0.0509 J	0.0542 J	0.0774 JT	0.257	0.526	0.854	0.184	0.869
4,4'-DDD	µg/kg	1.02	4.19	3.5 T	0.13 J	1.97	1	1.66 T	1.63	9.03	4.34	9.05	10.7
4,4'-DDE	µg/kg	1.08	1.91	0.682 T	0.108 J	1.18	0.517	0.834 T	1	4.07	3.49	2.27	4.26
4,4'-DDT	µg/kg	0.363	0.791	0.363 T	0.0613 J	0.582	0.301	0.467 T	1.74	3	4.15	2.38	49.1
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	2.46 T	6.89 T	4.55 T	0.299 JT	3.73 T	1.82 T	2.96 T	4.37 T	16.1 T	12 T	13.7 T	64.1 T
Aldrin	µg/kg	0.0206 J	0.0417 J	0.017 JT	0.00333 J	0.0269 J	0.0156 U	0.031 JT	0.0267 J	0.117 J	0.109 J	0.0625 J	0.0969 J
alpha-Hexachlorocyclohexane	µg/kg	0.00238 J	0.956 U	0.0051 JT	0.00139 U	0.0052 J	0.00467 J	0.00355 JT	0.124 U	0.0126 U	0.0422 J	0.00505 J	0.00941 U
beta-Hexachlorocyclohexane	µg/kg	0.0472 U	0.377 U	0.00206 JT	0.00112 U	0.00138 J	0.00359 J	0.00196 JT	0.0107 U	0.0142 J	0.0216 J	0.109 U	0.102 U
delta-Hexachlorocyclohexane	µg/kg	0.0169 U	0.00139 U	0.000979 UT	0.0149 U	0.00131 U	0.00125 U	0.0018 JT	0.00119 U	0.00313 U	0.0157 J	0.00164 U	0.00235 J
gamma-Hexachlorocyclohexane	µg/kg	0.0161 U	0.129 U	0.00469 JT	0.0142 U	0.00884 J	0.0031 J	0.00324 JT	0.0167 U	0.0216 J	0.0565 J	0.0138 J	0.0129 U
cis-Chlordane	µg/kg	0.0755 J	0.112 J	0.095 JT	0.00955 J	0.072 J	0.0584 J	0.0669 JT	0.125 J	0.486	0.347 J	0.907	0.305 J
trans-Chlordane	µg/kg	0.0801 J	0.142 J	0.111 JT	0.0105 J	0.0963 J	0.0718 J	0.0875 JT	0.142 J	0.543	0.368 J	1.14	0.267 J
Oxychlordane	µg/kg	0.0635 U	0.0634 U	0.0601 UT	0.056 U	0.0637 U	0.0684 U	0.0613 UT	0.0171 U	0.0123 U	0.0652 U	0.0589 U	0.0683 U
cis-Nonachlor	µg/kg	0.0304 J	0.0361 J	0.0234 JT	0.00457 J	0.0317 J	0.0219 J	0.0225 JT	0.0522 J	0.187 J	0.171 J	0.317 J	0.123 J
trans-Nonachlor	µg/kg	0.0633 J	0.101 J	0.0579 JT	0.0103 J	0.06 J	0.0529 J	0.0613 JT	0.111 J	0.365 J	0.32 J	0.746	0.266 J
Total Chlordanes	µg/kg	0.249 JT	0.391 JT	0.287 JT	0.0349 JT	0.26 JT	0.205 JT	0.238 JT	0.43 JT	1.58 JT	1.21 JT	3.11 JT	0.961 JT
Dieldrin	µg/kg	0.0348 J	0.0924 J	0.075 JT	0.00834 J	0.0441 J	0.0399 J	0.0347 JT	0.0622 J	0.156 J	0.152	0.0835 J	0.137 J
alpha-Endosulfan	µg/kg	0.0143 U	0.0505 U	0.0117 UT	0.0223 U	0.0254 U	0.24	0.0183 JT	0.0262 U	0.0418 J	0.026 U	0.0283 U	0.0272 U
beta-Endosulfan	µg/kg	0.0446 U	0.0892 U	0.0422 UT	0.015 U	0.0305 J	0.0615 J	0.0323 JT	0.0462 U	0.0753 J	0.0458 U	0.0304 J	0.0515 J
Endosulfan sulfate	µg/kg	0.0435 U	0.0778 U	0.0497 JT	0.00837 J	0.0479 J	0.0337 U	0.0358 JT	0.0466 J	0.177	0.107 J	0.0649 J	0.217
Endrin	µg/kg	0.0177 U	0.0354 U	0.00198 JT	0.0156 U	0.0178 U	0.0175 U	0.0171 UT	0.0183 U	0.0201 U	0.0182 U	0.0328 U	0.019 U
Endrin aldehyde	µg/kg	0.181 U	0.361 U	0.171 UT	0.159 U	0.181 U	0.179 U	0.175 UT	0.187 U	0.205 U	0.186 U	0.336 U	0.195 U
Endrin ketone	µg/kg	0.111 U	0.222 U	0.105 UT	0.0977 U	0.111 U	0.11 U	0.107 UT	0.115 U	0.00547 J	0.00553 J	0.206 U	0.119 U
Heptachlor	µg/kg	0.0208 U	0.00334 J	0.00595 UT	0.0183 U	0.0025 U	0.0069 U	0.00253 UT	0.0215 U	0.0131 U	0.00426 J	0.0193 U	0.00454 U
Heptachlor epoxide	µg/kg	0.00324 J	0.00588 U	0.0058 JT	0.016 U	0.00245 J	0.00191 U	0.00161 JT	0.00368 J	0.00846 J	0.0105 J	0.00524 U	0.0069 J
Methoxychlor	µg/kg	0.0257 U	0.0722 U	0.036 UT	0.0226 U	0.0257 U	0.0254 U	0.041 UT	0.05 U	0.3 U	0.11 U	0.0476 U	0.0339 U
Mirex	µg/kg	0.2 U	0.7 U	0.72 U	0.14 U	0.095 J	0.1 J	0.17 JT	0.28 U	1.8 U	4 J	0.23 U	3.2 NJ
Toxaphene	µg/kg	28 U	340 U	59 U	12 U	36 U	46 U	67 UT	8.3 U	150 U	130 U	46 U	210 U
Chlordane (cis & trans)	µg/kg	0.156 JT	0.254 JT	0.206 JT	0.0201 JT	0.168 JT	0.13 JT	0.154 JT	0.267 JT	1.03 T	0.715 JT	2.05 T	0.572 JT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.011 U	0.009 U	0.01 U	0.008 U	0.014 U	0.032 U	0.013 UT	0.016 U	0.023 U	0.015 U	0.012 U	0.462
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.015 U	0.08 U	0.014 U	0.011 U	0.047 U	0.084 U	0.042 UT	0.07 J	0.158 J	0.02 U	0.023 U	0.136 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.034 U	0.106 J	0.045 J	0.042 J	0.081 J	0.096 U	0.055 JT	0.116 J	0.189 J	0.188 J	0.085 U	0.166 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.087 U	0.631 J	0.459 J	0.2 J	0.496 J	0.543 J	0.28 JT	1.99	5.45	5.739	0.428 J	1.354 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.049 U	0.363 J	0.164 J	0.229 J	0.205 U	0.319 J	0.214 JT	0.47 J	0.963 J	0.725 J	0.144 J	0.695 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2.173	19.829	19.476	8.323	9.858	13.951	7.54 T	82.472	131.549	183.748	6.983	37.811
2,3,7,8-*Tetrachlorodibenzofuran*	pg/g	0.242 U	1.664	0.374	0.164 U	0.275 U	0.186 J	0.018 UT	0.017 U	0.491 J	0.235 U	0.138 J	1.044
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	2.457	0.627 J	0.164 J	0.006 U	0.358 J	0.112 U	0.055 UT	0.04 J	1.407 J	0.503 J	0.097 J	0.454 J

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.858 J	0.929 J	0.109 J	0.006 U	0.242 J	0.124 J	0.06 UT	0.049 U	8.333	0.543 J	0.102 J	0.368 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	5.97	1.18 J	0.24 U	0.124 U	0.467 J	0.311 J	0.146 JT	0.364 U	36.248	5.303	0.245 J	0.741 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	1.508 J	0.355 J	0.081 J	0.05 J	0.199 J	0.144 J	0.07 UT	0.101 J	4.917	1.344 J	0.114 J	0.271 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.113 J	0.024 U	0.009 U	0.014 U	0.034 U	0.026 U	0.019 UT	0.031 U	0.072 U	0.114 U	0.038 U	0.023 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.208 J	0.206 J	0.041 J	0.062 J	0.108 J	0.172 J	0.149 JT	0.2 J	5.973	1.684	0.072 U	0.268 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	1.97	4.016	0.763 U	0.657 U	1.887	1.954	1.3 JT	23.555	44.364	37.752	1.484	3.634
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.659 J	0.24 J	0.069 J	0.041 U	0.148 J	0.136 J	0.043 UT	0.688 J	6.03	3.015	0.163 J	0.312 J
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.044	0.561	0.322	0.112	0.276	0.306	0.013 UT	0.098	0.023 U	0.081	0.335	0.577
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.015 U	0.298	0.302	0.069	0.979	0.186	0.164 T	0.289	0.711	0.207	0.023 U	0.704
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.391	3.772	4.709	4.409	6.622	3.825	2.06 T	12.588	25.537	26.618	2.781	13.374
Heptachlorodibenzo-p-dioxin homologs	pg/g	4.903	46.666	42.652	55.307	27.368	32.261	17.8 T	247.646	319.068	447.668	17.263	160.844
Octachlorodibenzo-p-dioxin	pg/g	18.149	189.907	115.297	60.799	158.493	112.439	57.3 T	1028.44 J	1094.901	2042.325 J	68.937	294.553
Tetrachlorodibenzofuran homologs	pg/g	1.355	21.284	1.824	0.078	0.999	1.319	0.252 T	0.077	2.731	0.541	0.481	2.099
Pentachlorodibenzofuran homologs	pg/g	5.264	7.707	1.34	0.38	2.524	2.097	0.815 T	0.949	70.625	7.039	1.388	3.346
Hexachlorodibenzofuran homologs	pg/g	9.385	5.838	1.581	1.41	4.469	3.791	1.84 T	20.6	179.375	94.358	2.714	7.042
Heptachlorodibenzofuran homologs	pg/g	4.103	17.819	3.038	2.201	7.581	6.439	3.89 T	129.909	185.679	158.73	5.189	12.222
Octachlorodibenzofuran	pg/g	3.02 J	22.879	3.498	2.085 J	4.976	5.613	4.68 T	159.847	86.347	55.147	4.376	11.83
Aroclor 1016	µg/kg	2 U	18 U	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	1.6 U	3.6 U	2.5 U	1.8 U	4.5 U
Aroclor 1221	µg/kg	2 U	18 U	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	2 U	3.6 U	2.5 U	3.7 U	5.3 U
Aroclor 1232	µg/kg	2 U	18 U	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	3.9 U	3.6 U	2.5 U	3.4 U	9.9 U
Aroclor 1242	µg/kg	2 U	18 U	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	2.8 U	3.6 U	2.5 U	1.8 U	7.6 U
Aroclor 1248	µg/kg	29 J	570	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	1.6 U	3.6 U	2.5 U	2.6 U	5.6 U
Aroclor 1254	µg/kg	31 J	410	3.2 U	1.7 U	15 J	34 J	56.5 T	1.6 U	30 J	11 U	5.3 U	7.9 U
Aroclor 1260	µg/kg	14	150	3.3	1.7 U	14	20	36 T	1.6 U	36	16 J	7.5 J	11 U
Aroclor 1262	µg/kg	2 U	18 U	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	1.6 U	3.6 U	2.5 U	1.8 U	3 U
Aroclor 1268	µg/kg	2 U	18 U	1.8 U	1.7 U	1.9 U	1.7 U	1.7 UT	1.6 U	3.6 U	2.5 U	1.8 U	3 U
Aroclors	µg/kg	74 JT	1130 T	3.3 T	1.7 UT	29 JT	54 JT	92.5 T	3.9 UT	66 JT	16 JT	7.5 JT	11 UT
PCB001	pg/g	7.8	420	5.98	5.28 U	9.97	16.7	38 T	2.46 U	28	668	5.19 U	34.2
PCB002	pg/g	6.78	49.5	5.12 U	5.28 U	5.46	5.21 U	8.93 T	2.46 U	23	21.6	6.43	18.9
PCB003	pg/g	7.02	214	5.51	5.28 U	11.9	15.6	36.9 T	2.46 U	30.8	113	5.19 U	33.8
PCB004 & 010	pg/g	57.1	3440	10.2 U	10.6 U	57.4	51.6	111 T	6.93 U	170	2390	19.3 U	24.6 U
PCB005 & 008	pg/g	91.2	2560	21.7 U	10.6 U	150	155	324 T	36.5	412	1400	52.2	86.1
PCB006	pg/g	24.2	591	10.2 U	10.6 U	47.4	34.1	70.1 T	8.16 U	96.3	291	10.4 U	22.8 U
PCB007 & 009	pg/g	9.92 U	180	10.2 U	10.6 U	9.9 U	15.3 U	36.6 T	4.91 U	43.1 U	102	10.4 U	12.6 U
PCB011	pg/g	58.1	140	46.5	14.9 U	76.8	27.6 U	46.1 T	20.5	220	103	60.3	162
PCB012 & 013	pg/g	16.3 U	377	10.2 U	10.6 U	9.9 U	19.6 U	44.7 T	5.24 U	64.7	89.9	10.4 U	16.7 U
PCB014	pg/g	9.78 U	10.1 U	10.2 U	10.6 U	9.9 U	10.4 U	10.2 UT	4.91 U	13.7 U	10 U	10.4 U	9.99 U
PCB015	pg/g	188	3950	38.5	12.1 U	192	229	446 T	57.3	522	481	41.3	85.2
PCB016 & 032	pg/g	269	5570	37.7	14.3	199	192	390 T	45.2	412	396	77.8	74.7
PCB017	pg/g	107	1880	22.6	8.33	124	95.9	196 T	25.2	289	350	54.5	53.8
PCB018	pg/g	214	4600	52.5	19.5	268	235	493 T	62.3	490	320	109	103
PCB019	pg/g	51.4	1020	13.5	6.57	59.7	44.1	84.7 T	13	229	322	38.3	46.3
PCB020 & 021 & 033	pg/g	175	2930	37.2	17	257	238	439 T	63.2	641	231	99.6	100
PCB022	pg/g	257	4350	26.6	10.4	160	158	290 T	41	405	142	61	68.9
PCB023	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB024 & 027	pg/g	35.9	694	6.09	5.28 U	32.8	31.9	61.6 T	7.64	109	97.4	13.3	15.5
PCB025	pg/g	40.5	792	6.81	5.28 U	142	39.6	77.2 T	10.3	127	81.7	19.5	38.8
PCB026	pg/g	86.1	1930	5.12 U	5.45	4.95 U	65.6	123 T	17.9	194	90.6	31.2	5 U
PCB028	pg/g	1080	18100	94	35	540	459	879 T	131	1220	494	209	218
PCB029	pg/g	4.89 U	21.1	5.12 U	5.28 U	4.95 U	5.21 U	6.02 T	2.46 U	8.82	5.02 U	5.19 U	5 U
PCB030	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB031	pg/g	591	11100	73.4	26.5	439	319	686 T	110	979	467	159	190
PCB034	pg/g	7.51	51.4	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB035	pg/g	9.51	197	5.12 U	5.28 U	10.4	9.99	18.6 T	3.02	28.1	8.85	5.19 U	6.2

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
PCB036	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB037	pg/g	406	6710	40.1	13.5	180	192	370 T	55.1	529	138	60.2	78.9
PCB038	pg/g	12.3	209	5.12 U	5.28 U	8.33	5.21 U	8.38 T	2.46 U	15	5.02 U	5.19 U	5 U
PCB039	pg/g	4.89 U	31.9	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB040	pg/g	387	6970	27.3	7.33	109	134	261 T	25.2	198	57.2	45.8	38.3
PCB041 & 064 &071 &072	pg/g	2390	44700	144	37	689	742	1390 T	136	1270	327	255	239
PCB042 & 059	pg/g	781	14600	48.9	13.6	251	248	475 T	50.3	422	114	93.1	84.6
PCB043 & 049	pg/g	1940	34200	127	33.6	937	708	1300 T	111	1120	325	274	283
PCB044	pg/g	2480	46500	148	40.1	783	987	1900 T	126	1460	348	261	257
PCB045	pg/g	327	6510	23.3	5.28 U	82.4	106	208 T	23.6	153	50.4	38.7	31.4
PCB046	pg/g	136	2590	11.5	5.28 U	48.8	50	98.9 T	9.88	81.6	27.2	18.8	15.8
PCB047	pg/g	807	13100	68.2	23	489	243	448 T	60.9	719	221	161	162
PCB048 & 075	pg/g	317	6760	28.7	7.76	143	126	245 T	28.4	260	67.5	48.9	48.1
PCB050	pg/g	6.51	85.8	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	11.7	5.02 U	5.19 U	5 U
PCB051	pg/g	103	1810	16.1	5.46	95.8	48.2	88.5 T	14.5	163	55.6	38	38.8
PCB052 & 069	pg/g	2480	45700	201	50.6	1240	1630	3000 T	150	2010	487	354	384
PCB053	pg/g	329	6360	34.4	8.77	150	127	238 T	28.1	245	88.7	67.5	69
PCB054	pg/g	6.19	69.6	5.12 U	5.28 U	12.4	5.21 U	7.67 T	2.91	34.6	13.5	9.3	11.2
PCB055	pg/g	22	443	5.12 U	5.28 U	10.3	15	29.3 T	2.46 U	24	6.17	5.19 U	5 U
PCB056 & 060	pg/g	1470	28600	79.7	18.2	255	310	596 T	57.4	588	160	123	151
PCB057	pg/g	7.77	118	5.12 U	5.28 U	8.26	5.21 U	6.93 T	2.46 U	10.4	5.02 U	5.19 U	5 U
PCB058	pg/g	6.38	65.7	5.12 U	5.28 U	5.01	5.21 U	5.4 T	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB061 & 070	pg/g	1920	37600	149	32.6	665	925	1740 T	103	1410	350	262	313
PCB062	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB063	pg/g	72.5	1200	5.16	5.28 U	24.2	20.8	38.6 T	3.88	42.5	12.4	9.92	9.76
PCB065	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB066 & 076	pg/g	2230	39700	130	27.1	489	511	964 T	90.9	927	282	220	257
PCB067	pg/g	42.3	738	5.12 U	5.28 U	24.2	20	36.8 T	3.95	42.3	9.9	8.79	8.95
PCB068	pg/g	16.5	124	5.12 U	5.28 U	22.4	7.6	14 T	2.46 U	15.2	6.47	5.24	5.81
PCB073	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB074	pg/g	1050	18600	62.5	14.1	219	284	536 T	45	524	138	102	124
PCB077	pg/g	255	4390	16.1	4.44 J	44.7	54.7	99 T	13	116	37.3	24.6	32.2
PCB078	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB079	pg/g	19.7	349	5.12 U	5.28 U	17.1	22.4	41.5 T	2.46 U	24.4	8.37	5.81	6.14
PCB080	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB081	pg/g	8.73	275	1.18 J	0.523 U	3.7 J	9.91	15.6 JT	0.567 J	10.3	2.34 J	1.1 J	2.47 J
PCB082	pg/g	432	8070	33.9	8.58	147	332	601 T	19.7	335	86	51.8	55.5
PCB083	pg/g	4.89 U	71.3	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB084 & 092	pg/g	953	17000	136	33.7	741	1290	2370 T	75.4	1350	385	230	227
PCB085 & 116	pg/g	602	10800	44.7	11.9	214	440	815 T	29.9	449	120	74.9	85
PCB086	pg/g	32.6	726	5.12 U	5.28 U	6.18	12.5	21 T	2.46 U	14.6	5.02 U	5.19 U	5 U
PCB087 & 117 & 125	pg/g	996	18400	89.9	27.2	518	1160	2200 T	62.9	1210	295	156	181
PCB088 & 091	pg/g	463	7520	56.2	14.5	271	421	738 T	33	492	144	93.9	95.5
PCB089	pg/g	57.7	1140	5.12 U	5.28 U	13.6	25.1	46 T	2.46 U	31	7.44	6.19	5.56
PCB090 & 101	pg/g	2020	34600	287	79.5	1690	3010	5590 T	173	3150	1050	534	578
PCB093	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB094	pg/g	21.5	341	5.12 U	5.28 U	16.1	14.1	24.6 T	2.74	36.4	11.7	8.41	7.87
PCB095 & 098 & 102	pg/g	1720	27900	270	75.2	1330	2490	4440 T	146	2620	843	445	431
PCB096	pg/g	37.9	621	5.12 U	5.28 U	14.4	21.2	38.3 T	2.99	33.3	9.96	6.51 U	8.54
PCB097	pg/g	815	14500	76.3	19.3	436	895	1660 T	47	870	227	128	144
PCB099	pg/g	1100	19400	123	32.5	767	1170	2120 T	78.1	1310	367	232	255
PCB100	pg/g	14.6	160	7.39	5.28 U	32.6	13.2	23.2 T	6.35	71.1	24.9	17.6	20.3
PCB103	pg/g	21.2	261	8.63	5.28 U	35.4	21.7	36.7 T	4.59	51.2	20.7	15.8	17.4
PCB104	pg/g	4.89 U	5.82	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U

Table 4-6. Analytical Results for Sediment Samples.

Location Name		BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
X_Easting		7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
Y_Northing		725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
Sample ID		LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
Sample Date		12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
Depth Interval		0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
PCB105	pg/g	907	17800	78.7	19.2	381	816	1470 T	57.7	1010	219	111	156
PCB106 & 118	pg/g	1960	32900	223	54.6	1190	2460	4480 T	153	2710	717	355	452
PCB107 & 109	pg/g	154	2760	20.5	5.28 U	107	178	311 T	11.5	201	59.7	35.1	42.3
PCB108 & 112	pg/g	132	2390	16.9	5.28 U	83.1	141	253 T	9.36	152	45.5	25.8	26.8
PCB110	pg/g	2480	43300	380	85.7	1850	3620	6590 T	213	3590	1180	558	611
PCB111 & 115	pg/g	65.7	1580	5.12 U	5.28 U	23.3	56.3	102 T	3.67	57.7	15.7	6.15	9.45
PCB113	pg/g	5.58	93.4	5.12 U	5.28 U	6.84	5.21 U	9.36 T	2.46 U	13.6	5.02 U	5.19 U	5 U
PCB114	pg/g	53.3	1070	4.7 J	1.11 J	19	47.2	80.2 T	3.23	58	12.5	7.3	9.35
PCB119	pg/g	56.1	846	11.1	5.28 U	63	53.8	92 T	6.07	81.8	29	22.7	23.3
PCB120	pg/g	4.89 U	37.3	5.12 U	5.28 U	9.74	5.21 U	7.17 T	2.46 U	8.29	5.02 U	5.19 U	5 U
PCB121	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB122	pg/g	37	736	5.12 U	5.28 U	13.7	29.2	51.1 T	2.46 U	29.5	8.45	5.19 U	6.52
PCB123	pg/g	54.6	992	4.85 J	1.34 J	18.2	39.8	71 T	3.32	43.6	12.1	6.2	8.64
PCB124	pg/g	78.3	1460	8.21	5.28 U	49.6	103	196 T	6.43	114	32.1	13.5	17.9
PCB126	pg/g	12	211	1.8 J	0.723 U	7.1	11.5	20 T	1.11 J	18.7	5.87	2.72 J	4.38 J
PCB127	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB128 & 162	pg/g	211	3410	61.5	13.1	236	493	930 T	32.3	597	202	71	104
PCB129	pg/g	68.3	1090	19	5.28 U	67.4	171	299 T	9.31	158	57.1	18.1	26.5
PCB130	pg/g	87.5	1330	31.6	6.8	107	222	381 T	15.6	243	104	41.2	48.7
PCB131	pg/g	4.89 U	12.4	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB132 & 161	pg/g	346	5780	121	27.3	489	849	1610 T	57.3	989	490	171	193
PCB133 & 142	pg/g	35.1	565	13.9	5.28 U	56.4	83.9	157 T	7.12	115	49.5	21.9	25.9
PCB134 & 143	pg/g	66.3	1080	21.9	6.29	90.4	165	322 T	10.8	185	84.2	33.6	37.8
PCB135	pg/g	127	2540	69.4	18.6	274	364	666 T	31	518	266	105	118
PCB136	pg/g	132	2560	64.4	16.7	269	370	686 T	29.8	487	253	106	120
PCB137	pg/g	66.1	1100	18.4	5.28 U	77.8	170	328 T	10.7	172	49.5	18.8	26.2
PCB138 & 163 & 164	pg/g	1190	18900	446	114	1700	3120	5680 T	227	3630	2020	612	749
PCB139 & 149	pg/g	773	15900	394	103	1660	2290	4260 T	187	3070	1730	606	717
PCB140	pg/g	5.64 U	95.7	5.12 U	5.28 U	17.4	15.5	29.6 T	2.46 U	30.5	10.2	6.28	6.81
PCB141	pg/g	216	4000	79.2	22.7	307	539	1030 T	39.4	620	437	115	147
PCB144	pg/g	47.4	1030	21.9	6.87	84.1	127	251 T	9.77	165	102	29.8	36
PCB145	pg/g	4.89 U	12.6	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB146 & 165	pg/g	160	2280	71.2	17.5	289	358	675 T	36.2	570	299	119	144
PCB147	pg/g	30	492	15.1	5.28 U	62.2	82.9	146 T	9.44	134	44.1	20.1 U	30.6
PCB148	pg/g	4.89 U	12.3	5.12 U	5.28 U	9.73	5.21 U	5.76 T	2.46 U	16.3	5.02 U	5.19 U	5 U
PCB150	pg/g	4.89 U	19.7	5.12 U	5.28 U	7.83	5.21 U	6.82 T	2.46 U	14.1	5.02 U	5.19 U	5 U
PCB151	pg/g	202	4210	114	31.8	448	539	1020 T	53.7	807	519	184	220
PCB152	pg/g	4.89 U	26.7	5.12 U	5.28 U	4.95 U	5.21 U	6.21 T	2.46 U	7.46	5.02 U	5.19 U	5 U
PCB153	pg/g	952	15900	396	103	1640	2340	4550 T	208	3020	1950	640	821
PCB154	pg/g	12.7	151	10.7 U	5.28 U	50.1	31.3	55.2 T	5.73	86.3	29.2	19.3	22.5
PCB155	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB156	pg/g	124	2240	31.5	7.39	142	282	540 T	19	354	131	38.9	63
PCB157	pg/g	31.2	506	8.19	1.93 J	31.6	69	128 T	4.9	79.5	24.4	8.46	13.8
PCB158 & 160	pg/g	138	2380	47	11.9	170	372	663 T	23.9	400	211	56.1	69.8
PCB159	pg/g	9.42	164	5.12 U	5.28 U	18.1	17.8	44.3 JT	2.89	36.8	22.9	8.86	12.2
PCB166	pg/g	6.87	107	5.12 U	5.28 U	5.89	12.7	26 T	2.46 U	14.2	5.02 U	5.19 U	5 U
PCB167	pg/g	51.9	821	15.1	3.88 J	57.8	115	220 T	8.54	151	63.7	19.3	28.4
PCB168	pg/g	4.89 U	22	5.12 U	5.28 U	4.95 U	5.21 U	7.87 T	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB169	pg/g	1.06 U	2.38 U	0.913 U	0.829 U	1.36 U	1.24 U	1.5 UT	0.449 U	2.23 U	1.31 U	1.02 U	1.12 U
PCB170	pg/g	281	4850	109	30.4	455	567	1230 JT	65.2	1130	666	185	284
PCB171	pg/g	75.3	1390	29.2	8.42	130	150	327 JT	18.4	303	191	53.5	77.2
PCB172	pg/g	47.3	819	19.4	5.88	80.9	94.8	211 JT	11.6	181	113	34.2	48.3
PCB173	pg/g	7.49	138	5.12 U	5.28 U	11.1	15.8	31.1 T	2.46 U	25.2	17.1	5.19 U	6.51
PCB174	pg/g	305	5470	121	32	528	588	1410 JT	71	1060	730	229	316

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
PCB175	pg/g	13.2	259	6.21	5.28 U	23.5	30.1	60.4 JT	3.29	46.4	36	9.91	13.9
PCB176	pg/g	38.7	722	16.9	5.4	71	78.7	162 JT	9.3	125	96.3	29.8	38.3
PCB177	pg/g	174	3030	72.4	20.3	313	336	768 JT	43	685	423	130	195
PCB178	pg/g	61.1	1050	30.9	8.93	112	122	266 JT	16.3	221	149	52	78
PCB179	pg/g	129	2530	61	18.4	253	265	592 JT	36	458	335	116	161
PCB180	pg/g	674	11800	258	74.4	1170	1340	3270 JT	164	2610	1690	479	701
PCB181	pg/g	4.89 U	30.6	5.12 U	5.28 U	4.95 U	5.21 U	10.7 T	2.46 U	8.39	5.02 U	5.19 U	5 U
PCB182 & 187	pg/g	362	6860	168	48.7	692	773	1810 JT	107	1340	948	315	455
PCB183	pg/g	166	3330	74	22	297	367	797 JT	46.5	611	468	129	191
PCB184	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB185	pg/g	32.4	678	13.2	5.28 U	56.5	66.9	162 JT	8.46	120	82.5	23.8	38.2
PCB186	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB188	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB189	pg/g	11.1	183	4.11 J	1.13 J	16.6	21.8	48.2 T	2.91	47	25.4	6.94	10.2
PCB190	pg/g	59.5	1030	22.9	6.72	94.7	117	253 JT	14.4	216	138	37.3	59.2
PCB191	pg/g	10.1 U	182	5.12 U	5.28 U	18.3	22.3	46.4 JT	2.59	41.6	27.8	8.48	11.4
PCB192	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB193	pg/g	30.1	523	14.1	5.28 U	57.7	57.4	144 JT	8.28	121	77.1	26.2	35.4
PCB194	pg/g	151	2440	52.8	16.4	263	304	981 JT	42.2	627	322	106	176
PCB195	pg/g	63.7	1060	22.6	6.31	101	120	345 JT	16	235	131	44.2	71.1
PCB196 & 203	pg/g	180	3020	65.1	22.1	321	393	1080 JT	56.1	729	396	135	215
PCB197	pg/g	6.35	99.7	5.12 U	5.28 U	11	11.3	28.4 JT	2.46 U	21.7	12.7	5.19 U	7.41
PCB198	pg/g	10.3	151	5.12 U	5.28 U	13.7	18	46.9 JT	2.72	30.1	18.3	6.54	10.1
PCB199	pg/g	171	2640	63.4	20.3	292	365	1050 JT	54.9	658	343	136	197
PCB200	pg/g	21.6	392	8.15	5.28 U	34.7	44.2	119 JT	6.21	75	45.2	16.6	24
PCB201	pg/g	21	377	6.95	5.28 U	38.1	43.7	114 JT	6.37	80.2	46.4	15.5	25.9
PCB202	pg/g	31.3	546	12.2	5.28 U	60.6	68.6	181 JT	10.5	130	67.4	27.3	42
PCB204	pg/g	4.89 U	5.06 U	5.12 U	5.28 U	4.95 U	5.21 U	5.09 UT	2.46 U	6.87 U	5.02 U	5.19 U	5 U
PCB205	pg/g	7.9	108	5.12 U	5.28 U	12.2	13.3	41.1 JT	2.46 U	28.3	15.8	5.19 U	8.96
PCB206	pg/g	59.1	906	29.5	11.1	191	168	471 JT	42.5	383	130	88.3	118
PCB207	pg/g	7.79	123	5.12 U	5.28 U	18.5	18.2	50.9 JT	3.45	46.8	15.4	7.97	11.5
PCB208	pg/g	15.9	236	7.8	5.28 U	55.5	39.3	99.5 JT	12.3	97.7	34.1	24.8	31.1
PCB209	pg/g	32.3	268	23.4	10.3	148	54.8	163 T	32.9	787	85.7	84.7	155
Polychlorinated biphenyls	pg/g	47000	848000	7080	1830	34200	48600	94500 T	4890	69200	34900	12300	15100
Monochlorobiphenyl homologs	pg/g	21.6	684	11.5	5.28 U	27.4	32.3	83.7 T	2.46 U	81.9	803	6.43	86.9
Dichlorobiphenyl homologs	pg/g	419	11200	85	10.6 U	523	469	1030 T	114	1480	4850	154	333
Trichlorobiphenyl homologs	pg/g	3340	60200	411	157	2420	2080	4120 T	585	5680	3140	932	1050
Tetrachlorobiphenyl homologs	pg/g	19600	362000	1320	324	6820	7330	13800 T	1080	11900	3190	2430	2570
Pentachlorobiphenyl homologs	pg/g	15300	268000	1880	464	10100	18900	34500 T	1150	20100	5930	3140	3480
Hexachlorobiphenyl homologs	pg/g	5080	88700	2060	513	8370	13200	24700 T	1040	16700	9140	3050	3780
Heptachlorobiphenyl homologs	pg/g	2470	44800	1020	283	4380	5010	11600 JT	628	9340	6220	1870	2700
Octachlorobiphenyl homologs	pg/g	664	10800	231	65.1	1150	1380	4000 JT	195	2610	1400	488	777
Nonachlorobiphenyl homologs	pg/g	82.8	1270	37.2	11.1	265	225	620 JT	58.3	528	179	121	161

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009	BT010	BT011
	X_Easting	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816
	Y_Northing	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234	712558.322	712471.093
	Sample ID	LW2-GBT001	LW2-GBT002	LW2-GBT003	LW2-GBT004	LW2-GBT005	LW2-GBT006-1	LW2-GBT006-2	LW2-GBT007	LW2-GBT008	LW2-GBT009	LW2-GBT010	LW2-GBT011
	Sample Date	12/19/2005	12/19/2005	12/15/2005	12/15/2005	12/16/2005	12/16/2005	12/16/2005	12/14/2005	12/14/2005	12/14/2005	12/16/2005	12/15/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												

Table 4-6. Analytical Results for Sediment Samples.

Location Name		BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
X_Easting		7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
Y_Northing		711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
Sample ID		LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
Sample Date		12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
Depth Interval		0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
Total solids	percent	53.8	63.5 T	46.6	36.3	42.9	52	39.8	47.2	45.6 T	52.3	30	35.5 T
Total organic carbon	percent	2	0.69	2.36	3 T	2.34	6.64	2.51	1.84	2.97	1.39	2.72 T	2.61
Sulfide	mg/kg	0.8 J	3.6	2.2	4.15 JT	0.08 U	3.2	0.08 U	0.6 J	0.48 J	3.1	6.8	10.1 J
Ammonia	mg/kg	108 J	35.6 J	78.2 J	130 JT	66.8 J	34.1 J	73.3 J	68 J	71.1 J	43.8 J	64.6 JT	71.3 J
pH	ph units												
Oxidation-Reduction Potential	mv												
Medium gravel	percent	0	2.94	8.96	0 T	0	0.57	0	0	0.26 T	0.62	0	0
Fine gravel	percent	0.07	0.26	0.47	0.0467 T	0.04	3.61	0.37	0	1.15 T	0.21	0.18	0
Very coarse sand	percent	1.15	0.2	0.65	0.55 T	0.41	2.1	1.2	0.66	1.88 T	0.43	0.34	0.34
Coarse sand	percent	1.83	0.47	2.56	1.41 T	1.79	3.99	1.28	5.93	4.31 T	1.16	0.46	0.56
Medium sand	percent	4.43	2.77	8.46	5.36 T	2.34	15.3	1.99	8.65	23.2 T	24.1	1.54	1.03
Fine sand	percent	23.2	34.5	17.4	5.63 T	6.1	14.4	6.86	5.13	10.4 T	17.5	2.28	1.48
Very fine sand	percent	9.86	38.3	7	6.18 T	9.35	18.3	6.87	17	8.85 T	14.7	2.85	2.89
Fines	percent	61.5 T	20.7 T	60.8 T	80.8 T	83.9 T	39.3 T	77.8 T	62.3 T	50.8 T	41.6 T	91.1 T	91.6 T
Coarse silt	percent	18.1	9.5	17.3	23 T	27.7	13.7	23.8	26.8	19.7 T	16.4	39.3	33.1
Medium silt	percent	16.3	3.26	17.1	25.9 T	24.4	9.28	23.9	16.5	16.9 T	10	20.3	22.7
Fine silt	percent	8.92	1.49	10.2	15.2 T	12	6.49	14	9.08	7 T	5.93	10	15.6
Very fine silt	percent	7.6	1.67	6.35	7.89 T	6.87	3.84	6.81	5.17	2.96 T	2.94	9.23	9.11
8-9 Phi clay	percent	2.97	1.68	3.33	3.69 T	4.86	2.57	2.51	2	1.09 T	2.52	6	4.02
>9 Phi clay	percent	7.6	3.14	6.51	5.15 T	8.03	3.39	6.77	2.77	3.14 T	3.84	6.28	7.1
Aluminum	mg/kg	18900	17200 T	20200	30500	29300	25200	28000	28200	24500	26200	30200	35600
Antimony	mg/kg	0.17 J	0.195 JT	0.15 J	0.16 J	0.17 J	0.17 J	0.15 J	0.84 J	0.15 J	0.14 J	0.24 J	0.33 J
Arsenic	mg/kg	3.46	3.24 T	3.77	5.18	4.14	5.56	4.18	8.59	3.49	4.25	5.25	6.76
Cadmium	mg/kg	0.32	0.126 T	0.28	0.229	0.303	0.243	0.302	0.217	0.248	0.173	0.537	0.257
Chromium	mg/kg	26.9	29.3 JT	29.3	37.8 J	36.4	31.2 J	36.7	38 J	36.3	33.3 J	41.4	41.7 J
Copper	mg/kg	41	34.2 T	37.2	48.2	52.9	35.3	46.8	72.6	33.6	37.4	113	235
Lead	mg/kg	26.1	22.6 JT	20	15.7 J	23.9	23.9 J	26.2	19.4 J	16.9	12.2 J	41.2	22.9 J
Manganese	mg/kg									576		885	
Mercury	mg/kg	0.137 J	0.115	0.172 J	0.0795 T	0.266 J	0.137	0.313 J	0.076	0.056	0.068	0.142	0.152
Nickel	mg/kg	22.7 J	24 T	27.4 J	27.4	28.4 J	30.7	27.6 J	27.2	19.4 J	27.8	23.3 J	29.9
Selenium	mg/kg	0.29 U	0.09 UT	0.16 U	0.16 U	0.2 U	0.18 U	0.2 U	0.1 U	0.18 U	0.15 U	0.25 U	0.13 U
Silver	mg/kg	0.262	0.36 JT	0.179	0.481 J	0.19	0.206 J	0.204	0.212 J	0.161 J	0.175 J	0.372 J	0.351 J
Thallium	mg/kg									0.114		0.15	
Zinc	mg/kg	140	110 T	115	134	134	133	130	164	115	130	219	220
Barium	mg/kg									154		198	
Beryllium	mg/kg									0.613 J		0.874 J	
Chromium hexavalent	mg/kg	2.1 J	0.2 UJ	1.2 J	1.4 JT	0.4 J	0.4 J	1.5 J	1.3 J	0.2 UJ	0.6 J	0.2 UJT	1.5 J
Butyltin ion	µg/kg	0.21 J	0.89 J	0.29 J	0.6 U	0.65 J	0.33 J	0.41 J	6.9 U	0.61 J	0.24 J	7.7	17 J
Dibutyltin ion	µg/kg	2.1	15	1.6 J	3.5 U	4.6	3.5	3	33 U	3.4	2.3	70	140
Tributyltin ion	µg/kg	7.2	22	5.7	13	17	8.4	6.4	1600	9.7	9	170	1400
Tetrabutyltin	µg/kg	0.48 J	0.53 J	0.16 U	0.96 J	0.17 U	0.14 U	0.79 J	6.7	0.16 U	0.61 J	7.8	26
1,1,1,2-Tetrachloroethane	µg/kg	0.058 U	0.049 U	0.067 U	0.086 U	0.073 U	0.06 U	0.29 J	0.066 U	0.068 U	0.06 U	0.11 U	0.088 U
1,1,1-Trichloroethane	µg/kg	0.11 U	0.093 U	0.13 U	0.17 U	0.14 U	0.12 U	0.15 U	0.13 U	0.13 U	0.12 U	0.2 U	0.17 U
1,1,2,2-Tetrachloroethane	µg/kg	0.18 U	0.16 U	0.21 U	0.27 U	0.23 U	0.19 U	0.25 U	0.21 U	0.22 U	0.19 U	0.32 U	0.28 U
1,1,2-Trichloroethane	µg/kg	0.11 U	0.093 U	0.13 U	0.17 U	0.14 U	0.12 U	0.15 U	0.13 U	0.13 U	0.12 U	0.2 U	0.17 U
1,1-Dichloroethane	µg/kg	0.11 U	0.09 U	0.13 U	0.16 U	0.14 U	0.11 U	0.15 U	0.13 U	0.13 U	0.11 U	0.19 U	0.17 U
1,2,3-Trichloropropane	µg/kg	0.21 U	0.18 U	0.24 U	0.31 U	0.26 U	0.22 U	0.28 U	0.24 U	0.25 U	0.22 U	0.37 U	0.32 U
1,2-Dichloroethane	µg/kg	0.058 U	0.049 U	0.067 U	0.086 U	0.073 U	0.06 U	0.078 U	0.066 U	0.068 U	0.06 U	0.11 U	0.088 U
1,2-Dichloropropane	µg/kg	0.066 U	0.056 U	0.076 U	0.097 U	0.082 U	0.068 U	0.088 U	0.075 U	0.077 U	0.067 U	0.12 U	0.099 U
1,4-Dichloro-trans-2-butene	µg/kg	0.95 U	0.81 U	1.1 U	1.5 U	1.2 U	0.99 U	1.3 U	1.1 U	1.2 U	0.98 UJ	1.7 U	1.5 UJ
2-Chloroethyl vinyl ether	µg/kg	0.28 U	0.24 U	0.33 U	0.42 U	0.35 U	0.29 U	0.38 U	0.32 U	0.33 U	0.29 UJ	0.5 U	0.43 UJ
Acetone	µg/kg	3 U	R	13 U	13 U	3.8 U	R	4.1 U	3.4 U	3.6 U	R	8.4 U	78 U
Acrolein	µg/kg	R	R	R	R	R	R	R	R	R	R	R	R
Acrylonitrile	µg/kg	0.43 U	0.37 U	0.5 U	0.64 U	0.54 U	0.45 U	0.58 U	0.49 U	0.51 U	0.44 UJ	0.77 U	0.65 U

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Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
Benzene	µg/kg	0.073 U	0.062 U	0.17 J	0.22 J	0.091 U	0.075 U	0.098 U	0.083 U	0.086 U	0.075 U	0.13 U	0.12 U
Bromochloromethane	µg/kg	0.12 U	0.095 U	0.13 U	0.17 U	0.14 U	0.12 U	0.16 U	0.13 U	0.14 U	0.12 U	0.2 U	0.17 U
Bromodichloromethane	µg/kg	0.13 U	0.11 U	0.15 U	0.19 U	0.16 U	0.14 U	0.18 U	0.15 U	0.15 U	0.14 U	0.23 U	0.2 U
Bromoform	µg/kg	0 086 U	0.073 U	0.099 U	0.13 U	0.11 U	0.089 U	0.12 U	0.098 U	0.11 U	0.088 U	0.16 U	0.13 U
Bromomethane	µg/kg	0.69 U	0.59 U	0.8 U	1.1 U	0.87 U	0.72 U	0.93 U	0.79 U	0.81 U	0.71 U	1.3 U	1.1 U
Carbon disulfide	µg/kg	0.25 U	0.21 U	0.28 U	0.36 U	0.31 U	0.25 U	0.33 U	0.28 U	0.29 U	0.25 U	0.44 U	0.86 J
Carbon tetrachloride	µg/kg	0.19 U	0.16 U	0.22 U	0.28 U	0.24 U	0.2 U	0.25 U	0.21 U	0.22 U	0.19 U	0.33 U	0.28 U
Chlorobenzene	µg/kg	0.14 U	0.12 U	0.16 U	0.2 U	0.17 U	0.14 U	0.18 U	0.15 U	0.16 U	0.14 U	0.24 U	0.2 U
Chlorodibromomethane	µg/kg	0.13 U	0.11 U	0.15 U	0.19 U	0.16 U	0.14 U	0.18 U	0.15 U	0.15 U	0.14 U	0.23 U	0.2 U
Chloroethane	µg/kg	0.53 U	0.45 U	0.61 U	0.78 U	0.66 U	0.54 U	0.71 U	0.6 U	0.62 U	0.54 U	0.94 U	0.8 U
Chloroform	µg/kg	0.11 U	0.089 U	0.13 U	0.16 U	0.14 U	0.11 U	0.15 U	0.12 U	0.13 U	0.11 U	0.19 U	0.16 U
Chloromethane	µg/kg	0.36 U	0.3 U	0.41 U	0.53 U	0.45 U	0.37 U	0.48 U	0.41 U	0.42 U	0.37 U	0.64 U	0.54 U
cis-1,3-Dichloropropene	µg/kg	0.058 U	0.049 U	0.067 U	0.086 U	0.073 U	0.06 U	0.078 U	0.066 U	0.068 U	0.06 U	0.11 U	0.088 U
Dichlorodifluoromethane	µg/kg	13	1.3	5	3.3	0.41 J	1.3	15	7.5	0.45 J	2.1	2.7	2.4
Ethylbenzene	µg/kg	0.14 U	0.12 U	0.16 U	0.2 U	0.17 U	0.14 U	0.18 U	0.16 U	0.16 U	0.14 U	0.24 U	0.21 U
cis-1,2-Dichloroethene	µg/kg	0.12 U	0.098 U	0.14 U	0.18 U	0.15 U	0.12 U	0.16 U	0.14 U	0.14 U	0.12 U	0.21 U	0.18 U
Isopropylbenzene	µg/kg	0.082 U	0.07 U	0.095 U	0.37 J	0.11 U	0.085 U	0.12 U	0.094 U	0.097 U	0.085 U	0.15 U	0.13 U
m,p-Xylene	µg/kg	0.25 U	0.21 U	0.28 U	0.36 U	0.31 U	0.25 U	0.33 U	0.28 U	0.29 U	0.25 U	0.44 U	0.37 U
Methyl iodide	µg/kg	1.3 U	1.1 U	1.5 U	1.9 U	1.6 U	1.3 U	1.7 U	1.5 U	1.5 UJ	1.3 UJ	2.3 UJ	1.9 U
Methyl isobutyl ketone	µg/kg	0.45 U	0.38 U	0.52 U	0.67 U	0.56 U	0.47 U	0.61 U	0.51 U	0.53 U	0.46 U	0.8 U	0.68 U
Methyl n-butyl ketone	µg/kg	1.2 U	R	1.4 U	1.8 U	1.5 U	R	1.7 U	1.4 U	1.5 U	R	2.2 U	1.9 U
Methyl tert-butyl ether	µg/kg	0.073 U	0.062 U	0.084 U	0.11 UJ	0.091 U	0.075 U	0.098 U	0.083 UJ	0.086 U	0.075 U	0.13 U	0.12 UJ
Methylene bromide	µg/kg	0.16 U	0.13 U	0.18 U	0.23 U	0.2 U	0.16 U	0.21 U	0.18 U	0.18 U	0.16 U	0.28 U	0.24 U
Methylene chloride	µg/kg	0.54 U	0.46 UJ	0.63 U	0.8 U	0.68 U	0.56 UJ	0.73 U	0.62 U	1.5 U	0.56 UJ	2.5 U	0.82 U
Methylethyl ketone	µg/kg	R	R	R	R	R	R	R	R	R	R	R	19 UJ
o-Xylene	µg/kg	0.14 U	0.12 U	0.17 U	0.21 U	0.18 U	0.15 U	0.19 U	0.16 U	0.17 U	0.15 U	0.25 U	0.22 U
Ethylene dibromide	µg/kg	0.095 U	0.081 U	0.11 U	0.15 U	0.12 U	0.099 U	0.13 U	0.11 U	0.12 U	0.098 U	0.17 U	0.15 U
Styrene	µg/kg	0.14 U	0.12 U	0.16 U	0.21 U	0.18 U	0.15 U	0.19 U	0.16 U	0.17 U	0.15 U	0.27 U	0.21 U
Tetrachloroethene	µg/kg	0.18 U	0.16 U	0.21 U	0.27 U	0.23 U	0.19 U	0.25 U	0.21 U	0.22 U	0.19 U	0.32 U	0.28 U
Toluene	µg/kg	0.28 U	0.24 U	0.33 U	0.42 U	0.35 U	0.29 U	0.38 U	0.32 U	0.33 U	0.29 U	0.5 U	0.43 U
trans-1,2-Dichloroethene	µg/kg	0.36 U	0.3 U	0.41 U	0.53 U	0.45 U	0.37 U	0.48 U	0.41 U	0.42 U	0.37 U	0.64 U	0.54 U
trans-1,3-Dichloropropene	µg/kg	0.082 U	0.07 U	0.095 U	0.13 U	0.11 U	0.085 U	0.12 U	0.094 U	0.097 U	0.085 U	0.15 U	0.13 U
Trichloroethene	µg/kg	0.12 U	0.098 U	0.14 U	0.18 U	0.15 U	0.12 U	0.16 U	0.14 U	0.14 U	0.12 U	0.21 U	0.18 U
Trichlorofluoromethane	µg/kg	0.16 U	0.13 U	0.18 U	0.23 U	0.19 U	0.16 U	0.21 U	0.18 U	0.18 U	0.16 U	0.27 U	0.23 U
Vinyl acetate	µg/kg	R	R	R	R	R	R	R	R	R	R	R	R
Vinyl chloride	µg/kg	0.16 U	0.14 U	0.19 U	0.24 U	0.2 U	0.17 U	0.22 U	0.19 U	0.19 U	0.17 U	0.29 U	0.25 U
1,1-Dichloroethene	µg/kg	0.16 U	0.13 U	0.18 U	0.23 U	0.2 U	0.16 U	0.21 U	0.18 U	0.18 U	0.16 U	0.28 U	0.24 U
Xylene	µg/kg	0.25 UT	0.21 UT	0.28 UT	0.36 UT	0.31 UT	0.25 UT	0.33 UT	0.28 UT	0.29 UT	0.25 UT	0.44 UT	0.37 UT
BTEX	µg/kg	0.28 UT	0.24 UT	0.17 JT	0.22 JT	0.35 UT	0.29 UT	0.38 UT	0.32 UT	0.33 UT	0.29 UT	0.5 UT	0.43 UT
2-Methylnaphthalene	µg/kg	56	17	100	190	5.7	93	4.8	1.8 J	1.8 J	5.6	1.8 U	3 J
Acenaphthene	µg/kg	220	34	360	410	4.8	370	200	2.2 J	2.2 J	4.5	1.5 J	10
Acenaphthylene	µg/kg	88	9.5	180	160	3.9	31	10	3.1	4	3.1	1.6 J	3.1 J
Anthracene	µg/kg	150	29	860	700	10	150	79	8.1	8.8	9.1	3.1 J	16
Fluorene	µg/kg	150	32	250	220	6	180	150	3.6	2.2 J	5.4	1.9 J	9.9
Naphthalene	µg/kg	200	42	340	540	11	220	16	6.5 U	6.1	8.7	1.2 UJ	0.99 U
Phenanthrene	µg/kg	1500	120	2500	1700	27	400	250	49	28	29	14	78
Low Molecular Weight PAH	µg/kg	2360 T	284 T	4590 T	3920 T	68.4 T	1440 T	710 T	67.8 JT	53.1 JT	65.4 T	22.1 JT	120 JT
Dibenzo(a,h)anthracene	µg/kg	130	13	300	190	8.3	56	30	5.8	2.9	5.2	2 J	15
Benzo(a)anthracene	µg/kg	1000	78 J	2400	1500	35	340	180	47	28	33	17	71
Benzo(a)pyrene	µg/kg	1200	120 J	3300	2100	48	480	190	40	26	36	19	85
Benzo(b)fluoranthene	µg/kg	750	90 J	1900	1200	46	350	160	59	24	34	22	78
Benzo(g,h,i)perylene	µg/kg	1300	92	2800	1700	43	350	160	25	17	26	14	65
Benzo(k)fluoranthene	µg/kg	660	65 J	1600	1000	37	280	120	47	20	28	15	66
Chrysene	µg/kg	790	120 J	2100	1600	51	430	250	110	38	47	28	88

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
Fluoranthene	µg/kg	1800	200 J	4600	2700	65	690	590	180	62	61	35	140
Indeno(1,2,3-cd)pyrene	µg/kg	1100	96	2500	1500	43	380	140	26	17	30	16	66
Pyrene	µg/kg	2100	220 J	4900	3400	76	900	610	160	71	66	32	150
High Molecular Weight PAH	µg/kg	10800 T	1090 JT	26400 T	16900 T	452 T	4260 T	2430 T	700 T	306 T	366 T	200 JT	824 T
Polycyclic Aromatic Hydrocarbons	µg/kg	13200 T	1380 JT	31000 T	20800 T	521 T	5700 T	3140 T	768 JT	359 JT	432 T	222 JT	944 JT
1,2,4-Trichlorobenzene	µg/kg	0.67 U	0.57 U	0.78 U	1 U	0.84 U	0.7 U	0.91 U	0.77 U	0.79 U	0.69 U	1.2 U	1.1 U
1,2-Dichlorobenzene	µg/kg	0.14 U	0.12 U	0.17 U	0.21 U	0.18 U	610 J	0.19 U	0.16 U	0.17 U	0.15 U	0.25 U	0.22 U
1,3-Dichlorobenzene	µg/kg	0.21 U	0.18 U	0.24 U	0.31 U	0.26 U	38 J	0.28 U	0.24 U	0.25 U	0.22 U	0.37 U	0.32 U
1,4-Dichlorobenzene	µg/kg	0.23 U	0.19 U	0.26 U	0.34 U	0.28 U	300 J	0.31 U	0.26 U	0.27 U	0.23 U	0.4 U	0.34 U
Azobenzene	µg/kg	23 U	3.8 U	52 U	6.7 U	5.6 U	24 U	6.1 U	5.1 U	5.3 U	4.6 U	8 U	6.8 U
2,4-Dinitrotoluene	µg/kg	27 U	4.5 U	61 U	7.8 U	6.6 U	27 U	7.1 U	6 U	6.2 U	5.4 U	9.4 U	8 U
2,6-Dinitrotoluene	µg/kg	27 U	4.5 U	61 U	7.8 U	6.6 U	27 U	7.1 U	6 U	6.2 U	5.4 U	9.4 U	8 U
2-Chloronaphthalene	µg/kg	34 U	5.7 U	78 U	10 U	8.4 U	35 U	9.1 U	7.7 U	7.9 U	6.9 U	12 U	11 U
2-Nitroaniline	µg/kg	26 U	4.3 U	58 U	7.5 U	6.3 U	26 U	6.8 U	5.8 U	6 U	5.2 U	9 U	7.7 U
3,3'-Dichlorobenzidine	µg/kg	35 U	R	80 U	11 U	8.7 U	36 U	9.3 U	7.9 U	8.1 U	7.1 U	13 U	R
3-Nitroaniline	µg/kg	25 U	4.1 U	56 U	7.2 U	6.1 U	25 U	6.6 U	5.6 U	5.7 U	5 U	8.7 U	7.4 U
4-Bromophenyl phenyl ether	µg/kg	14 U	2.3 U	31 U	3.9 U	3.3 U	14 U	3.6 U	3 U	3.1 U	2.7 U	4.7 U	4 U
4-Chloroaniline	µg/kg	20 U	3.4 U	46 U	5.8 U	4.9 U	21 U	5.3 U	4.5 U	4.6 U	4.1 U	7 U	6 UJ
4-Chlorophenyl phenyl ether	µg/kg	19 U	3.2 U	43 U	5.6 U	4.7 U	20 U	5.1 U	4.3 U	4.4 U	3.9 U	6.7 U	5.7 U
4-Nitroaniline	µg/kg	32 U	5.4 U	73 U	9.4 U	8 U	33 U	8.6 U	7.3 U	7.5 U	6.6 U	12 U	9.7 U
Aniline	µg/kg	14 U	R	33 U	4.2 U	3.5 U	R	3.8 U	3.2 U	3.3 U	R	R	R
Benzoic acid	µg/kg	900 U	160 U	2100 U	270 UJ	230 U	930 U	250 U	210 UJ	R	190 U	R	280 UJ
Benzyl alcohol	µg/kg	35 U	5.9 U	80 U	11 U	8.7 U	36 U	9.3 U	7.9 U	8.1 U	7.1 U	13 U	11 U
Bis(2-chloroethoxy) methane	µg/kg	13 U	2.1 U	28 U	3.6 U	3.1 U	13 U	3.3 U	2.8 U	2.9 U	2.5 U	4.4 U	3.7 U
Bis(2-chloroethyl) ether	µg/kg	23 U	3.8 U	52 U	6.7 U	5.6 U	24 U	6.1 U	5.1 U	5.3 U	4.6 U	8 U	6.8 U
Carbazole	µg/kg	25 J	8.2 J	130	71	3.8 J	38 J	7.8 J	9.6 J	2.9 U	4.8 J	4.4 U	8 J
Dibenzofuran	µg/kg	17 J	21	36	31	3.7	57	42	2.1 J	1.1 J	2.3 J	1 J	4.1
Hexachlorobenzene	µg/kg	0.201	0.215	0.696	0.652	0.159 J	3.97	2.1	0.158 JT	0.195 J	0.193	0.278	0.187 J
Hexachlorobutadiene	µg/kg	0.0664 UJ	0.00746 UJ	0.119 J	0.126 J	0.00531 UJ	35 J	1.74 J	0.00268 UJT	0.0701 UJ	0.0477 UJ	0.00379 UJ	0.00301 UJ
Hexachlorocyclopentadiene	µg/kg	140 U	24 U	330 U	42 U	35 U	150 U	38 U	32 U	33 U	29 U	50 U	43 U
Hexachloroethane	µg/kg	0.84 J	0.57 J	1.2 UJ	1.5 UJ	2.5 UJ	2.2 J	4.2 J	0.45 UJ	0.29 J	0.66	0.6	0.79 UJ
Isophorone	µg/kg	15 U	2.6 U	35 U	4.5 U	3.8 U	16 U	4.1 U	3.4 U	3.6 U	3.1 U	5.4 U	4.6 U
Nitrobenzene	µg/kg	19 U	3.2 U	43 U	5.6 U	4.7 U	20 U	5.1 U	4.3 U	4.4 U	3.9 U	6.7 U	5.7 U
N-Nitrosodimethylamine	µg/kg	57 U	9.7 U	140 U	17 U	15 U	59 U	16 U	13 U	14 U	12 U	21 U	18 U
N-Nitrosodipropylamine	µg/kg	30 U	5.1 U	69 U	8.9 U	7.5 U	31 U	8.1 U	6.8 U	7.1 U	6.2 U	11 U	9.1 U
N-Nitrosodiphenylamine	µg/kg	23 J	3.5 U	48 U	6.1 U	5.2 U	22 U	5.6 U	4.7 U	4.9 U	4.3 U	7.4 U	6.3 U
Bis(2-chloroisopropyl) ether	µg/kg	12 U	1.9 U	26 U	3.4 U	2.8 U	12 U	3.1 U	2.6 U	2.7 U	2.3 U	4 U	3.4 U
Dimethyl phthalate	µg/kg	17 U	2.9 U	39 U	5 U	4.2 U	18 U	4.6 U	3.9 U	4 U	3.5 U	6 U	5.5 J
Diethyl phthalate	µg/kg	33 U	5.6 U	76 U	9.7 U	8.2 U	34 U	8.8 U	7.5 U	7.7 U	6.7 U	12 U	9.9 U
Dibutyl phthalate	µg/kg	25 U	25 J	56 U	8.5 J	7.3 U	25 U	7.8 U	6.1 J	8.1 J	5 U	9.3 U	22
Butylbenzyl phthalate	µg/kg	14 U	2.4 U	33 U	4.2 U	6 J	15 U	3.8 U	8.8 J	3.3 U	5.6 J	5 U	30
Di-n-octyl phthalate	µg/kg	12 U	1.9 U	26 U	3.4 U	2.8 U	12 U	3.1 U	2.6 U	2.7 U	2.3 U	4 U	3.4 U
Bis(2-ethylhexyl) phthalate	µg/kg	43 U	78 J	96 U	57	61 U	150 U	50 U	150	30 U	45 U	57 U	460
2,3,5,6-Tetrachlorophenol	µg/kg	0.79 U	0.67 U	0.91 U	8.3 U	0.98 U	4.1 U	7 J	0.89 U	5.2 U	0.81 U	1.4 U	1.2 U
2,4,5-Trichlorophenol	µg/kg	3.7 U	6.8 U	5.2 U	1.4 U	3.3 U	48 U	2 U	11 U	2.7 U	2.8 U	2.4 U	0.94 U
2,4,6-Trichlorophenol	µg/kg	0.47 U	0.4 U	5.8 U	2.7 U	0.59 U	30 J	0.63 U	2.8 U	2.5 U	0.48 U	1 U	0.71 U
2,4-Dichlorophenol	µg/kg	17 U	2.9 U	39 U	5 U	4.2 U	36 J	4.6 U	3.9 U	4 U	3.5 U	6 U	5.1 U
2,4-Dimethylphenol	µg/kg	52 U	8.7 U	120 U	16 U	13 U	53 U	14 U	12 U	13 U	11 U	R	16 U
2,4-Dinitrophenol	µg/kg	340 U	57 U	780 U	100 U	84 U	350 U	91 U	77 U	79 U	69 U	120 U	110 U
2-Chlorophenol	µg/kg	16 U	2.7 U	37 U	4.7 U	4 U	17 U	4.3 U	3.7 U	3.8 U	3.3 U	5.7 U	4.9 U
2-Methylphenol	µg/kg	32 U	5.4 U	73 U	9.4 U	8 U	33 U	8.6 U	7.3 U	7.5 U	6.6 U	12 U	9.7 U
2-Nitrophenol	µg/kg	25 U	4.1 U	56 U	7.2 U	6.1 U	25 U	6.6 U	5.6 U	5.7 U	5 U	8.7 U	7.4 U
4,6-Dinitro-2-methylphenol	µg/kg	16 U	2.7 U	37 U	4.7 U	4 U	17 U	4.3 U	3.7 U	3.8 U	3.3 U	5.7 U	4.9 U
4-Chloro-3-methylphenol	µg/kg	20 U	3.4 U	46 U	5.8 U	4.9 U	21 U	5.3 U	4.5 U	4.6 U	4.1 U	7 U	6 U

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
4-Methylphenol	µg/kg	55	9.6 J	63 U	12 J	7.4 J	28 U	7.3 U	6.2 U	6.5 J	5.6 U	11 J	11 J
4-Nitrophenol	µg/kg	0.41 UJ	0.36 U	0.39 U	0.48 U	0.44 UJ	0.37 U	0.5 UJ	0.38 U	0.43 U	0.38 U	0.46 U	0.52 U
Pentachlorophenol	µg/kg	1.4 NJ	1.8 J	1.9 J	0.89 U	2.2 NJ	0.69 U	0.94 UJ	12 J	0.8 U	3.6 NJ	0.86 U	8.7 J
Phenol	µg/kg	18 U	22 J	41 U	36 J	11 J	19 U	5.1 J	13 J	10 J	15 J	22 J	27 J
2,3,4,5-Tetrachlorophenol	µg/kg	7.2 U	0.68 U	11 U	14 U	12 U	43 U	13 U	5.7 U	0.95 U	0.83 U	2.6 J	1.3 U
Dalapon	µg/kg	0.31 UJ	0.27 U	0.29 U	0.35 U	0.33 UJ	0.27 U	0.37 UJ	0.28 U	0.32 U	0.28 U	0.34 U	0.39 U
Dicamba	µg/kg	1.1 UJ	0.96 U	1 U	1.3 U	1.2 UJ	0.98 U	1.3 UJ	1 U	1.1 U	1 U	1.2 U	1.4 U
MCPA	µg/kg	0.74 UJ	0.65 U	0.7 U	0.86 U	0.79 UJ	0.66 U	0.9 UJ	0.68 U	0.77 U	0.68 U	0.83 U	0.94 U
Dichloroprop	µg/kg	0.56 UJ	0.49 U	0.52 U	0.64 U	0.59 UJ	0.5 U	0.67 UJ	0.51 U	0.58 U	0.51 U	0.62 U	0.7 U
2,4-D	µg/kg	0.35 UJ	0.3 U	0.33 U	0.4 U	0.37 UJ	0.31 U	0.42 UJ	0.32 U	0.36 U	0.32 U	0.39 U	0.44 U
Silvex	µg/kg	0.51 UJ	0.44 U	0.48 U	0.59 U	0.54 UJ	0.46 U	0.62 UJ	0.47 U	0.53 U	0.47 U	0.57 U	0.64 U
2,4,5-T	µg/kg	0.51 UJ	0.44 U	0.48 U	0.59 U	0.54 UJ	0.46 U	0.62 UJ	0.47 U	0.53 U	0.47 U	0.57 U	0.64 U
2,4-DB	µg/kg	0.51 UJ	0.45 U	0.48 U	0.59 U	0.55 UJ	0.46 U	0.62 UJ	0.47 U	0.53 U	0.47 U	0.57 U	0.65 U
Dinoseb	µg/kg	0.7 UJ	0.61 U	0.66 U	0.81 U	0.75 UJ	0.63 U	0.85 UJ	0.64 U	0.73 U	0.65 U	0.79 U	0.89 U
MCPP	µg/kg	0.68 UJ	0.59 U	0.64 U	0.78 U	0.72 UJ	0.61 U	0.82 UJ	0.62 U	0.7 U	0.62 U	0.76 U	0.86 U
2,4'-DDD	µg/kg	2.61	0.643	6.82 J	9.71	0.676	64.8	59.4	0.449 T	3.41	1.02	0.469	0.441
2,4'-DDE	µg/kg	0.313 J	0.0384 J	0.581 J	0.13 J	0.0901 J	4.57	2.84	0.058 JT	0.265	0.148 J	0.0763 J	0.0777 J
2,4'-DDT	µg/kg	0.0989 J	0.0639 J	0.232 J	1.07	0.141 J	7.52	17.3	0.107 JT	1.38	0.0977 J	0.164 J	0.226
4,4'-DDD	µg/kg	8.74	2.37	25.4 J	36.5	2.99	166	237	1.87 T	20.4	4.12	2.15	1.92
4,4'-DDE	µg/kg	3.07	0.749	3.11	5.29	2.66	31.6	18.2	1.81 T	3.4	2.45	2.13	2.85
4,4'-DDT	µg/kg	0.98	0.694	1.02	25.1	0.481	144	623	0.485 JT	124	0.52	0.683	1.62
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	12.8 T	3.81 T	29.5 JT	66.9 T	6.13 T	342 T	878 T	4.17 JT	148 T	7.09 T	4.96 T	6.39 T
Aldrin	µg/kg	0.102 U	0.0178 J	0.0554 J	0.0833 J	0.0864 J	0.047 J	0.0811 J	0.0692 JT	0.0655 J	0.047 J	0.101 J	0.112 J
alpha-Hexachlorocyclohexane	µg/kg	0.813 U	0.123 U	0.0158 U	0.0278 U	0.0087 J	0.306 J	0.114 J	0.0132 JT	0.0116 J	0.00651 J	0.00967 J	0.0117 J
beta-Hexachlorocyclohexane	µg/kg	0.321 U	0.0485 U	0.361 U	0.235 U	0.00407 J	0.0932 J	0.109 J	0.0343 JT	0.0512 U	0.0483 U	0.00474 U	0.0504 U
delta-Hexachlorocyclohexane	µg/kg	0.00207 U	0.00131 U	0.00227 U	0.0175 J	0.00216 J	0.05 U	0.153 J	0.0156 JT	0.0114 J	0.00282 J	0.0023 U	0.00902 J
gamma-Hexachlorocyclohexane	µg/kg	0.11 U	0.0166 U	0.0103 J	0.0804 U	0.0124 J	0.146 J	0.272 J	0.0171 JT	0.0153 U	0.0089 J	0.00995 J	0.00735 U
cis-Chlordane	µg/kg	0.114 J	0.0634 J	0.149 J	0.177 J	0.237 J	0.819	0.188 J	0.184 JT	0.309 J	0.148 J	0.2 J	0.214 J
trans-Chlordane	µg/kg	0.185 J	0.0866 J	0.17 J	0.229 J	0.233 J	1.14	0.281 J	0.187 JT	0.355 J	0.204 J	0.22 J	0.218 J
Oxychlordane	µg/kg	0.216 U	0.00617 U	0.485 U	0.12 U	0.0675 U	0.2 U	0.155 U	0.00484 JT	0.0112 U	0.0649 U	0.0702 U	0.00555 U
cis-Nonachlor	µg/kg	0.0545 J	0.0308 J	0.05 J	0.0774 J	0.106 J	0.248 J	0.0922 J	0.0861 JT	0.0918 J	0.0578 J	0.0944 J	0.0965 J
trans-Nonachlor	µg/kg	0.0811 J	0.0619 J	0.109 J	0.18 J	0.196 J	0.783	0.176 J	0.164 JT	0.238 J	0.115 J	0.196 J	0.197 J
Total Chlordanes	µg/kg	0.435 JT	0.243 JT	0.478 JT	0.663 JT	0.772 JT	2.99 JT	0.737 JT	0.626 JT	0.994 JT	0.525 JT	0.71 JT	0.726 JT
Dieldrin	µg/kg	0.0653 J	0.038 J	0.102 J	0.15 J	0.109 J	0.331	0.109 J	0.0808 JT	0.36	0.107 J	0.0904 J	0.0989 J
alpha-Endosulfan	µg/kg	0.0429 U	0.0125 U	0.0515 U	0.0504 U	0.0269 U	0.028 U	0.0366 J	0.0197 UT	0.0409 J	0.0218 U	0.0212 U	0.027 U
beta-Endosulfan	µg/kg	0.0758 U	0.0458 U	0.0909 U	0.0802 J	0.0355 J	0.0624 U	0.0565 J	0.0361 UT	0.0591 J	0.0398 J	0.0379 U	0.0354 J
Endosulfan sulfate	µg/kg	0.0519 J	0.0315 J	0.106 J	0.163 J	0.128 J	0.097 J	0.117 J	0.113 JT	0.125 J	0.0965 J	0.132 J	0.114 J
Endrin	µg/kg	0.0301 U	0.0182 U	0.0361 U	0.0353 U	0.0188 U	0.0184 U	0.0178 U	0.0191 UT	0.0487 J	0.0181 U	0.0196 U	0.0189 U
Endrin aldehyde	µg/kg	0.307 U	0.186 U	0.369 U	0.361 U	0.192 U	0.188 U	0.181 U	0.195 UT	0.196 U	0.185 U	0.2 U	0.193 U
Endrin ketone	µg/kg	0.188 U	0.114 U	0.226 U	0.221 U	0.118 U	0.115 U	0.111 U	0.00631 JT	0.0227 J	0.113 U	0.00219 U	0.118 U
Heptachlor	µg/kg	0.0705 U	0.0213 U	0.0529 U	0.0207 U	0.00277 U	0.0216 U	0.0208 U	0.00211 UT	0.0127 J	0.00141 U	0.00462 U	0.0222 U
Heptachlor epoxide	µg/kg	0.00322 J	0.00189 J	0.00439 U	0.0074 J	0.00616 J	0.00962 J	0.00612 J	0.00649 JT	0.0174 J	0.0047 J	0.00661 J	0.00743 J
Methoxychlor	µg/kg	0.111 U	0.05 U	0.6 U	0.18 U	0.031 U	0.07 U	0.035 U	0.029 UT	0.0621 U	0.0552 U	0.0284 U	0.11 U
Mirex	µg/kg	0.86 U	0.41 U	0.97 U	1.3 U	2.1 U	9.7 U	0.12 U	0.37 U	0.099 U	0.53 U	0.15 U	0.32 J
Toxaphene	µg/kg	94 U	63 U	150 U	110 U	790 U	400 U	93 U	20 U	18 U	34 U	58 U	76 U
Chlordane (cis & trans)	µg/kg	0.299 JT	0.15 JT	0.319 JT	0.406 JT	0.47 JT	1.96 T	0.469 JT	0.371 JT	0.664 JT	0.352 JT	0.42 JT	0.432 JT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.072 J	0.008 U	0.028 U	0.012 U	0.028 U	7.546	0.052 U	0.012 U	0.226 J	0.011 U	0.066 U	0.012 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.152 U	0.138 J	0.096 J	0.078 J	0.218 J	14.894	0.134 J	0.201 J	0.494 J	0.053 J	0.216 U	0.02 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.098 U	0.154 J	0.119 J	0.091 J	0.25 U	0.928 J	0.2 J	0.435 J	0.754 J	0.027 J	0.443 J	0.063 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.976 J	1.849	0.889 J	0.495 J	2.934	5.114	0.831 U	5.731	3.902	0.178 J	4.419	0.335 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.427 J	0.518 J	0.015 U	0.261 J	0.951 J	2.054	0.029 U	1.51 J	1.938	0.158 J	1.491 J	0.167 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	23.354	36.3	33.855	15.839	54.243	24.914	36.683	142.069	87.708	5.267	132.746	8.288
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.799	0.19 U	1.247	6.685	0.221 U	36.786	109.801	0.368 J	1.313	0.256 J	0.368 J	0.2 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	2.093	0.125 U	0.931 J	16.052	0.257 U	18.411	433.327	0.611 J	0.601 J	0.078 J	0.251 J	0.009 U

Table 4-6. Analytical Results for Sediment Samples.

Location Name		BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
X_Easting		7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
Y_Northing		711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
Sample ID		LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
Sample Date		12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
Depth Interval		0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.639 J	0.165 J	0.464 J	6.095	0.307 J	11.402	108.595	0.747 J	0.748 J	0.07 J	0.307 J	0.011 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	6.524	0.583 J	1.342 J	14.899	1.589 J	50.723	1182.167	4.432	2.78	0.156 J	1.339 J	0.17 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	2.207	0.212 J	0.406 J	3.359	0.55 J	12.953	325.716	1.285 J	0.974 J	0.082 J	0.565 J	0.063 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.088 U	0.118 J	0.016 U	0.176 J	0.052 U	2.957	15.672	0.16 J	0.043 J	0.044 U	0.063 J	0.024 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.385 J	0.287 J	0.136 J	0.9 J	0.469 J	3.447	30.541	1.547 J	0.624 J	0.076 U	0.77 J	0.108 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	10.128	6.08	2.66	4.134	7.777	21.991	346.625	24.632	15.909	0.743 U	15.37	1.743 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.969 J	0.338 J	0.345 J	0.934 J	0.741 J	7.19	121.258	1.474 J	1.012 J	0.062 J	0.679 J	0.141 J
Tetrachlorodibenzo-p-dioxin homologs	pg/g	1.294	0.459	0.717	0.604	0.291	22.631	0.612	0.621	2.395	0.262	0.567	0.182
Pentachlorodibenzo-p-dioxin homologs	pg/g	1.635	1.01	0.546	0.513	0.88	25.377	0.622	1.231	3.752	0.218	1.88	0.02 U
Hexachlorodibenzo-p-dioxin homologs	pg/g	8.592	8.848	9.427	4.283	12.858	23.509	8.487	23.186	26.084	1.977	25.747	2.068
Heptachlorodibenzo-p-dioxin homologs	pg/g	57.685	73.809	104.982	40.173	110.651	74.136	136.305	279.678	197.996	16.039	268.572	15.641
Octachlorodibenzo-p-dioxin	pg/g	230.439	369.849	265.163	149.982	422.54	176.518	355.476	1296.605	700.332	45.845	1043.1	81.868
Tetrachlorodibenzofuran homologs	pg/g	7.598	1.548	4.093	11.794	1.71	369.56	206.034	1.527	8.122	0.777	2.007	0.11
Pentachlorodibenzofuran homologs	pg/g	13.252	3.928	4.293	37.099	9.814	208.993	864.359	13.745	14.344	0.613	6.407	0.568
Hexachlorodibenzofuran homologs	pg/g	21.581	10.494	6.061	25.125	21.914	121.233	1798.973	69.699	30.762	1.17	24.442	2.237
Heptachlorodibenzofuran homologs	pg/g	22.654	26.719	8.079	10.185	26.632	42.817	562.068	91.59	57.793	2.289	57.779	6.099
Octachlorodibenzofuran	pg/g	11.432	28.18	8.221	9.977	16.493	47.535	237.868	35.3	52.149	1.842 U	47.957	6.547
Aroclor 1016	µg/kg	4.7 U	1.8 U	3.4 U	3.5 U	52 U	95 U	41 U	2.4 U	2.5 U	2.2 U	3.7 U	3.2 U
Aroclor 1221	µg/kg	8.7 U	1.8 U	12 U	14 U	26 U	22 U	34 U	4 U	2.5 U	2.2 U	3.7 U	3.2 U
Aroclor 1232	µg/kg	8.2 U	1.8 U	9.9 U	6.4 U	26 U	170 U	69 U	7 U	2.5 U	2.2 U	3.7 U	3.2 U
Aroclor 1242	µg/kg	4.8 U	1.8 U	4.7 U	5.5 U	63 U	140 U	42 U	4.9 U	2.5 U	22	3.7 U	3.2 U
Aroclor 1248	µg/kg	7.1 U	1.8 U	4.5 U	6.5 U	88 U	110 U	26 U	3.3 U	2.5 U	2.2 U	3.7 U	3.2 U
Aroclor 1254	µg/kg	9.6 U	1.8 U	23 U	20 U	120 U	45 U	80 U	5.3 U	20	2.2 U	50	66 J
Aroclor 1260	µg/kg	17	29	9.8 U	13 J	850	55 U	45 U	9 J	13	12	56	38 J
Aroclor 1262	µg/kg	2.1 U	1.8 U	5.8 U	3.1 U	26 U	22 U	25 U	2.4 U	2.5 U	2.2 U	3.7 U	3.2 U
Aroclor 1268	µg/kg	2.1 U	1.8 U	2.4 U	3.1 U	26 U	22 U	16 U	2.4 U	2.5 U	2.2 U	3.7 U	3.2 U
Aroclors	µg/kg	17 T	29 T	23 UT	13 JT	850 T	170 UT	80 UT	9 JT	33 T	34 T	106 T	104 JT
PCB001	pg/g	17.6	6.1	8.69	13.7	671	3450	10.5	5.89	14.1	18	432	32.2 T
PCB002	pg/g	9.54	9.98	11.1	13.6	114	46.8	12.8	15.1	11.7	11	69.4	54.2 T
PCB003	pg/g	21	7.54	12.7	13.3	389	818	16.5	6.94	19.7	22.1	205	40.2 T
PCB004 & 010	pg/g	44.2 U	22.8	22.2 U	44.3 U	65200	3860	35.7 U	28.1 U	36.4	45	188	65.6 T
PCB005 & 008	pg/g	189	33.4	49.4	93.8	1120	8150	112	51.3	102	273	379	132 T
PCB006	pg/g	45.6	8.69 U	11.9 U	22.8 U	879	562	30.6 U	11.4 U	25.2	43	109	40.5 T
PCB007 & 009	pg/g	18.4 U	5.1 U	10.2 U	10.3 U	590	504	11.9 U	10.2 U	5.01 U	16.8 U	72.7	11.9 UT
PCB011	pg/g	42.8 U	41.2	114	260	881	465	226	143	153	87.1	216	314 T
PCB012 & 013	pg/g	26.8 U	6.49 U	10.2 U	13.5 U	647	152	37.1	10.2 U	15.3 U	23.4	67.9	27.5 UT
PCB014	pg/g	9.65 U	5.1 U	10.2 U	10.3 U	9.99 U	4.91 U	10.2 U	10.2 U	5.01 U	5.06 U	4.99 U	9.62 UT
PCB015	pg/g	134	34	59.1	103	2440	3420	135	64.6	115	179	272	116 T
PCB016 & 032	pg/g	217	46.6	72.7	116	12600	5200	161	61.5	138	341	236	146 T
PCB017	pg/g	160	31.1	52.7	85.6	32200	2940	114	45.1	86.2	223	155	102 T
PCB018	pg/g	319	66	107	171	6860	11300	262	86.7	219	570	333	203 T
PCB019	pg/g	33.9	43.7	34.2	65.9	143000	619	45.1	50.2	40	51.1	81.2	71.6 T
PCB020 & 021 & 033	pg/g	358	58.3	102	148	3300	5040	223	81.6	177	467	319	189 T
PCB022	pg/g	194	37.5	68.3	106	3550	2850	158	55.7	116	269	154	103 T
PCB023	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	14.8	8.1	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB024 & 027	pg/g	25.6	10.7	11.5	20.6	22400	365	20.7	13.7	19.1	37.4	35.1	22.9 T
PCB025	pg/g	62.9	11	22.8	34.5	2640	524	82.3	16.9	42.9	68.8	60.6	35.8 T
PCB026	pg/g	97.3	17.3	34.7	55	3600	1120	101	27.4	69.3	134	91.7	55.8 T
PCB028	pg/g	724	119	248	364	4890	7730	590	203	377	918	670	368 T
PCB029	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	10.7	40.3	5.08 U	5.11 U	2.5 U	4.65	2.66	4.81 UT
PCB030	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	347	15.2	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB031	pg/g	535	106	184	291	2170	11100	444	137	325	695	518	304 T
PCB034	pg/g	8.34	2.55 U	5.08 U	5.13 U	546	46.4	5.34	5.11 U	2.85	8.18	8.08	4.91 T
PCB035	pg/g	9.94	3.2	5.64	9.23	24.7	67	17.4	5.11 U	7.4	12.9	17.2	11.2 T

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
PCB036	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	10.2	6.61	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB037	pg/g	179	45.1	77.2	130	475	1660	171	71.8	117	248	218	120 T
PCB038	pg/g	4.83 U	6.15	5.08 U	5.97	4570	104	7.23	5.11 U	3.98	7.68	21.5	9.51 T
PCB039	pg/g	5.01	2.55 U	5.08 U	5.13 U	16.3	20.5	5.08 U	5.11 U	2.5 U	2.91 U	8.9	4.81 UT
PCB040	pg/g	133	55.9	52	80.2	1090	2640	160	40.7	87.3	148	278	115 T
PCB041 & 064 &071 &072	pg/g	691	380	272	439	27800	14600	872	231	429	757	1900	796 T
PCB042 & 059	pg/g	261	87.4	94.8	153	12300	4950	300	82.8	156	262	514	231 T
PCB043 & 049	pg/g	776	490	282	463	97700	11600	778	253	419	669	2940	1380 T
PCB044	pg/g	835	805	311	476	15000	16600	936	239	477	828	3640	1490 T
PCB045	pg/g	98.2	30.6	36.3	56.1	1390	2960	117	28.7	79	128	139	61.5 T
PCB046	pg/g	45	17.1	17.1	27.3	6290	1280	51.6	16.6	39.8	54.6	82.1	36.3 T
PCB047	pg/g	284	334	142	254	262000	4230	361	177	189	262	1250	548 T
PCB048 & 075	pg/g	162	48.2	54	87.7	8190	3570	165	46	84.1	176	261	121 T
PCB050	pg/g	4.83 U	3.68	5.08 U	5.24	7340	48.5	5.55	5.11 U	3.19	3.37	9.96	6.51 T
PCB051	pg/g	45.8	63.9	31.7	60.5	114000	807	59.6	45.8	42.5	50.8	263	120 T
PCB052 & 069	pg/g	1060	1510	387	621	58300	15800	1040	337	594	909	7100	2910 T
PCB053	pg/g	109	86.5	59.9	111	91500	2820	134	70	103	131	402	198 T
PCB054	pg/g	4.83 U	13.3	7.55	14.3	38300	43	8.06	12.8	6.37	5.53	26.2	18 T
PCB055	pg/g	7.66	11.6	5.08 U	7.85	1040	142	13.3	5.11 U	5.55	11.4	52.6	19.5 T
PCB056 & 060	pg/g	351	198	174	273	951	8770	553	130	217	496	809	347 T
PCB057	pg/g	4.83 U	2.67	5.08 U	5.13 U	1520	43.8	6.36	5.11 U	2.5 U	4.5	10.3	5.46 T
PCB058	pg/g	6.33	2.55 U	8.78	5.13 U	841	23.8	5.08 U	5.11 U	2.5 U	3.78	20.5	8.4 T
PCB061 & 070	pg/g	915	869	331	529	3540	14600	873	271	436	978	3960	1670 T
PCB062	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	5 U	9.8	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB063	pg/g	29.3	14.5	11.2	17.9	576	475	35.3	9.14	14	32.2	74.6	36.5 T
PCB065	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	5 U	10.2	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB066 & 076	pg/g	699	313	281	451	8560	11200	804	231	356	792	1900	892 T
PCB067	pg/g	21	6.31	10	14.9	600	308	32.9	7.72	12.8	26.6	29.1	15 T
PCB068	pg/g	18.4	7.67	5.7	9.07	2810	56.9	13.3	5.38	7.18	7.28	68	28.2 T
PCB073	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	8040	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB074	pg/g	338	204	143	218	1840	6630	422	109	174	413	976	414 T
PCB077	pg/g	64.8	30.9	34	58	251	801	92.4	30.1	42.7	77.3	173	81.3 T
PCB078	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	5 U	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB079	pg/g	18.7	23.9	6.36	10.1	1490	80	14.2	6.03	7.03	11	116	43.5 T
PCB080	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	5 U	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.99 UT
PCB081	pg/g	2.68 J	8.3	1.05 J	1.64 J	106	54.5	3.65 J	1.13 J	1.43 J	3.75	38.3	6.38 JT
PCB082	pg/g	133	328	59	97.5	1190	1470	151	58.8	78.2	117	1180	460 T
PCB083	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	603	12.8	6.38	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB084 & 092	pg/g	623	1440	245	374	72100	3630	490	264	330	385	5740	2260 T
PCB085 & 116	pg/g	197	427	89.9	145	2330	1950	231	84.6	115	151	1660	657 T
PCB086	pg/g	4.83 U	11.4	5.08 U	5.13 U	935	172	12.7	5.11 U	3.64	7.2	26.8	11.9 T
PCB087 & 117 & 125	pg/g	409	1300	200	302	21900	2930	414	187	232	300	4720	1830 T
PCB088 & 091	pg/g	234	429	93.9	163	47800	1770	204	118	133	154	1940	758 T
PCB089	pg/g	16	24.5	7.44	10.2	569	304	21.4	6.11	9.74	14.4	86.3	33.6 T
PCB090 & 101	pg/g	1510	3460	638	951	184000	6260	1170	621	722	893	13900	5590 T
PCB093	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	5 U	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB094	pg/g	8.24	24.6	7.05	11.9	21900	92.7	12.2	9.92	6.99	7.76	82.9	29.8 T
PCB095 & 098 & 102	pg/g	1110	2730	462	706	174000	6270	904	557	623	702	10900	4290 T
PCB096	pg/g	12.2	23	7.39	13.6	13500	237	17	10.2	10.9	11.5	102	39.4 T
PCB097	pg/g	383	892	157	241	14700	2730	336	150	199	254	3660	1510 T
PCB099	pg/g	694	1230	264	417	96500	3820	532	262	326	406	5470	2220 T
PCB100	pg/g	16.7	42.4	15.3	28.7	44000	71.3	19.7	27.3	12.4	11.6	164	56.7 T
PCB103	pg/g	35.5	43.5	15.8	31.7	18400	98.9	21.1 U	21	17.9	18.3	230	90.6 T
PCB104	pg/g	4.83 U	2.82	5.08 U	5.13 U	4780	2.63	5.08 U	5.11 U	2.5 U	2.53 U	6.14	4.81 UT

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
PCB105	pg/g	288	881	163	254	6230	2610	354	155	198	251	3160	1230 T
PCB106 & 118	pg/g	1040	2480	463	735	45400	5120	875	441	561	679	9900	4160 T
PCB107 & 109	pg/g	109	191	41.4	68.7	3620	441	86	40.5	48.9	65.2	815	330 T
PCB108 & 112	pg/g	67.7	145	29.4	43.7	21300	449	62.4	29.6	35.9	44.5	560	235 T
PCB110	pg/g	1510	3650	650	1000	56200	7490	1250	703	853	945	14500	5960 T
PCB111 & 115	pg/g	18.2	60.2	10.1	14.9	518	227	35	10.6	10.2	16	215	73.9 T
PCB113	pg/g	7.42	9.61	5.08 U	5.66	762	24.6	5.37	5.11 U	3.66	4.86	41.3	13.3 T
PCB114	pg/g	17.1	53.9	8.22	14.6	207	250	29.3	7.76	12.2	15	204	71.2 T
PCB119	pg/g	53.5	74.5	22.6	37.4	13600	211	35.1	24.1	26.7	28.5	405	150 T
PCB120	pg/g	11.5	11.6	5.08 U	5.13 U	567	16.5	7.48	5.11 U	3.66	4.67	43.9	17.6 T
PCB121	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	869	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB122	pg/g	12.1	29.6	7.17	10.2	163	122	14.2	5.37	7.41	10.5	109	38.3 T
PCB123	pg/g	16.4	36.5	8.79	13.9	511	158	23.2	8.81	10.6	12.3	128	52.3 T
PCB124	pg/g	37.4	120	16.8	30.4	879	201	39.5	17.4	23.7	24.2	408	149 T
PCB126	pg/g	5.61	14.8	3.02 J	5.86	455	30.1	7.01	4.19 J	4.69	4.26	48.7	20.3 T
PCB127	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	5 U	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB128 & 162	pg/g	170	612	89.7	145	24900	324	147	123	118	107	2310	791 T
PCB129	pg/g	44.1	189	23.2	37.6	11700	121	43.5	32.9	31.8	26.6	734	245 T
PCB130	pg/g	105	295	47.2	75.2	15400	192	92.3	66.8	66.8	57.9	1120	381 T
PCB131	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	104	7.97	19	5.11 U	2.5 U	2.53 U	3.49	4.81 UT
PCB132 & 161	pg/g	418	1330	205	321	91900	775	334	274	248	249	4310	1500 T
PCB133 & 142	pg/g	57.1	128	27.5	41.6	12300	96.4	45.7	35.1	30.1	32.3	510	162 T
PCB134 & 143	pg/g	75.7	229	35.5	57.1	27200	155	62.7	49.1	42.6	45.9	860	285 T
PCB135	pg/g	259	623	133	202	79900	412	199	169	143	150	2280	743 T
PCB136	pg/g	253	627	123	191	86200	410	200	164	136	156	2210	724 T
PCB137	pg/g	49.7	187	25.9	42.4	5740	123	54.3	33.7	35.2	25.9	732	250 T
PCB138 & 163 & 164	pg/g	1490	4910	809	1250	504000	2420	1330	1010	940	836	15400	5130 T
PCB139 & 149	pg/g	1550	3960	764	1190	499000	2350	1260	1020	858	906	13000	4250 T
PCB140	pg/g	19.6	31.6	7.64	12.7	1480	42.1	11.8	10.5	9.3	9.76	142	43.1 T
PCB141	pg/g	261	1000	166	241	138000	473	275	198	177	170	2650	859 T
PCB144	pg/g	72.4	218	41.2	63.7	32000	123	69.3	51.6	41.9	46.4	686	211 T
PCB145	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	197	2.75	5.08 U	5.11 U	2.5 U	2.53 U	5.16	4.81 UT
PCB146 & 165	pg/g	333	716	143	241	73800	475	237	184	164	178	2410	788 T
PCB147	pg/g	38.3	102	24.3	49	35400	75.7	46.4	41.4	27.1	24.5	586	173 T
PCB148	pg/g	11.6	9.71	5.08 U	6.71	2400	12.2	7.01	5.96	3.93	5.51	64.6	14.8 T
PCB150	pg/g	8.76	8.41	5.08 U	6.38 U	3560	9.83	5.3 U	5.14	4.38	4.04	68.6	16.6 T
PCB151	pg/g	452	1090	236	366	219000	638	388	324	252	264	3450	1060 T
PCB152	pg/g	4.83 U	5.09	5.08 U	5.13 U	4340	6.13	5.08 U	5.11 U	2.5 U	2.53 U	24.6	8.11 T
PCB153	pg/g	1590	4400	848	1300	620000	2360	1390	1020	866	940	13200	4480 T
PCB154	pg/g	63.9	78.4	24	41.9	14700	85.3	31.6	32.4	24.8	29	419	111 T
PCB155	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	495	2.75	5.08 U	5.11 U	2.5 U	2.53 U	2.6	4.81 UT
PCB156	pg/g	99.9	406	59.7	89.2	32300	204	101	68.3	66.3	70	1450	492 T
PCB157	pg/g	19.9	74.4	11.1	18.8	1690	48.5	21.8	16.5	14.7	14.5	296	103 T
PCB158 & 160	pg/g	116	520	73.4	115	46900	257	126	95.8	90.3	74.6	1690	563 T
PCB159	pg/g	22.4	49.3	11	18	8830	28.3	23.7	19.6	10.8	13.7	99.9	35.1 T
PCB166	pg/g	4.83 U	13.1	5.08 U	5.13 U	126	18.7	22.3	5.11 U	2.68	2.53 U	57.3	20 T
PCB167	pg/g	43.3	164	26.7	40.1	13600	84.1	45.7	33.4	32.3	29.8	582	193 T
PCB168	pg/g	4.83 U	7.58	5.08 U	5.13 U	1340	5.55	5.08 U	5.11 U	2.5 U	2.53 U	28.4	9.3 T
PCB169	pg/g	1.16 U	1.53 U	1.14 U	1.34 U	3.02 U	1.08 U	1.61 U	1.18 U	0.761 U	0.695 U	1.93 U	1.57 UT
PCB170	pg/g	442	1700	281	416	306000	653	449	362	272	293	3170	998 T
PCB171	pg/g	137	450	78.4	111	76900	187	134	97.5	74.7	79.6	863	278 T
PCB172	pg/g	91	272	50.2	74.6	48600	115	89.4	68.9	52.2	51.9	510	166 T
PCB173	pg/g	10.9	38.4	7.41	10.7	6920	19.8	22.1	8.45	6.79	6.47	80.3	26.2 T
PCB174	pg/g	600	1690	322	476	312000	725	540	453	330	340	3070	1010 T

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												
PCB175	pg/g	28.5	79.5	15.5	22.7	15000	40.8	31.8	22.1	16.4	16.1	165	53.9 T
PCB176	pg/g	84.5	217	44.6	61.8	43800	112	84.2	61	43.9	47.4	470	146 T
PCB177	pg/g	334	993	183	280	175000	437	318	258	190	197	1930	615 T
PCB178	pg/g	144	325	78.2	114	69600	181	139	119	81.3	81	775	235 T
PCB179	pg/g	295	708	160	232	155000	374	280	263	171	175	1650	499 T
PCB180	pg/g	1280	4210	739	1060	784000	1640	1220	1090	733	747	6920	2280 T
PCB181	pg/g	6.71	8.21	5.08 U	9.46	927	47.8	91.6	5.11 U	2.5 U	2.53 U	27.6	8.91 T
PCB182 & 187	pg/g	880	2110	476	692	428000	1090	813	809	508	478	4560	1400 T
PCB183	pg/g	346	1080	211	290	217000	478	344	303	204	202	2090	647 T
PCB184	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	131	5.06	5.08 U	5.11 U	2.5 U	2.53 U	3.96	4.81 UT
PCB185	pg/g	65.4	180	37.5	52.7	34700	94.9	85.4	58.1	35.9	38	303	107 T
PCB186	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	49.3	3.28	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB188	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	616	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	13.1	4.81 UT
PCB189	pg/g	16.7	67.9	10.9	16	11400	30.2	20	13	10.5	10.1	129	41.7 T
PCB190	pg/g	90.4	352	59.6	87.2	62900	144	112	77	55.1	61.7	603	193 T
PCB191	pg/g	18.2	68.8	11.9	17.3	12000	27.6	21.2	14.9	11.5	11.2	124	41 T
PCB192	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	60.4	2.46 U	5.08 U	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB193	pg/g	63.9	181	35.7	53.8	35700	85.7	60.8	49.4	36.3	36.4	335	109 T
PCB194	pg/g	318	951	161	264	167000	401	327	332	174	169	1240	475 T
PCB195	pg/g	119	402	67.9	108	69400	188	165	112	62	67.3	534	192 T
PCB196 & 203	pg/g	491	1090	230	371	204000	663	520	524	261	231	1730	691 T
PCB197	pg/g	15.1	36.6	7.63	11.7	6300	26.2	20.4	13.9	7.37	8.61	54.4	21.8 T
PCB198	pg/g	24.2	52.6	11.8	18.9	9100	37	41.1	23	13.6	11.2	87.4	32.8 T
PCB199	pg/g	520	880	222	360	166000	581	478	494	249	221	1490	609 T
PCB200	pg/g	52.3	113	23.2 U	43.9	21100	78.4	72	55.8	28.1	27	185	73.5 T
PCB201	pg/g	57.9	111	24.1	41	19600	72.7	59.8	59	27.4	28.2	183	74.9 T
PCB202	pg/g	116	141	42.6	66.4	23800	104	133	103	47.5	45.1	281	116 T
PCB204	pg/g	4.83 U	2.55 U	5.08 U	5.13 U	41.9	5.69	7.3	5.11 U	2.5 U	2.53 U	2.49 U	4.81 UT
PCB205	pg/g	14.3	45.1	8.28	12.4	7520	22.8	22.4	13.8	7.95	7.72	56.4	23.8 T
PCB206	pg/g	607	320	117	182	29200	345	743	213	127	140	528	230 T
PCB207	pg/g	56.2	32.4	11.8	23	3610	57.7	77.1	27	15.9	22.3	59.1	27.2 T
PCB208	pg/g	227	83	32.4	51.9	4240	79.8	180	51.5	38.5	42.4	131	58.2 T
PCB209	pg/g	1070	146	120	194	2080	384	1480	124	201	385	267	124 T
Polychlorinated biphenyls	pg/g	35100	67700	15500	24300	8100000	268000	33900	18700	19400	26300	218000	81700 T
Monochlorobiphenyl homologs	pg/g	48.2	23.6	32.5	40.7	1170	4310	39.9	27.9	45.5	51	706	127 T
Dichlorobiphenyl homologs	pg/g	369	131	223	457	71700	17100	511	259	432	650	1300	668 T
Trichlorobiphenyl homologs	pg/g	2930	601	1020	1600	243000	50700	2400	850	1740	4060	2930	1750 T
Tetrachlorobiphenyl homologs	pg/g	6970	5620	2740	4440	773000	125000	7850	2380	3980	7240	27000	11600 T
Pentachlorobiphenyl homologs	pg/g	8570	20200	3680	5730	870000	49200	7350	3820	4620	5540	80400	32300 T
Hexachlorobiphenyl homologs	pg/g	7620	22000	3950	6160	2610000	12300	6590	5080	4440	4470	71400	23600 T
Heptachlorobiphenyl homologs	pg/g	4930	14700	2800	4080	2800000	6490	4850	4120	2830	2870	27800	8860 T
Octachlorobiphenyl homologs	pg/g	1730	3820	776	1300	694000	2180	1850	1730	878	816	5840	2310 T
Nonachlorobiphenyl homologs	pg/g	890	435	161	257	37000	483	1000	291	181	205	718	315 T

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022	BT023
	X_Easting	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64
	Y_Northing	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325	700694.601
	Sample ID	LW2-GBT012	LW2-GBT013	LW2-GBT014	LW2-GBT015	LW2-GBT016	LW2-GBT017	LW2-GBT018	LW2-GBT019	LW2-GBT020	LW2-GBT021	LW2-GBT022	LW2-GBT023
	Sample Date	12/16/2005	12/13/2005	12/19/2005	12/20/2005	12/19/2005	12/13/2005	12/16/2005	12/20/2005	12/06/2005	12/13/2005	12/08/2005	12/20/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit												

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
Total solids	percent	56.3	50.6	38.3	52.7	50.3 T	37.1	58.1 T	54.7	51.3	54.3 T	42.3 T
Total organic carbon	percent	1.15 T	1.85	2.33	2.09 T	1.99 T	3.37	1.32	1.95 T	1.6	2.68	2.47
Sulfide	mg/kg	8.85 T	11.5	10.7	1.6 J	1.3 JT	2.5	7.8 J	15.6 J	3.1 J	33.6	9.5
Ammonia	mg/kg	49.7 JT	96.5 J	82.1 J	49.4 JT	51.7 JT	108 J	53.4 J	134 JT	63.8 J	56 J	76.5 J
pH	ph units								7.03			
Oxidation-Reduction Potential	mv								-55.9			
Medium gravel	percent	0.02	0.797 T	0	0.62	0.532 T	0	0	0	0	0.15	0
Fine gravel	percent	0.26	1.76 T	0.7	1.2	0.76 T	0.29	0.65	0.35	0.19	3.36	0
Very coarse sand	percent	0.21	1.69 T	1.44	1.32	1.15 T	1.06	0.32	1.06	0.32	5.01	0.71
Coarse sand	percent	0.28	2.26 T	7.81	3.97	3.04 T	1.88	1.48	6.62	6.55	9.21	0.63
Medium sand	percent	1.93	5.3 T	16.2	13.9	10.9 T	5.02	10.5	21.3	26 7	12.9	0.78
Fine sand	percent	18.2	5.75 T	8.38	20.1	17.6 T	4.7	18.5	11.8	12.2	9.52	5.92
Very fine sand	percent	27.6	12.8 T	7.65	29.2	31.2 T	8.75	18	8.49	25.6	16.7	8.29
Fines	percent	48 T	70.1 JT	57.1 T	27 T	33.1 T	78.2 T	52.5 T	51.8 T	29.1 T	38.1 T	84 T
Coarse silt	percent	20.1	21.9 T	11.5	12.8	18.3 T	40.6	16.6	9.67	13.8	26.9	36.5
Medium silt	percent	10.7	17.5 T	12.3	5.67	6.04 T	16.4	10.9	16.8	5.99	5.9	23.7
Fine silt	percent	6.58	12.5 T	14.2	3.14	3.45 T	9.68	7.55	10.2	3.37	2.03	9.37
Very fine silt	percent	2.79	5.74 T	5.89	2.42	2.13 T	5.06	8.38	6.17	2.7	1.31	5.89
8-9 Phi clay	percent	0.39	5.21 JT	5.95	1.29	1.22 T	2.51	3.31	2.98	1.17	0.48	2.55
>9 Phi clay	percent	7.44	7.24 JT	7.3	1.69	2 T	3.98	5.73	5.93	2.1	1.48	5.98
Aluminum	mg/kg	24800	24500	25200	23000	24600 T	31400	24000	25100	34600	16700	20000
Antimony	mg/kg	0.21 J	0.36 J	0.81 J	0.11 J	0.125 JT	0.65 J	0.16 J	0.13 J	0.11 J	0.69 J	0.1 J
Arsenic	mg/kg	3.92	3.81	6.7	3.12	3.31 T	4.77	3.26	3.2	3.17	3.72	3.86
Cadmium	mg/kg	0.604	0.211	0.697	0.24	0.255 T	0.729	0.315	0.277	0.225	0.336	0.294
Chromium	mg/kg	35.4 J	32 J	64.7 J	32.8	33.2 T	46.7	33.6	31.9	41.3	30.8	25.3
Copper	mg/kg	42.3	42.1	110	36.6	37.8 T	67.2	35.3	36.3	36.7	36.8	29.4
Lead	mg/kg	40.9 J	14 J	49.8 J	16.9	15.8 T	85.5	17.6	15.9	12.9	29.1	17.3
Manganese	mg/kg				593	585 T	711	442	624	699	440	
Mercury	mg/kg	0.079	0.091	0.127	0.0525 T	0.0625 T	0.159	0.092	0.212	0.051	0.118	0.071 J
Nickel	mg/kg	28.1	25.6	39.5	20.2 J	21.6 JT	21.7 J	20.4 J	21.2 J	21.8 J	16.5 J	17.5 J
Selenium	mg/kg	0.14 U	0.19 U	0.18 U	0.13 U	0.13 UT	0.19 U	0.11 U	0.15 U	0.16 U	0.18 U	0.18 U
Silver	mg/kg	0.293 J	0.253 J	0.494 J	0.133 J	0.133 JT	0.374 J	0.218 J	0.212 J	0.191 J	0.15 J	0.127
Thallium	mg/kg				0.095	0.0985 T	0.124	0.084	0.116	0.101	0.101	
Zinc	mg/kg	284	115	301	121	119 T	225	141	119	112	624	83.3
Barium	mg/kg				149	153 T	187	145	157	184	125	
Beryllium	mg/kg				0.54 J	0.554 JT	0.675 J	0.455 J	0.58 J	0.64 J	0.515 J	
Chromium hexavalent	mg/kg	0.4 JT	0.5 J	0.5 J	0.2 UJT	0.2 UJT	0.2 UJ	0.1 UJ	0.1 UJT	0.1 UJ	0.2 UJ	1.2 J
Butyltin ion	µg/kg	0.5 J	0.81 J	8.2	1.3 J	2.05 JT	1.7 J	2.6	0.17 J	0.22 J	1.8 J	0.37 J
Dibutyltin ion	µg/kg	2.3	9.5	180	8.6	12 T	13	16	1 J	1.3 J	8	1.8 J
Tributyltin ion	µg/kg	10	13	150	30	30.5 T	10	24	1.7 U	3.6	10	2.8 U
Tetrabutyltin	µg/kg	0.13 U	0.14 U	2.2 J	1.8 J	2.15 JT	1.5 U	0.13 U	0.13 U	0.14 U	0.13 U	0.17 U
1,1,1,2-Tetrachloroethane	µg/kg	0.056 U	0.062 U	0.081 U	0.059 U	0.062 UT	0.084 U	0.054 U	0.057 U	0.061 U	0.058 U	0.074 U
1,1,1-Trichloroethane	µg/kg	0.11 U	0.12 U	0.16 U	0.12 U	0.12 UT	0.16 U	0.11 U	0.11 U	0.12 U	0.11 U	0.14 U
1,1,2,2-Tetrachloroethane	µg/kg	0.18 U	0.19 U	0.26 U	0.19 U	0.19 UT	0.26 U	0.17 U	0.18 U	0.19 U	0.18 U	0.23 U
1,1,2-Trichloroethane	µg/kg	0.11 U	0.12 U	0.16 U	0.12 U	0.12 UT	0.16 U	0.11 U	0.11 U	0.12 U	0.11 U	0.14 U
1,1-Dichloroethane	µg/kg	0.11 U	0.12 U	0.15 U	0.11 U	0.12 UT	0.16 U	0.099 U	0.11 U	0.12 U	0.11 U	0.14 U
1,2,3-Trichloropropane	µg/kg	0.2 U	0.22 U	0.29 U	0.21 U	0.22 UT	0.3 U	0.2 U	0.21 U	0.22 U	0.21 U	0.27 U
1,2-Dichloroethane	µg/kg	0.056 U	0.062 U	0.081 U	0.059 U	0.062 UT	0.084 U	0.054 U	0.057 U	0.061 U	0.058 U	0.074 U
1,2-Dichloropropane	µg/kg	0.063 U	0.07 U	0.092 U	0.067 U	0.07 UT	0.095 U	0.061 U	0.064 U	0.069 U	0.065 U	0.083 U
1,4-Dichloro-trans-2-butene	µg/kg	0.91 U	1.1 U	1.4 U	0.97 U	1.1 UT	1.4 U	0.89 U	0.94 U	1 U	0.95 U	1.3 U
2-Chloroethyl vinyl ether	µg/kg	0.27 U	0.3 U	0.4 U	0.29 U	0.3 UT	0.41 U	0.27 U	0.28 U	0.3 U	0.28 UJ	0.36 U
Acetone	µg/kg	R	R	R	3.1 U	3.2 UT	5.7 U	6.2 U	9.8 U	3.5 U	4.4 U	26 U
Acrolein	µg/kg	R	R	R	R	R	R	R	R	R	R	R
Acrylonitrile	µg/kg	0.41 U	0.46 U	0.61 U	0.44 U	0.46 UT	0.62 U	0.4 U	0.43 U	0.45 U	0.43 U	0.55 U

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
Benzene	µg/kg	0.07 U	0.078 U	0.11 U	0.075 U	0.078 UT	0.11 U	0.068 U	0.072 U	0.077 U	0.073 U	0.093 U
Bromochloromethane	µg/kg	0.11 U	0.12 U	0.16 U	0.12 U	0.12 UT	0.17 U	0.11 U	0.11 U	0.12 U	0.12 U	0.15 U
Bromodichloromethane	µg/kg	0.13 U	0.14 U	0.18 U	0.13 U	0.14 UT	0.19 U	0.12 U	0.13 U	0.14 U	0.13 U	0.17 U
Bromoform	µg/kg	0.082 U	0.091 U	0.13 U	0.088 U	0.091 UT	0.13 U	0.08 U	0.085 U	0.09 U	0.086 U	0.11 U
Bromomethane	µg/kg	0.66 U	0.74 U	0.97 U	0.71 U	0.74 UT	1 U	0.65 U	0.68 U	0.73 U	0.69 U	0.88 U
Carbon disulfide	µg/kg	0.24 U	0.26 U	0.34 U	0.25 U	0.26 UT	0.36 U	0.23 U	0.24 U	0.26 U	0.25 U	0.31 U
Carbon tetrachloride	µg/kg	0.18 U	0.2 U	0.26 U	0.19 U	0.2 UT	0.27 U	0.18 U	0.19 U	0.2 U	0.19 U	0.24 U
Chlorobenzene	µg/kg	0.13 U	0.14 U	0.19 U	0.14 U	0.14 UT	0.19 U	0.13 U	0.13 U	0.14 U	0.13 U	0.17 U
Chlorodibromomethane	µg/kg	*0.13 U*	*0.14 U*	*0.18 U*	*0.13 U*	*0.14 UT*	*0.19 U*	*0.12 U*	*0.13 U*	*0.14 U*	*0.13 U*	*0.17 U*
Chloroethane	µg/kg	0.5 U	0.56 U	0.74 U	0.54 U	0.56 UT	0.76 U	0.49 U	0.52 U	0.55 U	0.52 U	0.67 U
Chloroform	µg/kg	0.1 U	0.12 U	0.15 U	0.19 J	0.12 UT	0.16 U	0.098 U	0.11 U	0.11 U	0.11 U	0.14 U
Chloromethane	µg/kg	0.34 U	0.38 U	0.5 U	0.37 U	0.38 UT	0.52 U	0.33 U	0.35 U	0.38 U	0.36 U	0.45 U
cis-1,3-Dichloropropene	µg/kg	0.056 U	0.062 U	0.081 U	0.059 U	0.062 UT	0 084 U	0.054 U	0.057 U	0.061 U	0.058 U	0.074 U
Dichlorodifluoromethane	µg/kg	0.32 J	0.22 U	4.1	0.34 J	1.5 T	0.3 U	0.57 J	2.5	3.1	0.21 U	0.27 U
Ethylbenzene	µg/kg	0.13 U	0.15 U	0.19 U	0.14 U	0.15 UT	0.2 U	0.13 U	0.13 U	0.14 U	0.14 U	0.17 U
cis-1,2-Dichloroethene	µg/kg	0.12 U	0.13 U	0.17 U	0.12 U	0.13 UT	0.17 U	0.11 U	0.12 U	0.13 U	0.12 U	0.15 U
Isopropylbenzene	µg/kg	0.079 U	0.087 U	0.12 U	0.084 U	0.087 UT	0.12 U	0.077 U	0.081 U	0.086 U	0.082 U	0.11 U
m,p-Xylene	µg/kg	0.24 U	0.26 U	0.7 J	0.25 U	0.26 UT	0.36 U	0.23 U	0.24 U	0.26 U	0.25 U	0.31 U
Methyl iodide	µg/kg	1.2 U	1.4 U	1.8 U	1.3 UJ	1.4 UJT	1.9 UJ	1.2 U	1.3 U	1.4 U	1.3 UJ	1.6 U
Methyl isobutyl ketone	µg/kg	0.43 U	0.48 U	0.63 U	0.46 U	0.48 UT	0.65 U	0.42 U	0.44 U	0.47 U	0.45 U	0.57 U
Methyl n-butyl ketone	µg/kg	R	R	R	1.3 U	1.3 UT	1.8 U	1.2 U	1.2 U	1.3 U	1.2 U	1.6 U
Methyl tert-butyl ether	µg/kg	0.07 U	0.078 U	0.11 U	0.075 U	0.078 UT	0.11 U	0.068 U	0.072 U	0.077 U	0.073 U	0.093 U
Methylene bromide	µg/kg	0.15 U	0.17 U	0.22 U	0.16 U	0.17 UT	0.23 U	0.15 U	0.15 U	0.16 U	0.16 U	0.2 U
Methylene chloride	µg/kg	0.52 UJ	0.58 UJ	0.76 UJ	1.5 U	0.76 UT	1.3 U	1.1 U	1.9 U	1.5 U	0.81 U	0.69 U
Methylethyl ketone	µg/kg	R	2.4 J	R	R	R	R	R	R	R	R	R
o-Xylene	µg/kg	0.14 U	0.15 U	0.39 J	0.15 U	0.15 UT	0.21 U	0.14 U	0.14 U	0.15 U	0.14 U	0.18 U
Ethylene dibromide	µg/kg	0.091 U	0.11 U	0.14 U	0.097 U	0.11 UT	0.14 U	0.089 U	0.094 U	0.1 U	0.095 U	0.13 U
Styrene	µg/kg	0.14 U	0.15 U	0.2 U	0.15 U	0.15 UT	0.2 U	0.13 U	0.14 U	0.15 U	0.14 U	0.18 U
Tetrachloroethene	µg/kg	0.22 J	0.19 U	0.26 U	0.19 U	0.19 UT	0.26 U	0.17 U	0.18 U	0.19 U	0.18 U	0.23 U
Toluene	µg/kg	*0.27 U*	*0.3 U*	*1.1 U*	*0.29 U*	*0.3 UT*	*0.41 U*	*0.27 U*	*0.28 U*	*0.3 U*	*0.28 U*	*0.36 U*
trans-1,2-Dichloroethene	µg/kg	0.34 U	0.38 U	0.5 U	0.37 U	0.38 UT	0.52 U	0.33 U	0.35 U	0.38 U	0.36 U	0.45 U
trans-1,3-Dichloropropene	µg/kg	0.079 U	0.087 U	0.12 U	0.084 U	0.087 UT	0.12 U	0.077 U	0.081 U	0.086 U	0.082 U	0.11 U
Trichloroethene	µg/kg	0.12 U	0.13 U	0.17 U	0.12 U	0.13 UT	0.17 U	0.11 U	0.12 U	0.13 U	0.12 U	0.15 U
Trichlorofluoromethane	µg/kg	0.15 U	0.17 U	0.22 U	0.16 U	0.17 UT	0.22 U	0.15 U	0.15 U	0.16 U	0.16 U	0.2 U
Vinyl acetate	µg/kg	R	R	R	R	R	R	R	R	R	R	R
Vinyl chloride	µg/kg	0 16 U	0.17 U	0.23 U	0.17 U	0.17 UT	0.23 U	0.15 U	0.16 U	0.17 U	0.16 U	0.21 U
1,1-Dichloroethene	µg/kg	0.15 U	0.17 U	0.22 U	0.16 U	0.17 UT	0.23 U	0.15 U	0.15 U	0.16 U	0.16 U	0.2 U
Xylene	µg/kg	0.24 UT	0.26 UT	1.09 JT	0.25 UT	0.26 UT	0.36 UT	0.23 UT	0.24 UT	0.26 UT	0.25 UT	0.31 UT
BTEX	µg/kg	0.27 UT	0.3 UT	1.09 JT	0.29 UT	0.3 UT	0.41 UT	0.27 UT	0.28 UT	0.3 UT	0.28 UT	0.36 UT
2-Methylnaphthalene	µg/kg	2.3 J	3.7	5.5	1.9 J	4.3 T	12	2.8	18	0.96 J	15	1.8 J
Acenaphthene	µg/kg	4.9	6.3	10	2 J	2.3 JT	18	1.7 J	21	1.4 J	3.6 J	3.2
Acenaphthylene	µg/kg	2.3	3.3	9.9	3.7	1.9 JT	3.7	3.5	11	1.1 J	9.1	1.4 J
Anthracene	µg/kg	4.6	7	24	3.4	4.95 T	23	4.6	22	2.8	14	15
Fluorene	µg/kg	5.1	4.7	10	2.5	3.25 T	27	2.9	24	1.3 U	6.2 J	2.8 J
Naphthalene	µg/kg	5.7	7.9	11	0.67 UJ	0.7 UJT	0.95 UJ	6.2	40	3.1	0.65 UJ	0.83 U
Phenanthrene	µg/kg	22	28	150	14	24 T	100	23	110	13	71 J	18
Low Molecular Weight PAH	µg/kg	46.9 JT	60.9 T	220 T	27.5 JT	40.7 JT	184 T	44.7 JT	246 T	22.4 JT	119 JT	42.2 JT
Dibenzo(a,h)anthracene	µg/kg	2.1 J	2.2 J	24	4.1	2.8 T	9	3.5	3.7	1.5 J	7.7	4.5
Benzo(a)anthracene	µg/kg	19	29	170	22	18 T	77	20	44	13	58	27
Benzo(a)pyrene	µg/kg	23	26	180	31	23.5 T	71	26	34	16	88	28
Benzo(b)fluoranthene	µg/kg	20	27	210	29	23 T	75	26	31	15	74	31
Benzo(g,h,i)perylene	µg/kg	16	16	130	27	19.5 T	54	24	29	10	83	22
Benzo(k)fluoranthene	µg/kg	15	24	170	21	19 T	60	20	29	11	55	21
Chrysene	µg/kg	24	54	290	29	30 T	100	32	62	17	94	54

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT027I	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
Fluoranthene	µg/kg	44	50	330	32	49 T	160	47	160	27	150	41
Indeno(1,2,3-cd)pyrene	µg/kg	17	18	150	25	20 T	58	22	28	12	78	19
Pyrene	µg/kg	48	54	340	46	50 T	170	57	140	25	200	48
High Molecular Weight PAH	µg/kg	228 JT	300 JT	1990 T	266 T	255 T	834 T	278 T	561 T	148 JT	888 T	296 T
Polycyclic Aromatic Hydrocarbons	µg/kg	275 JT	361 JT	2210 T	294 JT	296 JT	1020 T	322 JT	807 T	170 JT	1010 JT	338 JT
1,2,4-Trichlorobenzene	µg/kg	0.64 U	0.72 U	0.94 U	0.69 U	0.72 UT	0.98 U	0.63 U	0.66 U	0.71 U	0.67 U	0.86 U
1,2-Dichlorobenzene	µg/kg	0.14 U	0.15 U	0.2 U	0.15 U	0.15 UT	0.21 U	0.14 U	0.14 U	0.15 U	0.14 U	0.18 U
1,3-Dichlorobenzene	µg/kg	0.2 U	0.22 U	0.29 U	0.21 U	0.22 UT	0.3 U	0.2 U	0.21 U	0.22 U	0.21 U	0.27 U
1,4-Dichlorobenzene	µg/kg	0.22 U	0.24 U	0.32 U	0.23 U	0.24 UT	0.33 U	0.21 U	0.22 U	0.24 U	0.23 U	0.29 U
Azobenzene	µg/kg	4.3 U	4.8 U	32 U	4.6 U	4.8 UT	33 U	4.2 U	4.4 U	4.7 U	23 U	5.7 U
2,4-Dinitrotoluene	µg/kg	5 U	5.6 U	37 U	5.4 U	5.6 UT	38 U	4.9 U	5.2 U	5.5 U	26 U	6.7 U
2,6-Dinitrotoluene	µg/kg	5 U	5.6 U	37 U	5.4 U	5.6 UT	38 U	4.9 U	5.2 U	5.5 U	26 U	6.7 U
2-Chloronaphthalene	µg/kg	6.4 U	7.2 U	47 U	6.9 U	7.2 UT	49 U	6.3 U	6.6 U	7.1 U	34 U	8.6 U
2-Nitroaniline	µg/kg	4.8 U	5.4 U	36 U	5.2 U	5.4 UT	37 U	4.7 U	5 U	5.3 U	26 U	6.4 U
3,3'-Dichlorobenzidine	µg/kg	6.6 U	7.4 U	49 U	7.1 U	7.4 UT	50 U	6.5 U	6.8 U	7.3 U	R	8.8 U
3-Nitroaniline	µg/kg	4.7 U	5.2 U	34 U	5 U	5.2 UT	36 U	4.6 U	4.8 U	5.1 U	25 U	6.2 U
4-Bromophenyl phenyl ether	µg/kg	2.5 U	2.8 U	19 U	2.7 U	2.8 UT	19 U	2.5 U	2.6 U	2.8 U	13 U	3.4 U
4-Chloroaniline	µg/kg	3.8 U	4.2 U	28 U	4 U	4.2 UT	29 U	3.7 U	3.9 U	4.1 U	20 U	5 U
4-Chlorophenyl phenyl ether	µg/kg	3.6 U	4 U	27 U	3.8 U	4 UT	27 U	3.5 U	3.7 U	3.9 U	19 U	4.8 U
4-Nitroaniline	µg/kg	6.1 U	6.8 U	45 U	6.5 U	6.8 UT	46 U	6 U	6.3 U	6.7 U	32 U	8.1 U
Aniline	µg/kg	R	R	R	2.9 U	R	R	R	R	R	R	3.6 U
Benzoic acid	µg/kg	180 U	190 U	1300 U	R	R	R	170 U	180 U	190 U	R	230 U
Benzyl alcohol	µg/kg	6.6 U	7.4 U	49 U	7.3 J	7.4 UT	50 U	6.5 U	6.8 U	7.3 U	35 U	8.8 U
Bis(2-chloroethoxy) methane	µg/kg	2.4 U	2.6 U	17 U	2.5 U	2.6 UT	18 U	2.3 U	2.4 U	2.6 U	13 U	3.1 U
Bis(2-chloroethyl) ether	µg/kg	4.3 U	4.8 U	32 U	4.6 U	4.8 UT	33 U	4.2 U	4.4 U	4.7 U	23 U	5.7 U
Carbazole	µg/kg	2.4 U	3 J	26 J	2.5 U	3.9 JT	18 U	2.8 J	5.6 J	2.6 U	13 U	3.4 J
Dibenzofuran	µg/kg	3.2	2.2 J	6.8	1.4 J	1.5 JT	12	2 J	13	0.78 J	2.3 J	1.5 J
Hexachlorobenzene	µg/kg	0.168 J	0.102 JT	0.1 J	0.209	0.184 JT	1.22	0.136 J	0.706	0.0997 J	0.229	0.315
Hexachlorobutadiene	µg/kg	0.31 U	0.00588 UJT	0.00659 UJ	0.33 U	0.00179 UJT	0.46 U	0.3 U	0.32 U	0.43 J	0.32 U	0.00175 UJ
Hexachlorocyclopentadiene	µg/kg	27 U	30 U	200 U	29 U	30 UT	210 U	27 U	28 U	30 U	140 U	36 U
Hexachloroethane	µg/kg	0.62 J	0.85 J	1.4 U	0.2 UJ	0.3 JT	1.5 U	0.6 J	0.67 J	0.52 J	0.97 U	0.64 J
Isophorone	µg/kg	2.9 U	3.2 U	21 U	3.1 U	3.2 UT	22 U	2.8 U	3 U	3.2 U	15 U	3.8 U
Nitrobenzene	µg/kg	3.6 U	4 U	27 U	3.8 U	4 UT	27 U	3.5 U	3.7 U	3.9 U	19 U	4.8 U
N-Nitrosodimethylamine	µg/kg	11 U	13 U	80 U	12 U	13 UT	83 U	11 U	12 U	12 U	57 U	15 U
N-Nitrosodipropylamine	µg/kg	5.7 U	6.4 U	42 U	6.1 U	6.4 UT	44 U	5.6 U	5.9 U	6.3 U	30 U	7.6 U
N-Nitrosodiphenylamine	µg/kg	4 U	4.4 U	29 U	4.2 U	4.4 UT	30 U	3.9 U	4.1 U	4.3 U	21 U	5.3 U
Bis(2-chloroisopropyl) ether	µg/kg	2.2 U	2.4 U	16 U	2.3 U	2.4 UT	17 U	2.1 U	2.2 U	2.4 U	12 U	2.9 U
Dimethyl phthalate	µg/kg	3.2 U	3.6 U	24 U	3.5 U	3.6 UT	25 U	3.2 U	3.3 U	3.6 U	17 U	4.3 U
Diethyl phthalate	µg/kg	6.3 U	7 U	46 U	6.7 U	7 UT	48 U	6.1 U	6.4 U	6.9 U	33 U	8.3 U
Dibutyl phthalate	µg/kg	7.1 J	7.4 J	41 J	8 J	8.9 UT	36 U	6.7 J	5.1 J	5.1 U	38 U	7.9 U
Butylbenzyl phthalate	µg/kg	9.6 J	4.9 J	64 J	5.8 J	34 T	49 J	17 J	2.8 U	3 U	92	11 J
Di-n-octyl phthalate	µg/kg	2.2 U	2.4 U	16 U	2.3 U	2.4 UT	17 U	2.1 U	2.2 U	2.4 U	12 U	2.9 U
Bis(2-ethylhexyl) phthalate	µg/kg	44 J	53 J	1600 J	95 U	242 T	1000	260 J	25 U	46 UJ	960	120
2,3,5,6-Tetrachlorophenol	µg/kg	0.75 U	0.84 U	1.1 U	0.8 U	8.4 UT	1.2 U	0.73 U	0.77 UJ	0.82 U	0.78 U	1.4 U
2,4,5-Trichlorophenol	µg/kg	8.9 U	5 NJ	5 U	3.5 U	6.7 UT	2.3 U	4.1 U	2 UJ	3.7 U	2.7 U	0.79 U
2,4,6-Trichlorophenol	µg/kg	0.45 U	0.5 U	0.66 U	0.74 U	5 UT	0.68 U	0.44 U	0.46 UJ	0.49 U	0.61 U	0.6 U
2,4-Dichlorophenol	µg/kg	3.2 U	3.6 U	24 U	3.5 U	3.6 UT	25 U	3.2 U	3.3 U	3.6 U	17 U	4.3 U
2,4-Dimethylphenol	µg/kg	9.8 U	11 U	72 U	11 U	R	R	9.6 U	11 U	11 U	R	14 U
2,4-Dinitrophenol	µg/kg	64 U	72 U	470 U	69 U	72 UT	490 U	63 U	66 U	71 U	340 U	86 U
2-Chlorophenol	µg/kg	3.1 U	3.4 U	23 U	3.3 U	3.4 UT	23 U	3 U	3.2 U	3.4 U	16 U	4.1 U
2-Methylphenol	µg/kg	6.1 U	6.8 U	45 U	6.5 U	6.8 UT	46 U	6 U	6.3 U	6.7 U	32 U	8.1 U
2-Nitrophenol	µg/kg	4.7 U	5.2 U	34 U	5 U	5.2 UT	36 U	4.6 U	4.8 U	5.1 U	25 U	6.2 U
4,6-Dinitro-2-methylphenol	µg/kg	3.1 U	3.4 U	23 U	3.3 U	3.4 UT	23 U	3 U	3.2 U	3.4 U	16 U	4.1 U
4-Chloro-3-methylphenol	µg/kg	3.8 U	4.2 U	28 U	4 U	4.2 UT	29 U	3.7 U	3.9 U	4.1 U	20 U	5 U

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Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
4-Methylphenol	µg/kg	5.2 U	13 J	38 U	5.6 U	8.5 JT	40 U	5.1 U	35 J	5.7 U	110	6.9 U
4-Nitrophenol	µg/kg	0.38 U	0.39 U	0.31 U	0.35 U	0.36 UT	0.5 UJ	0.37 U	0.34 U	0.32 U	0.34 U	0.43 U
Pentachlorophenol	µg/kg	2.3 NJ	3.4 J	14 J	0.66 U	0.67 UT	0.93 UJ	3.4 J	0.63 U	1.8 J	0.64 U	3.3 NJ
Phenol	µg/kg	12 J	18 J	33 J	3.7 U	9.7 JT	26 U	23 J	20 J	9 J	18 U	9.9 J
2,3,4,5-Tetrachlorophenol	µg/kg	0.77 U	7.6 U	5.7 U	0.82 U	8.5 UT	2.4 U	0.75 U	0.79 UJ	1.4 U	2.6 U	12 U
Dalapon	µg/kg	0.28 U	0.29 U	0.23 U	0.26 U	0.26 UT	0.37 UJ	0.28 U	0.25 U	0.24 U	0.25 U	0.32 U
Dicamba	µg/kg	1 U	1 U	0.82 U	0.94 U	0.95 UT	1.3 UJ	1 U	0.89 U	0.85 U	0.91 U	1.1 U
MCPA	µg/kg	0.69 U	0.7 U	0.56 U	0.63 U	0.64 UT	0.89 UJ	0.67 U	0.6 U	0.57 U	0.61 U	0.77 U
Dichloroprop	µg/kg	0.52 U	0.53 U	0.42 U	0.48 U	0.48 UT	0.67 UJ	0.51 U	0.45 U	0.43 U	0.46 U	0.58 U
2,4-D	µg/kg	0.32 U	0.33 U	0.26 U	0.3 U	0.3 UT	0.42 UJ	0.32 U	0.28 U	0.27 U	0.29 U	0.36 U
Silvex	µg/kg	0.47 U	0.48 U	0.38 U	0.44 U	0.44 UT	0.61 UJ	0.46 U	0.41 U	0.39 U	0.42 U	0.53 U
2,4,5-T	µg/kg	0.47 U	0.48 U	0.38 U	0.44 U	0.44 UT	0.61 UJ	0.46 U	0.41 U	0.39 U	0.42 U	0.53 U
2,4-DB	µg/kg	0.48 U	0.49 U	0.39 U	0.44 U	0.44 UT	0.62 UJ	0.47 U	0.42 U	0.4 U	0.42 U	0.53 U
Dinoseb	µg/kg	0.65 U	0.67 U	0.53 U	0.6 U	0.61 UT	0.85 UJ	0.64 U	0.57 U	0.55 U	0.58 U	0.73 U
MCPP	µg/kg	0.63 U	0.64 U	0.51 U	0.58 U	0.58 UT	0.81 UJ	0.61 U	0.55 U	0.52 U	0.56 U	0.7 U
2,4'-DDD	µg/kg	*0.518*	*0.617 T*	*0.21*	*0.427*	*0.592 T*	*7.08*	*0.366*	*0.998*	*0.0888 J*	*0.366*	*0.251*
2,4'-DDE	µg/kg	0.0704 J	0.122 JT	0.0356 J	0.125 J	0.0458 JT	2.9	0.0579 J	0.118 J	0.0147 J	0.0661 J	0.0363 J
2,4'-DDT	µg/kg	0.0731 J	0.0896 JT	0.0453 J	0.383	0.0762 JT	0.152 J	0.0583 J	0.207	0.0221 U	0.0667 J	0.0643 J
4,4'-DDD	µg/kg	2.83	3.66 T	0.9	1.77	1.93 T	28.1	1.97	4.98	0.474	1.95	1.13
4,4'-DDE	µg/kg	2.06	4.01 T	0.772	1.49	1.33 T	47.1	1.52	2.8	0.703	1.83	1.39
4,4'-DDT	µg/kg	0.281	0.294 T	0.186 J	0.455	0.313 T	2.95	0.213	0.566	0.224	0.344	0.335
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	5.17 T	7.96 T	1.86 JT	3.72 T	3.57 T	78.2 T	3.7 T	8.35 T	1.4 T	4.12 T	2.86 T
Aldrin	µg/kg	0.0593 J	0.123 JT	0.027 J	0.0411 J	0.0394 JT	11.4	0.0887 J	0.103 J	0.0201 J	0.113 J	0.083 J
alpha-Hexachlorocyclohexane	µg/kg	0.00681 U	0.00895 JT	0.00459 J	0.00638 J	0.00968 JT	0.0361 J	0.00879 U	0.00892 U	0.123 U	0.0158 J	0.0103 U
beta-Hexachlorocyclohexane	µg/kg	0.0494 U	0.00661 UT	0.0506 U	0.0521 U	0.0105 JT	0.044 J	0.0497 U	0.0381 J	0.0486 U	0.0377 J	0.00986 J
delta-Hexachlorocyclohexane	µg/kg	0.00187 U	0.00161 UT	0.00116 U	0.00152 U	0.00755 JT	0.0363 J	0.00414 J	0.0177 J	0.0174 U	0.0268 J	0.00384 J
gamma-Hexachlorocyclohexane	µg/kg	0.00833 U	0.00981 JT	0.0173 U	0.009 U	0.0107 JT	0.0432 J	0.0353 J	0.0172 U	0.0047 U	0.0115 J	0.0067 J
cis-Chlordane	µg/kg	0.172 J	0.483 T	0.111 J	0.163 J	0.16 JT	9.09	0.626	0.64	0.0674 J	0.934	0.301 J
trans-Chlordane	µg/kg	0.201 J	0.519 T	0.151 J	0.185 J	0.15 JT	12.8	0.71	0.67	0.0704 J	0.881	0.263 J
Oxychlordane	µg/kg	0.00694 U	0.00195 UT	0.0127 U	0.00782 U	0.00296 UT	0.0382 U	0.0041 U	0.0672 U	0.00273 U	0.0225 U	0.0682 U
cis-Nonachlor	µg/kg	0.0763 J	0.17 JT	0.0582 J	0.0642 J	0.0578 JT	1.07	0.23 J	0.151 J	0.0286 J	0.233 J	0.094 J
trans-Nonachlor	µg/kg	0.133 J	0.324 JT	0.108 J	0.147 J	0.118 JT	4.17	0.543	0.342 J	0.0767 J	0.608	0.237 J
Total Chlordanes	µg/kg	0.582 JT	1.5 JT	0.428 JT	0.559 JT	0.486 JT	27.1 T	2.11 JT	1.8 JT	0.243 JT	2.66 JT	0.895 JT
Dieldrin	µg/kg	0.0762 J	0.164 T	0.0378 J	0.0939 J	0.0628 JT	9.17	0.12 J	0.627	0.043 J	0.338	0.0936 J
alpha-Endosulfan	µg/kg	0.0146 U	0.0155 UT	0.0221 U	0.0451 J	0.0268 UT	0.0646 J	0.0266 U	0.0194 U	0.026 U	0.089 J	0.0272 UJ
beta-Endosulfan	µg/kg	0.0303 J	0.0343 JT	0.0407 U	0.101 J	0.0533 JT	0.127 J	0.0453 J	0.0386 U	0.0357 J	0.241	0.048 U
Endosulfan sulfate	µg/kg	0.0646 J	0.0997 JT	0.0358 J	0.328	0.0836 JT	0.207	0.0894 J	0.0935 J	0.0545 U	0.142 J	0.0659 J
Endrin	µg/kg	0.0185 U	0.0185 UT	0.019 U	0.0195 U	0.0188 UT	0.027 J	0.00984 J	0.0125 U	0.0182 U	0.0184 U	0.019 U
Endrin aldehyde	µg/kg	0.189 U	0.189 UT	0.194 U	0.2 U	0.192 UT	0.191 U	0.19 U	0.192 U	0.186 U	0.188 U	0.194 U
Endrin ketone	µg/kg	0.116 U	0.00208 UT	0.119 U	0.122 U	0.118 UT	0.0195 J	0.117 U	0.0073 J	0.114 U	0.0099 J	0.119 U
Heptachlor	µg/kg	0.0217 U	0.00387 UT	0.00264 J	0.0229 U	0.0221 UT	0.0382 J	0.0219 U	0.022 U	0.0214 U	0.00948 J	0.00414 U
Heptachlor epoxide	µg/kg	0.00456 J	0.00927 JT	0.00261 J	0.0207 J	0.0058 JT	0.0183 J	0.0055 J	0.01 J	0.00264 U	0.0266 J	0.00953 J
Methoxychlor	µg/kg	0.0268 U	0.0269 UT	0.191	0.0283 U	0.0275 UT	0.078 U	0.027 U	0.042 U	0.0264 U	0.064 U	0.0813 UJ
Mirex	µg/kg	0.18 U	0.11 J	1.2 U	0.76 U	0.089 UT	3.4 U	0.2 U	0.41 J	0.088 U	0.84 U	0.11 U
Toxaphene	µg/kg	49 U	35 U	510 U	44 U	19 UT	580 U	53 U	42 U	45 U	310 U	63 U
Chlordane (cis & trans)	µg/kg	0.373 JT	1 T	0.262 JT	0.348 JT	0.31 JT	21.9 T	1.34 T	1.31 T	0.138 JT	1.82 T	0.564 JT
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.01 U	0.008 U	0.008 U	0.04 U	0.03 UT	4.146	0.084 U	0.168 J	0.028 U	0.182 J	0.034 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.011 U	0.053 J	0.08 J	0.054 U	0.146 JT	1.478 J	0.255 J	0.204 J	0.103 J	1.017 J	0.119 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.014 U	0.069 J	0.154 J	0.055 U	0.207 JT	2.165 J	0.401 J	0.306 J	0.123 J	1.55 J	0.156 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.144 J	0.422 J	1.855	0.38 J	1.4 JT	18.453	1.592 J	1.718	0.704 J	10.409 J	0.623 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.069 J	0.246 J	0.484 J	0.229 J	0.531 JT	7.716	0.936 J	0.924 J	0.397 J	1.62	0.407 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2.941	9.712	59.306	9.483	27.2 T	502.53	37.524	62.067	17.6	231.363 J	13.614
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.152 U	0.096 U	0.125 U	0.08 U	0.154 JT	1.564	0.164 U	0.317 U	0.185 U	0.534	0.279 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.009 U	0.042 U	0.091 J	0.039 U	0.0885 JT	0.975 J	0.139 J	0.175 J	0.055 J	0.865 J	0.062 U

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.011 U	0.069 J	0.258 J	0.045 U	0.159 JT	1.669 J	0.256 J	0.365 J	0.106 J	1.308 J	0.084 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.067 J	0.188 J	3.691	0.286 J	0.524 JT	5.661	1.154 J	1.019 J	0.384 J	8.666 J	0.26 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.04 J	0.121 J	0.544 J	0.125 J	0.249 JT	2.408	0.393 J	0.604 J	0.165 J	2.609 J	0.165 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.011 U	0.036 J	0.419 J	0.064 U	0.024 JT	0.173 J	0.031 J	0.033 U	0.019 J	0.253 J	0.023 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.048 J	0.13 J	0.842 J	0.167 J	0.379 JT	3.381	0.49 J	0.267	0.214 J	1.398 J	0.103 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.565 U	1.865	24.915	1.459 J	4.27 T	85.078	7.481	9.523	2.814	80.786	3.364
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.016 U	0.133 J	1.997	0.058 U	0.307 JT	3.783	0.441 J	0.537 J	0.17 J	5.893 J	0.054 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.01 U	0.25	0.439	0.296	0.976 T	11.549	0.889	1.405	0.631	2.03	0.569
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.011 U	0.116	0.409	0.2	1.06 T	11.955	1.08	2.04	0.628	3.445	0.491
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.781	3.124	9.577	2.599	8.13 T	105.329	10.739	17.986	4.173	51.531	4.109
Heptachlorodibenzo-p-dioxin homologs	pg/g	6.465	24.914	130.055	24.306	58.4 T	1053.702	81.497	160.52	38.143	454.159	29.307
Octachlorodibenzo-p-dioxin	pg/g	32.186	113.131	570.305	84.38	204 T	5954.005 J	299.506	579.098	194.449	2089.664 J	112.187
Tetrachlorodibenzofuran homologs	pg/g	0.195	0.918	1.174	0.08 U	3.28 T	24.224	2.562	5.454	1.027	8.051	0.337
Pentachlorodibenzofuran homologs	pg/g	0.372	1.82	4.73	1.113	5.33 T	38.895	5.252	7.399	1.85	29.983	1.48
Hexachlorodibenzofuran homologs	pg/g	1.016	3.076	36.288	2.775	7.73 T	114.762	14.078	25.943	3.965	194.604	4.53
Heptachlorodibenzofuran homologs	pg/g	1.666	6.606	118.985	4.19	14.4 T	371.902	27.549	31.572	8.414	385.13	9.49
Octachlorodibenzofuran	pg/g	1.25 U	6.94	116.363	3.211 J	14 T	618.586	22.231	35.959	9.216	267.667	10.811
Aroclor 1016	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.2 UT	30 U	2 U	2.1 U	2.2 U	2.1 U	2.8 U
Aroclor 1221	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.2 UT	30 U	2 U	2.1 U	2.2 U	2.1 U	4 U
Aroclor 1232	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.2 UT	30 U	2 U	2.1 U	2.2 U	2.1 U	6 U
Aroclor 1242	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.2 UT	820	2 U	2.1 U	2.2 U	54 J	5.2 U
Aroclor 1248	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.3 UT	30 U	2 U	2.1 U	2.2 U	2.1 U	4.4 U
Aroclor 1254	µg/kg	44 J	9.7 U	2.9 U	27 J	2.2 UT	370	2 U	17 J	2.2 U	2.1 U	5.1 U
Aroclor 1260	µg/kg	28	15 J	210	26 J	15 JT	30 U	53 J	28	19	250	7 J
Aroclor 1262	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.2 UT	30 U	2 U	2.1 U	2.2 U	2.1 U	2.7 U
Aroclor 1268	µg/kg	2 U	2.2 U	2.9 U	4.2 U	2.2 UT	30 U	2 U	2.1 U	2.2 U	2.1 U	2.7 U
Aroclors	µg/kg	72 JT	15 JT	210 T	53 JT	15 JT	1190 T	53 JT	45 JT	19 T	304 JT	7 JT
PCB001	pg/g	13.2	21.3	225	9.36	6.64 T	1900	14.5 T	19.9	3	401	12.5
PCB002	pg/g	12.5	14.7	92.6	12.2	12.3 T	199	17.8 T	10.3	8.79	29.1	12.8
PCB003	pg/g	17.2	20.3	177	5.07	5.51 T	1080	18.4 T	21.8	3.93	284	11.9
PCB004 & 010	pg/g	54.7	30.5	359	142	108 T	12700	22 T	45.9	4.95 U	3690	190
PCB005 & 008	pg/g	212	109	456	36.2	34.1 T	41200	55.3 T	114	19.6	4290	102
PCB006	pg/g	42.3	26.3	131	8.41 U	8.88 UT	7300	12.4 T	20.7	4.95 U	2070	20.5
PCB007 & 009	pg/g	17.9 U	8.52 U	61.9 U	5.04 U	5.06 UT	3450	5.68 UT	7.98 U	4.95 U	286	9.82 U
PCB011	pg/g	81.6	123	278	94.3	113 T	463	99.4 T	50.7	80	264	233
PCB012 & 013	pg/g	26	14.6 U	70.9	5.04 U	5.05 UT	1650	10.3 T	12.4 U	4.95 U	398	16.9 U
PCB014	pg/g	4.92 U	5.02 U	24.8 U	5.04 U	5.05 UT	25.1 U	4.96 UT	5.12 U	4.95 U	4.89 U	9.82 U
PCB015	pg/g	264	108	319	33.4	38.3 T	15100	76.9 T	113	22.4	3290	116
PCB016 & 032	pg/g	300	147	811	56.8	60.9 T	42600	60.5 T	166	27.3	2950	117
PCB017	pg/g	184	97.9	594	63.5	86.9 T	28200	37 T	82.7	26.7	2140	122
PCB018	pg/g	447	233	746	64.6	65.6 T	75700	68.9 T	193	33.7	4370	120
PCB019	pg/g	53.5	26.7	503	121	193 T	6270	44.4 T	40	43.6	2170	310
PCB020 & 021 & 033	pg/g	392	215	473	58.8	54.2 T	53100	66.5 T	127	30.2	2000	106
PCB022	pg/g	237	128	368	38.3	38.7 T	29000	43 T	90	20.8	1350	71.8
PCB023	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	92.9	2.48 UT	2.56 U	2.48 U	4.32	4.91 U
PCB024 & 027	pg/g	38.8	19.5	147	19.5	22.6 T	4690	13.7 T	24.5	7.95	509	35.5
PCB025	pg/g	64.4	37.5	99.2	19	16 T	6250	13.9 T	26.2	8.2	709	26.4
PCB026	pg/g	110	61.8	179	35.2	29.7 T	12400	22.2 T	44.8	13.1	1080	38.7
PCB028	pg/g	790	451	795	133	122 T	76500	160 T	329	70	3650	228
PCB029	pg/g	4.54	2.51 U	7.57 J	2.52 U	2.52 UT	595	2.48 UT	2.56 U	2.48 U	21.8	4.91 U
PCB030	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	38.5	2.48 UT	2.56 U	2.48 U	3.88	4.91 U
PCB031	pg/g	623	358	638	102	101 T	71100	108 T	214	49.1	3760	186
PCB034	pg/g	7.18	4.27	10.8 J	2.52 U	2.52 UT	520	2.48 UT	2.56 U	2.48 U	27.1	4.91 U
PCB035	pg/g	13.1	7.08	20.1	3.98	3.85 T	852	5.11 T	5.59	2.54	49.7	7

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Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
PCB036	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	7.26 J	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB037	pg/g	277	137	247	44.8	41.1 T	20000	68.4 T	110	24.1	1070	77.7
PCB038	pg/g	7.29	4.41	280	5.78	6.6 T	372	7.26 T	6.66	2.64	131	4.94
PCB039	pg/g	3.44	2.51 U	4.79 J	2.52 U	2.52 UT	88.6	2.48 UT	2.56 U	2.48 U	7.17	4.91 U
PCB040	pg/g	158	76.2	235	27.4	25.5 T	13300	38.8 T	131	12.4	477	38.2
PCB041 & 064 &071 &072	pg/g	928	403	2650	214	192 T	61000	252 T	665	87.1	3010	246
PCB042 & 059	pg/g	309	151	499	66.4	55.2 T	23700	76.5 T	227	28	1000	79.7
PCB043 & 049	pg/g	1100	455	6560	567	451 T	52100	339 T	872	135	6720	349
PCB044	pg/g	1210	454	2850	204	184 T	71400	253 T	1200	90.5	2510	242
PCB045	pg/g	116	61.6	171	20.3	20.5 T	13500	30.4 T	110	8.92	472	30.9
PCB046	pg/g	54.4	28.7	168	15.7	15.9 T	5690	19.2 T	50.4	6.39	340	20.4
PCB047	pg/g	422	215	10100	330	337 T	18500	325 T	275	108	7650	314
PCB048 & 075	pg/g	173	90.4	371	33.3	34.5 T	16900	38 T	96.3	14.2	451	49.8
PCB050	pg/g	3.33	2.51 U	63.7	7.05	8.31 T	242	4.63 T	2.56 U	3.22	61.1	10.6
PCB051	pg/g	59.2	42.6	3590	109	140 T	3770	119 T	45	34.4	3200	132
PCB052 & 069	pg/g	1840	595	7040	710	575 T	69200	519 T	2190	178	5190	437
PCB053	pg/g	142	83.2	2180	161	176 T	12300	120 T	142	53.4	3310	176
PCB054	pg/g	4.56	4.34	347	25.4	37.9 T	198	15.2 T	3.86	11.1	436	52.5
PCB055	pg/g	19.6	6.96	212	6.03	6.97 T	862	8.37 T	15.8	2.48 U	74.5	5.77
PCB056 & 060	pg/g	476	246	755	87.5	90.7 T	38100	121 T	272	46.3	974	124
PCB057	pg/g	4.31	2.77	46.7	2.53	2.93 T	299	2.87 T	2.66	2.48 U	25.1	4.91 U
PCB058	pg/g	8.58	3.47	61.8	2.52 U	2.52 UT	140	2.56 T	3.46	2.48 U	11.3	4.91 U
PCB061 & 070	pg/g	1470	519	3440	225	232 T	62700	317 T	837	108	2060	263
PCB062	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	26.9	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB063	pg/g	39.2	17.6	106	7.04	7.26 T	2220	9.13 T	14.8	3.69	72.3	8.84
PCB065	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	52	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB066 & 076	pg/g	1050	437	1900	171	174 T	49600	240 T	572	87.2	1850	206
PCB067	pg/g	22.4	14	35.1	6.56	6.3 T	2010	7.2 T	10.4	2.8	98.5	8.73
PCB068	pg/g	21.8	8.24	169	10.2	12.5 T	238	9.98 T	10.4	3.19	83.2	6.61
PCB073	pg/g	2.46 U	2.51 U	187	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	8.66
PCB074	pg/g	473	206	848	74.6	77.1 T	28900	102 T	234	39.4	892	99.3
PCB077	pg/g	89.9	47.2	180	19.3	20.4 T	4730	40.7 T	51.1	12	253	27.6
PCB078	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB079	pg/g	49.7	10.4	230	9.14	9.41 T	345	13.8 T	29.7	3.35	59.4	6.16
PCB080	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB081	pg/g	12.6	2.61	18.5	1.81 J	1.5 JT	215	2.4 JT	11	0.673 J	13.1	1.41 J
PCB082	pg/g	515	89.7	1200	61.8	49.5 T	7100	112 T	374	23.3	312	66.4
PCB083	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	52.5	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB084 & 092	pg/g	1630	408	8550	472	328 T	19100	606 T	1570	119	2690	247
PCB085 & 116	pg/g	814	132	1560	99.6	76.3 T	8660	157 T	537	40.2	531	97.9
PCB086	pg/g	11.5	3.67	31.2	2.52 U	2.52 UT	587	3.18 T	7.93	2.48 U	13	4.91 U
PCB087 & 117 & 125	pg/g	1770	283	5440	245	189 T	16900	400 T	1410	91.4	1290	229
PCB088 & 091	pg/g	564	160	6840	220	238 T	7530	281 T	496	68.9	2490	150
PCB089	pg/g	26.9	9.53	84.1	5.31	4.74 T	1160	8.65 T	27.5	3	36.7	5.74
PCB090 & 101	pg/g	4780	998	24500	1350	873 T	38600	1720 T	3870	340	9230	704
PCB093	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB094	pg/g	15.4	8.38	737	16.4	19 T	343	21.9 T	14.6	6.77	154	15.4
PCB095 & 098 & 102	pg/g	2700	714	18000	1350	791 T	34000	1380 T	3170	270	8940	566
PCB096	pg/g	23	10.6	611	20.2	27.3 T	763	22 T	25.4	8.13	376	19.6
PCB097	pg/g	1400	244	3490	172	134 T	14200	310 T	1010	67.7	872	159
PCB099	pg/g	2380	460	10100	443	394 T	18100	600 T	1480	143	3190	285
PCB100	pg/g	26.4	17.9	1670	45.7	69.3 T	179	52.2 T	14.2	15.7	877	44.5
PCB103	pg/g	46.2	26.2	1280	57.9	75.7 T	358	55.5 T	37.1	16.7	626	38
PCB104	pg/g	2.46 U	2.51 U	89.3	3.54	4.79 T	8.11 J	3.17 T	2.56 U	2.48 U	39.8	5.1

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Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
PCB105	pg/g	2670	233	3470	187	170 T	14200	343 T	806	76.8	966	260
PCB106 & 118	pg/g	7720	753	12100	599	528 T	30900	1070 T	2450	243	3330	627
PCB107 & 109	pg/g	516	72.5	1140	56.9	61 T	2520	95.1 T	177	22.9	318	45.9
PCB108 & 112	pg/g	201	41.7	612	31.8	24.2 T	2310	55.9 T	149	11.5	161	26.3
PCB110	pg/g	5470	1010	17500	1170	742 T	43300	1690 T	4100	325	6080	784
PCB111 & 115	pg/g	100	13.4	226	10.1	10.1 T	1090	16.6 T	62.4	4.61	47.6	9.14
PCB113	pg/g	6.17	5	112	11	11.2 T	83.3	10.5 T	6.31	1.65 J	49.5	5.2
PCB114	pg/g	167	12.5	185	9.15	9.34 T	1110	16.4 T	30.3	4.42	45	12.1
PCB119	pg/g	113	39.8	1430	61.3	68.7 T	845	70.9 T	73.9	17.3	536	32.7
PCB120	pg/g	12.8	6.05	126	6.94	10.6 T	32.3	10.1 T	6.51	2.48 U	45.9	4.91 U
PCB121	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB122	pg/g	77.2	9.04	102	6.44	5.87 T	577	12.6 T	32.4	2.61	35.2	7.07
PCB123	pg/g	122	11.6	137	9.59	8.79 T	713	14.6 T	38.9	4.95	45.9	12.1
PCB124	pg/g	281	20.7	526	7.93	23.6 T	1290	47 T	92.2	10.1	142	24.7
PCB126	pg/g	34.8	4.58	82.4	5.45	3.68 T	148	15.3 T	11.8	2.2 J	34.3	5.32
PCB127	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB128 & 162	pg/g	2310	145	3760	273	140 T	3600	344 T	598	56	1250	222
PCB129	pg/g	650	37.4	1030	69.5	33.6 T	1310	92.5 T	180	15.7	325	58.6
PCB130	pg/g	833	84.4	2040	152	99.4 T	1790	201 T	248	28.9	879	87.3
PCB131	pg/g	2.67	2.51 U	12.4 U	2.52 U	2.52 UT	10.5 J	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB132 & 161	pg/g	2510	333	10700	1010	398 T	7630	944 T	1140	126	5220	336
PCB133 & 142	pg/g	274	43.5	1350	86.9	138 T	754	104 T	110	17.3	530	39.7
PCB134 & 143	pg/g	445	58.1	2250	153	82.3 T	1490	161 T	211	24.2	825	56.2
PCB135	pg/g	848	206	6890	674	435 T	3330	624 T	503	87.4	3710	169
PCB136	pg/g	688	193	7300	762	310 T	3700	613 T	567	90.9	4280	179
PCB137	pg/g	817	42	939	50.8	45.7 T	1290	87.7 T	201	17.5	231	55.3
PCB138 & 163 & 164	pg/g	11900	1260	43500	3360	1870 T	26700	3620 T	3960	512	20300	1460
PCB139 & 149	pg/g	5610	1190	41300	4390	1980 T	21100	3970 T	3200	498	24100	976
PCB140	pg/g	51.2	13.6	419	26.5	59.9 T	136	34 T	23.8	6.33	165	9.86
PCB141	pg/g	1730	238	9170	834	280 T	5660	835 T	747	97.3	5410	249
PCB144	pg/g	320	61.3	2230	252	62.6 T	1390	218 T	191	24	1310	50.1
PCB145	pg/g	2.9	2.51 U	8.71 J	2.52 U	2.52 UT	13.5	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB146 & 165	pg/g	1320	267	8370	551	840 T	3320	701 T	532	95.9	3890	203
PCB147	pg/g	249	52.7	2980	69.1	255 T	534	115 T	90.7	23.3	1210	50.2
PCB148	pg/g	9.48	8.68	272	15.7	54.4 T	30.9	15.9 T	5.94	3.67	107	6.79
PCB150	pg/g	10.8	7.05	411	17.1	47.3 T	32.8	18.7 T	6.57	4.25	183	10
PCB151	pg/g	1160	371	14300	1410	678 T	5910	1280 T	861	152	8860	289
PCB152	pg/g	7.07	2.7	229	3.31	7.18 T	27.5	6.96 T	3.37 U	2.48 U	63.7	4.91 U
PCB153	pg/g	8820	1330	49400	3730	2620 T	21900	4050 T	3500	518	25000	1180
PCB154	pg/g	103	45	1780	82.4	265 T	254	105 T	51.6	18.4	770	31
PCB155	pg/g	2.46 U	2.51 U	19.9	2.52 U	5.8 T	12.6 U	2.48 UT	2.56 U	2.48 U	10	4.91 U
PCB156	pg/g	1790	87.3	3170	132	120 T	2400	227 T	346	37.2	774	147
PCB157	pg/g	413	18.1	392	22.1	20.3 T	485	46.8 T	79	7.29	122	36.2
PCB158 & 160	pg/g	1490	112	4170	301	130 T	3130	335 T	457	48.5	1710	146
PCB159	pg/g	57.3	17.3	696	48.5	77.2 T	210	67.5 T	32.7	6.16	338	15.9
PCB166	pg/g	62.7	2.93	57.6	3.04	3.29 T	103	6.38 T	14.5	2.48 U	12.5	4.94
PCB167	pg/g	643	38.8	1310	87.8	54.6 T	892	123 T	151	16.6	484	54.3
PCB168	pg/g	13.4	3.36	116	4.44	12.4 T	29.3	6.25 T	4.84	2.48 U	44	4.91 U
PCB169	pg/g	1.05 U	0.885 U	3.06 U	0.843 U	0.766 UT	2.18 U	2.62 UT	0.931 U	0.64 U	2.97 U	1 U
PCB170	pg/g	2330	405	18100	1220	1530 T	6080	1550 T	867	149	9640	390
PCB171	pg/g	555	112	4810	376	362 T	1630	432 T	229	41.4	2520	100
PCB172	pg/g	326	75.3	2780	204	285 T	1050	300 T	138	24.7	1710	62.9
PCB173	pg/g	52.1	8.85	405	32.7	25.4 T	158	31.9 T	21.3	3.74	212	9.58
PCB174	pg/g	1740	490	17300	1540	1340 T	6780	1840 T	889	168	11600	408

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											
PCB175	pg/g	82.8	23.2	829	74.6	67.6 T	352	92.1 T	42.7	8.15	524	18.9
PCB176	pg/g	213	69.4	2530	250	177 T	1020	243 T	117	22.6	1590	51.6
PCB177	pg/g	1040	291	10600	882	1190 T	3740	1050 T	500	102	6450	246
PCB178	pg/g	317	125	3860	334	621 T	1510	411 T	183	43.1	2610	98.6
PCB179	pg/g	644	261	8860	912	1010 T	3480	878 T	416	90.3	5970	202
PCB180	pg/g	4570	1100	42800	3190	4210 T	15300	4190 T	2210	361	27400	948
PCB181	pg/g	28.6	2.51 U	72.7	4.59	5.43 JT	35.9	5.12 T	7.39	2.48 U	25.8	4.91 U
PCB182 & 187	pg/g	2050	752	23600	2120	3210 T	9500	2540 T	1200	246	16500	657
PCB183	pg/g	1090	299	12000	991	913 T	4470	1130 T	563	100	7060	240
PCB184	pg/g	2.46 U	2.51 U	13.2	2.52 U	4.34 T	4.36 J	1.8 JT	2.56 U	2.48 U	5.97	4.91 U
PCB185	pg/g	172	51.9	1850	179	140 T	782	182 T	101	19.1	1350	45.5
PCB186	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB188	pg/g	2.56	2.51 U	70.5	3.22	24.6 T	7.93 J	5.22 T	2.56 U	2.48 U	39.4	4.91 U
PCB189	pg/g	111	15.1	714	42.5	71 T	242	56.3 T	36.9	5.78	327	15.6
PCB190	pg/g	434	82.7	3770	245	330 T	1280	309 T	181	31.2	2040	78.7
PCB191	pg/g	78.3	16.5	723	48.6	64.8 T	256	64.4 T	35	5.86	392	15.4
PCB192	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB193	pg/g	183	53.8	2000	144	251 T	692	199 T	93.3	18.8	1280	46.4
PCB194	pg/g	1010	262	8120	624	1500 T	3470	934 T	485	76.8	6090	435
PCB195	pg/g	367	95.9	3790	246	571 T	1390	364 T	167	30.5	2460	98.3
PCB196 & 203	pg/g	1350	387	12600	836	1830 T	4810	1250 T	729	100	7970	1020
PCB197	pg/g	33.4	10.7	412	27.7	61.5 T	138	41 T	18.7	3.38	224	9.72
PCB198	pg/g	58.5	17.4	565	41.5	80.5 T	260	55.3 T	30.5	5.48	349	20.2
PCB199	pg/g	1260	372	9670	741	1580 T	4310	1180 T	656	90.5	6970	1480
PCB200	pg/g	133	42.2	1310	105	183 T	497	128 T	69.4	11.5	833	72.8
PCB201	pg/g	125	40.7	1260	97.3	199 T	491	141 T	75.2	11.8	763	83
PCB202	pg/g	194	65.5	1510	148	264 T	751	197 T	129	18.8	1060	321
PCB204	pg/g	2.46 U	2.51 U	12.4 U	2.52 U	2.52 UT	12.6 U	2.48 UT	2.56 U	2.48 U	2.45 U	4.91 U
PCB205	pg/g	42.4	11.7	366	28.6	69.2 T	159	37.1 T	19.3	3.77	260	10.9
PCB206	pg/g	694	152	1990	221	357 T	3300	283 T	330	34.5	1260	3130
PCB207	pg/g	65.1	18.5	252	25.7	47.7 T	298	33.5 T	34.5	4.28	159	234
PCB208	pg/g	179	41.5	402	53.1	64.8 T	1130	65.2 T	80.4	9.39	206	1080
PCB209	pg/g	543	151	616	105	94.6 T	6190	108 T	154	28.5	98.3	688
Polychlorinated biphenyls	pg/g	116000	24500	596000	45600	42900 T	1540000	52500 T	60800	7920	366000	28000
Monochlorobiphenyl homologs	pg/g	42.9	56.3	495	26.6	24.4 T	3180	50.7 T	52.1	15.7	714	37.2
Dichlorobiphenyl homologs	pg/g	680	396	1610	306	293 T	81700	254 T	344	122	14300	662
Trichlorobiphenyl homologs	pg/g	3550	1930	5920	767	842 T	428000	718 T	1460	360	26000	1450
Tetrachlorobiphenyl homologs	pg/g	10300	4180	45000	3110	2890 T	552000	3020 T	8080	1080	41300	2940
Pentachlorobiphenyl homologs	pg/g	34200	5800	122000	6730	4950 T	267000	9180 T	22100	1940	43500	4490
Hexachlorobiphenyl homologs	pg/g	45100	6270	221000	18600	11100 T	119000	19000 T	18000	2530	112000	6130
Heptachlorobiphenyl homologs	pg/g	16000	4230	158000	12800	15800 T	58400	15500 T	7820	1440	99300	3640
Octachlorobiphenyl homologs	pg/g	4570	1310	39600	2900	6330 T	16300	4330 T	2380	353	27000	3540
Nonachlorobiphenyl homologs	pg/g	938	212	2640	300	469 T	4730	382 T	445	48.2	1630	4440

J Estimate.
JT Combined qualifier.
N Presumptive evidence of a compound.
NJ Combined qualifier.
NJT Combined qualifier.
R Rejected.
T Value is an average or selected result (see data rules).
U Not detected at value shown.
UJ Combined qualifier.
UJT Combined qualifier.

Table 4-6. Analytical Results for Sediment Samples.

	Location Name	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-GBT024	LW2-GBT025	LW2-GBT026	LW2-GBT027-1	LW2-GBT027-2	LW2-GBT028	LW2-GBT029	LW2-GBT030	LW2-GBT031	LW2-GBT032	LW2-GBT033
	Sample Date	12/12/2005	12/12/2005	12/12/2005	12/06/2005	12/07/2005	12/08/2005	12/09/2005	12/09/2005	12/09/2005	12/07/2005	12/19/2005
	Depth Interval	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Chemical Name	Unit											

UT Combined qualifier.

Table 4-7. Analytical Results for Tissue Samples.

Location Name		FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
X_Easting		7617907	7617357	7613632	7617009	7618029	7619699	7618653	7620332	7619630	7619776	7618222	7618724	7622485
Y_Northing		725043.1	723878.5	720059.1	719490.7	717180	717279.9	714953	714403.3	713810.9	712512	712483.1	711397	708162
Sample ID		LW2-BTFC001	LW2-BTFC002	LW2-BTFC003	LW2-BTFC004	LW2-BTFC005	LW2-BTFC006 Rep 1	LW2-BTFC007	LW2-BTFC008	LW2-BTFC009	LW2-BTFC010	LW2-BTFC011	LW2-BTFC012	LW2-BTFC013
Sample Date		12/13/2005	12/13/2005	12/13/2005	12/13/2005	12/12/2005	12/12/2005	12/12/2005	12/09/2005	12/09/2005	12/08/2005	12/08/2005	12/08/2005	12/07/2005
Species		field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
Total solids	percent	12.3	13.2	11.8	12.4	13.5	10.8 T	11.5	10.2	13.2	11.2 T		15.6	15 T
Lipids	percent	1.89	2.26	1.57	1.83	1.9	1.71 T	1.57	1.36	2.19	1.37	2.53	2.19	2.42
Aluminum	mg/kg	48.3	30.8	21.5	51.2	80.1	33.1 JT	20.5	64.9 J	73.3	37 T		69.9	119 T
Antimony	mg/kg	0.001 U	0.002 J	0.001 U	0.001 U	0.002 J	0.00275 JT	0.001 U	0.002 J	0.001 J	0.001 UT		0.001 U	0.001 UT
Arsenic	mg/kg	1.06	1.25	1.03	0.958	0.843	0.844 JT	0.923	0.949 J	0.898	0.839 T		1.02	0.826 T
Cadmium	mg/kg	0.12	0.218	0.104	0.102	0.133	0.17 JT	0.12	0.154 J	0.0953	0.0725 T		0.0761	0.0685 T
Chromium	mg/kg	0.7	0.79	0.62	0.71	0.58	1.05 T	0.73	0.43	0.63	0.445 T		0.63	0.505 T
Copper	mg/kg	9.49	11.1	9.35	10.4	9.26	9.78 T	10.5	10.5	8.04	8.09 T		9.53	9.14 T
Lead	mg/kg	0.036	0.071	0.024	0.049	0.114	0.0745 T	0.053	0.261	0.122	0.041 T		0.066	0.0685 T
Mercury	mg/kg	0.006 J	0.008 J	0.008 J	0.008 J	0.008 J	0.005 JT	0.009 J	0.01 J	0.011 J	0.0075 JT		0.009 J	0.01
Nickel	mg/kg	0.234 J	0.291 J	0.257 J	0.28 J	0.313 J	0.303 T	0.315 J	0.322	0.463 J	0.228 JT		0.294 J	0.358 JT
Selenium	mg/kg	0.098	0.174	0.114	0.115	0.123	0.0723 T	0.069	0.087	0.098	0.0915 T		0.088	0.17 T
Silver	mg/kg	0.0374	0.0521	0.05	0.0557	0.0375	0.025 T	0.0575	0.05	0.0564	0.0489 T		0.0666	0.0623 T
Zinc	mg/kg	33.2	40.3	30.5	35.6	48	42.4 T	31.6	29	33.5	26.6 T		38.1	31.8 T
Butyltin ion	µg/kg	1.6 J	4.5	1.4	1.8	0.062 U	3.65 T	5.7	5.5	2.9 J	3.3		1.3	2.4
Dibutyltin ion	µg/kg	3.5	5.4	3.1	4.4	54	11.8 T	5	5.8	5.9	4.8		2.4	3.6
Tributyltin ion	µg/kg	5.1	6.7	4.7	6	63	6.8 T	6.2	7.2	8.7	8.1		4	8.9
Tetrabutyltin	µg/kg	0.067 U	0.067 U	0.067 U	0.067 U	0.068 U	0.067 UT	0.067 U	0.067 U	0.067 U	0.067 U		0.068 U	0.067 U
2-Methylnaphthalene	µg/kg	1.4	1.5	1.3	1.3	2	1.5 T	1.4	1.3	1.8	1.5		2.4	2.3
Acenaphthene	µg/kg	0.68	1.3	1.1	0.67	1.7	1.2 T	3	2.7	0.81	0.68		0.091 U	1.3
Acenaphthylene	µg/kg	1.2	2	1.8	1.5	1.8	0.825 T	1.9	1.2	1.7	1.5		3.8	1.4
Anthracene	µg/kg	6.4	7	17	5.6	10	9.25 T	5.8	5.2	8.9	5.2		30	5.6
Fluorene	µg/kg	1.9	2.4	3.9	1.6	4.7	4.1 T	2	2.2	2.4	1.6		9.2	3
Naphthalene	µg/kg	1.2 U	1.5 U	1.2 U	1.3 U	1.8 U	2 UT	1.4 U	2.5 U	1.5 U	1.7 U		2.2 U	1.8 U
Phenanthrene	µg/kg	21	20	59	15	30	26 T	18	11	24	15		66	16
Low Molecular Weight PAH	µg/kg	32.6 T	34.2 T	84.1 T	25.7 T	50.2 T	42.9 T	32.1 T	23.6 T	39.6 T	25.5 T		111 T	29.6 T
Dibenzo(a,h)anthracene	µg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	2.8 T	0.11 U	1.3	1	0.81		3.8	0.5 J
Benzo(a)anthracene	µg/kg	31	48	60	44	67	56 T	37	44	34	35		150	22
Benzo(a)pyrene	µg/kg	4.7	7.7	13	8.4	16	15 T	7.6	9.8	7.7	7		39	4.6
Benzo(b)fluoranthene	µg/kg	5.9	11	15	11	28	38.5 T	11	20	9.5	8.6		43	4.7
Benzo(g,h,i)perylene	µg/kg	2.3	3.2	6.1	3.6	7.5	9.6 T	4.1	3.7	3.5	3.1		16	1.6
Benzo(k)fluoranthene	µg/kg	3	5.4	7.7	5.4	14	15 T	5.3	8.7	5.8	5.4		28	3.3
Chrysene	µg/kg	37	54	61	49	99	110 T	39	54	39	34		150	24
Fluoranthene	µg/kg	82	83	150	66	93	90 T	55	61	67	48		220	37
Indeno(1,2,3-cd)pyrene	µg/kg	1.8	2	3.9	2.5	5.4	5.7 T	3.1	3.3	2.5	1.6		9.6	0.95 J
Pyrene	µg/kg	100	100	150	73	110	145 T	56	69	66	49		240	36
High Molecular Weight PAH	µg/kg	268 T	314 T	467 T	263 T	440 T	488 T	218 T	275 T	236 T	193 T		899 T	135 JT
Polycyclic Aromatic Hydrocarbons	µg/kg	300 T	349 T	551 T	289 T	490 T	530 T	250 T	298 T	276 T	218 T		1010 T	164 JT
1,2,4-Trichlorobenzene	µg/kg	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 UT	9.9 U	9.9 U	20 U	9.9 U	26 U	9.9 U	20 U
1,2-Dichlorobenzene	µg/kg	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UT	12 UJ	12 U	25 UJ	12 UJ	32 UJ	12 UJ	24 UJ
1,3-Dichlorobenzene	µg/kg	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UT	11 UJ	11 U	23 UJ	11 UJ	29 UJ	11 UJ	22 UJ
1,4-Dichlorobenzene	µg/kg	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UT	11 UJ	11 U	23 UJ	11 UJ	29 UJ	11 UJ	22 UJ
Benzyl alcohol	µg/kg	9.3 J	11 J	12 J	6.7 U	12 J	17 JT	8.8 J	11 J	14 U	10 J	110 J	13 J	72 J
Dibenzofuran	µg/kg	0.071 U	0.071 U	0.91	0.77	2.1	1.4 T	0.5	1	1.1	0.79		0.46 J	1.4
Hexachlorobenzene	µg/kg	0.494	0.629	0.435	0.484	0.564	0.459 T	0.465	0.373	12 U	0.42	0.624	0.64	0.447
Hexachlorobutadiene	µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 UT	8.5 U	8.5 U	18 U	8.5 U	23 U	8.5 U	17 U
Hexachloroethane	µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 UT	8.5 U	8.5 U	18 U	8.5 UJ	23 U	8.5 U	17 U
N-Nitrosodiphenylamine	µg/kg	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 UT	9.5 U	9.5 U	20 U	9.5 U	25 U	9.5 U	19 U
Dimethyl phthalate	µg/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 UT	5.1 U	5.1 U	11 U	5.1 U	14 U	5.1 U	11 U
Diethyl phthalate	µg/kg	14 U	13 U	14 U	49 U	14 U	15 UT	16 U	14 U	26 U	14 U	27 U	17 U	21 U
Dibutyl phthalate	µg/kg	16 U	16 U	16 U	16 U	16 U	16 UT	16 U	16 U	33 U	16 U	42 U	16 U	32 U
Butylbenzyl phthalate	µg/kg	14 U	14 U	14 U	14 U	14 U	14 UT	14 U	14 U	29 U	14 U	37 U	14 U	28 U
Di-n-octyl phthalate	µg/kg	13 U	13 U	13 U	13 U	13 U	13 UT	13 U	13 U	27 U	13 U	35 U	13 U	26 U
Bis(2-ethylhexyl) phthalate	µg/kg	53 U	53 U	53 U	53 U	53 U	53 UT	53 U	53 U	110 U	53 U	140 U	53 U	110 U

Table 4-7. Analytical Results for Tissue Samples.

Chemical Name	Unit	FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
Location Name		FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
X_Easting		7617907	7617357	7613632	7617009	7618029	7619699	7618653	7620332	7619630	7619776	7618222	7618724	7622485
Y_Northing		725043.1	723878.5	720059.1	719490.7	717180	717279.9	714953	714403.3	713810.9	712512	712483.1	711397	708162
Sample ID		LW2-BTFC001	LW2-BTFC002	LW2-BTFC003	LW2-BTFC004	LW2-BTFC005	LW2-BTFC006 Rep 1	LW2-BTFC007	LW2-BTFC008	LW2-BTFC009	LW2-BTFC010	LW2-BTFC011	LW2-BTFC012	LW2-BTFC013
Sample Date		12/13/2005	12/13/2005	12/13/2005	12/13/2005	12/12/2005	12/12/2005	12/12/2005	12/09/2005	12/09/2005	12/08/2005	12/08/2005	12/08/2005	12/07/2005
Species		field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
2,4-Dimethylphenol	µg/kg	13 U	13 U	13 U	13 U	13 U	13 UT	13 U	13 U	27 U	13 U	35 U	13 U	26 U
2-Methylphenol	µg/kg	53 U	53 U	53 U	53 U	53 U	53 UT	53 U	53 U	110 U	53 U	140 U	53 U	110 U
4-Methylphenol	µg/kg	15 U	15 U	15 U	15 U	15 U	15 UT	15 U	15 U	31 U	15 U	40 U	15 U	30 U
Pentachlorophenol	µg/kg	R	R	R	R	R	R	R	R	R	R	R	R	R
Phenol	µg/kg	17 U	17 U	17 U	17 U	17 U	17 UT	17 U	17 U	35 U	17 U	45 U	17 U	34 U
2,4'-DDD	µg/kg	2.14	2.61	2.66	2.14	2.35	2.23 T	1.6	1.19		1.52	4.09	4.63	1.77
2,4'-DDE	µg/kg	0.385	0.469	0.406	0.373	0.489	0.543 T	0.351	0.293		0.345	0.725	0.8	0.408
2,4'-DDT	µg/kg	0.449	0.625	0.53	0.647	0.837	0.473 T	0.597	0.481		0.563	1.11	1.19	0.391
4,4'-DDD	µg/kg	7.35	8.98	7.87	7.14	8.39	9.24 T	5.78	4.92		5.41	12.1	12.9	9.51
4,4'-DDE	µg/kg	12	14.1	10.1	9.85	11.8	9.42 T	9.36	8.28		9.29	13.8	14.5	15
4,4'-DDT	µg/kg	1.16	1.6	1.21	1.58	2.56	1.54 T	1.6	1.61		1.49	2.69	2.94	1.19
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	20.5 T	24.7 T	19.2 T	18.6 T	22.8 T	20.2 T	16.7 T	14.8 T		16.2 T	28.6 T	30.3 T	25.7 T
Aldrin	µg/kg	0.171 J	0.223 J	0.144 J	0.161 J	0.187 J	0.126 JT	0.139 J	0.169 J		0.148 J	0.224 J	0.217 J	0.383 J
alpha-Hexachlorocyclohexane	µg/kg	0.0109 U	0.0088 U	0.00689 U	0.0105 U	0.0084 U	0.00569 JT	0.00605 J	0.00908 U		0.0604 U	0.0135 J	0.0159 U	0.0124 U
beta-Hexachlorocyclohexane	µg/kg	0.0418 U	0.00433 U	0.0418 U	0.0418 U	0.0415 U	0.0411 UT	0.0422 U	0.0418 U		0.0396 U	0.0435 U	0.102 U	0.0437 U
delta-Hexachlorocyclohexane	µg/kg	0.00164 U	0.00169 U	0.00131 U	0.00284 U	0.00113 U	0.00106 JT	0.00359 U	0.00108 U		0.000983 U	0.00187 U	0.00154 U	0.00163 U
gamma-Hexachlorocyclohexane	µg/kg	0.0661 J	0.0657 J	0.0545 J	0.0536 J	0.0619 U	0.041 JT	0.0383 J	0.0332 J		0.0641 J	0.0675 J	0.0661 J	0.0377 J
cis-Chlordane	µg/kg	0.759	0.986	0.655	0.773	0.937	0.798 T	0.717	0.671		0.763	0.959	1 J	1.65
trans-Chlordane	µg/kg	0.565	0.709	0.471	0.556	0.679	0.618 T	0.511	0.514		0.549	0.708	0.705 J	1.2
Oxychlordane	µg/kg	0.057 J	0.0628 U	0.0513 J	0.0582 J	0.0602 J	0.0447 JT	0.0626 J	0.0454 J		0.0587 J	0.0825 J	0.0788 U	0.0524 J
cis-Nonachlor	µg/kg	0.379 J	0.436 J	0.301 J	0.336 J	0.381 J	0.314 JT	0.353 J	0.316 J		0.333 J	0.449 J	0.437 J	0.549
trans-Nonachlor	µg/kg	1.04	1.35	0.932	0.981	1.09	0.875 T	0.938	0.929		0.967	1.21	1.18	1.13
Total Chlordanes	µg/kg	2.8 JT	3.48 JT	2.41 JT	2.7 JT	3.15 JT	2.65 JT	2.58 JT	2.48 JT		2.67 JT	3.41 JT	3.32 JT	4.58 JT
Dieldrin	µg/kg	0.697	0.936	0.609	0.717	0.894	0.633 T	0.657	0.671		0.685	0.801	0.942	0.716
alpha-Endosulfan	µg/kg	0.121 J	0.157 J	0.106 J	0.116 J	0.138 J	0.127 JT	0.105 J	0.106 J		0.115 J	0.152 J	0.171 J	0.0878 J
beta-Endosulfan	µg/kg	0.147 J	0.206	0.129 J	0.147 J	0.175 J	0.128 JT	0.139 J	0.14 J		0.141 J	0.184 J	0.208	0.145 J
Endosulfan sulfate	µg/kg	0.567	0.758	0.482	0.562	0.62	0.486 T	0.528	0.534		0.539	0.711	0.804	0.51
Endrin	µg/kg	0.00815 J	0.00761 U	0.00568 J	0.00578 U	0.01 U	0.0101 JT	0.00692 J	0.00549 J		0.00315 U	0.00874 U	0.00868 U	0.00402 U
Endrin aldehyde	µg/kg	0.0191 U	0.0193 U	0.0191 U	0.0191 U	0.019 U	0.0188 UT	0.0193 U	0.0191 U		0.0181 U	0.0199 U	0.0187 U	0.02 U
Endrin ketone	µg/kg	0.00156 U	0.0037 U	0.00261 U	0.00349 U	0.00231 U	0.00304 JT	0.00686 U	0.00206 U		0.00127 U	0.0414 U	0.00292 U	0.0416 U
Heptachlor	µg/kg	0.0076 J	0.0121 J	0.0073 J	0.011 J	0.0195 J	0.0129 JT	0.0104 U	0.0105 U		0.00887 U	0.0139 J	0.0175 U	0.0105 J
Heptachlor epoxide	µg/kg	0.0538 J	0.0668 J	0.0432 J	0.0521 J	0.0606 J	0.0438 JT	0.0484 J	0.0462 J		0.0502 U	0.0538 J	0.0674 J	0.0432 J
Methoxychlor	µg/kg	0.0114 U	0.0168 U	0.0155 U	0.0158 U	0.0135 U	0.0221 UT	0.0206 U	0.0192 U		0.0163 U	0.323	0.0301 U	0.0299 U
Chlordane (cis & trans)	µg/kg	1.32 T	1.7 T	1.13 T	1.33 T	1.62 T	1.42 T	1.23 T	1.19 T		1.31 T	1.67 T	1.71 JT	2.85 T
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.172 U	0.264 U	0.181 U	0.192 U	0.225 U	0.182 JT	0.202 U	0.325 U	0.181 U	0.202 U	0.232 U	0.218 U	0.223 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.165 U	0.21 U	0.165 U	0.15 U	0.235 U	0.19 JT	0.178 U	0.388 J	0.201 U	0.156 U	0.234 J	0.289 U	0.211 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.092 U	0.123 U	0.086 U	0.089 J	0.125 J	0.0905 JT	0.103 J	0.18 J	0.104 J	0.073 J	0.119 J	0.136 J	0.098 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.418 J	0.608 J	0.375 J	0.448 J	0.666 J	0.526 JT	0.458 J	1.58	0.606 J	0.46 J	0.613 J	0.701 J	0.502 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.13 U	0.192 J	0.124 J	0.168 J	0.215 J	0.158 JT	0.15 J	0.261 J	0.196 J	0.173 U	0.169 J	0.266 J	0.194 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2.22	3.01	1.94	2.36	3.31	2.78 T	2.73	7.35	3.21	2.38	3.27	3.57	3.6
2,3,7,8-Tetrachlorodibenzofuran	pg/g	1.3	1.54	1.32 U	1.16	1.39	1.65 T	1.07 U	1.45	1.29	0.939	2.27	2.25	0.919
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.15 J	0.211 U	0.212 J	0.16 J	0.202 U	0.205 JT	0.165 U	0.617 J	0.182 J	0.133 J	0.486 J	0.413 J	0.096 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.256 U	0.384 U	0.36 U	0.33 U	0.475 U	0.478 JT	0.313 U	6.33	0.427 U	0.269 U	0.583 J	0.578 U	0.257 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.125 J	0.182 U	0.173 J	0.155 U	0.227 J	0.159 JT	0.161 J	3.41	0.22 J	0.143 J	0.342 J	0.355 J	0.136 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.061 U	0.07 U	0.055 U	0.053 U	0.057 U	0.064 JT	0.0947 U	0.424 U	0.092 U	0.057 U	0.096 J	0.119 U	0.059 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.133 U	0.134 U	0.133 U	0.133 U	0.132 U	0.114 UT	0.134 U	0.133 U	0.164 U	0.126 U	0.138 U	0.13 U	0.139 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.127 U	0.108 U	0.085 U	0.092 U	0.133 U	0.116 JT	0.098 U	0.317 U	0.1 U	0.1 U	0.118 U	0.127 U	0.091 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.432 U	0.551 U	0.338 U	0.475 U	0.67 U	0.502 JT	0.446 U	2.12	0.582 U	0.503 U	0.621 U	0.721 U	0.667 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.132 U	0.133 U	0.132 U	0.132 U	0.053 U	0.113 UT	0.133 U	0.212 U	0.163 U	0.125 U	0.065 J	0.129 U	0.138 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	4.21	6.7	5.44	5.99	6.9	4.67 T	5.48	6.05	5.47	5.13	8.32	8.06	6.24
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.165	1.45	1.08	1	1.46	1.24 T	0.895	2.32	0.68	0.984	1.19	1.37	1.16
Hexachlorodibenzo-p-dioxin homologs	pg/g	1.8	2.97	1.42	1.4	3.29	2.37 T	1.71	6.09	2.69	1.4	2.76	2.49	1.68
Heptachlorodibenzo-p-dioxin homologs	pg/g	4.42	6.24	3.93	4.83	7.1	5.48 T	7.64	16	6.49	4.75	6.96	7.09	7.43
Octachlorodibenzo-p-dioxin	pg/g	11.7	14.4	11.2	12.9	18.8	14.4 T	17.9	57.4	21.5	13.2	16.4	17.2	19.6

Table 4-7. Analytical Results for Tissue Samples.

Chemical Name	Location Name	FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
	X_Easting	7617907	7617357	7613632	7617009	7618029	7619699	7618653	7620332	7619630	7619776	7618222	7618724	7622485
	Y_Northing	725043.1	723878.5	720059.1	719490.7	717180	717279.9	714953	714403.3	713810.9	712512	712483.1	711397	708162
	Sample ID	LW2-BTFC001	LW2-BTFC002	LW2-BTFC003	LW2-BTFC004	LW2-BTFC005	LW2-BTFC006 Rep 1	LW2-BTFC007	LW2-BTFC008	LW2-BTFC009	LW2-BTFC010	LW2-BTFC011	LW2-BTFC012	LW2-BTFC013
	Sample Date	12/13/2005	12/13/2005	12/13/2005	12/13/2005	12/12/2005	12/12/2005	12/12/2005	12/09/2005	12/09/2005	12/08/2005	12/08/2005	12/08/2005	12/07/2005
	Species	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*	*field clam*
	Unit													
Tetrachlorodibenzofuran homologs	pg/g	8.08	12.7	9.27	8.89	12.3	18.6 T	9.14	12.8	9.35	6.5	13.1	10.9	9.15
Pentachlorodibenzofuran homologs	pg/g	2.79	3.6	3.84	3.03	5.64	7.06 T	3.78	43	4.21	2.82	5.33	5.4	2.92
Hexachlorodibenzofuran homologs	pg/g	1.56	2.42	1.71	1.82	3.01	2.9 T	2.17	26.9	2.65	1.86	2.82	3.4	2.2
Heptachlorodibenzofuran homologs	pg/g	1.23	1.71	1.1	1.47	2.12	1.54 T	1.51	9.53	1.34	1.49	1.26	2.17	1.47
Octachlorodibenzofuran	pg/g	0.807 U	0.847 U	0.55 U	0.848 U	1.12 U	0.746 JT	0.834 U	2.95	1.05 J	0.808 U	1.1 J	1.13 J	1.66 J
Aroclor 1016	pg/g	0.666 U	1.96 U	0.838 U	0.873 U	13.2 U	2.15 UT	1.17 U	1.19 U		0.852 U	3.45 U	1.02 U	1.5 U
Aroclor 1221	pg/g	0.324 U	0.782 U	0.435 U	0.382 U	0.693 U	0.717 UT	0.608 U	0.619 U		0.442 U	1.79 U	0.53 U	0.778 U
Aroclor 1232	pg/g	0.324 U	0.568 U	0.962 U	0.395 U	0.414 U	0.394 UT	0.972 U	0.555 U		0.349 U	0.672 U	1.07 U	0.566 U
Aroclor 1242	pg/g	11200 NJ	29200 NJ	3060 NJ	14900 NJ	72200 NJ	61700 NJT	16300 NJ	7390 NJ		3250 NJ	5440 NJ	4130 NJ	8210 NJ
Aroclor 1248	pg/g	8.88 U	58.6 U	3.27 U	6.68 U	96 U	25.3 UT	46.8 U	66.7 U		30.1 U	19.3 U	3.02 U	5.87 U
Aroclor 1254	pg/g	86500 NJ	177000 NJ	28200 NJ	43500 NJ	120000 NJ	266000 NJT	38300 NJ	38800 NJ		29300 NJ	45400 NJ	38000 NJ	62400 NJ
Aroclor 1260	pg/g	20000 NJ	33300 NJ	17300 NJ	22800 NJ	42200 NJ	65200 NJT	22400 NJ	22200 NJ		23400 NJ	26100 NJ	20600 NJ	38500 NJ
Aroclors	pg/g	118000 JT	240000 JT	48600 JT	81200 JT	234000 JT	393000 JT	77000 JT	68400 JT		56000 JT	76900 JT	62700 JT	109000 JT
PCB001	pg/g	12.5	91.6	3.21 J	11.1	32.2	21.4 T	9.52 J	3.66 J		2.48		2.57	9.01
PCB002	pg/g	1.99	4.48	1.15 J	2.14	4.19	2.77 T	2.57 J	1.5 J		1.27		1.72	4.38
PCB003	pg/g	3.08	11	1.37 U	3.52	11.1	8.5 T	3.24	1.85		1.27 U		1.56	4.21
PCB004	pg/g	1060 J	8300 J	487 J	601 J	1370 J	1540 T	630 J	289 J		484 J		419 J	532
PCB005	pg/g	3.52 J	9.28 J	0.921 J	8.29 J	36.9 J	27 T	9.95 J	2.83 J		1.31 J	1.52 UJ	1.1 J	3.12
PCB006	pg/g	79.1 J	451 J	20.1 J	107 J	441 J	337 T	126 J	43.8 J		27.8 J	32.5 J	25.9 J	59
PCB007	pg/g	5.81 J	15 J	0.854 J	12.9 J	51.5 J	40.5 T	11.2 J	3.64 J		0.979 J	1.42 J	1.28 J	7.34
PCB008	pg/g	257 J	1200 J	44.7 J	481 J	1900 J	1210 T	468 J	120 J		46.4 J	68.7 J	52.8 J	247
PCB009	pg/g	8.17 J	26.3 J	1.16 J	19.3 J	83.5 J	63.2 T	16.8 J	4.99 J		1.51 J	2.6 J	1.68 J	12.4
PCB010	pg/g	7.28 J	39.3 J	4.5 J	7.58 J	19.7 J	29.7 JT	6.08 J	3.97 J		4.7 J	5.53 J	3.43 J	9.32
PCB011	pg/g	474 J	451 J	425 J	288 J	248 J	181 T	324 J	148 J		303 J	532 J	414 J	308
PCB012 & 013	pg/g	26.5 J	70.7 J	9.82 J	43.1 J	163 J	118 T	44.4 J	18.6 J		8.45 J	16.2 J	9.4 J	18.2
PCB014	pg/g	0.743 UJ	0.75 UJ	0.741 UJ	0.744 UJ	0.738 UJ	0.737 UT	0.75 UJ	0.744 UJ		0.703 UJ	1.43 UJ	0.726 UJ	0.688 U
PCB015	pg/g	126	294	31	217	1040	922 T	210	94.7		28.2	64.6 J	34.1	100
PCB016	pg/g	459	1050	160	547	2270	2710 T	674	267		199	267 J	215	263
PCB017	pg/g	825	2620	285	714	2650	2540 T	861	395		392	555 J	487	591
PCB018 & 030	pg/g	1070	2940	362	1050	4580	5460 T	1320	556		418	596 J	478	644
PCB019	pg/g	486	1300	376	447	778	737 T	486	269		446	811 J	398	561
PCB020 & 028	pg/g	1450	3430	371	1910	9630	7810 T	2030	1020		367	661 J	475	1050
PCB021 & 033	pg/g	477	919	135	986	4600	3420 T	1140	434		159	291 J	200	470
PCB022	pg/g	700	1600	206	913	3810	2960 T	1110	468		248	363 J	304	389
PCB023	pg/g	0.623	1.3	0.778 U	2.03	9.85	7.5 T	2	1.04		0.234 J	0.436 UJ	0.28 J	1.12
PCB024	pg/g	5.19	13	1.64	9.44	47.8	44.5 JT	12.4	4.19		2.96	0.739 UJ	3.33	5.99
PCB025	pg/g	134	394	49.4	163	699	664 T	189	99.3		64.5	105 J	77.9	114
PCB026 & 029	pg/g	203	623	63.8	294	1390	1370 T	331	180		73.3	141 J	105	188
PCB027	pg/g	315	909	157	238	650	1040 T	300	219		227	261 J	208	218
PCB031	pg/g	938	2150	242	1510	7970	6110 T	1630	764		254	490 J	371	793
PCB032	pg/g	292	1050	69.8	330	1350	1450 T	323	149		83	141 J	109	261
PCB034	pg/g	4.87	12.2	1.28	6.09	26.7	23.9 T	5.8	3.45		1.44	3.23 J	2.61	7.54
PCB035	pg/g	22.9	39.4	10.9	37	150	109 T	38.1	19.9		8.78	19.5 J	12.2	13.6
PCB036	pg/g	2.41	2.53	2.48	1.69	1.24	2.18 JT	1.87	1.48		2.12	5.41 J	3.78	2.38
PCB037	pg/g	396	796	116	536	2250	1840 T	525	309		97.2	226	131	216
PCB038	pg/g	5.68	13.9	2.16	3.46	8.97	15.1 T	3.77	3.1		2.18	2.67 J	2.82	2.15
PCB039	pg/g	25.6	59.8	6.9	19.2	71.2	78.6 T	21.7	13.7		7.56	15.8 J	10.6	13.7
PCB040 & 041 & 071	pg/g	2390	5670	520	1320	5240	5690 T	1320	925		567	873 J	711	996
PCB042	pg/g	3050	7610	560	1280	3960	4980 T	1260	701		622	820 J	755	648
PCB043	pg/g	94.6	249	19.8	77	387	374 T	79	59.3		26.3	44.5 J	35.2	62.9
PCB044 & 047 & 065	pg/g	9240	23900	2260	3850	12600	19000 T	4000	2750		2610	3410 J	2840	3350
PCB045 & 051	pg/g	763	1720	305	520	1780	1880 T	594	360		468	532 J	507	638
PCB046	pg/g	93.5	273	19.8	74.2	414	409 T	78.4	50.2		25	40.9 J	35.4	76.1
PCB048	pg/g	903	2150	192	611	2670	2390 T	630	403		235	341 J	316	309

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
	X_Easting	7617907	7617357	7613632	7617009	7618029	7619699	7618653	7620332	7619630	7619776	7618222	7618724	7622485
	Y_Northing	725043.1	723878.5	720059.1	719490.7	717180	717279.9	714953	714403.3	713810.9	712512	712483.1	711397	708162
	Sample ID	LW2-BTFC001	LW2-BTFC002	LW2-BTFC003	LW2-BTFC004	LW2-BTFC005	LW2-BTFC006 Rep 1	LW2-BTFC007	LW2-BTFC008	LW2-BTFC009	LW2-BTFC010	LW2-BTFC011	LW2-BTFC012	LW2-BTFC013
	Sample Date	12/13/2005	12/13/2005	12/13/2005	12/13/2005	12/12/2005	12/12/2005	12/12/2005	12/09/2005	12/09/2005	12/08/2005	12/08/2005	12/08/2005	12/07/2005
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
PCB049 & 069	pg/g	2530	5970	685	1460	5700	6450 T	1410	1080		843	1310 J	1150	1820
PCB050 & 053	pg/g	1290	2880	523	753	1910	2490 T	905	508		907	873 J	924	761
PCB052	pg/g	3770	9380	1030	2040	8910	14000 T	2060	1720		1250	1990 J	1820	3160
PCB054	pg/g	57	77.4	51.4	55.1	75.1	72.3 T	61.1	51.4		63.2	103 J	55.7	76.3
PCB055	pg/g	36	93.3	9.76	34.8	110	94.6 JT	33.4	24.6		8.32	16.1 J	10.4	17.7
PCB056	pg/g	2500	5940	413	943	2620	3260 T	786	595		401	746 J	561	732
PCB057	pg/g	16	40.7	5.77	15.9	62.5	60.2 T	13.4	14.9		7.22	13.2 J	9.01	11.2
PCB058	pg/g	11.1	20.3	2.77	6.52	18.1	39.8 T	4.55	5.9		3.08	3.41 UJ	5.22	13.2
PCB059 & 062 & 075	pg/g	528	1220	129	293	1110	1460 T	314	221		165	215 J	175	208
PCB060	pg/g	996	2240	165	482	1510	1400 T	400	311		139	283 J	184	239
PCB061 & 070 & 074 & 076	pg/g	6710	16400	1470	3490	12100	16300 T	2850	2730		1420	2880 J	2100	3390
PCB063	pg/g	187	409	41.2	101	330	366 T	80.7	80.5		40.3	73.6 J	58.2	82
PCB064	pg/g	1540	4020	266	861	4020	4000 T	827	596		294	522 J	431	708
PCB066	pg/g	5530	13000	1010	2140	6100	7720 T	1840	1490		925	1700 J	1340	1900
PCB067	pg/g	143	285	39.9	106	365	435 T	91.7	81.1		45.9	77.9 J	55.3	65.9
PCB068	pg/g	37.6	59.9	21	28.6	61.4	95.6 T	25.4	27.1		27.9	39.3 J	34	51.8
PCB072	pg/g	42.5	84.5	18.2	28.1	85.2	170 T	24.9	30.9		22.1	34.5 J	31.2	64.8
PCB073	pg/g	15.7	22	15.9	13.1	1.63 U	1.63 UT	14.3	16		22.6	31.9 J	20.5	25.9
PCB077	pg/g	383	818	78	169	486	609 T	148	147		68	142	98.4	112
PCB078	pg/g	1.46 U	1.22 U	1.21 U	1.21 U	2.04 U	2.6 UT	1.22 U	2.29 U		1.14 U	3.55 UJ	1.18 U	1.26 U
PCB079	pg/g	151	308	46.2	65.8	141	392 T	59.5	48.4		41.7	95.6 J	56	81.9
PCB080	pg/g	2.1 U	1.05	2.09 U	2.1 U	2.08 U	2.42 UT	2.11 U	2.13 U		1.98 U	3.11 UJ	0.693	2.19 U
PCB081	pg/g	14.9	36.4	2.84	8.31	20.1	20.5 T	6.51	6.93		3.19	5.36	3.87	5.19
PCB082	pg/g	618	1460	144	293	881	1930 T	229	250		124	242	184	374
PCB083 & 099	pg/g	4930	9390	1800	2650	6690	15000 T	2320	2420		1950	3020	2480	4420
PCB084	pg/g	1070	2450	346	583	2300	4830 T	532	581		335	536	490	923
PCB085 & 116 & 117	pg/g	1380	2800	347	575	1490	3380 T	483	494		321	571	449	800
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	5960	12700	1730	2790	8250	18300 T	2460	2430		1710	2650	2270	3380
PCB088 & 091	pg/g	1060	2020	423	591	1620	2900 T	571	529		469	658	604	945
PCB089	pg/g	84.5	204	15	30.3	105	167 T	26.6	26.7		13.9	23.6	20.1	31.2
PCB090 & 101 & 113	pg/g	7100	14100	3000	4410	12000	28600 T	3960	3940		3270	5280	4370	6890
PCB092	pg/g	1330	2460	633	884	2390	5270 T	791	924		727	1070	888	1690
PCB093 & 095 & 098 & 100 & 102	pg/g	7170	14700	3010	4250	12000	26900 T	4160	3630		3600	4380	4110	6120
PCB094	pg/g	83.6	140	55.4	69.1	137	137 T	71.2	66.7		73.7	84	74.9	89.7
PCB096	pg/g	50.8	104	25.2	35	102	111 T	36.3	27.9		29.5	37.5	35	42
PCB103	pg/g	139	202	108	121	214	237 T	125	117		132	162	158	208
PCB104	pg/g	20.9	26.7	21.1	22.6	22.8	17 T	23.3	16.1		23.6	34.6	21.6	29.6
PCB105	pg/g	2440	5080	617	1160	3370	7190 T	1010	1270		578	1190	861	1280
PCB106	pg/g	0.721 U	1.14 U	0.865 U	0.838 U	0.717 U	1.59 UT	0.872 U	2.11 U		0.683 U	3.55 U	1.04 U	3.06 U
PCB107 & 124	pg/g	218	465	67.9	122	360	898 T	100	130		65.8	126	96.3	160
PCB109	pg/g	473	1000	176	285	702	1730 T	236	311		171	347	250	427
PCB110 & 115	pg/g	6310	13300	2260	3640	10900	28200 T	3040	3400		2250	4000	3210	5730
PCB111	pg/g	8.2	11.3	7.65	8.66	11.7	16.4 T	8.18	11.2		8.09	12.8	9.79	17.5
PCB112	pg/g	0.631 U	1.28 U	0.692 U	0.691 U	0.628 U	0.78 UT	0.66 U	0.689 U		0.598 U	1.02 U	0.617 U	1.21 U
PCB114	pg/g	156	335	36.2	68.7	197	383 T	62.2	72		35.6	69.1	48.3	69.1
PCB118	pg/g	9510	18900	2880	4660	14100	32700 T	4230	4560		2850	5000	3720	4290
PCB120	pg/g	34.9	52.5	27.3	33	59.5	101 T	30.8	39.5		32.4	51.3	41.5	71.1
PCB121	pg/g	12.8	14.7	11.8	13.1	16	10.5 T	13.5	13.5		14.6	18.5	14.9	16.7
PCB122	pg/g	76.7	183	19.8	36.9	99.8	231 T	29.2	36.9		17.4	36.7	24.3	45.2
PCB123	pg/g	271	519	61.8	101	248	485 T	78.5	72.4		54.2	92.6	61.6	78.7
PCB126	pg/g	12.8	23.3	4.94	7.18	17.2	38.9 T	6.91	11.2		5.63	12.3	8.27	11.1
PCB127	pg/g	3.62	7.76	1.7	2.72	9.45	23 T	3.22	4.48		1.94	5.28	2.55	6.97
PCB128 & 166	pg/g	796	1330	409	579	1410	3530 T	508	695		326	724	424	837
PCB129 & 138 & 160 & 163	pg/g	7500	12400	4890	6710	15900	33300 T	6360	6940		5390	11700	5960	11200

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
	X_Easting	7617907	7617357	7613632	7617009	7618029	7619699	7618653	7620332	7619630	7619776	7618222	7618724	7622485
	Y_Northing	725043.1	723878.5	720059.1	719490.7	717180	717279.9	714953	714403.3	713810.9	712512	712483.1	711397	708162
	Sample ID	LW2-BTFC001	LW2-BTFC002	LW2-BTFC003	LW2-BTFC004	LW2-BTFC005	LW2-BTFC006 Rep 1	LW2-BTFC007	LW2-BTFC008	LW2-BTFC009	LW2-BTFC010	LW2-BTFC011	LW2-BTFC012	LW2-BTFC013
	Sample Date	12/13/2005	12/13/2005	12/13/2005	12/13/2005	12/12/2005	12/12/2005	12/12/2005	12/09/2005	12/09/2005	12/08/2005	12/08/2005	12/08/2005	12/07/2005
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
PCB130	pg/g	461	715	252	337	777	1820 T	300	385		253	474	298	572
PCB131	pg/g	97.1	185	44.4	67.9	201	542 T	56.4	74		42.6	77.6	51.3	79.8
PCB132	pg/g	1630	2810	986	1360	3380	7780 T	1250	1470		984	1950	1180	2600
PCB133	pg/g	190	280	151	179	309	475 T	173	208		168	285	175	326
PCB134 & 143	pg/g	372	607	233	313	741	1560 T	301	320		251	423	273	507
PCB135 & 151 & 154	pg/g	3070	4870	2420	3020	6050	10300 T	2930	3300		2800	4470	3160	6720
PCB136	pg/g	774	1230	559	679	1430	2640 T	645	620		593	907	686	1400
PCB137	pg/g	132	232	57.7	92.8	304	798 T	80.8	116		61.7 U	134	80.2	166
PCB139 & 140	pg/g	115	193	62.9	85.2	212	503 T	80.2	108		65.8	124	85.9	162
PCB141	pg/g	206	394	150	227	551	1040 T	203	265		195	388	227	959
PCB142	pg/g	0.592 U	2.59 U	2.26 U	1.05 U	1.79	4.51 JT	0.958 U	1.51		0.711	5.61 U	0.869	2.51 U
PCB144	pg/g	335	562	220	296	670	1260 T	271	298		249	437	287	577
PCB145	pg/g	2.7	4.46	1.1	1.71	4.07	7.67 T	1.44	1.56		0.908	1.94	1.44	2.27
PCB146	pg/g	1460	2320	1150	1440	2880	4910 T	1450	1700		1370	2410	1550	2940
PCB147 & 149	pg/g	5770	9030	4230	5260	11000	23800 T	5180	5290		4590	9000	5520	10900
PCB148	pg/g	46.1	58.9	43.9	49.1	70.3	59.4 T	50.2	59.4		52.3	71.1	54.4	83
PCB150	pg/g	31.4	39.5	29.1	30.4	43.8	42.2 T	31.3	29.4		33.1	46	37.2	54
PCB152	pg/g	18.4	25.6	15.7	17.4	24.8	27 T	18.4	13.8		18.6	22.8	16.6	24.2
PCB153 & 168	pg/g	14800	25600	10500	13500	30000	51500 T	15000	14200		14000	20100	11200	16700
PCB155	pg/g	6.51	7.73	6.48	7.41	7.82	4.46 T	8.49	6.43		8.07	9.45	7.55	9.03
PCB156 & 157	pg/g	522	951	270	416	1090	2360 T	381	432		306	432	341	627
PCB158	pg/g	695	1200	404	577	1370	3110 T	519	653		438	857	488	911
PCB159	pg/g	17.2	29.3	13	17.9	38.5	71.3 T	17.1	23.5		17.9	34	22.5	91.1
PCB161	pg/g	0.669 U	0.675 U	1.54 U	0.714 U	0.665 U	0.664 UT	0.675 U	0.67 U		0.633 U	3.85 U	0.654 U	1.72 U
PCB162	pg/g	13.6	26.5	7.05	12.4	26.1	75.1 T	10.7	13.2		8.45	14.3	9.4	18.2
PCB164	pg/g	307	521	206	286	633	1430 T	262	325		228	431	269	686
PCB165	pg/g	12.3	15.6	12.1	13.8	17.7	16.8 T	14.7	16.5		15.1	22.9	13.7	21.8
PCB167	pg/g	627	1110	360	500	1080	2270 T	481	517		389	451	347	411
PCB169	pg/g	2.37 U	3.04 U	2.18 U	2.62 U	5.06 U	8.42 UT	2.56 U	3.59 U		3.31 U	7.41 U	3.08 U	10.2 U
PCB170	pg/g	346	604	275	379	745	1350 T	367	449		378	444	381	1410
PCB171 & 173	pg/g	582	898	437	547	957	1690 T	526	562		521	623	527	863
PCB172	pg/g	47.3	85	37.8	52.1	106	179 T	50.5	65.9		52.9	65.4	53.6	256
PCB174	pg/g	433	762	353	468	952	1600 T	435	560		450	601	519	1810
PCB175	pg/g	92.2	147	68.9	90.8	176	295 T	85.6	102		89.5	123	86.9	152
PCB176	pg/g	300	448	229	277	492	796 T	262	260		261	364	261	499
PCB177	pg/g	1250	1860	986	1180	1990	3220 T	1120	1210		1110	1400	1120	2020
PCB178	pg/g	654	960	542	646	1060	1540 T	598	673		625	905	598	1100
PCB179	pg/g	1030	1520	828	975	1700	2540 T	929	934		928	1260	940	1730
PCB180 & 193	pg/g	2330	3930	2100	2770	5110	7330 T	2770	2510		2930	2870	2340	3670
PCB181	pg/g	11.5	20.5	8.83	11.4	23.2	44.6 T	10.6	12.6		9.93	14.3	12.7	15.5
PCB182	pg/g	3.96	7.22	4.91	5.49	8.7	15.9 JT	4.61	7.87		5.12	9.59	5.64	19.8
PCB183 & 185	pg/g	1330	2130	1080	1410	2580	4370 T	1330	1470		1370	1910	1390	2630
PCB184	pg/g	3.48	4.51	3.04	3.13	4.4	5.1 T	3.2	3.11		3.32	5.35	3.57	3.97
PCB186	pg/g	0.199 U	0.313 J	0.637 U	0.157 U	0.634 U	0.677 T	0.644 U	0.223 J		0.604 U	0.665 U	0.172 J	0.668 U
PCB187	pg/g	3270	5080	2760	3410	5980	9230 T	3220	3670		3280	5030	3300	7160
PCB188	pg/g	10.2	12.4	9.49	10.7	13.4	14.5 T	10.4	10.6		10.4	14.3	10.3	14.6
PCB189	pg/g	12.3	21	9.3	12	26.3	46.7 T	12.9	15.3		13.3	16.1	12.1	48.3
PCB190	pg/g	325	537	274	368	608	1020 T	346	361		357	410	351	586
PCB191	pg/g	48.9	84.1	37.9	54.2	96.8	165 T	51.2	57.6		52.4	61.3	51.3	90.4
PCB192	pg/g	1.48 U	1.5 U	1.48 U	1.49 U	1.48 U	1.47 UT	1.5 U	1.49 U		1.4 U	1.55 U	1.45 U	1.55 U
PCB194	pg/g	41.8	74.7	35.8	44.1	105	181 T	47.8	63.9		50.9	65.4	49.4	323
PCB195	pg/g	167	262	131	171	320	543 T	177	192		174	206	168	332
PCB196	pg/g	105	182	85.6	119	246	422 T	117	152		122	143	123	279
PCB197 & 200	pg/g	69.1	110	51.6	70.4	146	244 T	68.5	81.3		70.2	78	71.1	162

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC001	FC002	FC003	FC004	FC005	FC0061	FC007	FC008	FC009	FC010	FC011	FC012	FC013
	X_Easting	7617907	7617357	7613632	7617009	7618029	7619699	7618653	7620332	7619630	7619776	7618222	7618724	7622485
	Y_Northing	725043.1	723878.5	720059.1	719490.7	717180	717279.9	714953	714403.3	713810.9	712512	712483.1	711397	708162
	Sample ID	LW2-BTFC001	LW2-BTFC002	LW2-BTFC003	LW2-BTFC004	LW2-BTFC005	LW2-BTFC006 Rep 1	LW2-BTFC007	LW2-BTFC008	LW2-BTFC009	LW2-BTFC010	LW2-BTFC011	LW2-BTFC012	LW2-BTFC013
	Sample Date	12/13/2005	12/13/2005	12/13/2005	12/13/2005	12/12/2005	12/12/2005	12/12/2005	12/09/2005	12/09/2005	12/08/2005	12/08/2005	12/08/2005	12/07/2005
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
PCB198 & 199	pg/g	214	365	177	236	527	875 T	229	341		231	287	255	1000
PCB201	pg/g	134	202	98.6	126	255	409 T	126	152		123	149	126	208
PCB202	pg/g	305	437	238	294	563	872 T	289	363		280	330	284	380
PCB203	pg/g	430	701	365	525	1010	1730 T	510	594		497	576	488	836
PCB204	pg/g	0.331 J	0.435 J	0.277 J	0.356 J	0.516 J	0.656 T	0.228 J	0.276 J		0.288 J	0.422 J	0.404 J	0.504 J
PCB205	pg/g	25.8	38.9	20.2	26.3	48.1	79.5 T	26.6	31.1		26.6	32.3	25.3	48.6
PCB206	pg/g	62.7	98.8	50	70.6	177	291 T	73.8	92.7		68.6	79.1	73	202
PCB207	pg/g	12	19.2	9.1	12.6	32	50.9 T	13.3	17		12.3	16.6	14.6	32.1
PCB208	pg/g	30.4	49	24.7	34.4	90.4	128 T	35.8	51.7		34.8	39.8	38.3	114
PCB209	pg/g	30.1	43.5	28.1	33.4	59.9	61.9 T	34	42.7		35.5	47.8	48.3	108
Polychlorinated biphenyls	pg/g	157000	327000	70400	110000	306000	513000 T	108000	99500		81100	127000	89900	153000
Monochlorobiphenyl homologs	pg/g	17.6	107	4.36	16.8	47.5	32.7 T	15.3	7.01		5.02		5.85	17.6
Dichlorobiphenyl homologs	pg/g	2050	10900	1020	1790	5360	4450 T	1850	729		907	723 J	963	1300
Trichlorobiphenyl homologs	pg/g	7810	19900	2620	9720	42900	38400 T	11000	5180		3050	4950 J	3590	5810
Tetrachlorobiphenyl homologs	pg/g	43000	105000	9900	20800	72800	94000 T	19900	15000		11200	17200 J	14300	19600
Pentachlorobiphenyl homologs	pg/g	50400	103000	17800	27400	78300	180000 T	24600	25400		18900	29700	24500	38200
Hexachlorobiphenyl homologs	pg/g	40100	66700	27700	36100	80400	155000 T	36600	38000		32800	56000	32800	59700
Heptachlorobiphenyl homologs	pg/g	12100	19100	10000	12700	22600	35400 T	12100	12900		12400	16100	12000	24100
Octachlorobiphenyl homologs	pg/g	1490	2370	1200	1610	3220	5350 T	1590	1970		1570	1870	1590	3570
Nonachlorobiphenyl homologs	pg/g	105	167	83.7	118	299	469 T	123	161		116	135	126	349

Table 4-7. Analytical Results for Tissue Samples.

Location Name	FC014	FC015	FC016	FC017	FC018	FC019	FC020	FC021	FC022	FC023	FC024	FC025	FC026
X_Easting	7622538	7624540	7627112	7626539	7627554	7629707	7628424	7629263	7633170	7632330	7630848	7631850	7634864
Y_Northing	706448	705302	705760	703849.6	702741.4	703109	701131	700055	701922.6	700479	699055.6	697559	700368
Sample ID	LW2-BTFC014	LW2-BTFC015	LW2-BTFC016	LW2-BTFC017	LW2-BTFC018	LW2-BTFC019	LW2-BTFC020	LW2-BTFC021	LW2-BTFC022	LW2-BTFC023	LW2-BTFC024	LW2-BTFC025	LW2-BTFC026
Sample Date	12/07/2005	12/05/2005	12/05/2005	12/05/2005	12/02/2005	12/02/2005	12/01/2005	12/05/2005	11/29/2005	11/29/2005	12/01/2005	12/02/2005	11/28/2005
Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit												
Total solids	percent	14.4	16	14.7	15.2		14.3	15.4	13.6	13.6	14.8	17.1	15.5	15.7
Lipids	*percent*	*1.94*	*2.21*	*2.09*	*3.38*	*2.16*	*1.99*	*3.14*	*2.32*	*3.01*		*2.91*	*2.73*	*2.73*
Aluminum	mg/kg	57.5	69.7	97.3	80.1		110	167	88.9	177	148	121	42.4	202
Antimony	mg/kg	0.001 U	0.002 U	0.002 U	0.001 U		0.002 U	0.002 J	0.001 J	0.004 J	0.003 U	0.003 J	0.001 J	0.006 U
Arsenic	mg/kg	1.07	0.992	0.965	1.05		0.913	0.889	0.946	0.83	0.694	0.963	0.941	0.917
Cadmium	mg/kg	0.077	0.0769	0.0582	0.0775		0.0746	0.0715	0.0714	0.0979	0.084	0.112	0.0736	0.144
Chromium	mg/kg	0.75	0.67	0.59	0.73		0.9	0.63	0.65	0.57	0.62	0.67	0.47	0.45
Copper	mg/kg	11.6	11.6	11	11.6		10.3	9.5	9.41	8.52	13.5	9.26	8.89	9.36
Lead	mg/kg	0.048	0.054	0.115	0.072		0.073	0.101	0.06	0.119	0.116	0.146	0.055	0.192
Mercury	mg/kg	0.016 J		0 011	0.013 J		0.011	0.007 J	0.01 J	0.011 J		0.007 J	0.009 J	
Nickel	mg/kg	0.307 J	0.441 J	0 304 J	0.437 J		0.436 J	0.335 J	0.297 J	0.354 J	0.391 J	0.302 J	0.264 J	0.386 J
Selenium	mg/kg	0.105	141	0.12	0.1		0.14	0.169	0.088	0.09	0.19	0.146	0.087	0.21
Silver	mg/kg	0.0831	0.0707	0.0498	0.0752		0.0591	0.0535	0.0557	0.0374	0.0324	0.0784	0.0494	0.0436
Zinc	mg/kg	30.8	37.9	26.8	36.9		28.4	40.1	30.9	42.4	54	46.9	35.6	32.5
Butyltin ion	µg/kg	0.061 U			3.5 J		8.4	0.39 U	1	7.3 J	97	1.4	0.67 U	
Dibutyltin ion	µg/kg	2.5			2.9		8.1	1.5	2.5	12	560	2.3	1.9	
Tributyltin ion	µg/kg	3.6 U			4.2 U		17	2.5	3.7	33	530	3.1	3.3 U	
Tetrabutyltin	µg/kg	*0.067 U*			*0.067 U*		*0.067 U*	*0.067 U*	*0.067 U*	*0.067 U*	*3.4 U*	*0.067 U*	*0.067 U*	
2-Methylnaphthalene	µg/kg	2.3	20	1.8 J	2	3.3	2.1	1.9	1.7	1.8		1.9	22	3
Acenaphthene	µg/kg	21	61	0.97 J	2.5	4.7	1.7	2.3	1.1	0.78		0.92	21	1.2
Acenaphthylene	µg/kg	14	14	1.2	4.6	2.4	0.79 J	2	1.2	1.2		1.1	3.1	1.4
Anthracene	µg/kg	65	78	5.5	24	8.6	3.4	5.8	3.9	3.1		4.5	5	6.8
Fluorene	µg/kg	16	36	2.4	5.3	5.2	2.9	3.7	2.3	2		3.1	20	3.6
Naphthalene	µg/kg	3	33	1.5 U	1.6 U	2.6	1.9 U	1.9 U	1.5 U	1.6 U		1.5 U	9	1.9 U
Phenanthrene	µg/kg	190	300	16	87	36	16	21	12	7.9		19	160	16
Low Molecular Weight PAH	µg/kg	311 T	542 T	27.9 JT	125 T	62.8 T	26.9 JT	36.7 T	22.2 T	16.8 T		30.5 T	240 T	32 T
Dibenzo(a,h)anthracene	µg/kg	37	43	0.22 U	6.3	0.28 U	0.22 U	0.11 U	0.11 U	0.11 U		0.11 U	0.22 U	0.22 U
Benzo(a)anthracene	µg/kg	670	630	18	160	82	12	18	14	8.8		9.8	17	20
Benzo(a)pyrene	µg/kg	460	490	3.8	60	19	2.4	3.2	2.8	2.3		1.9	5	3.9
Benzo(b)fluoranthene	µg/kg	430	460	4.2	67	30	3.6	5.1	3.6	3.4		2.7	18	8.8
Benzo(g,h,i)perylene	µg/kg	230	230	1.5	23	7.3	1.2	1.9	1.2	1.4		1	3.3	2.7
Benzo(k)fluoranthene	µg/kg	280	310	2.8	43	20	2	2.4	1.6	1.5		1.1	13	4.2
Chrysene	µg/kg	560	560	22	150	66	19	25	20	16		16	47	45
Fluoranthene	µg/kg	770	720	41	250	140	41	57	37	23		45	240	56
Indeno(1,2,3-cd)pyrene	µg/kg	160	170	1.2	16	6.8	0.32 U	1.4	0.16 U	0.16 U		0.16 U	6.8	3.1
Pyrene	µg/kg	850	820	38	280	140	33	46	33	24		34	130	71
High Molecular Weight PAH	µg/kg	4450 T	4430 T	133 T	1060 T	511 T	114 T	160 T	113 T	80.4 T		112 T	480 T	215 T
Polycyclic Aromatic Hydrocarbons	µg/kg	4760 T	4980 T	160 JT	1180 T	574 T	141 JT	197 T	135 T	97.2 T		142 T	720 T	247 T
1,2,4-Trichlorobenzene	µg/kg	9.9 U	20 U	20 U	9.9 U		20 U	9.9 U	9.9 U	20 U		9.9 U	20 U	20 U
1,2-Dichlorobenzene	µg/kg	12 UJ	24 UJ	24 UJ	12 UJ		24 UJ	12 UJ	12 UJ	24 UJ		12 UJ	24 UJ	24 UJ
1,3-Dichlorobenzene	µg/kg	11 UJ	22 UJ	22 UJ	11 UJ		22 UJ	11 UJ	11 UJ	22 UJ		11 UJ	22 UJ	22 UJ
1,4-Dichlorobenzene	µg/kg	11 UJ	22 UJ	22 UJ	11 UJ		22 UJ	11 UJ	11 UJ	22 UJ		11 UJ	22 UJ	22 UJ
Benzyl alcohol	µg/kg	9.4 J	35 J	27 J	12 J		95 J	17 J	8.6 J	33 J		13 J	23 J	120 J
Dibenzofuran	µg/kg	0.071 U	5.2	1.1	1.5	2.5	1.9	1.6	1.2	1.1		1.5	17	1.5
Hexachlorobenzene	µg/kg	0.568	0.651	0.548	1.07	0.662	0.516	0.791	0.51	0.731		0.642	0.653	0.706
Hexachlorobutadiene	µg/kg	0.025 J	17 U	17 U	8.5 U		0.00912 UJ	8.5 U	8.5 U	17 U		8.5 U	17 U	17 U
Hexachloroethane	µg/kg	8.5 U	17 U	17 U	8.5 U		17 U	8.5 U	8.5 U	17 U		8.5 U	17 U	17 U
N-Nitrosodiphenylamine	µg/kg	9.5 U	19 U	19 U	9.5 U		19 U	9.5 U	9.5 U	19 U		9.5 U	19 U	19 U
Dimethyl phthalate	µg/kg	5.1 U	11 U	11 U	5.1 U		11 U	5.1 U	5.1 U	11 U		5.1 U	11 U	11 U
Diethyl phthalate	µg/kg	*14 U*	*27 U*	*23 U*	*16 U*		*20 U*	*16 U*	*15 U*	*28 U*		*15 U*	*29 U*	*23 U*
Dibutyl phthalate	µg/kg	16 U	32 U	32 U	16 U		32 U	16 U	16 U	1300		16 U	32 U	32 U
Butylbenzyl phthalate	µg/kg	14 U	28 U	28 U	14 U		28 U	14 U	14 U	28 U		14 U	28 U	28 U
Di-n-octyl phthalate	µg/kg	13 U	26 U	26 U	13 U		26 U	13 U	13 U	26 U		13 U	26 U	640 U
Bis(2-ethylhexyl) phthalate	µg/kg	53 U	110 U	110 U	53 U		110 U	53 U	53 U	120 J		53 U	110 U	140 J

Table 4-7. Analytical Results for Tissue Samples.

Location Name	FC014	FC015	FC016	FC017	FC018	FC019	FC020	FC021	FC022	FC023	FC024	FC025	FC026
X_Easting	7622538	7624540	7627112	7626539	7627554	7629707	7628424	7629263	7633170	7632330	7630848	7631850	7634864
Y_Northing	706448	705302	705760	703849.6	702741.4	703109	701131	700055	701922.6	700479	699055.6	697559	700368
Sample ID	LW2-BTFC014	LW2-BTFC015	LW2-BTFC016	LW2-BTFC017	LW2-BTFC018	LW2-BTFC019	LW2-BTFC020	LW2-BTFC021	LW2-BTFC022	LW2-BTFC023	LW2-BTFC024	LW2-BTFC025	LW2-BTFC026
Sample Date	12/07/2005	12/05/2005	12/05/2005	12/05/2005	12/02/2005	12/02/2005	12/01/2005	12/05/2005	11/29/2005	11/29/2005	12/01/2005	12/02/2005	11/28/2005
Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name / Unit													
2,4-Dimethylphenol µg/kg	13 U	26 U	26 U	13 U		26 U	13 U	13 U	26 U		13 U	26 U	26 U
2-Methylphenol µg/kg	53 U	110 U	110 U	53 U		110 U	53 U	53 U	110 U		53 U	110 U	110 U
4-Methylphenol µg/kg	15 U	30 U	30 U	15 U		30 U	15 U	15 U	30 U		15 U	30 U	30 U
Pentachlorophenol µg/kg	R	R	R	R		R	R	R	R		R	R	R
Phenol µg/kg	17 U	34 U	34 U	17 U		34 U	17 U	17 U	34 U		17 U	34 U	34 U
2,4'-DDD µg/kg	5.61	9.65	1.35	52.1	26.8	0.882	6.13	3.41	1.48		2.14	1.95	1.31
2,4'-DDE µg/kg	1.17	1.5	0.286	6.46	3.37	0.218 J	1.05	0.612	0.378		0.489	0.656	0.327
2,4'-DDT µg/kg	1.43	2.37	0.404	12.2	7.1	0.307	3.28	1.05	0.558		0.49	0.331	0.369
4,4'-DDD µg/kg	18.2	27.9	5.07	144	88.8	3.57	22.4	11.1	6.35		8.04	8.29	5.45
4,4'-DDE µg/kg	16.2	18.3	9.16	56.7	37.7	8.32	21.8	14.1	13		14.1	18.1	10
4,4'-DDT µg/kg	5.39	6.1	1.2	32.2	17.3	0.978	8.36	2.78	1.87		1.56	0.905	1.44
Total of 4,4'-DDD, -DDE, -DDT µg/kg	39.8 T	52.3 T	15.4 T	233 T	144 T	12.9 T	52.6 T	28 T	21.2 T		23.7 T	27.3 T	16.9 T
Aldrin µg/kg	0.224 J	0.254 J	0.208 J	0.36	0.261 J	0.194 J	0.399	0.243	0.29 J		0.324	0.528	0.29 J
alpha-Hexachlorocyclohexane µg/kg	0.0634 U	0.0106 J	0.0108 J	0.0201 U	0.0119 U	0.0101 U	0.0643 U	0.0118 U	0.0184 U		0.018 J	0.0143 J	0.0189 J
beta-Hexachlorocyclohexane µg/kg	0.0416 U	0.0437 U	0.0438 U	0.0421 U	0.00418 U	0.0435 U	0.0422 U	0.0416 U	0.0537 U		0.043 U	0.0457 U	0.0437 U
delta-Hexachlorocyclohexane µg/kg	0.00265 U	0.00193 U	0.00123 U	0.00425 J	0.00153 U	0.00156 U	0.00401 J	0.00142 J	0.00166 U		0.00139 U	0.00164 U	0.00121 U
gamma-Hexachlorocyclohexane µg/kg	0.0646 J	0.063 J	0.0709 J	0.0837 J	0.0536 J	0.0653 J	0.0627 U	0.0636 J	0.0771 J		0.0747 J	0.0784 J	0.076 J
cis-Chlordane µg/kg	0.923	1.04	0.826	2.96	0.973	0.825	1.49	0.881	1.31		1.39	1.54	1.24
trans-Chlordane µg/kg	0.682	0.77	0.607	2.37	0.75	0.618	1.13	0.709	0.911		1.08	1.35	0.942
Oxychlordane µg/kg	0.0663 J	0.0838 J	0.0628 J	0.105 J	0.0624 J	0.0613 J	0.0941 U	0.0515 J	0.101 J		0.085 J	0.0806 J	0.0839 J
cis-Nonachlor µg/kg	0.404 J	0.474 J	0.394 J	1.04	0.443 J	0.392 J	0.633	0.392 J	0.587 J		0.508	0.547	0.575
trans-Nonachlor µg/kg	1.2	1.29	1.05	3.38	1.2	1.05	1.78	1.22	1.61		1.49	1.61	1.52
Total Chlordanes µg/kg	3.28 JT	3.66 JT	2.94 JT	9.86 JT	3.43 JT	2.95 JT	5.03 T	3.25 JT	4.52 JT		4.55 JT	5.13 JT	4.36 JT
Dieldrin µg/kg	0.87	0.945	0.766	1.29	0.864	0.732	1.19	0.81	1.1		0.861	0.883	1.11
alpha-Endosulfan µg/kg	0.15 J	0.16 J	0.141 J	0.211	0.153 J	0.128 J	0.208	0.14 J	0.211 J		0.167 J	0.158 J	0.223
beta-Endosulfan µg/kg	0.157 J	0.164 J	0.182 J	0.235	0.158 J	0.161 J	0.252	0.17 J	0.252		0.198	0.202	0.26
Endosulfan sulfate µg/kg	0.582	0.723	0.702	0.905	0.683	0.665	0.89	0.686	0.803		0.868	0.732	0.745
Endrin µg/kg	0.00833 U	0.0531 U	0.0062 U	0.0435 J	0.0111 J	0.0264 U	0.0485 J	0.0104 J	0.00735 J		0.0099 J	0.0111 J	0.0199 U
Endrin aldehyde µg/kg	0.019 U	0.0399 U	0.02 U	0.0192 U	0.0199 U	0.0199 U	0.0192 U	0.0189 U	0.0244 U		0.0193 U	0.0206 U	0.015 U
Endrin ketone µg/kg	0.00366 U	0.00377 J	0.0018 U	0.00855 J	0.00356 J	0.00242 J	0.0136 J	0.00299 J	0.00246 U		0.00329 J	0.00324 J	0.0312 U
Heptachlor µg/kg	0.0378 J	0.0528 J	0.00831 J	0.419 J	0.0241 J	0.00943 U	0.0514 U	0.0126 J	0.0162 U		0.0273 J	0.0196 J	0.017 U
Heptachlor epoxide µg/kg	0.061 J	0.0638 J	0.0519 J	0.11 J	0.0586 J	0.0524 J	0.0866 J	0.0552 J	0.0807 J		0.0637 J	0.061 J	0.082 J
Methoxychlor µg/kg	0.0361 U	0.0276 U	0.0173 U	0.0937 J	0.0189 U	0.0186 U	0.0298 U	0.0159 U	0.0179 U		0.02 U	0.0152 U	0.0209 U
Chlordane (cis & trans) µg/kg	1.61 T	1.81 T	1.43 T	5.33 T	1.72 T	1.44 T	2.62 T	1.59 T	2.22 T		2.47 T	2.89 T	2.18 T
2,3,7,8-Tetrachlorodibenzo-p-dioxin pg/g	0.291 U	0.382 U	0.239 U	0.432	0.329 U	0.193 U	0.239 U				0.165 J		0.249
1,2,3,7,8-Pentachlorodibenzo-p-dioxin pg/g	0.449 U	0.544 J	0.257 J	0.373 J	0.263 J	0.273 J	0.23 J				0.14 U		0.343 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin pg/g	0.221 J	0.268 U	0.122 J	0.189 J	0.162 U	0.189 J	0.169 U				0.107 U		0.227 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin pg/g	1.3	1.48	0.674 J	0.984 J	0.745 J	1.19 J	0.726 J				0.432 U		1.08 J
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin pg/g	0.464 J	0.489 J	0.199 U	0.307 U	0.269 J	0.27 J	0.26 U				0.172 J		0.402 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin pg/g	5.6	6.69	3.99	4.58	4.07	9.55	4.35				3.01		8.81
2,3,7,8-Tetrachlorodibenzofuran pg/g	3.51	5.48	0.902	17.3	24.4	0.971	2.4				1.9		0.941
1,2,3,7,8-Pentachlorodibenzofuran pg/g	1.12 J	1.84	0.153 J	3.56	7.01	0.267 J	0.268 J				0.09 J		0.148 J
2,3,4,7,8-Pentachlorodibenzofuran pg/g	1.16	1.71	0.347 U	3.06	5.87	0.675 J	0.428 J				0.297 J		0.49 J
1,2,3,4,7,8-Hexachlorodibenzofuran pg/g	0.884 J	1.3	0.235 J	1.79 J	4.8	0.359 J	0.213 U				0.101 J		0.418 J
1,2,3,6,7,8-Hexachlorodibenzofuran pg/g	0.189 U	0.254 J	0.061 J	0.397 J	0.868 J	0.109 J	0.138 U				0.1 U		0.104 J
1,2,3,7,8,9-Hexachlorodibenzofuran pg/g	0.132 U	0.139 U	0.139 U	0.25 U	0.057 U	0.138 U	0.196 U				0.142 U		0.139 U
2,3,4,6,7,8-Hexachlorodibenzofuran pg/g	0.196 U	0.25 U	0.116 U	0.219 J	0.426 J	0.166 U	0.091 U				0.118 U		0.17 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran pg/g	1.08 J	1.23	0.748 J	1.51 U	1.33	1.22	1.04 U				0.739 U		2.07
1,2,3,4,7,8,9-Heptachlorodibenzofuran pg/g	0.072 U	0.107 J	0.067 J	0.165 J	0.454 J	0.098 J	0.195 U				0.141 U		0.118 J
Tetrachlorodibenzo-p-dioxin homologs pg/g	10.4	12.7	6.86	13.6	9.18	5.78	7.37				5.17		8.99
Pentachlorodibenzo-p-dioxin homologs pg/g	2.15	2.53	1.43	1.78	1.97	1.36	1.36				0.799		2.17
Hexachlorodibenzo-p-dioxin homologs pg/g	5.6	6.75	2.75	4.08	3.67	4.88	2.92				1.01		5.61
Heptachlorodibenzo-p-dioxin homologs pg/g	10.3	13	8.16	8.95	9.45	34.1	8.96				6.1		17.9
Octachlorodibenzo-p-dioxin pg/g	23.5	25	25.3	23.2	24.2	110	24.2				21.5		43.4

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC014	FC015	FC016	FC017	FC018	FC019	FC020	FC021	FC022	FC023	FC024	FC025	FC026
	X_Easting	7622538	7624540	7627112	7626539	7627554	7629707	7628424	7629263	7633170	7632330	7630848	7631850	7634864
	Y_Northing	706448	705302	705760	703849.6	702741.4	703109	701131	700055	701922.6	700479	699055.6	697559	700368
	Sample ID	LW2-BTFC014	LW2-BTFC015	LW2-BTFC016	LW2-BTFC017	LW2-BTFC018	LW2-BTFC019	LW2-BTFC020	LW2-BTFC021	LW2-BTFC022	LW2-BTFC023	LW2-BTFC024	LW2-BTFC025	LW2-BTFC026
	Sample Date	12/07/2005	12/05/2005	12/05/2005	12/05/2005	12/02/2005	12/02/2005	12/01/2005	12/05/2005	11/29/2005	11/29/2005	12/01/2005	12/02/2005	11/28/2005
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
Tetrachlorodibenzofuran homologs	pg/g	15.2	21	10.5	52.3	56.4	8.57	13.7				14.5		14.1
Pentachlorodibenzofuran homologs	pg/g	9.76	14.4	4.8	17.6	27.7	8.15	4.77				3.1		6.6
Hexachlorodibenzofuran homologs	pg/g	5.69	7.88	3.04	6.02	10.4	7.94	2.38				1.67		7.42
Heptachlorodibenzofuran homologs	pg/g	3.2	3.93	2.2	1.91	3.82	4.7	1.5				1.09		7.77
Octachlorodibenzofuran	pg/g	1.42 J	1.73 J	1.68 J	1.53 J	2.09 J	3.26	1.52 J				1.17 J		3.95
Aroclor 1016	pg/g	0.765 U	1.53 U	4.49 U	0.725 U	2.33 U	1.6 U	0.859 U	0.714 U	1.09 U		1.07 U	1.42 U	1.58 U
Aroclor 1221	pg/g	0.397 U	0.795 U	2.22 U	0.295 U	1.21 U	0.828 U	0.445 U	0.351 U	0.564 U		0.554 U	0.517 U	0.82 U
Aroclor 1232	pg/g	0.351 U	0.673 U	0.93 U	0.257 U	0.425 U	0.468 U	0.328 U	0.296 U	0.427 U		0.378 U	0.398 U	1.13 U
Aroclor 1242	pg/g	2710 NJ	2800 NJ	15400 NJ	7230 NJ	2340 NJ	3300 NJ	5840 NJ	6530 NJ	3280 NJ		16700 NJ	13500 NJ	3280 NJ
Aroclor 1248	pg/g	1.51 U	5.26 U	30.9 U	6 U	6.15 U	5.84 U	7.54 U	8.32 U	7.26 U		12 U	12.6 U	11.4 U
Aroclor 1254	pg/g	29000 NJ	30800 NJ	595000 NJ	48100 NJ	40000 NJ	30700 NJ	46900 NJ	40300 NJ	101000 NJ		90300 NJ	64300 NJ	131000 NJ
Aroclor 1260	pg/g	18500 NJ	19200 NJ	861000 NJ	19700 NJ	20800 NJ	25500 NJ	18400 NJ	15900 NJ	61900 NJ		24100 NJ	28500 NJ	112000 NJ
Aroclors	pg/g	50200 JT	52800 JT	1470000 JT	75000 JT	63100 JT	59500 JT	71100 JT	62700 JT	166000 JT		131000 JT	106000 JT	246000 JT
PCB001	pg/g	2.25	2.33	43.6 J	6.15		2.98	5.21	3.06	5.82		11.7	7.61	
PCB002	pg/g	1.57	1.53	2.82 J	2.35		1.75 U	2.12	1.45	2.18		2.54	2.42	2.3 J
PCB003	pg/g	1.5	1.57	4.32	2.68		1.3	2.21	1.66 U	2.03		2 22 U	2.72 U	3.09 J
PCB004	pg/g	191	189 J	47000 J	393		598	362	269	414		1150	681	280 J
PCB005	pg/g	0.675	0.676 UJ	1.9 J	2.56	1.03 UJ	1.08	1.82	1.12	1.11		5.38	3.48	0.942 J
PCB006	pg/g	14.3	18.1 J	243 J	51	16.2 J	28.7	47.7	33	23.8		136	95.2	14.4 J
PCB007	pg/g	1.12	1.03 J	13 J	2.73	0.896 UJ	1.11	1.91	1.54	1.51		3.82	3.52	1.68 J
PCB008	pg/g	35.3	43.5 J	144 J	126	27.8 J	43.9	79.2	68.1	42.9		236	191	36.1 J
PCB009	pg/g	1.37	1.77 J	16.8 J	4.13	1.04 J	1.58	2.8	2.35	1.91		8.59	5.7	2.11 J
PCB010	pg/g	1.43	1.99 J	709 J	4.16	0.939 J	6	3.86	2.94	4.61		18.1	8.9	2 09 J
PCB011	pg/g	274	291 J	525 J	491	298 J	408	436	285	351		760	587	297 J
PCB012 & 013	pg/g	6.44	9.34 J	492 J	18	11.3 J	11.8	12	8.68	9.56		26.9	22.9	13.9 J
PCB014	pg/g	0.738 U	0.77 UJ	1.77 UJ	0.755 U	0.964 UJ	0.773 U	0.745 U	0.741 U	0.961 U		0.754 U	0.811 U	0.777 UJ
PCB015	pg/g	26.8	33.3 J	144	71.4	44 J	32.9	48	46.3	31.5		188	109	41.1
PCB016	pg/g	109	105 J	625	365	85.8 J	226	329	353	160		1030	775	98.6 J
PCB017	pg/g	230	243 J	20400	552	128 J	464	479	445	465		962	1010	468 J
PCB018 & 030	pg/g	217	241 J	3260	742	183 J	488	724	802	374		2550	1680	241 J
PCB019	pg/g	193	192 J	57300	332		509	286	232	354		603	425	462 J
PCB020 & 028	pg/g	372	370 J	1220	884	340 J	344	664	750	411		1690	1520	504 J
PCB021 & 033	pg/g	120	131 J	1710	357	116 J	126	263	314	162		552	637	236 J
PCB022	pg/g	190	199 J	260	521	190 J	210	380	391	188		963	838	133 J
PCB023	pg/g	0.278 J	0.323 UJ	4.78	0.732 U	0.221 UJ	0.811 U	0.408 J	0.401 J	1.01 U		1.45 U	1.06	0.318 J
PCB024	pg/g	1.53	1.62 J	0.744 U	0.721 U	0.741 UJ	0.739 U	0.712 U	0.708 U	0.918 U		0.72 U	0.775 U	0.742 UJ
PCB025	pg/g	49.1	48.6 J	2610	109	41.1 J	70.4	85	75.3	95.5		154	159	156 J
PCB026 & 029	pg/g	66	*70.1 J*	916	153	*55.3 J*	*68.4*	*131*	*121*	83		298	247	*100 J*
PCB027	pg/g	94.5	83.3 J	22100	179	51 J	262	175	155	184		509	322	178 J
PCB031	pg/g	280	279 J	497	659	231 J	223	479	556	265		1080	1100	313 J
PCB032	pg/g	60.9	65.1 J	2620	169	42.3 J	93.3	134	136	145		494	315	227 J
PCB034	pg/g	1.89	2.06 J	16.3	4.25	1.64 J	1.42	3.9	5.14	2.66		6.83	7.35	3.01 J
PCB035	pg/g	9.85	10.9 J	11.7	19.2	9.26 J	8.89	12.9	10.6	9.86		21.3	20.8	12.6 J
PCB036	pg/g	3.04	2.75 J	1.75 U	3.83	1.92 J	2.5	2.86	2.33	2.09		3.4 U	3.48	3.79 J
PCB037	pg/g	96.1	118	133	252	147	90.4	175	176	106		390	368	113
PCB038	pg/g	1.53	1.55 J	110	2.71	1.8 J	2.03	2.42	2.05	0.748 U		3.54	4 U	5.11 J
PCB039	pg/g	6.42	8.68 J	43.1	14.8	9.81 J	7.27	11.9	13.1	8.23		19.7	22.9	11.4 J
PCB040 & 041 & 071	pg/g	449	457	11200	1200	743 J	524	936	929	1020		1660	1680	1760
PCB042	pg/g	479	479	4390	1190	784 J	590	983	968	855		1550	1740	707
PCB043	pg/g	26.2	29.4	1090	61.3	36.2 J	23.9	47.2	55	30.8		74.3	81.9	44.5
PCB044 & 047 & 065	pg/g	1790	1630	90400	3830	2620 J	2510	3180	3340	4630		7550	6050	9560
PCB045 & 051	pg/g	288	217	38300	532	210 J	455	448	398	1210		767	792	3140
PCB046	pg/g	27	23.4	968	70.1	25.4 J	25.1	53.2	54.7	56.2		92.5	91.1	92.2
PCB048	pg/g	190	198	1150	511	276 J	187	405	442	241		644	769	235

Table 4-7. Analytical Results for Tissue Samples.

Location Name		FC014	FC015	FC016	FC017	FC018	FC019	FC020	FC021	FC022	FC023	FC024	FC025	FC026
X_Easting		7622538	7624540	7627112	7626539	7627554	7629707	7628424	7629263	7633170	7632330	7630848	7631850	7634864
Y_Northing		706448	705302	705760	703849.6	702741.4	703109	701131	700055	701922.6	700479	699055.6	697559	700368
Sample ID		LW2-BTFC014	LW2-BTFC015	LW2-BTFC016	LW2-BTFC017	LW2-BTFC018	LW2-BTFC019	LW2-BTFC020	LW2-BTFC021	LW2-BTFC022	LW2-BTFC023	LW2-BTFC024	LW2-BTFC025	LW2-BTFC026
Sample Date		12/07/2005	12/05/2005	12/05/2005	12/05/2005	12/02/2005	12/02/2005	12/01/2005	12/05/2005	11/29/2005	11/29/2005	12/01/2005	12/02/2005	11/28/2005
Species		field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
PCB049 & 069	pg/g	791	774	25100	1560	875 J	825	1300	1260	2130		2240	2230	4640
PCB050 & 053	pg/g	540	380	56700	848	355 J	917	837	707	1410		1300	1240	2540
PCB052	pg/g	1230	1180	19800	2330	1380 J	1280	2050	1990	2710		4070	3360	4200
PCB054	pg/g	38.3	31.5	8720	48.8	32.1 J	55.2	36	30.7	107		49.5	48.2	298
PCB055	pg/g	9.07	14	27.3	1.95 U	20.8 J	11	1.92 U	1.91 U	2.48 U		2.11 U	2.22 U	14.8
PCB056	pg/g	408	493	533	1070	942 J	384	746	805	549		1050	1240	509
PCB057	pg/g	5.65	5.79	553	9.02	8.5 J	5.22	7.75	8.45	8.49		11.9	12.3	10
PCB058	pg/g	3.63	1.69 U	4.84 U	8.36	6.71 J	1.7 U	8.09	8.05	2.11 U		2.07 U	2.17 U	2.02 U
PCB059 & 062 & 075	pg/g	106	103	6900	253	154 J	137	211	216	197		357	377	309
PCB060	pg/g	158	191	175	441	348 J	135	271	283	159		409	475	162
PCB061 & 070 & 074 & 076	pg/g	1580	1890	3170	3700	2950 J	1370	2810	3170	2720		4480	4590	3160
PCB063	pg/g	43.1	49.6	320	101	79.1 J	35.3	72.9	83.2	78.1		112	121	116
PCB064	pg/g	323	334	524	820	492 J	261	604	635	478		900	980	559
PCB066	pg/g	971	1080	3780	2310	1930 J	876	1690	1830	1650		2680	2820	1780
PCB067	pg/g	36.6	42.8	879	87.4	62.8 J	39.6	65.1	66	71.7		88.7	110	123
PCB068	pg/g	21.6	22	1220	28.6	22.3 J	24.2	26.8	23.3	91.7		46.5	44.7	212
PCB072	pg/g	23.7	24.6	373	32.9	26.8 J	18.8	32.4	29.3	75.7		53.1	51.1	111
PCB073	pg/g	11	11.2	1970	1.67 U	10.1 J	22.8	1.65 U	1.64 U	55.7		1.67 U	1.79 U	180
PCB077	pg/g	81.5	97.1	109	188	151	75.9	141	141	123		172	213	122
PCB078	pg/g	1.2 U	1.25 U	5.03 U	1.23 U	1.26 UJ	1.26 U	1.25 U	1.38 U	1.56 U		2.02 U	2.12 U	2.16 U
PCB079	pg/g	34.5	56.9	512	73.8	74.3 J	58.9	56.1	53.6	126		179	108	148
PCB080	pg/g	0.694	2.17 U	4.41 U	2.13 U	2.19 UJ	2.18 U	2.1 U	2.09 U	2.71 U		2.13 U	2.29 U	2.19 U
PCB081	pg/g	2.76	3.25	9.53	7.98	4.64	3.1	6 U	4.92 U	4.5 U		9.41 U	8.99 U	7.19
PCB082	pg/g	177	204	513	368	290	155	304	287	438		471	384	423
PCB083 & 099	pg/g	1890	2050	53800	3000	2480	1980	2970	2540	7260		5460	4060	10300
PCB084	pg/g	455	388	5610	793	523	376	728	647	1290		1270	989	1480
PCB085 & 116 & 117	pg/g	376	401	3060	723	578	342	649	565	985		1170	839	1120
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	1730	1800	20500	3010	2510	1850	2890	2500	5330		5830	3980	6080
PCB088 & 091	pg/g	490	405	13700	760	511	515	720	627	2050		1380	1170	3960
PCB089	pg/g	18.5	18.4	109	44.5	31.5	14.3	35.3	35.8	36.5		48.6	49.4	42.6
PCB090 & 101 & 113	pg/g	3300	3580	73300	5050	4500	3460	4930	4220	12300		9390	7110	18000
PCB092	pg/g	718	732	23500	1050	832	703	1020	867	2780		1710	1500	4880
PCB093 & 095 & 098 & 100 & 102	pg/g	3300	2590	122000	4640	3230	3960	4460	4100	10900		8890	6810	17600
PCB094	pg/g	51.9	37	6640	61.5	35.7	65.2	53.1	44.5	194		83.4	84.1	533
PCB096	pg/g	29.9	22	1930	48.7	22.3	32.2	43.3	37.8	122		62.3	63	269
PCB103	pg/g	136	107	6500	169	101	137	162	128	501		216	233	1120
PCB104	pg/g	15	13	2330	16.4	13	25.4	12.8	11	40.7		15.6	16.1	112
PCB105	pg/g	747	872	1450	1320	1140	733	1080	987	1570		2320	1550	1520
PCB106	pg/g	0.913 U	3.95 U	88	3.22 U	4.72 U	4.6 U	0.743 U	2.73 U	1.83 U		1.43 U	0.906 U	4.87 U
PCB107 & 124	pg/g	80.6	91.1	310	122	114	77	111	93.9	179		234	159	199
PCB109	pg/g	205	246	1460	334	302	189	299	280	680		536	416	783
PCB110 & 115	pg/g	2500	2660	18000	4370	3490	2710	4250	3550	8980		8010	5350	9820
PCB111	pg/g	7.41	8.61	357	10.9	9.37	7.6	9.58	8.41	41.4		11.1	13.5	62.8
PCB112	pg/g	0.628 U	0.729 U	4750	0.972 U	0.812 U	1.08 U	1.21 U	1.07 U	2.38 U		1.33 U	1.3 U	4 U
PCB114	pg/g	41.9	50	75.3	80	65.2	40.6	60.8	61.6	88.6		126	91.1	80.4
PCB118	pg/g	3110	3410	19600	4740	4160	3570	4230	3910	8740		11200	6430	8110
PCB120	pg/g	29.9	36.7	854	44.7	35.4	33.9	43.9	35.8	185		58.1	59.6	271
PCB121	pg/g	11.9	11.9	879	14.2	9.9	13.4	12.1	9.08	34		11.6	13.9	74.7
PCB122	pg/g	21.3	26.2	61.2	39.1	33.5	21.4	31.1	33.9	50		58.9	48.2	51.2
PCB123	pg/g	57.7	64.6	326	88.5	77.8	68 8	80.6	68.8	114		192	112	93.7
PCB126	pg/g	7 67	9.22	77.7 U	11.1	8.78	6.13	7.96	6.95	13.9		11.8	10.9	17.4
PCB127	pg/g	2.26	4.38 U	56.5	3.5	5.23 U	5.06 U	3.16	2.87 U	6.77		7.63	4.96	8.86
PCB128 & 166	pg/g	425	503	7440	637	581	517	592	516	1330		1260	809	1830
PCB129 & 138 & 160 & 163	pg/g	4720	6290	226000	7280	7480	8310	6640	5750	19200		12300	9630	30600

Table 4-7 Analytical Results for Tissue Samples.

	Location Name	FC014	FC015	FC016	FC017	FC018	FC019	FC020	FC021	FC022	FC023	FC024	FC025	FC026
	X_Easting	7622538	7624540	7627112	7626539	7627554	7629707	7628424	7629263	7633170	7632330	7630848	7631850	7634864
	Y_Northing	706448	705302	705760	703849.6	702741.4	703109	701131	700055	701922.6	700479	699055.6	697559	700368
	Sample ID	LW2-BTFC014	LW2-BTFC015	LW2-BTFC016	LW2-BTFC017	LW2-BTFC018	LW2-BTFC019	LW2-BTFC020	LW2-BTFC021	LW2-BTFC022	LW2-BTFC023	LW2-BTFC024	LW2-BTFC025	LW2-BTFC026
	Sample Date	12/07/2005	12/05/2005	12/05/2005	12/05/2005	12/02/2005	12/02/2005	12/01/2005	12/05/2005	11/29/2005	11/29/2005	12/01/2005	12/02/2005	11/28/2005
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
PCB130	pg/g	250	313	6170	386	337	359	370	312	941		655	550	1460
PCB131	pg/g	44.8	51.9	1140	73.3	62	52	64.9	56.1	170		137	100	247
PCB132	pg/g	1070	1290	29700	1700	1450	1390	1580	1340	4390		2650	2260	7860
PCB133	pg/g	148	193	6580	204	180	194	182	156	617		273	293	943
PCB134 & 143	pg/g	218	259	11200	385	319	317	304	262	959		544	486	1640
PCB135 & 151 & 154	pg/g	2550	2760	110000	3520	2890	3250	3300	2770	10900		4660	4930	23700
PCB136	pg/g	563	553	22200	862	637	706	850	704	2450		1240	1220	4770
PCB137	pg/g	54.2	78.6	1220	88.9	82.9	108	77.5	66.3	190		200	119	281
PCB139 & 140	pg/g	68.6	80.6	1460	106	96.6	83	96.2	84.3	306		202	156	458
PCB141	pg/g	160	222	7570	269	217	318	219	172	656		252	256	1390
PCB142	pg/g	1.02	1.76 U	60.4 U	4.18 U	5.67	8.75 U	0.594 U	2.28 U	1.04 U		3.27 U	0.759 U	4.17 U
PCB144	pg/g	238	283	10100	350	285	279	317	262	875		464	459	1720
PCB145	pg/g	0.994	1.11	61.6	1.76	1.55	1.64	1.7 U	1.34	4.25 U		2.72 U	1.82	5.62
PCB146	pg/g	1210	1560	43300	1730	1560	1690	1570	1350	5230		2400	2440	9350
PCB147 & 149	pg/g	4210	5080	179000	6240	5840	6290	5680	5070	18100		9690	8930	39300
PCB148	pg/g	43.7	48.3	2220	56.6	43.1	53.6	52.8	42.4	221		66.4	83.9	353
PCB150	pg/g	28.8	28.9	1310	37.9	30.2	38.2	39.1	31.6	155		56.3	62.2	338
PCB152	pg/g	11.4	10.3	1390	14.1	11.9	18.8	13.4	10.3	51		25.5	25.6	160
PCB153 & 168	pg/g	9100	11300	561000	12800	10600	18700	10600	10000	40000		23000	17400	57100
PCB155	pg/g	5.76	5.16	477	5.7	5.02	7.73	5.51	4.04	13.4		5.55	5.8	23.3
PCB156 & 157	pg/g	273	311	9210	386	319	338	369	303	992		738	500	1390
PCB158	pg/g	397	524	15200	604	538	606	549	448	1480		1020	779	2870
PCB159	pg/g	18.7 U	24.1	965	23.4	21.6	28.5	20.6	16.6	63.7		24	27.8	135
PCB161	pg/g	0.665 U	1.21 U	41.3 U	2.92 U	1.44 U	6.24 U	0.671 U	1.59 U	0.865 U		2.21 U	0.73 U	2.98 U
PCB162	pg/g	8.63	12.8	46.3 U	14.8	10.5	10.8	13.4	11.2	31.1		21.5	18	38.9
PCB164	pg/g	223	275	8550	338	260	325	316	247	883		455	406	1720
PCB165	pg/g	11.1	14.5	766	14.1	13	16.8	12.5	9.9	45.5		15.2	17.1	84.1
PCB167	pg/g	317	311	9090	401	358	435	332	343	959		925	546	1250
PCB169	pg/g	3.27 U	5.24 U	230 U	6.39 U	5.04 U	6.22 U	4.79 U	5.1 U	14 U		7.59 U	9.79 U	25.7 U
PCB170	pg/g	374	339	18400	427	394	389	394	308	1400		437	521	2560
PCB171 & 173	pg/g	485	452	26200	569	561	551	509	441	1620		684	786	3170
PCB172	pg/g	49.1	54.6	2420	57.1	53.7	55.3	52.4	38.4	175		53.4	69.2	315
PCB174	pg/g	441	459	17700	502	473	634	442	356	1360		533	647	2980
PCB175	pg/g	85.9	96.3	4970	93	97.7	99.5	84.8	71	261		102	128	529
PCB176	pg/g	239	243	12300	301	276	314	277	237	789		365	444	1640
PCB177	pg/g	1020	965	52400	1210	1320	1180	1130	965	3450		1510	1780	5950
PCB178	pg/g	552	662	25900	627	700	732	601	498	1730		767	949	3250
PCB179	pg/g	813	849	41900	1050	971	1110	967	825	2710		1320	1550	5490
PCB180 & 193	pg/g	2150	2120	89400	2130	2320	3160	1970	1780	6950		2790	3260	11600
PCB181	pg/g	15	16.2	475	31.2	68.6	9.17	11.4	9.13	26.3		15.6	12.2	45.1
PCB182	pg/g	5.66	7.84	268	7.03	7.6	10.3	6.79	5.28	25.1		8.49	11.7	44.8
PCB183 & 185	pg/g	1170	1380	64400	1380	1450	1560	1320	1100	4040		1580	1920	8250
PCB184	pg/g	3.59	4.09	59.4	4.54	4.79	4.4	3.82	2.92	7.03		4.16 U	4.28	8.98
PCB186	pg/g	0.634 U	0.661 U	2.64 U	0.648 U	1.28	0.664 U	0.64 U	0.636 U	0.825 U		0.648 U	0.697 U	0.667 U
PCB187	pg/g	2940	3590	105000	3370	4040	4050	3290	2790	9440		4130	4990	13800
PCB188	pg/g	8.81	9.71	433	11.1	10.1	11.9	10.7	8.34	38.8		14.8	16.6	57.8
PCB189	pg/g	11.2	11.6	736	14.5	12.6	13.1	13.2	10.1	50.7		14.9	17.9	92.2
PCB190	pg/g	303	276	18500	349	334	367	312	280	1010		398	456	1830
PCB191	pg/g	47.5	48.8	3060	55	52.2	52.1	49.2	40.6	162		57.4	68.6	320
PCB192	pg/g	1.48 U	1.54 U	2.76 U	1.51 U	1.55 U	1.54 U	1.49 U	1.48 U	1.92 U		1.51 U	1.62 U	1.55 U
PCB194	pg/g	44.3	46	2490	63.2	47.7	55.2	63.5	47.3	202		53.9	77.9	286
PCB195	pg/g	157	152	10100	201	182	203	181	164	531		207	278	895
PCB196	pg/g	119	124	6870	124	118	148	118	99.4	335		123	182	690
PCB197 & 200	pg/g	68	76.4	4130	75.9	78.8	86.2	72.1	60.3	195		77.7	112	369

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC014	FC015	FC016	FC017	FC018	FC019	FC020	FC021	FC022	FC023	FC024	FC025	FC026
	X_Easting	7622538	7624540	7627112	7626539	7627554	7629707	7628424	7629263	7633170	7632330	7630848	7631850	7634864
	Y_Northing	706448	705302	705760	703849.6	702741.4	703109	701131	700055	701922.6	700479	699055.6	697559	700368
	Sample ID	LW2-BTFC014	LW2-BTFC015	LW2-BTFC016	LW2-BTFC017	LW2-BTFC018	LW2-BTFC019	LW2-BTFC020	LW2-BTFC021	LW2-BTFC022	LW2-BTFC023	LW2-BTFC024	LW2-BTFC025	LW2-BTFC026
	Sample Date	12/07/2005	12/05/2005	12/05/2005	12/05/2005	12/02/2005	12/02/2005	12/01/2005	12/05/2005	11/29/2005	11/29/2005	12/01/2005	12/02/2005	11/28/2005
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam	field clam
Chemical Name	Unit													
PCB198 & 199	pg/g	250	260	10100	254	239	337	243	198	628		234	356	1120
PCB201	pg/g	122	140	7300	132	139	143	125	112	313		154	215	571
PCB202	pg/g	265	265	8040	311	277	308	311	266	672		371	484	887
PCB203	pg/g	462	482	20000	473	482	585	441	405	1130		533	708	1990
PCB204	pg/g	0.517 J	0.629 U	5.92	0.849 U	1.56	0.235 U	0.419 J	0.3 J	0.59 J		0.3 U	0.379 U	0.84
PCB205	pg/g	23.4	24.3	1710	29.8	29.1	29.2	26.2	23.3	76		30.1	40.8	129
PCB206	pg/g	71.7	77.4	1660	91.6	95	72.7	79.7	71.5	173 J		73.2	109	185
PCB207	pg/g	15.8	16.6	396	17.8	21	14.6	16	13.7	32.7 J		14.3	21.6	38.9
PCB208	pg/g	34.8	36.2	400	41.9	41.3	35.7	42.4	36.8	74.5		37.1	60.8	80.1
PCB209	pg/g	51.4	49.4	52.3	62.9	72.1	35.2	55.9	53.3	73		42.3	85.2	47.1
Polychlorinated biphenyls	pg/g	70600	78200	2660000	111000	91000	97000	99000	90100	240000		183000	155000	386000
Monochlorobiphenyl homologs	pg/g	5.32	5.44	50.8 J	11.2		4.28	9.54	4.51	10		14.2	10	5.39 J
Dichlorobiphenyl homologs	pg/g	552	589 J	49300 J	1160	399 J	1130	995	718	882		2530	1710	690 J
Trichlorobiphenyl homologs	pg/g	2100	2170 J	114000	5320	1630 J	3200	4340	4540	3010		11300	9450	3270 J
Tetrachlorobiphenyl homologs	pg/g	9660	9820	279000	21300	14600 J	10800	17000	17500	20800		30500	29200	34700
Pentachlorobiphenyl homologs	pg/g	19500	19800	382000	30900	25100	21100	29200	25600	64900		58800	41500	87100
Hexachlorobiphenyl homologs	pg/g	26400	32400	1270000	38600	34200	44400	34200	30400	111000		63200	52500	191000
Heptachlorobiphenyl homologs	pg/g	10700	11600	485000	12200	13200	14300	11400	9770	35200		14800	17600	62000
Octachlorobiphenyl homologs	pg/g	1510	1570	70800	1660	1590	1900	1580	1370	4080		1780	2460	6940
Nonachlorobiphenyl homologs	pg/g	122	130	2450	151	157	123	138	122	280		125	191	304

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC0271	FC028	FC029	FC030	FC031	FC032	FC033	BT001	BT002	BT003	BT004	BT005	BT0061
	X_Easting	7634486	7633319	7635858	7635830	7637348	7637267	7639804	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716
	Y_Northing	698226.1	696794.5	699170	695325.5	696152.8	694072.1	694669	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807
	Sample ID	LW2-BTFC027 Rep 1	LW2-BTFC028	LW2-BTFC029	LW2-BTFC030	LW2-BTFC031	LW2-BTFC032	LW2-BTFC033	LW2-BTLC001	LW2-BTLC002	LW2-BTLC003	LW2-BTLC004	LW2-BTLC005	LW2-BTLC006-1
	Sample Date	11/30/2005	12/01/2005	11/28/2005	11/30/2005	11/30/2005	11/29/2005	11/30/2005	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
Total solids	percent	11.8 T	14.2		15.3	15.3			7.4	8.4	6.3	6.2	6.4	6.8
Lipids	percent	2.09 T	4.63	3.05	2.86	2.51	3.9	1.7	0.769	0.862	0.77	0.683	0.759	0.847
Aluminum	mg/kg	76.5 JT	51.8		171	143			31.7	53.5	15	16.1	52.1	27.4
Antimony	mg/kg	0.001 JT	0.002 J		0.003 J	0.002 J			0.0007 U	0.0035 U	0.0007 U	0.0005 U	0.001 U	0.0009 U
Arsenic	mg/kg	0.868 JT	0.924		0.902	1.02			0.458	0.502	0.411	0.393	0.405	0.424
Cadmium	mg/kg	0.0622 JT	0.0925		0.0641	0.0658			0.0521	0.0643	0.0497	0.0485	0.0463	0.049
Chromium	mg/kg	0.71 T	0.61		0.92	0.94			0.19	0.47	0.17	0.15	0.17	0.18
Copper	mg/kg	8.42 T	9.24		9.03	9.51			3.93 J	4.6 J	3.67 J	3.52 J	3.45 J	4.16 J
Lead	mg/kg	0.054 T	0.113		0.097	0.076			0.048	0.221	0.043	0.038	0.052	0.069
Mercury	mg/kg	0.008 JT	0.011 J		0.009 J	0.012 J			0.0096	0.0121	0.0091	0.0091	0.0104	0.0098
Nickel	mg/kg	0.313 JT	0.292 J		0.485 J	0.336 J			0.14 J	0.213 J	0.159 J	0.126 J	0.136 J	0.188 J
Selenium	mg/kg	0.0995 JT	0.137		0.11	0.088			0.176	0.184	0.183	0.176	0.15	0.173
Silver	mg/kg	0.0792 T	0.053		0.0681	0.101			0.0124	0.0135	0.0102	0.0101	0.0099	0.0109
Zinc	mg/kg	32.4 T	40.1		39.6	38.3			13.1	14.8	12.2	11.1	11.6	12.5
Butyltin ion	µg/kg	2.5 T	1 U		1.1 U	0.37 U			0.061 U	0.12 U	0.15 U	0.14 U	0.33 U	0.18 U
Dibutyltin ion	µg/kg	2.05 T	1.7		1.1	1.5			0.49 U	0.48 U	0.49 U	0.42 U	0.55 U	0.55 U
Tributyltin ion	µg/kg	3.5 T	2.7 U		2.5 U	1.8 U			1.4 U	1.6 U	1 U	1.3 U	3.6	2.7 U
Tetrabutyltin	µg/kg	0.067 UT	0.067 U		0.067 U	0.067 U			0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U
2-Methylnaphthalene	µg/kg	1.3 T	2		1.8	1.7		1.6 J	1.1	0.54 U	0.94 J	0.81 U	0.76 U	0.87 U
Acenaphthene	µg/kg	0.22 JT	1.6		3.4	0.61		1.1	0.33 J	0.31 J	0.27 J	0.25 J	0.23 J	0.29 J
Acenaphthylene	µg/kg	0.28 JT	1.6		0.89	0.092 U		0.19 U	0.44 J	0.28 J	0.25 J	0.34 J	0.52	0.31 J
Anthracene	µg/kg	1.25 T	4.5		4.1	1.7		1.2	0.87	1.2	0.89	1.1	1.1	0.93
Fluorene	µg/kg	0.965 T	3.4		5.2	1.4		1.7	0.7	0.83	0.6	0.55	0.65	0.68
Naphthalene	µg/kg	0.97 UT	1.5 U		1.6 U	1.5 U		1.4 U	1.2 U	0.75 U	1.2 U	0.93 U	1.1 U	1 U
Phenanthrene	µg/kg	4.1 T	15		19	6		5.7	5	6.1	3.9	4	4	4.4
Low Molecular Weight PAH	µg/kg	8.12 JT	28.1 T		34.4 T	11.4 T		11.3 JT						
Dibenzo(a,h)anthracene	µg/kg	0.11 UT	0.11 U		0.11 U	0.11 U		0.22 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U
Benzo(a)anthracene	µg/kg	2.95 T	14		8.4	4.7		5.9	0.78	1.3	1.1	0.98	1.6	1.1
Benzo(a)pyrene	µg/kg	1.4 T	2.6		1.9	1.8		1.8	0.51	0.64	0.57	0.52	0.76	0.64
Benzo(b)fluoranthene	µg/kg	0.955 T	4.6		2	1.5		2.3	0.15 U	0.81	0.66	0.38 J	1.5	0.99
Benzo(g,h,i)perylene	µg/kg	0.485 JT	1.3		0.71	0.79		0.8 J	0.22 J	0.37 J	0.34 J	0.18 J	0.68	0.37 J
Benzo(k)fluoranthene	µg/kg	0.47 JT	2		1	0.68		1.3	0.13 U	0.35 J	0.36 J	0.17 J	0.7	0.46 J
Chrysene	µg/kg	5.1 T	21		12	7.4		10	2.5	3.7	2.7	2.5	4.9	3.9
Fluoranthene	µg/kg	7.85 T	38		29	11		13	7.3	14	6.3	8.7	9.5	7.3
Indeno(1,2,3-cd)pyrene	µg/kg	0.16 UT	0.9		0.16 U	0.16 U		0.32 U	0.16 U	0.16 U	0.21 J	0.16 U	0.27 J	0.16 U
Pyrene	µg/kg	6.9 T	34		21	9.5		12	8.7	17	8.4	11	16	13
High Molecular Weight PAH	µg/kg	26.1 JT	118 T		76 T	37.4 T		47.1 JT						
Polycyclic Aromatic Hydrocarbons	µg/kg	34.2 JT	147 T		110 T	48.8 T		58.4 JT						
1,2,4-Trichlorobenzene	µg/kg	9.9 UT	9.9 U		11 U	9.9 U			9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
1,2-Dichlorobenzene	µg/kg	12 UT	12 UJ		13 UJ	12 UJ			12 U	12 U	12 U	12 U	12 U	12 U
1,3-Dichlorobenzene	µg/kg	11 UT	11 UJ		12 UJ	11 UJ			11 U	11 U	11 U	11 U	11 U	11 U
1,4-Dichlorobenzene	µg/kg	11 UT	11 UJ		12 UJ	11 UJ			11 U	11 U	11 U	11 U	11 U	11 U
Benzyl alcohol	µg/kg	13.5 JT	18 J		18 J	18 J			12 J	20 J	6.8 J	6.7 U	6.8 J	8.6 J
Dibenzofuran	µg/kg	0.5 JT	0.071 U		2.5	0.54		1.2	0.37 J	0.41 J	0.33 J	0.24 J	0.29 J	0.34 J
Hexachlorobenzene	µg/kg	0.436 T	0.84	0.758	0.672	0.601	0.839 J	0.378	0.0377 J	0.0455 J	0.0399 J	0.0364 J	0.0389 J	0.0428 J
Hexachlorobutadiene	µg/kg	0.00344 JT	8.5 U		9 U	0.00396 U			0.00423 J	8.5 U	0.00719 J	8.5 U	8.5 U	8.5 U
Hexachloroethane	µg/kg	8.5 UT	8.5 U		9 U	8.5 U			8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
N-Nitrosodiphenylamine	µg/kg	9.5 UT	9.5 U		10 U	9.5 U			9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
Dimethyl phthalate	µg/kg	5.1 UT	5.1 U		5.4 U	5.1 U			5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Diethyl phthalate	µg/kg	11 UT	13 U		17 U	13 U			9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dibutyl phthalate	µg/kg	16 UT	16 U		17 U	16 U			200 U	210 U	160 U	170 U	170 U	180 U
Butylbenzyl phthalate	µg/kg	14 UT	14 U		15 U	14 U			14 U	14 U	14 U	14 U	14 U	14 U
Di-n-octyl phthalate	µg/kg	13 UT	13 U		14 U	13 U			13 U	13 U	13 U	13 U	13 U	13 U
Bis(2-ethylhexyl) phthalate	µg/kg	53 UT	53 U		56 U	53 U			100 J	76 J	120 J	69 J	75 J	130 J

Table 4-7. Analytical Results for Tissue Samples.

Location Name		FC027I	FC028	FC029	FC030	FC031	FC032	FC033	BT001	BT002	BT003	BT004	BT005	BT0061
X_Easting		7634486	7633319	7635858	7635830	7637348	7637267	7639804	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716
Y_Northing		698226.1	696794.5	699170	695325.5	696152.8	694072.1	694669	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807
Sample ID		LW2-BTFC027 Rep 1	LW2-BTFC028	LW2-BTFC029	LW2-BTFC030	LW2-BTFC031	LW2-BTFC032	LW2-BTFC033	LW2-BTLC001	LW2-BTLC002	LW2-BTLC003	LW2-BTLC004	LW2-BTLC005	LW2-BTLC006-1
Sample Date		11/30/2005	12/01/2005	11/28/2005	11/30/2005	11/30/2005	11/29/2005	11/30/2005	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006
Species		field clam	field clam	field clam	field clam	field clam	field clam	field clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
2,4-Dimethylphenol	µg/kg	13 UT	13 U		14 U	13 U			13 U	13 U	13 U	13 U	13 U	13 U
2-Methylphenol	µg/kg	53 UT	53 U		56 U	53 U			53 U	53 U	53 U	53 U	53 U	53 U
4-Methylphenol	µg/kg	15 UT	15 U		16 U	15 U			15 U	15 U	15 U	15 U	15 U	15 U
Pentachlorophenol	µg/kg	R	R		R	R			31 U	31 U	31 U	31 U	31 U	31 U
Phenol	µg/kg	17 UT	17 U		18 U	17 U			17 U	17 U	17 U	17 U	180	17 U
2,4'-DDD	µg/kg	0.485 T	5.65	1.48	0.881	0.507	1.05 J	0.394	0.171 J	0.155 J	0.157 J	0.136 J	0.308	0.208 J
2,4'-DDE	µg/kg	0.141 JT	3.08	0.394	0.319	0.146 J	0.264 J	0.0978 J	0.0348 U	0.0347 U	0.0145 J	0.0134 J	0.0235 J	0.0204 J
2,4'-DDT	µg/kg	0.177 JT	0.353	0.29	0.257	0.267	0.486 J	0.167 J	0.0211 U	0.023 J	0.025 J	0.0225 J	0.0292 J	0.0274 J
4,4'-DDD	µg/kg	2.23 T	24	6.6	3.93	2.47	4.79 J	1.76	0.595	0.525	0.418	0.375	0.935	0.624
4,4'-DDE	µg/kg	6.13 T	63.7	10.3	12.5	7.84	9.21	4.79	0.77	0.778	0.535	0.513	0.625	0.612
4,4'-DDT	µg/kg	0.634 T	1.28	0.952	0.964	0.994	1.77 J	0.611	0.0945 J	0.102 J	0.0812 J	0.071 J	0.0729 J	0.0888 J
Total of 4,4'-DDD, -DDE, -DDT	µg/kg	8.99 T	89 T	17.9 T	17.4 T	11.3 T	15.8 JT	7.16 T						
Aldrin	µg/kg	0.135 JT	5.07	0.378 J	0.37	0.172 J	0.353 J	0.126 J	0.0189 J	0.0232 J	0.0118 J	0.0163 J	0.0169 J	0.0176 J
alpha-Hexachlorocyclohexane	µg/kg	0.00682 JT	0.0128 J	0.0205 J	0.0153 J	0.00787 U	1.06 U	0.00743 J	0.00951 U	0.00885 U	0.00721 J	0.0113 J	0.00644 J	0.0136 J
beta-Hexachlorocyclohexane	µg/kg	0.0419 UT	0.0416 U	0.0445 U	0.0423 U	0.0409 U	0.698 U	0.0445 U	0.0415 U	0.0414 U	0.00343 J	0.0045 U	0.00131 J	0.00629 J
delta-Hexachlorocyclohexane	µg/kg	0.00102 JT	0.00171 J	0.0192 U	0.0184 U	0.00111 J	0.304 U	0.0192 U	0.001 U	0.001 U	0.007 U	0.00315 U	0.00186 U	0.00377 UJ
gamma-Hexachlorocyclohexane	µg/kg	0.0495 JT	0.0809 J	0.0784 J	0.0662 J	0.0747 J	0.511 U	0.0474 J	0.0502 U	0.0534 J	0.0314 J	0.0556 J	0.0391 J	0.0576 J
cis-Chlordane	µg/kg	0.691 T	5.12	1.89	1.26	0.88	1.67 J	0.716	0.569	0.82	0.554	0.48 J	0.461	0.621
trans-Chlordane	µg/kg	0.485 JT	5.57	1.5	0.944	0.602	1.43 J	0.556	0.337 J	0.455	0.318 J	0.295 J	0.312 J	0.36 J
Oxychlordane	µg/kg	0.0552 JT	0.099 J	0.101 J	0.0851 J	0.081 J	1.13 U	0.0559 U	0.0451 U	0.0689 J	0.0427 U	0.042 J	0.0387 J	0.0476 J
cis-Nonachlor	µg/kg	0.319 JT	1.08	0.759	0.508	0.403 J	0.719 J	0.284 J	0.342 J	0.405 J	0.262 J	0.257 J	0.27 J	0.319 J
trans-Nonachlor	µg/kg	0.915 T	4.15	2.06	1.45	1.22	1.93 J	0.873	0.877	1.13	0.782	0.739	0.731	0.884
Total Chlordanes	µg/kg	2.47 JT	16 JT	6.31 JT	4.25 JT	3.19 JT	5.75 JT	2.43 JT						
Dieldrin	µg/kg	0.617 T	2.62	1.07	0.922	0.875	1.12 J	0.566	0.16 J	0.201	0.155 J	0.141 J	0.14 J	0.179
alpha-Endosulfan	µg/kg	0.114 JT	0.224	0.244	0.152 J	0.16 J	0.437 U	0.106 J	0.0239 U	0.0238 U	0.0462 U	0.0238 U	0.0237 U	0.025 U
beta-Endosulfan	µg/kg	0.143 JT	0.248	0.262	0.173 J	0.196	0.622 U	0.135 J	0.0616 U	0.0614 U	0.119 U	0.0613 U	0.0611 U	0.059 U
Endosulfan sulfate	µg/kg	0.573 T	1	0.895	0.735	0.782	0.872 J	0.555	0.029 U	0.027 U	0.033 U	0.0203 J	0.0198 U	0.0287 U
Endrin	µg/kg	0.00645 JT	0.0635 J	0.0195 J	0.00631 J	0.00817 J	0.0545 J	0.00538 U	0.0255 U	0.0254 U	0.0493 U	0.0254 U	0.0253 U	0.0244 U
Endrin aldehyde	µg/kg	0.0192 UT	0.019 U	0.0202 U	0.0193 U	0.0184 U	0.319 U	0.0202 U	0.0191 U	0.0191 U	0.037 U	0.0191 U	0.019 U	0.0183 U
Endrin ketone	µg/kg	0.00183 JT	0.00464 J	0.00386 J	0.0022 U	0.00248 U	0.664 U	0.042 U	0.0398 U	0.0397 U	0.0771 U	0.0397 U	0.0395 U	0.0382 U
Heptachlor	µg/kg	0.00927 JT	0.0533 J	0.0128 U	0.0162 J	0.0126 U	0.059 U	0.00996 U	0.0211 J	0.0271 U	0.0201 J	0.0189 J	0.0206 J	0.0196 U
Heptachlor epoxide	µg/kg	0.0446 JT	0.0858 J	0.0767 J	0.0637 J	0.0612 J	0.0893 J	0.0373 J	0.023 J	0.026 J	0.017 U	0.0194 J	0.0181 J	0.0208 J
Methoxychlor	µg/kg	0.0186 UT	0.022 U	0.0243 U	0.0177 U	0.0305 U	0.107 U	0.019 U	0.0191 U	0.019 U	0.008 U	0.00513 U	0.00494 U	0.0183 U
Chlordane (cis & trans)	µg/kg	1.18 JT	10.7 T	3.39 T	2.2 T	1.48 T	3.1 JT	1.27 T						
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.116 UT	1.05 U	0.299 U	0.224 U	0.175 U	0.974 U	0.138 U	0.065 U	0.051 J	0.071 U	0.058 U	0.086 U	0.088 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.161 JT	0.31 J	0.448 J	0.218 J	0.197 J	1.96 U	0.146 J	0.081 U	0.075 U	0.114 U	0.117 U	0.116 U	0.061 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.086 JT	0.179 J	0.248 J	0.156 J	0.106 U	2.77 U	0.085 J	0.071 U	0.08 J	0.161 U	0.165 U	0.165 U	0.159 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.37 JT	0.947 J	1.25	0.625 J	0.468 J	1.82 J	0.385 J	0.145 J	0.115 J	0.083 U	0.077 J	0.101 U	0.088 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.138 JT	0.354 J	0.539 J	0.24 J	0.211 J	0.939 J	0.156 J	0.095 J	0.073 U	0.0921 U	0.054 J	0.0944 U	0.074 U
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2 T	8.82	9.32	4.42	2.75	16.1 J	2.37	0.352 U	0.63 J	0.26 U	0.29 U	0.546 U	0.414 U
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.581 T	1.28	1.28	0.875	0.654	0.833 U	0.343	0.305 U	0.289	0.122 U	0.166 J	0.162 J	0.246 U
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.058 UT	0.113 J	0.211 J	0.086 J	0.057 J	2.27 U	0.144 U	0.073 U	0.079 U	0.054 U	0.057 U	0.051 U	0.077 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.157 JT	0.364 J	0.564 J	0.238 J	0.165 J	1.67 U	0.132 J	0.117 U	0.178 U	0.093 U	0.095 U	0.075 U	0.11 U
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.066 JT	0.161 J	0.397 J	0.131 J	0.084 J	1.82 U	0.075 U	0.09 J	0.093 J	0.048 U	0.109 U	0.108 U	0.056 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0942 UT	0.095 J	0.146 U	0.065 U	0.0904 U	1.57 U	0.099 U	0.07 U	0.05 J	0.0909 U	0.0935 U	0.0932 U	0.0899 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.133 UT	0.132 U	0.14 U	0.134 U	0.128 U	2.22 U	0.14 U	0.069 J	0.069 J	0.129 U	0.132 U	0.132 U	0.052 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.086 JT	0.121 J	0.165 U	0.088 J	0.095 J	1.84 U	0.081 U	0.11 U	0.099 U	0.065 U	0.059 U	0.063 U	0.082 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.432 JT	1.46	1.98	0.754 J	0.538 J	3.77 J	0.471 J	0.142 U	0.18 U	0.075 U	0.106 U	0.135 U	0.181 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.133 UT	0.089 J	0.128 U	0.133 U	0.127 U	2.2 U	0.139 U	0.088 U	0.061 U	0.128 U	0.132 U	0.131 U	0.127 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	5.02 T	11	7.96	7.32	6.07	5.82	4.09	0.608	0.611	0.452	0.437	0.553	0.572
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.821 T	2.11	2.5	1.4	1.14	1.96 U	0.299	0.117 U	0.117 U	0.114 U	0.054	0.116 U	0.128
Hexachlorodibenzo-p-dioxin homologs	pg/g	1.88 T	4.83	5.99	3.25	2.31	7.22	1.79	0.378	0.365	0.081	0.21	0.33	0.159 U
Heptachlorodibenzo-p-dioxin homologs	pg/g	4.18 T	16.6	18.8	9.2	5.05	30.1	4.85	0.516	1.53	0.278	0.29	1.42	0.98
Octachlorodibenzo-p-dioxin	pg/g	12.6 T	97	50.6	30.3	15.3	95.4	13.1	2.8	4.96	2.38	2.12 J	5.91	3.34

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC0271	FC028	FC029	FC030	FC031	FC032	FC033	BT001	BT002	BT003	BT004	BT005	BT0061
	X_Easting	7634486	7633319	7635858	7635830	7637348	7637267	7639804	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716
	Y_Northing	698226.1	696794.5	699170	695325.5	696152.8	694072.1	694669	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807
	Sample ID	LW2-BTFC027 Rep 1	LW2-BTFC028	LW2-BTFC029	LW2-BTFC030	LW2-BTFC031	LW2-BTFC032	LW2-BTFC033	LW2-BTLC001	LW2-BTLC002	LW2-BTLC003	LW2-BTLC004	LW2-BTLC005	LW2-BTLC006-1
	Sample Date	11/30/2005	12/01/2005	11/28/2005	11/30/2005	11/30/2005	11/29/2005	11/30/2005	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
Tetrachlorodibenzofuran homologs	pg/g	5.53 T	15.4	16.8	8.78	6.36	7.35	4.05	1.32	2.46	1.04	0.888	1.49	1.89
Pentachlorodibenzofuran homologs	pg/g	2.19 T	6.84	8.23	3.44	2.75	3.23	1.62	0.198	0.643	0.415	0.154	0.29	0.875
Hexachlorodibenzofuran homologs	pg/g	1.43 T	4.35	7.32	2.69	1.74	3.28	1.48	0.308	0.67	0.185	0.241	0.57	0.419
Heptachlorodibenzofuran homologs	pg/g	1.28 T	5.43	6.64	2.32	1.56	10.1	1.41	0.188	0.334	0.128 U	0.132 U	0.31	0.193
Octachlorodibenzofuran	pg/g	0.801 JT	7.4	4.05	1.51 J	0.994 J	8.46 J	0.939 J	0.25 U	0.45 U	0.13 U	0.09 J	0.245 U	0.206 J
Aroclor 1016	pg/g	0.811 UT	15.2 U	1.83 U	0.993 U	0.811 U	45.4 U	1.72 U	1.03 U	0.878 U	1.02 U	1.99 U	1.36 U	1.22 U
Aroclor 1221	pg/g	0.421 UT	0.707 U	0.95 U	0.514 U	0.283 U	23.6 U	0.892 U	0.535 U	0.455 U	0.53 U	1.03 U	0.704 U	0.633 U
Aroclor 1232	pg/g	0.206 UT	0.26 U	0.374 U	0.469 U	0.3 U	18.8 U	1.18 U	0.444 U	0.289 U	0.441 U	0.946 U	0.813 U	0.549 U
Aroclor 1242	pg/g	3240 NJT	102000 NJ	3740 NJ	11500 NJ	2870 NJ	24100 NJ	4100 NJ	11400 NJ	19600 NJ	7180 NJ	7570 NJ	7840 NJ	8850 NJ
Aroclor 1248	pg/g	3.13 UT	395 U	7.14 U	13.1 U	5.66 U	43.6 U	16.8 U	7.04 U	31.5 U	3.51 U	1.95 U	3.84 U	3.29 U
Aroclor 1254	pg/g	24600 NJT	154000 NJ	107000 NJ	58500 NJ	22900 NJ	95800 NJ	16900 NJ	10200 NJ	29400 NJ	5870 NJ	5480 NJ	6930 NJ	10400 NJ
Aroclor 1260	pg/g	14400 NJT	43000 NJ	78200 NJ	36800 NJ	14300 NJ	123000 NJ	9230 NJ	3300 NJ	4480 NJ	2790 NJ	2830 NJ	2840 NJ	3540 NJ
Aroclors	pg/g	42200 JT	299000 JT	189000 JT	107000 JT	40100 JT	243000 JT	30200 JT						
PCB001	pg/g	10.5 JT	20.7		11.6	3.17	68.3 J		148	144	120		107 J	126
PCB002	pg/g	1.62 T	3.06		2.45	1.79	6.62 J	1.31 J	10.4	11.7	9.11	7.03 J	9.22 J	9.14
PCB003	pg/g	1.42 UT	6.88		2.86 U	1.44	41.4 J	2.16 J	48	52.4	37.8	28.8 J	32.9	39.5
PCB004	pg/g	8060 JT	1670		658	479	2180 J	718 J	803	1140	664 J	749 J	722 J	787 J
PCB005	pg/g	0.769 T	21.6	0.775 UJ	5.9	1.2	19.2 UJ	0.895 J	36.5	35.8	26.5 J	26.7 J	28.3 J	28.7 J
PCB006	pg/g	52.9 JT	505	18.6 J	145	26.3	698 J	48.8 J	312	318	227 J	238 J	240 J	246 J
PCB007	pg/g	3.21 JT	20.2	1.25 J	3.97	1.05	18.1 J	1.66 J	67.7	77.3	42 J	37.5 J	41.6 J	46.4 J
PCB008	pg/g	69.4 JT	1260	34.8 J	265	48.8	1010 J	105 J	1690	1860	1040 J	1070 J	1110 J	1180 J
PCB009	pg/g	3.48 JT	36.1	1.79 J	6.14	1.66	47.3 J	1.99 J	86.3	96.4	59.5 J	48 J	54.1 J	58.2 J
PCB010	pg/g	90.5 JT	24.2	3.43 J	8.55	6.71	24.1 J	3.61 J	30.6	40.4	17.4 J	15.5 J	19.7 J	22 J
PCB011	pg/g	428 T	460	300 J	597	540	356 J	222 J	269	288	253 J	321 J	260 J	276 J
PCB012 & 013	pg/g	20.3 JT	72.7	14.8 J	25.8	10.8	112 J	19.2 J	60.4	83.4	56.2 J	64.3 J	58 J	66.7 J
PCB014	pg/g	0.75 UT	0.743 U	0.784 UJ	0.755 U	0.72 U	18.4 UJ	0.784 UJ	0.758 U	0.753 U	0.716 UJ	0.869 UJ	0.737 UJ	0.714 UJ
PCB015	pg/g	21.7 T	639	57.6 J	103	24.6	671 J	63.1	411	595	309	332	335	425
PCB016	pg/g	158 T	5570	156 J	719	165	685 J	193 J	292	401	210	234	235	258
PCB017	pg/g	2510 JT	6190	440 J	1030	400	1320 J	294 J	424	623	246	243	260	277
PCB018 & 030	pg/g	520 JT	11900	353 J	1430	375	1870 J	357 J	713	994	457	455	486	525
PCB019	pg/g	4990 JT	899	648 J	379	391	1580 J	274 J	104	249	77.1	86.2	102	116
PCB020 & 028	pg/g	285 JT	11200	520 J	1230	308	2620 J	555 J	805	2270	502	559	570	702
PCB021 & 033	pg/g	124 JT	5450	220 J	641	117	1250 J	195 J	308	442	241	278	271	317
PCB022	pg/g	144 T	6490	188 J	980	182	986 J	218 J	245	468	198	225	225	258
PCB023	pg/g	0.788 UT	8.21	0.823 UJ	0.842	0.756 U	13 UJ	0.361 UJ	0.97	0.985	0.72	0.775 U	0.697	0.819
PCB024	pg/g	0.717 UT	0.71 U	0.749 UJ	0.721 U	0.688 U	16 J	0.749 UJ	10.2	11.8	7.22	5.84	6.39	6.66
PCB025	pg/g	132 JT	910	146 J	167	58.4	458 J	68.1 J	57.5	133	36.8	39.1	51.3	50.8
PCB026 & 029	pg/g	89.9 JT	1840	102 J	238	63.9	835 J	99.6 J	100	239	79.3	82.3	106	98.9
PCB027	pg/g	999 JT	1230	217 J	243	168	386 J	168 J	65.5	140	39.2	42.4	46.7	53
PCB031	pg/g	207 JT	9640	338 J	912	224	2510 J	350 J	581	1410	399	434	443	538
PCB032	pg/g	246 JT	2170	176 J	305	88.1	710 J	114 J	198	595	114	121	136	161
PCB034	pg/g	1.94 JT	57.2	3.07 J	5.25	1.32	16 J	2.39 J	3.34	7.78	1.56	1.39	1.67	1.85
PCB035	pg/g	7.59 T	99.7	14.7 J	20.2	8.56	41.4 J	8.56 J	8.08	15	6.85	8.13	9.29	10.5
PCB036	pg/g	2.04 T	0.827 U	3.55 J	2.84	2.65 U	11.7 UJ	1.65 J	1.67	1.78 U	1.81	1.8	1.77	1.77
PCB037	pg/g	67.6 T	2500	157	365	80.4	646	116	86.9	371	41.9	50.5	66	93.7
PCB038	pg/g	1.06 T	15	2.9 J	3.14 U	0.561 U	6.19 J	1.35 J	0.512 U	2.88 U	0.558 U	0.56 U	0.282 U	0.367 U
PCB039	pg/g	4.82 T	149	12.4 J	20.8	5.36	25.2 J	6.83 J	0.58 U	0.577 U	2.12 U	2.33	3.06 U	3.54
PCB040 & 041 & 071	pg/g	644 JT	7590	1360 J	1290	427	2160 J	420	340	2070	74.8	94.3	151	207
PCB042	pg/g	389 T	7240	807 J	1260	408	1080 J	354	293	1020	128	136	169	202
PCB043	pg/g	12.5 JT	582	41 J	61.9	17.8	82.1 J	23.8	23.6	143	6.21	6.92	10	13.1
PCB044 & 047 & 065	pg/g	2840 JT	21100	5820 J	4170	1730	9560 J	1500	894	3930	313	340	470	541
PCB045 & 051	pg/g	1130 JT	2730	1560 J	619	305	2340 J	186	124	705	36.2	40.2	65	83.7
PCB046	pg/g	35.9 JT	534	62.3 J	63.7	21.4	157 J	22.5	33	222	8.26	9.93	17.1	25.8
PCB048	pg/g	152 T	4700	248 J	632	164	524 J	152	122	568	53.7	55.3	70	85.1

Table 4-7. Analytical Results for Tissue Samples.

Chemical Name	Location Name	FC0271	FC028	FC029	FC030	FC031	FC032	FC033	BT001	BT002	BT003	BT004	BT005	BT0061
	X_Easting	7634486	7633319	7635858	7635830	7637348	7637267	7639804	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716
	Y_Northing	698226.1	696794.5	699170	695325.5	696152.8	694072.1	694669	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807
	Sample ID	LW2-BTFC027 Rep 1	LW2-BTFC028	LW2-BTFC029	LW2-BTFC030	LW2-BTFC031	LW2-BTFC032	LW2-BTFC033	LW2-BTLC001	LW2-BTLC002	LW2-BTLC003	LW2-BTLC004	LW2-BTLC005	LW2-BTLC006-1
	Sample Date	11/30/2005	12/01/2005	11/28/2005	11/30/2005	11/30/2005	11/29/2005	11/30/2005	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
	Unit													
PCB049 & 069	pg/g	1490 JT	9020	2610 J	1800	718	5060 J	552	415	2530	103	109	200	216
PCB050 & 053	pg/g	2320 JT	3350	1810 J	950	779	2170 J	408	131	567	42.3	45.1	68.5	83.4
PCB052	pg/g	1900 JT	14400	3240 J	2690	1170	4620 J	836	657	3900	205	211	371	492
PCB054	pg/g	365 JT	62.3	191 J	38.1	37.1	371 J	30.4	4.89	11.5	2.68	3.1	5.54	3.73
PCB055	pg/g	1.94 UT	4.01 U	17.3 J	2.38 U	1.86 U	48.4 J	14.9	1.96 U	3.58 U	1.85 U	1.86 U	1.9 U	1.84 U
PCB056	pg/g	232 T	7700	678 J	1160	285	1260 J	295	250	1330	69.4	78.9	103	130
PCB057	pg/g	4.01 JT	87.6	7.95 J	11.5	2.97	21.5 J	5.27	1.53	9.59	0.614	0.577	1.71	1.51
PCB058	pg/g	1.65 UT	44.3	1.72 UJ	2.36 U	1.58 U	27.3 UJ	3 U	1.4	8.44	1.57 U	0.559 U	1.27	1.29
PCB059 & 062 & 075	pg/g	112 JT	1700	252 J	264	90.7	369 J	105	66.9	328	22.1	24.3	36.3	51
PCB060	pg/g	99.1 T	3130	208 J	445	124	494 J	154	121	743	28.6	35.3	45.4	61.8
PCB061 & 070 & 074 & 076	pg/g	1070 T	29000	3120 J	3990	1240	5550 J	1260	847	4690	231	246	379	524
PCB063	pg/g	27.3 JT	733	87.5 J	101	30.2	138 J	34.7	22.9	120	7.1	7.11	10.5	13.2
PCB064	pg/g	194 T	5470	570 J	749	221	1080 J	223	290	1950	59.8	71	110	160
PCB066	pg/g	629 T	17400	1780 J	2420	722	3100 J	733	596	3300	169	191	254	334
PCB067	pg/g	34.5 JT	738	89.9 J	110	32.1	196 J	35.8	14.8	67.1	6.81	6.56	10.1	12.5
PCB068	pg/g	35.4 JT	85.1	113 J	39.5	16	111 J	14	3.84 U	12.3	2.07 U	1.78	4.67	3.48
PCB072	pg/g	27.5 JT	129	73.7 J	41.8	15	88.5 J	14.1	5.41	22.5	1.91 U	1.74	5.88	4.72
PCB073	pg/g	66.1 JT	1.64 U	83.5 J	1.67 U	16.1	127 J	10.8	1.68 U	1.66 U	1.58 U	1.59 U	1.63 U	1.58 U
PCB077	pg/g	56 JT	1270	166	207	66.1	277	68.6	49.2	224	19.6	20.8	24.4	34.5
PCB078	pg/g	1.22 UT	3.86 U	1.36 UJ	2.29 U	1.17 U	20.2 UJ	3.2 U	1.27 U	3.6 U	1.16 U	1.17 U	1.2 U	1.16 U
PCB079	pg/g	38 T	250	158 J	95.7	42.4	110 J	26.7	20.6	42.4	16.6	17.2	19.5	26.1
PCB080	pg/g	1.46 T	3.36 U	2.21 UJ	2.13 U	2.03 U	35 UJ	2.69 U	2.14 U	3.09 U	2.02 U	2.03 U	2.08 U	2.01 U
PCB081	pg/g	1.53 UT	49.8	5.52	8.32 U	3 U	8.56 J	3.06	2.02	8.01	0.747	0.745	1.08	1.06
PCB082	pg/g	108 T	1360	473	358	121	567	108	71.6	355	14.9	16.5	32	71.7
PCB083 & 099	pg/g	1620 JT	9120	7760	3850	1420	7030	1070	574	1510	351	312	400	570
PCB084	pg/g	302 JT	2680	1290	791	306	1270	251	151	792	33.7	36.8	96.3	208
PCB085 & 116 & 117	pg/g	283 T	2390	969	723	300	1050	234	181	608	76.1	78.7	102	168
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	1460 JT	10200	5580	3460	1440	4940	1040	705	2170	383	374	466	725
PCB088 & 091	pg/g	876 JT	2060	2300	878	418	3150	291	108	472	33.3	34.9	65.6	114
PCB089	pg/g	11.5 T	201	41.9	37	11.6	45.5	11.1	10.7	64.6	1.44	1.81	3.49	6.96
PCB090 & 101 & 113	pg/g	2800 JT	15900	13400	7090	2570	14700	1800	860	2200	526	493	642	921
PCB092	pg/g	575 JT	2750	3230	1400	464	3300	385	134	397	66.7	63.9	102	154
PCB093 & 095 & 098 & 100 & 102	pg/g	3660 JT	12300	14000	5760	2750	13000	2030	661	1930	300	317	452	806
PCB094	pg/g	88.2 JT	114	248	51.3	34.6	210	28	5.19	24.5	1.44	1.61	3.49	4.11
PCB096	pg/g	78 JT	112	132	41	25.1	254	18.7	5.77	36.2	1.24	1.44	2.63	4.28
PCB103	pg/g	266 JT	242	563	209	121	753	85.1	6.64	20.3	2.83	2.57	6.8	6.35
PCB104	pg/g	42.1 JT	15.9	63.2	15.1	14.6	81.8	11.7	0.446 J	0.858 U	0.268 J	0.482 U	0.719	0.334 U
PCB105	pg/g	552 T	4980	1740	1540	685	1970	506	388	1020	233	227	260	375
PCB106	pg/g	2.37 UT	1.39 U	4.13 U	4.2 U	2.46 U	12 U	2.48 U	2.35 U	3.24 U	1.36 U	1.61 U	1.68 U	2.34 U
PCB107 & 124	pg/g	53.7 T	463	237	163	64.7	244	47.9	34.5	89.6	23.9	27.7	26.2	38
PCB109	pg/g	172 JT	1120	656	470	170	653	119	65.8	186	44.1	41	54.7	71
PCB110 & 115	pg/g	2050 T	13500	8830	5330	2050	10400	1550	872	2500	440	468	662	1160
PCB111	pg/g	16.9 JT	13.9	36.6	14.2	4.99	45.6	4.69	0.551 U	0.859 U	0.511 U	0.363 U	0.742	0.618 U
PCB112	pg/g	0.638 UT	1.68 U	2.11 U	0.642 U	0.625 U	10.5 U	0.667 U	0.644 U	0.64 U	0.609 U	0.612 U	0.626 U	0.607 U
PCB114	pg/g	32 T	333	88.7	89.4	40.2	106	27.9	20.1	54.5	13.1	13.1	14.5	19.2
PCB118	pg/g	2360 T	16300	7990	6000	2770	7490	1900	1890	2810	1550	1530	1630	2030
PCB120	pg/g	35.6 JT	69.7	169	66.4	22	192	16.5	5.28	6.51	4.38	3.87	5.5	5.59
PCB121	pg/g	33.2 JT	13.9	36.3	15.3	12	64.4	9.49	0.35 U	1.55 U	0.341 U	0.209 U	0.451 U	1.47 U
PCB122	pg/g	15 T	161	62.4	47.8	18.8	71.9	14.4	10.8	39.8	5.45 U	5.25	7.44	10.7
PCB123	pg/g	41.1 T	313	125	104	59.4	116	31.8	43.3	65.2	34.9	33.4	33.8	42.8
PCB126	pg/g	4.76 T	25.3	26.8	9.99	5.47	27	4.04	3.18 U	5.35	1.95	2.04	2.3	3
PCB127	pg/g	2.19 UT	8.83	9.8	4.99	2.51	8.64 J	2.72 U	2.5 U	3.49 U	1.59 U	1.89 U	1.85 U	2.58 U
PCB128 & 166	pg/g	325 T	1630	1620	969	375	1980	291	174	328	105	104	139	211
PCB129 & 138 & 160 & 163	pg/g	4250 T	17300	21700	11900	4510	49400	3870	1920	2680	1440	1430	1580	2000

Table 4-7. Analytical Results for Tissue Samples.

Location Name		FC0271	FC028	FC029	FC030	FC031	FC032	FC033	BT001	BT002	BT003	BT004	BT005	BT0061
X_Easting		7634486	7633319	7635858	7635830	7637348	7637267	7639804	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716
Y_Northing		698226.1	696794.5	699170	695325.5	696152.8	694072.1	694669	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807
Sample ID		LW2-BTFC027 Rep 1	LW2-BTFC028	LW2-BTFC029	LW2-BTFC030	LW2-BTFC031	LW2-BTFC032	LW2-BTFC033	LW2-BTLC001	LW2-BTLC002	LW2-BTLC003	LW2-BTLC004	LW2-BTLC005	LW2-BTLC006-1
Sample Date		11/30/2005	12/01/2005	11/28/2005	11/30/2005	11/30/2005	11/29/2005	11/30/2005	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006
Species		field clam	field clam	field clam	field clam	field clam	field clam	field clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB130	pg/g	206 T	925	1200	645	221	1720	187	78.6	146	49.6	48.7	60.4	86.2
PCB131	pg/g	34.3 T	222	214	114	40.3	288	30.3	11.2	25.6	4.7	4.66	8.19	14.1
PCB132	pg/g	870 T	4130	6450	2790	904	9630	725	188	428	76.5	76.3	171	274
PCB133	pg/g	183 JT	371	662	370	130	1030	107	22.6	34.3	13.7	11.6	19.7	23.2
PCB134 & 143	pg/g	187 JT	793	1190	527	197	1740	160	38	90.5	16.7	16.2	35.6	58
PCB135 & 151 & 154	pg/g	2230 JT	7490	16900	5650	1830	26200	1620	264	489	137	127	231	343
PCB136	pg/g	644 JT	1750	3380	1290	495	5150	416	55.7	149	22	22.1	53.5	83.9
PCB137	pg/g	48.5 T	302	289	136	60.7	251	40.8	55.3	77	41.3	37.9	45.8	60.6
PCB139 & 140	pg/g	76.3 JT	258	357	190	61.7	421	45.9	17.3	33	9.37	8.15	14.8	21.2
PCB141	pg/g	139 T	548	1200	405	152	2090	108	47.2	118	30.6	27.7	46.4	68.8
PCB142	pg/g	1.99 UT	0.662 U	26.6 U	0.773 U	2.77 U	77.6 U	3.5 U	1.11 U	1.68 U	0.571 U	0.573 U	0.85 U	1.14 U
PCB144	pg/g	167 T	809	1310	515	177	2250	149	30.6	68.2	13.4	12.3	21.1	41.2
PCB145	pg/g	1.07 UT	3.44	4.34	1.6	0.885	18.2 U	0.755	0.345 U	0.893 U	0.1 U	0.093 J	0.2 U	0.389 J
PCB146	pg/g	1110 JT	3340	7180	3060	980	10200	817	281	358	207	183	250	287
PCB147 & 149	pg/g	4080 JT	13900	21100	10800	3630	45200	2860	720	1230	452	418	712	981
PCB148	pg/g	78.1 JT	76.1	200	93.1	35.7	333	31.2	1.92 U	2.31	1.02	0.9	2.06	1.68
PCB150	pg/g	77.8 JT	52.4	182	57.7	31.4	326	26.2	1.26	1.71	0.603	0.501 J	1.42	1.11
PCB152	pg/g	17 JT	19.8	86.2	14.8	9.69	103	7.79	0.855 U	1.75	0.296 J	0.347 J	0.653	0.835
PCB153 & 168	pg/g	9050 T	23400	44200	20300	8710	66300	7580	4130	4420	3240	2950	3340	3760
PCB155	pg/g	11.7 JT	5.95	12.3	6.81	5.8	31.1	4.48	0.743 U	0.957	0.651	0.623	0.727	0.736
PCB156 & 157	pg/g	213 T	1050	1170	558	251	1060	154	132	185	114	111	126	156
PCB158	pg/g	326 T	1640	2180	987	368	3350	316	129	214	90	86.4	102	147
PCB159	pg/g	12.9 T	51.9	87.1	42	14.8	194	10.5	1.74	4.91	0.741 U	0.602	1.93 U	2.43
PCB161	pg/g	1.31 UT	0.669 U	19 U	0.68 U	1.81 U	55.4 U	2.49 U	0.782 U	1.22 U	0.645 U	0.648 U	0.664 U	0.752 U
PCB162	pg/g	7.33 JT	37.5	32.1	21	8.6	55.8 U	5.57	3.96	6.88	2.64	2.56	2.69	3.77
PCB164	pg/g	175 T	834	1370	568	189	2230	148	50.5	100	29.4	30.6	42.2	60.4
PCB165	pg/g	23.1 JT	17.2	47.9	20.6	12.4	79.6	11.8	0.877 U	1.38 U	0.442 U	0.416 U	0.66 U	0.888 U
PCB167	pg/g	284 T	765	1120	527	304	949	220	192	217	175	172	186	207
PCB169	pg/g	3.17 UT	14.7 U	20 U	9.81 U	3.57	51.6 U	2.47 U	1.71 U	2.01 U	0.514 U	0.517 U	0.697 U	1.04 U
PCB170	pg/g	241 JT	1020	1640	767	247	3370	151	32.5	81	23.7	26.2	32.9	47.2
PCB171 & 173	pg/g	342 T	1300	1850	1030	342	3650	241	54.9	97.5	32.3	35	45.2	63.1
PCB172	pg/g	30.5 JT	123	217	94.9	30.3	409	19.2	4.76	12	3.03	3.31	4.96	6.89
PCB174	pg/g	301 T	1160	2030	908	306	4190	223	39.8	107	21.4	23.5	42.4	63.7
PCB175	pg/g	55.2 T	221	327	171	54.8	624	45.6	7.93	13.2	5.06	4.8	5.89	8.37
PCB176	pg/g	171 T	634	1070	541	167	2330	144	19.3	34.5	10.7	11	16.7	20.1
PCB177	pg/g	827 JT	2610	3890	2390	759	8350	543	122	222	77.4	89.7	101	140
PCB178	pg/g	489 JT	1320	2100	1210	417	4280	367	69.8	103	48.9	45.4	49.8	67.5
PCB179	pg/g	683 JT	2130	3640	1880	627	7770	515	72.8	129	38.7	39.1	66.1	80.9
PCB180 & 193	pg/g	1790 T	4230	8390	3990	1760	11700	1030	479	599	432	441	418	500
PCB181	pg/g	5.53 T	22.1	28.1	14	5.26	38	3.86	2.61	3.81	2.15	2.2	2.12	3.17
PCB182	pg/g	8.32 JT	2.53 U	29	15	2.45 U	59.1	3.95	1.34	1.94	1.14	1.15 U	1.25 U	2.43 U
PCB183 & 185	pg/g	861 T	3350	5610	2600	861	9500	667	147	216	104	99.6	117	161
PCB184	pg/g	3.57 JT	5.25	7.17	5.03	3.69	11	2.88	0.731	1.08	0.543 U	0.593 U	0.667	0.809
PCB186	pg/g	0.644 UT	0.638 U	0.674 U	0.648 U	0.619 U	10.7 U	0.674 U	0.651 U	0.647 U	0.615 U	0.618 U	0.633 U	0.613 U
PCB187	pg/g	2310 JT	7200	9290	6250	2120	24000	1840	399	570	305	274	310	414
PCB188	pg/g	19.7 JT	14.7	32.3	17.2	9.38	84.8	7.23	0.812 U	1.06	0.662 U	0.602	0.761	0.791
PCB189	pg/g	7.84 JT	34.7	60	24.2	7.78	89.8	5.05	1.35 U	2.66	0.946	0.918	1.18 U	1.81
PCB190	pg/g	231 T	847	1100	653	232	2220	155	51.3	73.7	49.4	49	47.6	58.8
PCB191	pg/g	33.3 T	143	190	102	33	389	22	5.53	10	4.51	4.63	5.51	7.18
PCB192	pg/g	1.5 UT	1.48 U	1.57 U	1.51 U	1.44 U	24.8 U	1.57 U	1.51 U	1.5 U	1.43 U	1.44 U	1.47 U	1.43 U
PCB194	pg/g	34.7 JT	141	200	102	34.1	409	20.1	5.07	12.4	4.04	4.16	5.99	7.66
PCB195	pg/g	132 T	521	522	378	128	1260	89	22.2	40	15.7	17.7	21.8	25.6
PCB196	pg/g	84.1 JT	358	429	233	81.7	839	54.7	15.6	29.4	14.2	14.2	16	18.8
PCB197 & 200	pg/g	49.8 JT	200	237	142	48.3	534	33.9	9.02	16.2	6.11	6.21	8.23	9.9

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	FC0271	FC028	FC029	FC030	FC031	FC032	FC033	BT001	BT002	BT003	BT004	BT005	BT0061
	X_Easting	7634486	7633319	7635858	7635830	7637348	7637267	7639804	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716
	Y_Northing	698226.1	696794.5	699170	695325.5	696152.8	694072.1	694669	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807
	Sample ID	LW2-BTFC027 Rep 1	LW2-BTFC028	LW2-BTFC029	LW2-BTFC030	LW2-BTFC031	LW2-BTFC032	LW2-BTFC033	LW2-BTLC001	LW2-BTLC002	LW2-BTLC003	LW2-BTLC004	LW2-BTLC005	LW2-BTLC006-1
	Sample Date	11/30/2005	12/01/2005	11/28/2005	11/30/2005	11/30/2005	11/29/2005	11/30/2005	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006
	Species	field clam	field clam	field clam	field clam	field clam	field clam	field clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB198 & 199	pg/g	167 T	675	752	438	173	1610	114	43	82.8	39.4	36.3	40.3	50.3
PCB201	pg/g	92.1 JT	339	341	251	88.7	775	64.2	20.8	31.8	15.1	14.4	16.7	20.9
PCB202	pg/g	222 JT	804	606	547	211	1460	151	79.9	115	61	58.3	67.5	79.4
PCB203	pg/g	347 JT	1310	1350	845	355	2480	237	121	160	119	130	111	124
PCB204	pg/g	0.285 JT	0.57 J	0.643 U	0.411 U	0.289 U	30 U	0.177 U	0.15 J	0.239 J	0.144 U	0.161 U	0.135 U	0.143 J
PCB205	pg/g	19.5 JT	80.1	79.8	54.6	18.2	181	13.5	4.41	6.4	3.2	3.23	3.82	4.66
PCB206	pg/g	46.1 JT	470	135	116	47.5	298	34	62.3	84.8	52.3	50.3	56.5	64.6
PCB207	pg/g	9.92 JT	71.7	27.8	23.3	10.3	58.5	7.06	10.1	14	8.69	8.08	8.67	10.2
PCB208	pg/g	20.9 T	310	66.5	52.6	22.6	93.4	15.6	44.1	59.7	38	35.8	39.7	45.2
PCB209	pg/g	28.9 T	534	44.9	56.9	33.4	36.1	21.9	74.7	93.4	63.7	60	61.8	71.9
Polychlorinated biphenyls	pg/g	85400 JT	421000	281000	161000	61300	459000	50100	30700	73400	19100	19100	22600	28700
Monochlorobiphenyl homologs	pg/g	12.2 JT	30.6		14	6.4	116 J	3.48 J	207	208	167	35.8	149	175
Dichlorobiphenyl homologs	pg/g	8750 JT	4710	432 J	1820	1140	5120 J	1180 J	3760	4540	2690	2900	2870	3140
Trichlorobiphenyl homologs	pg/g	10500 JT	66300	3700 J	8690	2630	16000 J	3020 J	4000	8360	2660	2870	3020	3470
Tetrachlorobiphenyl homologs	pg/g	13900 JT	139000	25200 J	23200	8690	41100 J	7470	5330	28500	1600	1750	2600	3310
Pentachlorobiphenyl homologs	pg/g	17500 JT	96700	70000	38500	15900	71800	11600	6810	17400	4130	4080	5070	7510
Hexachlorobiphenyl homologs	pg/g	24800 T	81700	136000	62600	23700	232000	19900	8540	11400	6270	5880	7190	8890
Heptachlorobiphenyl homologs	pg/g	8420 JT	26400	41500	22700	7980	83000	5980	1510	2280	1160	1150	1270	1640
Octachlorobiphenyl homologs	pg/g	1150 JT	4430	4510	2990	1140	9550	777	321	494	278	285	291	341
Nonachlorobiphenyl homologs	pg/g	76.9 JT	852	229	191	80.4	450	56.7	117	159	99	94.1	105	120

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT0062	BT007	BT008	BT009	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018
	X_Easting	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774
	Y_Northing	717233.807	714978	714416.79	713913.234	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705
	Sample ID	LW2-BTLC006-2	LW2-BTLC007	LW2-BTLC008	LW2-BTLC009	LW2-BTLC010	LW2-BTLC011	LW2-BTLC012	LW2-BTLC013	LW2-BTLC014	LW2-BTLC015	LW2-BTLC016	LW2-BTLC017	LW2-BTLC018
	Sample Date	02/24/2006	01/19/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	*Unit*													
Total solids	percent	6.5	6.32	7.23	6	6.9	6 T	6.7	5.65	8	8.6	7.7	7.24	6.6
Lipids	percent	0.813	1.55	1.44	0.777	0.886	0.721	0.694	0.675	0.813	1.18	0.791	2.11	0.656
Aluminum	mg/kg	41.9	13.2	14.5	55.3	21.3	76.5 T	24.9	21.6	32.8	15.6	15.8	13.6	24.9
Antimony	mg/kg	0.001 U	0.0006	0.0008	0.001 U	0.0006 U	0.0007 UT	0.0028 U	0.0006	0.0008 U	0.0008 U	0.0008 U	0.0009	0.0007 U
Arsenic	mg/kg	0.414	0.376 J	0.432 J	0.389	0.465	0.391 T	0.455	0.374 J	0.49	0.541	0.483	0.421 J	0.429
Cadmium	mg/kg	0.0484	0.0466	0.057	0.0488	0.0513	0.0468 T	0.0534	0.047	0.0569	0.0596	0.0524	0.0472	0.0499
Chromium	mg/kg	0.19	0.19	0.22	0.21	0.16	0.195 T	0.16	0.21	0.18	0.19	0.14	0.24	0.16
Copper	mg/kg	3.85 J	3.18	3.81	3.38 J	3.92 J	3.38 JT	4.01 J	3.37	4.28 J	4.7 J	4.12 J	3.72	3.73 J
Lead	mg/kg	0.063	0.065	0.082	0.136	0.047	0.053 T	0.052	0.045	0.055	0.047	0.045	0.044	0.049
Mercury	mg/kg	0.0095	0.0084	0.0115	0.0093	0.0109	0.00965 T	0.0105	0.0104	0.0123	0.0122	0.0103	0.0094	0.011
Nickel	mg/kg	0.154 J	0.11	0.137	0.167 J	0.135 J	0.134 JT	0.132 J	0.122	0.143 J	0.139 J	0.124 J	0.157	0.15 J
Selenium	mg/kg	0.165	0.072	0.114	0.154	0.199	0.173 T	0.175	0.074	0.182	0.231	0.191	0.127	0.166
Silver	mg/kg	0.01	0.0119	0.0175	0.0096	0.0113	0.00945 T	0.0118	0.0129	0.0135	0.0149	0.0121	0.014	0.0108
Zinc	mg/kg	11.7	13.5	15.7	11.6	12.6	10.8 T	11.9	12.4	14.2	15.3	14.3	15.5	12.1
Butyltin ion	µg/kg	0.21 U	0.19 J	0.47 J	0.096 U	0.16 U	0.37 U	0.061 U	0.35 J	0.061 U	0.061 U	0.33 U	0.47 J	0.15 U
Dibutyltin ion	µg/kg	0.55 U	0.68 U	0.81 U	0.47 U	0.56 U	0.61 U	0.37 U	0.89 J	0.5 U	0.43 U	0.64 U	1.2	0.44 U
Tributyltin ion	µg/kg	2.7 U	1.8 U	1.2 U	2.1 U	1.7 U	1.1 U	1.4 U	2 U	1.3 U	2 U	2.9 U	1.4 U	1.2 U
Tetrabutyltin	µg/kg	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U
2-Methylnaphthalene	µg/kg	0.52 U	0.63 U	0.81 J	0.45 U	0.94 J	0.75 U	0.8 U	0.68 U	1.8	0.54 U	1.1	0.15 U	0.92 J
Acenaphthene	µg/kg	0.2 J	0.38 J	0.42 J	0.42 J	0.5	0.4 J	13	0.61	13	8	0.5	3	2.1
Acenaphthylene	µg/kg	0.19 J	0.092 U	0.092 U	0.26 J	0.092 U	0.26 J	0.83	0.092 U	1.1	0.85	0.31 J	0.092 U	0.61
Anthracene	µg/kg	0.85	3.2	2.7	2.2	1.2	1.6	5.6	2	29	28	1.4	6.6	4.4
Fluorene	µg/kg	0.64	0.96	0.93	1.4	0.86	0.76	8.6	1.2	8.9	11	1.2	3.2	3.3
Naphthalene	µg/kg	0.64 U	0.64 U	0.64 U	0.64 U	1 U	1.1 U	1.1 U	0.51 U	5.1	1.1 U	1.2 U	0.78 U	1.1 U
Phenanthrene	µg/kg	4	5	8.9	7.8	7.1	4.9	120	11	67	110	5.9	18	18
Low Molecular Weight PAH	µg/kg													
Dibenzo(a,h)anthracene	µg/kg	0.11 U	0.11 U	0.11 U	0.19 J	0.11 U	0.11 U	1.4	0.11 U	0.61	0.27 J	0.11 U	0.11 U	0.19 J
Benzo(a)anthracene	µg/kg	1.1	9.5	4.4	2.2	0.85	1.6	67	2.9	38	31	1.6	12	8.2
Benzo(a)pyrene	µg/kg	0.67	1.8	1.4	1.5	0.46 J	1	33	0.82	12	6.2	0.56	2.4	1.7
Benzo(b)fluoranthene	µg/kg	1	3.2	1.4	1.7	0.36 J	0.74	33	1	13	8.1	0.65	3	2.8
Benzo(g,h,i)perylene	µg/kg	0.35 J	0.93	0.74	0.92	0.17 U	0.56	18	0.55	7.3	3	0.17 U	1.2	1.1
Benzo(k)fluoranthene	µg/kg	0.36 J	1.3	0.75	1.1	0.17 J	0.52	23	0.52	7.5	4	0.32 J	1.4	1.4
Chrysene	µg/kg	3.8	16	8	4.5	2	3.4	100	6.3	57	49	3.4	18	14
Fluoranthene	µg/kg	7	58	23	25	11	15	390	32	280	250	14	90	83
Indeno(1,2,3-cd)pyrene	µg/kg	0.16 U	0.16 U	0.16 U	0.84	0.16 U	0.41 J	12	0.16 U	3.7	1.3	0.16 U	0.16 U	0.53
Pyrene	µg/kg	12	51	26	23	12	18	490	38	300	250	15	93	80
High Molecular Weight PAH	µg/kg													
Polycyclic Aromatic Hydrocarbons	µg/kg													
1,2,4-Trichlorobenzene	µg/kg	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
1,2-Dichlorobenzene	µg/kg	12 U	12 UJ	12 UJ	12 U	12 U	12 U	12 U	12 UJ	12 U	12 U	12 U	12 UJ	12 U
1,3-Dichlorobenzene	µg/kg	11 U	11 UJ	11 UJ	11 U	11 U	11 U	11 U	11 UJ	11 U	11 U	11 U	11 UJ	11 U
1,4-Dichlorobenzene	µg/kg	11 U	11 UJ	11 UJ	11 U	11 U	11 U	11 U	11 UJ	11 U	11 U	11 U	11 UJ	11 U
Benzyl alcohol	µg/kg	6.7 U	6.7 UJ	8.4 J	7.5 J	7.2 J	8.5 J	6.7 U	6.7 UJ	25 J	14 J	25 J	6.7 UJ	7.9 J
Dibenzofuran	µg/kg	0.3 J	0.37 J	0.37 J	0.49 J	0.34 J	0.3 J	0.45 J	0.37 J	1.2	1.1	0.54	0.76	0.82
Hexachlorobenzene	µg/kg	0.044 J	0.107 J	0.11 J	0.0365 J	0.0329 J	0.0344 J	0.0292 J	0.0517 J	0.048 J	0.0563 J	0.0444 J	0.275	0.0519 J
Hexachlorobutadiene	µg/kg	8.5 U	8.5 U	8.5 U	0.00548 J	8.5 U	8.5 U	8.5 U	0.00419 J	8.5 U	8.5 U	8.5 U	4.25 J	8.5 U
Hexachloroethane	µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
N-Nitrosodiphenylamine	µg/kg	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
Dimethyl phthalate	µg/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.3 J	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Diethyl phthalate	µg/kg	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.6 J	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U
Dibutyl phthalate	µg/kg	180 U	16 U	16 U	160 U	190 U	160 U	170 U	16 U	210 U	210 U	190 U	16 U	170 U
Butylbenzyl phthalate	µg/kg	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
Di-n-octyl phthalate	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
Bis(2-ethylhexyl) phthalate	µg/kg	100 J	53 U	53 U	81 J	110 J	74 J	53 U	55 J	88 J	110 J	100 J	53 J	160 J

Table 4-7. Analytical Results for Tissue Samples.

Location Name		BT0062	BT007	BT008	BT009	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018
X_Easting		7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774
Y_Northing		717233.807	714978	714416.79	713913.234	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705
Sample ID		LW2-BTLC006-2	LW2-BTLC007	LW2-BTLC008	LW2-BTLC009	LW2-BTLC010	LW2-BTLC011	LW2-BTLC012	LW2-BTLC013	LW2-BTLC014	LW2-BTLC015	LW2-BTLC016	LW2-BTLC017	LW2-BTLC018
Sample Date		02/24/2006	01/19/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006
Species		lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
2,4-Dimethylphenol	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
2-Methylphenol	µg/kg	53 U	84	99	53 U	53 U	53 U	53 U	53 U	53 U	53 U	53 U	53 U	53 U
4-Methylphenol	µg/kg	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Pentachlorophenol	µg/kg	31 U	R	R	31 U	31 U	31 U	31 U	R	31 U	31 U	31 U	R	31 U
Phenol	µg/kg	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U	17 U
2,4'-DDD	µg/kg	0.226	0.405	0.544	0.225 J	0.463	0.259	0.49	0.323	0.603	0.977	0.219 J	18.6	239
2,4'-DDE	µg/kg	0.0224 J	0.039 J	0.0694 J	0.0188 J	0.0243 J	0.0188 J	0.0528 J	0.035 U	0.0397 U	0.0489 J	0.0171 J	1.09	2.93
2,4'-DDT	µg/kg	0.0275 J	0.0819 U	0.122 J	0.0244 J	0.0309 J	0.0266 J	0.0243 J	0.101 U	0.0626 U	0.0437 J	0.0262 J	0.729	0.0807 U
4,4'-DDD	µg/kg	0.751	1.52	2.94	0.749	1.59	0.757	1.5	1.06	1.59	3.12	0.776	84.5	702
4,4'-DDE	µg/kg	0.601	1.7	2.81	0.718	0.912	0.589	0.848	0.72	0.776	1	0.832	8.55	8.25
4,4'-DDT	µg/kg	0.0802 J	0.212 J	0.477	0.0841 J	0.0859 J	0.0791 J	0.087 J	0.183 J	0.131 U	0.117 J	0.0665 J	2.61	87.1
Total of 4,4'-DDD, -DDE, -DDT	µg/kg													
Aldrin	µg/kg	0.0164 J	0.0482 J	0.0599 J	0.0203 J	0.0258 J	0.0205 J	0.0125 U	0.0119 J	0.0179 U	0.0274 J	0.0243 U	0.0399 J	0.0146 J
alpha-Hexachlorocyclohexane	µg/kg	0.00889 J	0.0137 U	0.0122 U	0.00876 J	0.00909 J	0.0125 J	0.00715 J	0.0126 U	0.0633 U	0.0107 J	0.0054 U	0.0218 U	0.00682 U
beta-Hexachlorocyclohexane	µg/kg	0.00268 J	0.0458 U	0.0414 U	0.00239 U	0.00191 U	0.00873 J	0.0029 U	0.0406 U	0.0415 U	0.00233 J	0.00131 U	0.0441 U	0.00318 U
delta-Hexachlorocyclohexane	µg/kg	0.00212 U	0.001 J	0.001 U	0.00219 U	0.00255 U	0.00139 U	0.004 U	0.001 U	0.001 U	0.001 U	0.001 U	0.007 J	0.004 U
gamma-Hexachlorocyclohexane	µg/kg	0.0529 J	0.0878 J	0.0694 U	0.0504 J	0.0519 J	0.0487 J	0.042 U	0.0503 U	0.0684 U	0.0492 J	0.0475 J	0.109 J	0.046 U
cis-Chlordane	µg/kg	0.529	1.2	1.22	0.553	0.772	0.494	0.534	0.485	0.665	0.741	0.665	2.02	0.535
trans-Chlordane	µg/kg	0.328 J	0.762	0.832	0.344 J	0.477	0.293 J	0.317 J	0.309 J	0.357 J	0.431 J	0.395 J	1.54	0.332 J
Oxychlordane	µg/kg	0.0393 J	0.104 J	0.0926 J	0.0448 J	0.0444 J	0.0459 J	0.0468 J	0.0514 J	0.0651 J	0.0592 J	0.0609 U	0.157 J	0.0326 U
cis-Nonachlor	µg/kg	*0.277 J*	*0.742*	*0.637*	*0.291 J*	*0.35 J*	*0.265 J*	*0.29 J*	*0.261 J*	*0.348 J*	*0.402 J*	*0.357 J*	*0.985*	*0.275 J*
trans-Nonachlor	µg/kg	0.798	2.19	1.99	0.847	0.96	0.741	0.834	0.759	1.04	1.08	0.965	3	0.749
Total Chlordanes	µg/kg													
Dieldrin	µg/kg	0.169 J	0.472	0.425	0.162 J	0.167 J	0.139 J	0.156 J	0.17 J	0.185	0.201	0.167 J	0.72	0.154 J
alpha-Endosulfan	µg/kg	0.0225 U	0.018 U	0.015 U	0.0237 U	0.023 U	0.0235 U	0.017 U	0.009 U	0.0239 U	0.0238 U	0.0235 U	0.025 J	0.0239 U
beta-Endosulfan	µg/kg	0.0205 U	0.028 U	0.037 U	0.0612 U	0.0592 U	0.0605 U	0.021 U	0.012 U	0.0616 U	0.0615 U	0.0607 U	0.03 U	0.0616 U
Endosulfan sulfate	µg/kg	0.0302 U	0.086 U	0.075 J	0.0328 U	0.0314 U	0.0288 J	0.0387 U	0.023 J	0.037 J	0.03 U	0.034 U	0.054 J	0.023 J
Endrin	µg/kg	0.024 U	0.002 U	0.013 J	0.00628 U	0.0245 U	0.00771 J	0.008 J	0.002 U	0.0255 U	0.0254 U	0.0251 U	0.0536 U	0.0255 U
Endrin aldehyde	µg/kg	0.018 U	0.0209 U	0.0189 U	0.019 U	0.0184 U	0.0188 U	0.005 U	0.0186 U	0.0191 U	0.0191 U	0.0188 U	0.0403 U	0.0191 U
Endrin ketone	µg/kg	0.0375 U	0.0435 U	0.0394 U	0.0396 U	0.0383 U	0.00105 U	0.004 J	0.0386 U	0.0399 U	0.0398 U	0.0392 U	0.0839 U	0.002 J
Heptachlor	µg/kg	0.0199 J	0.0462 U	0.0402 J	0.0183 U	0.0227 J	0.0184 J	0.0158 J	0.0201 J	0.0336 J	0.0326 J	0.0215 U	0.0607 U	0.0169 J
Heptachlor epoxide	µg/kg	0.0173 J	0.066 J	0.048 J	0.0182 J	0.0215 J	0.0174 J	0.023 U	0.029 J	0.024 J	0.024 J	0.022 J	0.094 J	0.02 J
Methoxychlor	µg/kg	0.018 U	0.015 U	0.01 U	0.019 U	0.0183 U	0.00917 U	0.013 U	0.005 U	0.0191 U	0.019 U	0.0188 U	0.017 U	0.0191 U
Chlordane (cis & trans)	µg/kg													
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.068 U	0.173 J	0.144 U	0.088 U	0.07 U	0.058 U	0.081 U	0.104 U	0.07 U	0.092 U	0.074 J	15.4	0.085 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.051 J	0.211 J	0.13 U	0.063 J	0.113 U	0.115 U	0.049 U	0.069 J	0.083 U	0.054 J	0.067 U	17	0.105 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.156 U	0.121 U	0.083 J	0.165 U	0.16 U	0.163 U	0.163 U	0.161 U	0.077 U	0.166 U	0.164 U	0.465 U	0.102 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.117 J	1.1 J	0.833 J	0.15 J	0.086 J	0.077 J	0.222 J	0.181 J	0.133 J	0.122 U	0.21 J	2.54	0.157 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.055 U	0.178 J	0.148 J	0.075 U	0.0915 U	0.062 U	0.065 U	0.069 U	0.086 U	0.06 U	0.083 J	0.546 U	0.145 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	0.5 U	5.04	5.27	1.19	0.364 U	0.566 U	1.01 J	0.671 J	0.473 J	0.536 J	0.873 J	5.56	0.569 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.193 J	0.895	0.774	0.184 U	0.164 U	0.186 U	0.356	0.275	0.315 U	0.539 U	0.282 U	45.2	3.95
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.06 U	0.343 J	0.065 J	0.135 U	0.051 U	0.072 U	0.134 U	0.132 U	0.167 J	0.117 J	0.134 U	2.96	1.99
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.091 U	3.19	0.217 U	0.199 U	0.076 U	0.077 U	0.173 J	0.107 U	0.186 U	0.13 J	0.118 J	9.31	1.45
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.056 U	3.28	0.204 J	0.161 J	0.105 U	0.061 U	0.205 J	0.057 J	0.138 U	0.144 J	0.086 J	2.92	2.07
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0884 U	0.282 U	0.0938 U	0.0934 U	0.0903 U	0.0923 U	0.068 J	0.0911 U	0.066 U	0.0937 U	0.0925 U	0.407 J	0.305 U
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.125 U	0.145 U	0.133 U	0.132 U	0.128 U	0.055 U	0.131 U	0.129 U	0.07 J	0.133 U	0.131 U	0.14 U	0.105 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.066 J	0.329 J	0.097 U	0.085 J	0.063 U	0.074 U	0.088 J	0.061 J	0.075 J	0.077 U	0.079 U	0.816 J	0.241 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.12 J	1.74	1.43	0.215 J	0.147 U	0.176 U	0.67 U	0.184 J	0.172 U	0.131 J	0.16 U	1.13 J	0.465 J
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.125 U	0.184 J	0.078 U	0.131 U	0.127 U	0.13 U	0.13 U	0.128 U	0.073 J	0.132 U	0.13 U	0.141 U	0.17 J
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.527	2.16	1.24	0.486	0.473	0.342	0.777	0.508	0.0496 U	0.771	0.728	48.2	0.815
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.051	0.607	0.507	0.063	0.113 U	0.115 U	0.063	0.299	0.059	0.165	0.138	30.9	0.084
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.117	3.52	3.23	0.15	0.34	0.178	1.22	0.609	0.338	0.208	0.962	15.6	2.47
Heptachlorodibenzo-p-dioxin homologs	pg/g	1.13	13.6	14	4.06	0.53	1.71	2.88	1.65	1.13	0.536	2.1	25.9	1.39
Octachlorodibenzo-p-dioxin	pg/g	4.4	49.2	53.5	11.8	3.12	4.47	9.04	6.04	4.27	5.22	6.59	28.1	5.14

Table 4-7. Analytical Results for Tissue Samples.

Chemical Name	Unit	Location Name	BT0062	BT007	BT008	BT009	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018
		X_Easting	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774
		Y_Northing	717233.807	714978	714416.79	713913.234	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705
		Sample ID	LW2-BTLC006-2	LW2-BTLC007	LW2-BTLC008	LW2-BTLC009	LW2-BTLC010	LW2-BTLC011	LW2-BTLC012	LW2-BTLC013	LW2-BTLC014	LW2-BTLC015	LW2-BTLC016	LW2-BTLC017	LW2-BTLC018
		Sample Date	02/24/2006	01/19/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006
		Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Tetrachlorodibenzofuran homologs	pg/g		1.7	5.83	3.92	1.29	1.24	1.18	2.61	1.47	1.67	2.18	1.51	397	9.43
Pentachlorodibenzofuran homologs	pg/g		0.873	23.5	2.48	1.35	0.319	0.399	2.13	0.571	0.431	0.839	1.38	128	6.81
Hexachlorodibenzofuran homologs	pg/g		0.461	23.3	6.97	1.06	0.323	0.12	2.18	0.892	0.45	0.622	0.977	18.5	3.58
Heptachlorodibenzofuran homologs	pg/g		0.338	8.33	8.5	0.844	0.127 U	0.193	1.07	0.556	0.285	0.399	0.435	2.47	1.12
Octachlorodibenzofuran	pg/g		0.253 J	2.12 J	4.84	0.556 J	0.122 J	0.238 J	0.493 J	0.225 U	0.212 J	0.223 U	0.298 U	1.53 J	0.601 J
Aroclor 1016	pg/g		1.33 U	0.933 U	0.801 U	1.18 U	1.67 U	0.592 U	0.583 U	1.09 U	0.991 U	1.02 U	1.06 U	17.5 U	0.781 U
Aroclor 1221	pg/g		0.688 U	0.484 U	0.415 U	0.61 U	0.865 U	0.27 U	0.302 U	0.568 U	0.449 U	0.472 U	0.458 U	1.1 U	0.405 U
Aroclor 1232	pg/g		0.721 U	0.437 U	0.384 U	0.49 U	0.394 U	0.528 U	0.353 U	0.281 U	0.345 U	0.292 U	0.281 U	1.35 U	0.3 U
Aroclor 1242	pg/g		9430 NJ	20500 NJ	18100 NJ	7560 NJ	9640 NJ	7010 NJ	7240 NJ	8570 NJ	10200 NJ	10900 NJ	10300 NJ	19.4 U	7800 NJ
Aroclor 1248	pg/g		5.44 U	3.32 U	4.98 U	2.64 U	6.27 U	2.18 U	5.03 U	2.57 U	3.94 U	1.47 U	4.23 U	118000 NJ	7.59 U
Aroclor 1254	pg/g		11200 NJ	16600 NJ	14800 NJ	6450 NJ	6130 NJ	5730 NJ	8000 NJ	8450 NJ	6600 NJ	7130 NJ	17300 NJ	6.71 U	7630 NJ
Aroclor 1260	pg/g		3310 NJ	5250 NJ	5750 NJ	3070 NJ	2790 NJ	2900 NJ	3570 NJ	4520 NJ	3430 NJ	3660 NJ	15400 NJ	6440 NJ	4230 NJ
Aroclors	pg/g														
PCB001	pg/g		116 J	289	222	129	119	104	66.3		119	128	144	485 J	89.1
PCB002	pg/g		9.19 J	22.7	16.8	8.7	8.29	8.58	4.59		9.56	10.9	11	26	6.64
PCB003	pg/g		34.4 J	97.5	73.5	31.6	38.6	30	22.3		41.2	45	50.5	156	31.7
PCB004	pg/g		754 J	1180	1160 J	1210 J	732	663	603	943 J	657	694	3050	2140 J	577
PCB005	pg/g		30 J	58.3	48.2 J	25.7 J	36	25.4	23.6	33 J	32.8	30.6	32.9	66.5	25.6
PCB006	pg/g		245 J	480	446 J	249 J	282	226	217	306 J	283	260	279	567	226
PCB007	pg/g		43.8 J	129	105 J	41 J	55.5	35.9	39.4	43.7 J	65.3	67.4	69.8	186 J	44
PCB008	pg/g		1260 J	3330	2840 J	1130 J	1350	1010	1050	1290 J	1530	1660	1470	5540 J	1060
PCB009	pg/g		56.7 J	165	124 J	52.6 J	68.4	49.2	50.4	57.5 J	85.8	82.6	89.5	215 J	58.7
PCB010	pg/g		20.9 J	41.6	34.7 J	27.8 J	26.3	16.2	21.8	18.5 J	28.3	27.6	169	43.3 J	21.1
PCB011	pg/g		281 J	605	474	264 J	252	255	202	329	271	302	235	658	222
PCB012 & 013	pg/g		64.9 J	158	134	61.7 J	57.5	52.7	43.1	71.4	58.6	72.1	77.7	220	47.7
PCB014	pg/g		0.703 UJ	0.819 U	0.747 U	0.732 UJ	0.717 U	0.752 U	0.736 U	0.722 U	0.753 U	0.75 U	0.745 U	0.882 U	0.752 U
PCB015	pg/g		386	932	823	353	386	291	305	378	387	451	407	2150	301
PCB016	pg/g		278	382	382	232	299	236	251	235 J	294	290	275	1240 J	246
PCB017	pg/g		303	709	560	288	345	262	312	255 J	376	359	1400	1850 J	321
PCB018 & 030	pg/g		561	766	775	462	674	481	543	507 J	662	622	743	3440 J	600
PCB019	pg/g		115	183	140	151	92.5	76.3	76.4	110 J	79.7	81.8	5630	373 J	76.9
PCB020 & 028	pg/g		749	1540	1350	519	662	479	459	599	676	757	702	8400	523
PCB021 & 033	pg/g		347	702	591	251	333	234	234	302	325	346	372	3720	245
PCB022	pg/g		299	585	466	221	282	205	198	241	253	261	205	2530	184
PCB023	pg/g		0.887	2.12	1.66	0.837	0.929 U	0.701	0.618	0.854 J	1.08	0.879	1.76	6.36 J	0.638
PCB024	pg/g		7.44	13.3	10.2	7.21	9.19	5.29	6.66	6.64 J	9.41	7.71	21.8	26.1 J	8.13
PCB025	pg/g		55.5	122	100	40.3	51.2	34.1	34.9	45.5	50.9	54.5	166	326	41.4
PCB026 & 029	pg/g		106	200	166	79.6	103	72.6	71.9	88.9 J	97.7	101	165	747 J	82.2
PCB027	pg/g		61.3	84.8	79	53.3	55.2	42.5	49.7	47.3 J	58.7	56.1	835	144 J	49.7
PCB031	pg/g		569	1210	1060	408	527	364	365	459	537	586	526	9560	416
PCB032	pg/g		174	338	291	147	158	116	136	129 J	178	191	446	1500 J	127
PCB034	pg/g		1.67	5.03	4.09	1.78	1.82	1.31	2.18	2.03 UJ	2.17	2.06	4.21	21.4 J	1.83
PCB035	pg/g		11.8	21.5	18.3	7.64	9.55	6.56	6.84	8.64	9.08	10.5	7.18	44.1 U	6.57
PCB036	pg/g		1.88	3.26	2.66	1.71	2.01	1.58	1.52 U	1.51	2.34	2.49	1.47 U	3.17	1.76
PCB037	pg/g		109	210	169	51.5	74.6	41.8	56	54.3	55.8	64.4	51.1	1070	48.3
PCB038	pg/g		0.547 U	0.459 J	0.657 U	0.57 U	0.253 U	0.585 U	0.239 U	0.562 U	0.586 U	0.584 U	2.67	4.74	0.586 U
PCB039	pg/g		4.07	5.68	5.23	0.56 U	0.549 U	1.78	2.64	2.4	2.59	0.574 U	0.571 U	78.8	2.18
PCB040 & 041 & 071	pg/g		251	311	285	94.6	150	83.1	141	111	122	126	604	5120	161
PCB042	pg/g		221	290	294	149	196	146	191	157	202	187	231	1910	190
PCB043	pg/g		15.3	25.3	20.7	6.99	10.6	6.61	10.5	7.75	10.6	10.9	109	389	12.9
PCB044 & 047 & 065	pg/g		605	802	811	362	498	354	488	469	487	472	5740	6910	521
PCB045 & 051	pg/g		94.5	133	123	44.9	63	42.7	60.6	57.9	57	58	2710	1490	65.8
PCB046	pg/g		29.6	34.1	28.2	10.3	13.5	10.1	16.5	9.85	13.2	14.9	158	593	17.6
PCB048	pg/g		96.4	181	157	59	97.4	55.7	76	60.1	84	77.8	115	2210	84.3

Table 4-7. Analytical Results for Tissue Samples.

Chemical Name	Location Name	BT0062	BT007	BT008	BT009	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018
	X_Easting	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774
	Y_Northing	717233.807	714978	714416.79	713913.234	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705
	Sample ID	LW2-BTLC006-2	LW2-BTLC007	LW2-BTLC008	LW2-BTLC009	LW2-BTLC010	LW2-BTLC011	LW2-BTLC012	LW2-BTLC013	LW2-BTLC014	LW2-BTLC015	LW2-BTLC016	LW2-BTLC017	LW2-BTLC018
	Sample Date	02/24/2006	01/19/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
	Unit													
PCB049 & 069	pg/g	259	421	374	117	171	107	190	140	165	172	1750	5220	211
PCB050 & 053	pg/g	91.1	94.3	118	50.3	71.1	51.7	67.1	58.9	65.9	63.4	2350	859	69.5
PCB052	pg/g	580	591	556	223	302	211	345	251	289	297	1400	8150	392
PCB054	pg/g	4.54	16.5	9.29	4.1	3.43	2.71	2.61	8.36	3.23	3.61	1170	31.7	2.47
PCB055	pg/g	1.82 U	6.9	6.28	1.89 U	1.85 U	1.94 U	1.9 U	1.86 U	1.94 U	1.94 U	1.92 U	99.4	1.94 U
PCB056	pg/g	163	234	204	83.4	134	73.9	114	101	106	101	75.3	3700	105
PCB057	pg/g	1.59	3.15	2.39 U	0.641	1.14 U	0.575 J	0.924	0.967	0.786	0.945	23.6	30.6	2.15 U
PCB058	pg/g	1.31	1.82	1.71	0.478 J	1.57 U	0.351 U	1.31	0.762	1.65 U	0.643 U	1.64 U	17	1.65 U
PCB059 & 062 & 075	pg/g	56	58	63.1	25.4	39.1	24.1	36	30.1	34	33.7	270	535	37.9
PCB060	pg/g	75.4	129	107	34.4	61.5	29.3	37.8	42.2	44.4	46.7	34.2	2800	43.3
PCB061 & 070 & 074 & 076	pg/g	659	944	801	249	440	221	400	319	353	377	356	14700	400
PCB063	pg/g	15.5	28.2	23.5	7.71	13.1	6.27	11.2	9.65	10.5	10.7	19.9	396	12
PCB064	pg/g	192	268	247	70.9	103	64.4	114	77.4	96.9	108	96.1	4420	135
PCB066	pg/g	393	645	542	200	307	181	264	239	250	254	285	7160	255
PCB067	pg/g	15.1	25.6	20.9	7.46	13.1	6.47	8.85	8.41	9.75	9.49	38.2	188	8.83
PCB068	pg/g	3.78	7.66	6.68	2.19	2.58	1.79	3.99	4.28	2.58	3.23	49.5	21.9	4.22
PCB072	pg/g	5.47	7.73	6.78	2.77	2.92	2.13	5.94	3.92	2.66	3.38	19.2	43.9	5.21
PCB073	pg/g	1.55 U	3.99	1.65 U	1.62 U	1.59 U	1.66 U	1.63 U	2.05	1.66 U	1.66 U	191	1.73 U	1.66 U
PCB077	pg/g	37.7	75	62.3	22.9	28.7	20.4	29.5	26.9	27.8	29.9	23.1	461	24.9
PCB078	pg/g	1.14 U	1.33 U	1.21 U	1.19 U	1.17 U	1.22 U	1.2 U	1.17 U	1.22 U	1.22 U	1.21 U	1.27 U	1.26 U
PCB079	pg/g	27	30.4	28	17.2	19.4	15.3	15	21.1	18.4	17.8	21.2	76.1	14.3
PCB080	pg/g	1.98 U	2.31 U	2.11 U	2.06 U	2.02 U	2.12 U	2.08 U	2.04 U	2.12 U	2.12 U	2.1 U	2.21 U	2.12 U
PCB081	pg/g	1.13 U	3.46	3.35 U	1.03	1.37	0.691 U	0.999	1.44 U	1.03	1.23	0.833	23	1.29 U
PCB082	pg/g	88.6	66.9	58.5	18	22.3	15.3	31.6	23.7	20.7	25.7	27	697	29
PCB083 & 099	pg/g	617	1090	924	379	353	332	470	510	386	414	1340	2890	469
PCB084	pg/g	240	169	144	44.2	53.4	38	86.3	57.8	45.2	58.2	288	1430	73.2
PCB085 & 116 & 117	pg/g	185	277	231	91.8	92.3	81.8	116	111	102	112	151	1130	102
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	788	993	922	428	414	385	529	547	439	477	830	3200	485
PCB088 & 091	pg/g	125	146	136	42.5	46.9	36.8	69.7	60.1	44.2	52.6	436	841	59.7
PCB089	pg/g	8.5	6.78	6.46	1.9	2.96	1.76	3.51	2.26	1.82	2.49	5.58	150	3.93
PCB090 & 101 & 113	pg/g	1060	1630	1420	581	533	515	770	813	600	636	2140	3970	833
PCB092	pg/g	175	228	208	75.2	72.3	65.1	120	124	84.4	96	696	683	146
PCB093 & 095 & 098 & 100 & 102	pg/g	826	801	822	364	342	356	535	539	363	410	2800	2800	530
PCB094	pg/g	4.44	9.13	8.72	2.11	1.7	1.29	2.13	6.01	1.79	2.03	303	45.4	2.47
PCB096	pg/g	4.55	6.36	6.38	1.63	1.69	1.43	2.62	2.57	1.66	2.12	131	80.9	2.66
PCB103	pg/g	6.66	12.8	16.4	3.76	3.75	2.65	7.98	9.9	3.65	5.02	244	40.2	12.2
PCB104	pg/g	0.462 J	1.35	2.26	0.443 J	0.377 J	0.239 J	0.212 U	1.65	0.34 J	0.407 J	97.8	1.52	0.261 J
PCB105	pg/g	392	711	576	254	254	234	285	303	286	307	279	1960	241
PCB106	pg/g	2.21 U	0.795 U	0.726 U	1.62 U	1.73 U	1.29 U	1.95 U	0.701 U	1.86 U	2.14 U	1.25 U	0.761 U	1.22 U
PCB107 & 124	pg/g	40.8	64.1	54.1	21.9	24	22.1	28.1	30	27.1	28.7	28.8	154	23.8
PCB109	pg/g	73.5	144	127	44	48.7	40	59.6	70.4	61	65.8	76.6	327	53.2
PCB110 & 115	pg/g	1300	1440	1260	532	523	466	730	715	559	618	893	4260	634
PCB111	pg/g	0.497 J	1.5	1.61	0.394 U	0.489 U	0.459 U	0.909	1.34	0.535 J	0.709	5.96	2.35	1.49
PCB112	pg/g	0.598 U	0.696 U	0.635 U	0.622 U	0.609 U	0.639 U	0.626 U	0.614 U	0.64 U	0.638 U	110	0.666 U	0.64 U
PCB114	pg/g	20.2	42.5	33	13.7	14.9	13.2	15.4	18.1	16.8	17	14.8	145	13.2
PCB118	pg/g	1950	3280	3010	1650	1620	1570	1860	1980	1680	1750	1630	5250	1470
PCB120	pg/g	5.31	11.4	10.8	4.35	4.99	3.98	6.71	7.82	5.18	5.31	13.8	15.9	7.16
PCB121	pg/g	0.301 U	1.15	1.37	0.291 J	0.306 U	0.212 U	1.51 U	0.848	0.325 J	0.324 J	18.4	1.15	1.02
PCB122	pg/g	11.9	13	11.7	4.9 U	6.3 U	5.17	6.36 U	6.44	8.03	8.09	7.81	63.5	5.78
PCB123	pg/g	40.9	68.7	58	35.6	36.3	34.1	38.2	39	37.9	39.7	33.8	116	29.6
PCB126	pg/g	3	6.8	5.02	2.45 U	2.55 U	2.41	3.01	3.31	2.5 U	2.58	2.59	12.6	1.97
PCB127	pg/g	2.43 U	2.51	1.88	1.9 U	1.91 U	1.52 U	2.07 U	1.51	2 U	2.3 U	1.34 U	3.49	1.33 U
PCB128 & 166	pg/g	208	362	340	121	125	117	167	166	163	191	321	491	137
PCB129 & 138 & 160 & 163	pg/g	1980	3740	3500	1580	1560	1550	1990	2250	1910	2040	4900	4480	1790

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT0062	BT007	BT008	BT009	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018
	X_Easting	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774
	Y_Northing	717233.807	714978	714416.79	713913.234	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705
	Sample ID	LW2-BTLC006-2	LW2-BTLC007	LW2-BTLC008	LW2-BTLC009	LW2-BTLC010	LW2-BTLC011	LW2-BTLC012	LW2-BTLC013	LW2-BTLC014	LW2-BTLC015	LW2-BTLC016	LW2-BTLC017	LW2-BTLC018
	Sample Date	02/24/2006	01/19/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB130	pg/g	91.5	170	156	55.9	59.9	52	76.5	84.4	78.1	83.1	194	218	71.6
PCB131	pg/g	14.8	20.1	19.3	5.1	6.93	4.53	9.9	10.2	7.66	8.63	27.9	31.3	8.21
PCB132	pg/g	308	356	350	92.1	119	73.8	194	227	130	152	860	549	208
PCB133	pg/g	23.5	47.6	47.8	13.9	17.9	12.2	23.6	28.4	20.7	22.6	119	60.3	33.5
PCB134 & 143	pg/g	61.2	73	70.7	19	27.5	16.4	33.7	42.7	26.2	30.1	258	110	40
PCB135 & 151 & 154	pg/g	375	510	528	145	191	123	295	357	206	232	2340	682	394
PCB136	pg/g	99.3	108	116	27.9	33.3	21.9	62.1	80.3	34.9	41.5	634	168	85.4
PCB137	pg/g	62	101	80	42.3	45.1	40.7	55.8	54.5	51.9	50.8	57.5	119	44.5
PCB139 & 140	pg/g	21.5	36.9	33.3	9.43	13.9	7.71	16.7	18.9	14.8	16	37.4	57.5	17.8
PCB141	pg/g	75.9	79.1	70.9	33.8	37.1	26.8	48.2	72.2	38.9	42	466	93.2	60.8
PCB142	pg/g	1.14 U	0.653 U	0.595 U	0.617 U	1.02 U	0.599 U	1.12 U	0.575 U	0.917 U	1.07 U	3.09 U	1.28	1.43 U
PCB144	pg/g	43.6	56.3	56.2	13.4	18	11.5	29.2	31.5	21.7	24	219	78.7	32.6
PCB145	pg/g	0.463 U	0.378 J	0.403 J	0.098 J	0.14 U	0.085 U	1.08 U	0.206 J	0.163 J	0.156 U	1.71	1 U	0.197 U
PCB146	pg/g	279	520	488	209	234	196	315	333	267	288	813	649	328
PCB147 & 149	pg/g	982	1500	1440	486	633	422	791	1010	612	666	3650	1900	853
PCB148	pg/g	1.72	4.5	5.59	1.11	1.26	0.853 U	3.02	4.1	1.44	1.67	30.6	5.88	7.43
PCB150	pg/g	1.32	2.79	4.12	0.661	0.92	0.545 J	1.98	2.23	0.867	1.03	28	3.94	3.75
PCB152	pg/g	0.896	1.64	2.25	0.394 J	0.447 U	0.295 J	0.598	1.26	0.417 U	0.467 J	38	2.33	0.349 J
PCB153 & 168	pg/g	3530	5360	5600	3180	3430	3150	4440	4340	3880	4060	7190	6170	3640
PCB155	pg/g	0.643	2.21	2.18	0.648	0.75	0.596	0.878	1.06	0.863	0.932	6.47	4.16 U	0.944
PCB156 & 157	pg/g	154	245	226	120	124	114	135	152	128	136	221	303	122
PCB158	pg/g	145	289	252	99	102	91.4	129	147	133	138	387	346	122
PCB159	pg/g	2.71	4.36 U	4.54 U	1.23	0.994 U	0.738 U	2.28	4.3	1.68	1.91	31.7	7.26 U	3.72 U
PCB161	pg/g	0.75 U	0.738 U	0.673 U	0.659 U	0.668 U	0.677 U	0.785 U	0.65 U	0.678 U	0.779 U	2.24 U	0.706 U	1.01 U
PCB162	pg/g	3.97	8.54	7.78	2.66	3.02	2.52	3.81 U	3.67	4.33	4.46	5.85	9.76	3.18
PCB164	pg/g	64.8	98.1	95.2	35.8	36.4	33.5	51	67.1	47.9	51.9	299	131	54.5
PCB165	pg/g	0.885 U	1.6	1.79	0.5 U	0.789 U	0.435 U	0.881 U	0.996 U	0.755 U	0.883 U	9.7	1.92	1.17
PCB167	pg/g	193	264	279	175	191	184	207	222	195	209	228	306	177
PCB169	pg/g	0.921 U	1.58 U	1.47 U	0.588 U	0.938 U	0.54 U	1.28 U	0.923 U	1.84 U	1.11 U	6.84 U	2.17 U	2.33 U
PCB170	pg/g	50.9	89.7	85.3	32.6	25.9	24.2	39.2	85.7	30.4	34.2	479	113	67.4
PCB171 & 173	pg/g	60.8	117	125	43.2	40.9	34	56.8	77.6	58.6	63.2	425	157	77
PCB172	pg/g	7.52	12.2	12.2	4.15	3.73	2.87	6.13	12.1	4.32	4.87	75.6	17	10.5
PCB174	pg/g	66.3	96.8	101	32	29.4	22	53.2	99.2	38	42.5	706	127	90.6
PCB175	pg/g	8.25	15.9	17.3	6	5.75	4.83	8.06	10.4	8.17	8.54	58.3	21.4	11.1
PCB176	pg/g	22.7	40.3	45.5	13.8	13.5	11.1	21.2	29.3	16.5	18.9	172	55.1	30.4
PCB177	pg/g	130	265	294	103	93	86.9	128	174	131	147	892	363	179
PCB178	pg/g	62.7	151	152	51.9	49.3	46.4	70.4	82.4	73.8	78.8	385	188	91.5
PCB179	pg/g	90.1	158	171	48.9	54.6	39.6	80.6	106	66.3	72.4	646	201	121
PCB180 & 193	pg/g	464	685	752	461	421	456	508	619	496	528	1660	790	570
PCB181	pg/g	2.83	5.5	5.4	2.41	2.35	2.01	3.13	3.28	3.28	3.52	6.31	12.3	5.91
PCB182	pg/g	1.56 U	2.05	1.94	0.985 U	1.2 U	2.55 U	2.5 U	1.35	1.71	1.82 U	5.87	2.81	1.94
PCB183 & 185	pg/g	148	276	313	121	111	99.3	167	200	160	170	932	386	209
PCB184	pg/g	0.717 U	2.27	2.13	0.752	0.661 U	0.595	0.853	0.969	0.867	1.01	1.22	3.26	0.882
PCB186	pg/g	0.604 U	0.704 U	0.642 U	0.628 U	0.616 U	0.645 U	0.632 U	0.62 U	0.647 U	0.644 U	0.64 U	0.673 U	0.134 J
PCB187	pg/g	385	796	835	343	313	292	456	480	461	501	2040	1040	534
PCB188	pg/g	0.828 U	2.05	2.04	0.708 U	0.672 U	0.617 U	0.979 U	1.04	0.957 U	1.05	4.31	2.21	1.49
PCB189	pg/g	1.89	3.49	3.11	1.01	1.13	0.916 U	1.58 U	2.88	1.15 U	1.41	14.9	4.09	1.8
PCB190	pg/g	56.6	104	111	54.9	47	51.9	58.3	71.4	56.3	62.1	255	141	74
PCB191	pg/g	7.07	12.3	12.6	5.54	5.14	4.35	6.07	8.66	6	6.68	50.3	15.6	9.31
PCB192	pg/g	1.4 U	1.64 U	1.49 U	1.46 U	1.43 U	1.5 U	1.47 U	1.44 U	1.5 U	1.5 U	1.49 U	1.57 U	1.5 U
PCB194	pg/g	8.64	14.7	14.6	4.79	4.81	4.07	7.16	12.7	5.07	6.11	66.2	17.9	9.97
PCB195	pg/g	26.8	51.1	54.3	18.7	20	17.3	25.1	32.1	24.8	28	168	64.4	29.6
PCB196	pg/g	19.9	37.9	39.2	15.1	14.9	12.5	18.7	28.1	17.6	19.2	138	45.6	24.8
PCB197 & 200	pg/g	9.48	19.4	19.5	7.14 U	7.45	5.85	9.89	12.1	9.67	10.4	54.9	24.5	12

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT0062	BT007	BT008	BT009	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018
	X_Easting	7619684.716	7618754.419	7620321.569	7619394.227	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774
	Y_Northing	717233.807	714978	714416.79	713913.234	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705
	Sample ID	LW2-BTLC006-2	LW2-BTLC007	LW2-BTLC008	LW2-BTLC009	LW2-BTLC010	LW2-BTLC011	LW2-BTLC012	LW2-BTLC013	LW2-BTLC014	LW2-BTLC015	LW2-BTLC016	LW2-BTLC017	LW2-BTLC018
	Sample Date	02/24/2006	01/19/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006	02/24/2006	02/24/2006	01/19/2006	02/24/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB198 & 199	pg/g	53.3	122	110	40.1	38.9	35	54.3	65.4	48.3	55.3	279	132	61.5
PCB201	pg/g	18.9	42.2	44.6	16.6	16.8	13.5	21.3	22.5	23.8	24.8	71.6	53.3	21.6
PCB202	pg/g	74.8	178	164	66	72.7	58.9	81.3	78.5	94.4	105	162	201	77.6
PCB203	pg/g	116	196	217	120	116	122	143	136	137	147	312	266	142
PCB204	pg/g	0.135 J	0.271 J	0.277 U	0.17 U	0.144 U	0.097 U	0.103 U	0.145 J	0.218 J	0.199 J	0.182 U	0.494 J	0.229 U
PCB205	pg/g	4.63	9.25	9.31	3.7	3.9	3.31	4.63	5.18	4.26	4.93	23.6	11.6	4.68
PCB206	pg/g	61.9	143	121	54.6	61.3	50.5	72.6	63.9	72	81.4	89.6	166	63
PCB207	pg/g	9.32	22	18.8	9.21	9.43	8.38	11.2	9.45	11.7	12.9	14.1	25	9.94
PCB208	pg/g	42.7	98.3	83.5	39	44	36	48.6	43.2	51.7	58.1	50.3	115	40.5
PCB209	pg/g	67.1	157	134	63.6	69.3	59.3	77.8	66.6	84.4	96.1	77.9	185	74.2
Polychlorinated biphenyls	pg/g	29700	49000	45500	21200	23000	19200	25200	27100	24700	26100	81800	167000	24600
Monochlorobiphenyl homologs	pg/g	159	409	312	170	166	143	93.3	R	170	184	205	667	127
Dichlorobiphenyl homologs	pg/g	3150	7070	6200	3410	3250	2630	2550	3470	3400	3650	5880	11800	2580
Trichlorobiphenyl homologs	pg/g	3750	7080	6160	2920	3680	2660	2810	3090	3670	3790	11600	35000	2980
Tetrachlorobiphenyl homologs	pg/g	3890	5370	4900	1850	2740	1720	2630	2220	2460	2480	17800	67500	2770
Pentachlorobiphenyl homologs	pg/g	7960	11200	10100	4590	4460	4230	5770	5980	4780	5140	12600	30300	5230
Hexachlorobiphenyl homologs	pg/g	8710	14000	13800	6470	7010	6250	9080	9710	7980	8490	23400	17000	8230
Heptachlorobiphenyl homologs	pg/g	1560	2830	3040	1330	1220	1180	1660	2070	1610	1740	8820	3640	2090
Octachlorobiphenyl homologs	pg/g	332	672	672	285	296	272	365	393	365	402	1280	817	384
Nonachlorobiphenyl homologs	pg/g	114	263	224	103	115	94.8	132	116	135	152	154	305	113

Table 4-7. Analytical Results for Tissue Samples.

Location Name		BT019	BT020	BT021	BT022	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030
X_Easting		7629737.534	7628494.987	7629274.043	7632897.164	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545
Y_Northing		703016.611	701060.171	700117.245	701768.325	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635
Sample ID		LW2-BTLC019	LW2-BTLC020	LW2-BTLC021	LW2-BTLC022	LW2-BTLC023	LW2-BTLC024	LW2-BTLC025	LW2-BTLC026	LW2-BTLC027-1	LW2-BTLC027-2	LW2-BTLC028	LW2-BTLC029	LW2-BTLC030
Sample Date		02/24/2006	01/19/2006	01/19/2006	01/19/2006	02/24/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006
Species		lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
Total solids	percent	8.4	6.08	5.76	7.24	8.7	5.71	6.53	5.11 T	6.78	6.65	7.16	6.36	8.05
Lipids	percent	0.912	1.72	0.527	1.96	1.06	2.29	0.707	0.564	0.958	0.935	0.9	0.583	1.25
Aluminum	mg/kg	65.7	26.8	15.1	15.3	13.3	17.3	30.4	7.6 T	22.8	34.7	19.8	46.1	29.1
Antimony	mg/kg	0.0012 U	0.0007	0.0006	0.0009	0.001 U	0.0007	0.0006	0.00065 T	0.0007	0.0007	0.0012	0.0009	0.0009
Arsenic	mg/kg	0.536	0.371 J	0.365 J	0.406 J	0.548	0.358 J	0.397 J	0.303 JT	0.423 J	0.379 J	0.419 J	0.379 J	0.429 J
Cadmium	mg/kg	0.0598	0.0463	0.047	0.0564	0.0666	0.0465	0.0493	0.0383 T	0.0504	0.0447	0.0582	0.048	0.0531
Chromium	mg/kg	0.22	0.22	0.21	0.24	0.24	0.17	0.21	0.14 T	0.24	0.26	0.24	0.23	0.3
Copper	mg/kg	4.59 J	3.06	3.11	4.06	5.94 J	3.51	3.62	2.64 T	3.92	3.17	3.69	3.74	3.94
Lead	mg/kg	0.069	0.037	0.033	0.047	0.056	0.048	0.04	0.038 T	0.04	0.041	0.074	0.054	0.051
Mercury	mg/kg	0.0118	0.0095	0.0092	0.0162	0.0127	0.0103	0.0083	0.00705 T	0.0078	0.0088	0.0116	0.0122	0.0089
Nickel	mg/kg	0.159 J	0.138	0.123	0.144	0.164 J	0.124	0.137	0.094 T	0.152	0.148	0.167	0.158	0.174
Selenium	mg/kg	0.232	0.072	0.079	0.097	0.235	0.101	0.122	0.0795 T	0.095	0.085	0.078	0.12	0.109
Silver	mg/kg	0.0145	0.0126	0.0132	0.015	0.0142	0.0104	0.012	0.00855 T	0.0115	0.0138	0.0155	0.0128	0.0181
Zinc	mg/kg	14.1	12.8	12.2	16.2	15.2	12.3	14	11.1 T	14.6	14.1	15.4	13.4	16.8
Butyltin ion	µg/kg	0.36 U	0.3 J	0.29 J	2.6	15	0.67 J	0.26 J	1.2	0.54 J	0.24 J	0.6 J	0.45 J	0.25 J
Dibutyltin ion	µg/kg	1.1 U	0.93 J	0.84 U	4.2	120 J	1.3	0.7 U	2.6	1.1	0.99 J	0.97 J	1.3	0.82 U
Tributyltin ion	µg/kg	16	1.1	1.2 U	34	680	1.7 U	1.2 U	11	4.6	3.2	1.1 U	3.7	0.89 U
Tetrabutyltin	µg/kg	0.067 U	0.067 U	0.067 U	0.067 U	0.67 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U
2-Methylnaphthalene	µg/kg	0.95 J	0.67 U	0.74 U	0.83 J	0.94 J	0.73 U	0.68 U	0.59 J	0.62 U	0.75 U	0.64 U	0.75 U	0.49 U
Acenaphthene	µg/kg	0 51	0.23 J	0.27 J	0.35 J	0.63	0.18 J	0.34 J	0.2 J	0.22 J	0.22 J	0.53	0.16 J	0.61
Acenaphthylene	µg/kg	0.58	0.092 U	0.092 U	0.092 U	0.37 J	0.25 J	0.092 U	0.092 U	0.092 U	0.092 U	0.32 J	0.3 J	0.33 J
Anthracene	µg/kg	1.2	0.58	0.95	0.81	2	0.52	0.59	0.73	1.9	1	2	0.56	1.6
Fluorene	µg/kg	1.2	0.58	0.66	0.7	1.2	0.62	0.63	0.5	0.63	0.66	1.6	0.62	1.9
Naphthalene	µg/kg	1.1 U	0.58 U	0.56 U	0.73 U	1.1 U	0.54 U	0.61 U	0.83 U	0.57 U	0.63 U	0.54 U	0.58 U	0.33 U
Phenanthrene	µg/kg	7.6	3.9	4.4	4.9	11	3.5	5.3	3.7	5.1	4	8.7	3.6	13
Low Molecular Weight PAH	µg/kg													
Dibenzo(a,h)anthracene	µg/kg	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	0.11 U	1.4	0.11 U	0.11 U	0.11 U	0.11 U	0.24 J
Benzo(a)anthracene	µg/kg	1.5	0.66	1.6	1.6	2.8	0.47 J	0.39 J	2.8	0.81	0.65	2.1	0.61	1.6
Benzo(a)pyrene	µg/kg	0.47 J	0.54	0.49 J	0.63	0.88	0.54	0.12 U	3.6	0.57	0.12 U	0.63	0.67	0.61
Benzo(b)fluoranthene	µg/kg	0.66	0.15 U	0.67	0.93	0.97	0.15 U	0.15 U	14	0.3 J	0.15 U	0.8	0.61	0.65
Benzo(g,h,i)perylene	µg/kg	0.21 J	0.17 U	0.28 J	0.57	0.32 J	0.17 U	0.17 U	5.8	0.17 U	0.17 U	0.38 J	0.4 J	0.36 J
Benzo(k)fluoranthene	µg/kg	0.32 J	0.13 U	0.25 J	0.42 J	0.41 J	0.13 U	0.13 U	5.2	0.13 U	0.13 U	0.13 U	0.36 J	0.32 J
Chrysene	µg/kg	3.3	1.6	3.6	4.8	6.3	1.6	1.7	24	1.9	1.7	6.2	3	3
Fluoranthene	µg/kg	20	7.5	14	9.5	19	5.3	7.5	9.6	8.1	6.7	18	5.5	26
Indeno(1,2,3-cd)pyrene	µg/kg	0 16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	0.16 U	6	0.16 U	0.16 U	0.16 U	0.16 U	0.25 J
Pyrene	µg/kg	18	7.5	17	14	24	5.2	6.8	13	6.7	5.9	26	8.5	21
High Molecular Weight PAH	µg/kg													
Polycyclic Aromatic Hydrocarbons	µg/kg													
1,2,4-Trichlorobenzene	µg/kg	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
1,2-Dichlorobenzene	µg/kg	12 U	12 UJ	12 UJ	12 UJ	12 U	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ	12 UJ
1,3-Dichlorobenzene	µg/kg	11 U	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ
1,4-Dichlorobenzene	µg/kg	11 U	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ
Benzyl alcohol	µg/kg	12 J	6.7 UJ	7.7 J	14 J	22 J	8.7 J	6.7 UJ	6.7 J	7.3 J	6.8 J	12 J	9.5 J	19 J
Dibenzofuran	µg/kg	0.52	0.27 J	0.32 J	0.4 J	0.37 J	0.27 J	0.28 J	0.25 J	0.32 J	0.39 J	0.54	0.28 J	0.6
Hexachlorobenzene	µg/kg	0.0552 U	0.106 J	0.0388 J	0.0866 J	0.0502 J	0.0959 J	0.0352 J	0.0352 J	0.0695 J	0.0649 J	0.0882 J	0.0373 J	0.0441 J
Hexachlorobutadiene	µg/kg	8.5 U	0.0072 UJ	0.00417 UJ	8.5 U	0.0117 UJ	0.0082 UJ	8.5 U	8.5 U	0.00796 UJ	0.00757 UJ	0.0113 UJ	8.5 U	0.00793 UJ
Hexachloroethane	µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 UJ	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
N-Nitrosodiphenylamine	µg/kg	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
Dimethyl phthalate	µg/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.6 J	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Diethyl phthalate	µg/kg	9.4 U	12 J	9.4 U	11 J	19 J	9.4 U	9.4 U	9.4 U	12 J	13 J	14 J	9.4 U	14 J
Dibutyl phthalate	µg/kg	200 U	16 U	16 U	16 U	190 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U
Butylbenzyl phthalate	µg/kg	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 UJ	14 U	14 U	14 U	14 U	14 U
Di-n-octyl phthalate	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
Bis(2-ethylhexyl) phthalate	µg/kg	63 J	69 J	53 U	55 J	81 J	53 U	69 J	92 J	53 U	71 J	8600	53 U	53 U

Table 4-7. Analytical Results for Tissue Samples.

Location Name	BT019	BT020	BT021	BT022	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030
X_Easting	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545
Y_Northing	703016.611	701060.171	700117.245	701768.325	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635
Sample ID	LW2-BTLC019	LW2-BTLC020	LW2-BTLC021	LW2-BTLC022	LW2-BTLC023	LW2-BTLC024	LW2-BTLC025	LW2-BTLC026	LW2-BTLC027-1	LW2-BTLC027-2	LW2-BTLC028	LW2-BTLC029	LW2-BTLC030
Sample Date	02/24/2006	01/19/2006	01/19/2006	01/19/2006	02/24/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006
Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
2,4-Dimethylphenol	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
2-Methylphenol	µg/kg	53 U	53 U	68 J	53 U	53 U	53 U	53 U	53 U	53 U	53 U	53 U	53 U	53 U
4-Methylphenol	µg/kg	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Pentachlorophenol	µg/kg	31 U	R	R	R	31 U	R	R	R	R	R	R	R	R
Phenol	µg/kg	17 U	17 U	17 U	17 U	17 U	17 J	17 U	17 U	17 U	17 U	17 U	28 J	17 U
2,4'-DDD	µg/kg	0.16 J	1.41	0.411	0.597	0.183 J	0.494	0.176 J	0.094 J	0.165 J	0.121 J	2.4	0.155 J	0.185 J
2,4'-DDE	µg/kg	0.0138 J	0.0664 J	0.0278 J	0.0848 J	0.0343 U	0.0658 J	0.027 J	0.0155 J	0.0158 J	0.0139 J	0.429	0.0139 J	0.025 J
2,4'-DDT	µg/kg	0.0277 J	0.091 J	0.0622 U	0.0682 J	0.0244 U	0.064 J	0.054 U	0.0384 U	0.0261 J	0.0388 J	0.0433 J	0.0587 U	0.0418 J
4,4'-DDD	µg/kg	0.558	4.85	1.27	2.39	0.558	2.2	0.727	0.434	0.615	0.484	8.15	0.451	0.898
4,4'-DDE	µg/kg	0.866	2.06	0.847	2.44	1.01	2.59	1.01	0.576	0.832	0.731	6.68	0.645	1.23
4,4'-DDT	µg/kg	0.0919 J	0.314	0.119 J	0.228 J	0.125 U	0.247 J	0.101 J	0.075 J	0.0967 J	0.121 J	0.103 J	0.0898 U	0.148 J
Total of 4,4'-DDD, -DDE, -DDT	µg/kg													
Aldrin	µg/kg	0.03 J	0.0396 J	0.0171 U	0.0461 J	0.0359 J	0.0493 J	0.0216 U	0.0167 J	0.0197 J	0.0175 U	2.14	0.0181 J	0.0246 J
alpha-Hexachlorocyclohexane	µg/kg	0.0128 J	0.0136 U	0.00679 J	0.00935 U	0.0114 U	0.0127 U	0.0101 J	0.0101 J	0.00607 J	0.01 U	0.00798 J	0.00854 U	0.00882 J
beta-Hexachlorocyclohexane	µg/kg	0.0413 U	0.0517 U	0.0414 U	0.0416 U	0.0409 UJ	0.0433 U	0.00249 U	0.0414 U	0.00156 U	0.00179 U	0.0417 U	0.0406 U	0.00135 U
delta-Hexachlorocyclohexane	µg/kg	0.001 U	0.002 U	0.0361 U	0.0181 U	0.001 U	0.0189 U	0.001 J	0.001 U	0.0182 U	0.0183 U	0.0182 U	0.0177 U	0.0182 U
gamma-Hexachlorocyclohexane	µg/kg	*0.0835 J*	*0.0978 J*	*0.0307 U*	*0.0803 J*	*0.0694 U*	*0.0978 J*	*0.0575 J*	*0.0392 J*	*0.051 J*	*0.0519 J*	*0.0319 J*	*0.0488 J*	*0.0477 J*
cis-Chlordane	µg/kg	0.783	1.34	0.438 J	1.07	0.827	1.39	0.616	0.414 J	0.533	0.549	2.29	0.569	0.763
trans-Chlordane	µg/kg	0.452 J	0.877	0.303 J	0.785	0.467	0.94	0.409 J	0.26 J	0.339 J	0.364 J	2.81	0.363 J	0.512
Oxychlordane	µg/kg	0.0543 J	0.135 J	0.0339 U	0.0779 J	0.0611 J	0.122 J	0.0456 J	0.0493 J	0.0609 J	0.0478 U	0.0583 J	0.0387 J	0.0692 J
cis-Nonachlor	µg/kg	0.39 J	0.765	0.238 J	0.673	0.493	0.761	0.314 J	0.234 J	0.328 J	0.281 J	0.498	0.28 J	0.411 J
trans-Nonachlor	µg/kg	1.16	2.55	0.774	1.85	1.2	2.28	0.908	0.657	0.993	0.933	1.55	0.892	1.31
Total Chlordanes	µg/kg													
Dieldrin	µg/kg	0.21	0.626	0.178 J	0.319	0.197	0.531	0.232	0.162 J	0.222	0.189	4.14	0.186	0.299
alpha-Endosulfan	µg/kg	0.0238 U	0.049 J	0.015 J	0.0125 U	0.016 U	0.0104 U	0.012 U	0.008 U	0.0139 U	0.0195 U	0.0114 U	0.003 U	0.0192 U
beta-Endosulfan	µg/kg	0.0613 U	0.025 J	0.02 U	0.0308 J	0.0607 U	0.0638 U	0.015 U	0.031 U	0.0614 U	0.0619 U	0.0614 U	0.021 U	0.0284 J
Endosulfan sulfate	µg/kg	0.041 J	0.075 J	0.036 J	0.0513 J	0.021 J	0.0492 U	0.018 U	0.021 J	0.0467 J	0.0416 U	0.0392 U	0.03 J	0.027 U
Endrin	µg/kg	0.0253 U	0.019 U	0.004 U	0.00719 U	0.0251 U	0.0114 U	0.004 U	0.004 U	0.00289 U	0.00368 U	0.0616 J	0.006 U	0.00812 U
Endrin aldehyde	µg/kg	0.019 U	0.0236 U	0.0379 U	0.019 U	0.0189 U	0.0198 U	0.001 U	0.0189 U	0.0191 U	0.0192 U	0.0191 U	0.0186 U	0.0191 U
Endrin ketone	µg/kg	0.0396 U	0.004 U	0.0789 U	0.0396 U	0.0393 U	0.0412 U	0.0388 U	0.0394 U	0.0397 U	0.0401 U	0.0108 J	0.0387 U	0.0398 U
Heptachlor	µg/kg	0.0223 J	0.0534 J	0.0242 J	0.045 J	0.0273 U	0.048 J	0.0244 U	0.012 U	0.0205 J	0.0211 J	0.0194 J	0.0185 J	0.027 J
Heptachlor epoxide	µg/kg	0.026 J	0.075 J	0.023 J	0.0429 J	0.025 J	0.0748 J	0.033 J	0.024 J	0.0342 J	0.0264 J	0.0287 J	0.03 J	0.0461 J
Methoxychlor	µg/kg	0.019 U	0.0284 U	0.005 U	0.0189 U	0.0188 U	0.022 U	0.0185 U	0.004 U	0.0197 U	0.0192 U	0.019 U	0.0185 U	0.019 U
Chlordane (cis & trans)	µg/kg													
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.117 J	0.168 J	0.076 J	0.136 J	0.102 J	0.154 U	0.118 U	0.067 U	0.078 U	0.098 U	0.82	0.075 J	0.094 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.074 U	0.071 U	0.096 U	0.234 J	0.071 U	0.123 U	0.052 U	0.056 U	0.07 U	0.065 U	0.168 U	0.061 J	0.074 U
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.165 U	0.205 U	0.164 U	0.14 J	0.164 U	0.081 U	0.052 U	0.164 U	0.166 U	0.167 U	0.107 J	0.161 U	0.166 U
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.356 J	0.194 U	0.149 J	1.06 J	0.139 J	0.332 U	0.144 U	0.154 U	0.113 J	0.121 J	0.62 J	0.124 U	0.092 U
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.081 U	0.091 U	0.061 J	0.205 U	0.07 U	0.106 U	0.0926 U	0.0942 U	0.0949 U	0.089 J	0.172 J	0.0924 U	0.063 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	1.94	1.04 J	0.587 J	3.54	0.568 J	1.44	0.656 J	0.682 J	0.382 U	0.417 J	4.06	1.09 U	0.428 J
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.23 J	0.895	0.444	0.909	0.291 U	0.722	0.278	0.253 U	0.271 U	0.242	0.445	0.305	0.354
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.064 J	0.09 U	0.071 U	0.157 J	0.134 U	0.106 U	0.062 U	0.051 J	0.051 J	0.081 U	0.085 J	0.132 U	0.05 U
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.17 J	0.199 U	0.135 U	0.286 J	0.091 J	0.243 J	0.115 U	0.09 J	0.095 J	0.109 J	0.199 U	0.125 U	0.111 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.177 U	0.124 U	0.081 J	0.186 U	0.076 U	0.103 J	0.054 J	0.084 U	0.05 J	0.071 U	0.134 U	0.05 U	0.051 U
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0934 U	0.116 U	0.093 U	0.067 U	0.0926 U	0.0972 U	0.0914 U	0.093 U	0.0936 U	0.0945 U	0.078 U	0.0912 U	0.062 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.132 U	0.164 U	0.132 U	0.06 U	0.131 U	0.138 U	0.129 U	0.132 U	0.133 U	0.081 J	0.061 J	0.129 U	0.133 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.075 U	0.076 J	0.061 J	0.137 J	0.067 J	0.127 J	0.107 U	0.058 J	0.084 J	0.075 U	0.112 J	0.052 U	0.128 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.541 U	0.227 J	0.162 J	0.525 U	0.18 U	0.324 U	0.194 J	0.186 U	0.108 U	0.166 U	0.667 J	0.237 J	0.212 U
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.132 U	0.163 U	0.057 J	0.058 J	0.13 U	0.137 U	0.129 U	0.131 U	0.132 U	0.061 U	0.099 U	0.128 U	0.059 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.765	1.75	0.779	1.8	0.81	1.46	0.527	0.0495 U	0.652	0.519	2.12	0.562	1.04
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.319	0.209	0.182	0.809	0.116 U	0.065	0.187	0.129	0.117 U	0.118 U	0.053	0.165	0.088
Hexachlorodibenzo-p-dioxin homologs	pg/g	1.25	0.532	0.429	4	0.401	0.565	0.072	0.253	0.355	0.211	2.55	0.18	0.063
Heptachlorodibenzo-p-dioxin homologs	pg/g	4.95	2.51	1.48	8.64	1.27	3.88	1.46	1.55	0.44	1.03	8.52	1.25	1.24
Octachlorodibenzo-p-dioxin	pg/g	15.2	10.7	5.57	25	4.82	17	7.19	5.67	3.59	3.71	39.4	8.38	5.66

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT019	BT020	BT021	BT022	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030
	X_Easting	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545
	Y_Northing	703016.611	701060.171	700117.245	701768.325	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635
	Sample ID	LW2-BTLC019	LW2-BTLC020	LW2-BTLC021	LW2-BTLC022	LW2-BTLC023	LW2-BTLC024	LW2-BTLC025	LW2-BTLC026	LW2-BTLC027-1	LW2-BTLC027-2	LW2-BTLC028	LW2-BTLC029	LW2-BTLC030
	Sample Date	02/24/2006	01/19/2006	01/19/2006	01/19/2006	02/24/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
Tetrachlorodibenzofuran homologs	pg/g	2.73	3.81	1.83	5.12	1.95	4.8	1.79	1.98	1.67	1.11	3.74	1.44	3.26
Pentachlorodibenzofuran homologs	pg/g	2.95	1.48	0.548	5.43	0.81	2.55	0.63	0.948	0.792	0.566	2.34	0.132 U	1.25
Hexachlorodibenzofuran homologs	pg/g	3.37	0.531	0.862	4.66	1.03	1.65	0.299	0.811	0.383	0.259	2.84	0.711	0.865
Heptachlorodibenzofuran homologs	pg/g	1.03	0.719	0.369	1.71	0.432	0.761	0.457	0.621	0.16	0.183	3.38	0.751	0.238
Octachlorodibenzofuran	pg/g	0.608 J	0.419 J	0.229 J	1.01 J	0.262 U	0.789 J	0.32 U	0.382 J	0.205 U	0.313 U	3.3	0.494 U	0.223 U
Aroclor 1016	pg/g	0.913 U	1.44 U	1.84 U	0.969 U	1.15 U	0.806 U	0.86 U	0.89 U	0.505 U	0.767 U	6 U	0.993 U	3.63 U
Aroclor 1221	pg/g	0.474 U	0.745 U	0.955 U	0.495 U	0.482 U	0.352 U	0.446 U	0.462 U	0.262 U	0.398 U	0.685 U	0.515 U	1.88 U
Aroclor 1232	pg/g	0.232 U	0.494 U	0.753 U	0.526 U	0.316 U	0.331 U	0.465 U	0.286 U	0.253 U	0.396 U	0.3 U	0.562 U	1.33 U
Aroclor 1242	pg/g	11500 NJ	20900 NJ	8860 NJ	22900 NJ	11400 NJ	23400 NJ	9580 NJ	6880 NJ	10100 NJ	9830 NJ	6.67 U	9060 NJ	13400 NJ
Aroclor 1248	pg/g	1.99 U	1.85 U	2.81 U	3.45 U	13.2 U	8.51 U	1.84 U	2.1 U	3.16 U	3.73 U	121000 NJ	1.31 U	5.42 U
Aroclor 1254	pg/g	7350 NJ	18300 NJ	7280 NJ	32200 NJ	11400 NJ	30300 NJ	7280 NJ	11200 NJ	8490 NJ	7560 NJ	6.2 U	8270 NJ	11400 NJ
Aroclor 1260	pg/g	3690 NJ	5070 NJ	2870 NJ	8610 NJ	4010 NJ	6370 NJ	3420 NJ	5770 NJ	4890 NJ	3220 NJ	6660 NJ	3460 NJ	4260 NJ
Aroclors	pg/g													
PCB001	pg/g	169	303	120	256	149	319	166 J	127	163	117	167	142	190
PCB002	pg/g	13.8	24	8.29	21.9	11.9	24.7	11.7	9.04	12	8.55	14.4	9.6	13.5
PCB003	pg/g	59.6	107	38	98.2	42.1	108	49.1	36.3	53	35.5	60.4	40.3 J	68.2
PCB004	pg/g	757	1070 J	848	1000	765	1070	978 J	769 J	933	845	2540	884 J	990
PCB005	pg/g	40.3	64.2 J	29.3	67.9	41.2	68.9	36.4 J	28 J	38.2	36.8	81.5	36.6 J	43.8
PCB006	pg/g	309	506 J	296	536	325	524	332 J	238 J	329	320	965	336 J	366
PCB007	pg/g	77.7	136 J	45.2	134	69.2	152	55 J	42.5 J	65.3	58.6	127	55.2 J	94.4
PCB008	pg/g	1850	3490 J	1250	3850	1350	3930	1520 J	1090 J	1680	1600	5040	1450 J	2200
PCB009	pg/g	98.9	177 J	59.2	166	109	201	72.2 J	56.4 J	77.5	72.7	192	72.1 J	108
PCB010	pg/g	31.2	39.2 J	20.1	38.6	35.9	47.6	21.7 J	18.8 J	26.9	25	74.7	22.8 J	31.7
PCB011	pg/g	312	647	248	586	321	592	315	216	284	309	274	270	334
PCB012 & 013	pg/g	75.8	170	60.6	153	63	149	69.9	51.5	66.4	66.5	178	63.8	87.1
PCB014	pg/g	0.751 U	0.919 U	1.84 U	0.744 U	0.739 U	0.345 J	0.724 U	0.742 U	0.747 U	0.752 U	0.589	0.728 U	5.93 U
PCB015	pg/g	472	1030	347	869	491	911	444	309	395	401	1570	389	583
PCB016	pg/g	316	333	252	443	314	451	260 J	208	303	287	4280	251	324
PCB017	pg/g	371	653	300	801	403	890	288 J	269	355	332	4880	281	459
PCB018 & 030	pg/g	636	737	623	950	771	952	571 J	381	615	586	9830	564	725
PCB019	pg/g	87.9	115	89	130	97.8	129	96.5 J	134	141	119	1310	91.7	104
PCB020 & 028	pg/g	742	1480	608	1570	935	1630	625	472	616	615	12500	563	862
PCB021 & 033	pg/g	338	725	293	759	289	767	325	240	297	294	6240	285	432
PCB022	pg/g	259	573	236	556	252	630	252 J	188	228	219	4000	214	336
PCB023	pg/g	1.08	2.3	0.741 J	2.19	1.28	2.4	0.848 J	0.665	0.925 U	0.834	10.7	0.863	1.58 J
PCB024	pg/g	10.8	13.1	7.82	15.2	9.66	17.3	7.77 J	6.99	8.24	8.33	106	8.07	11
PCB025	pg/g	54.2	121	43.2	123	65.5	126	46.6	41.5	48.2	47.1	811	43.7	65
PCB026 & 029	pg/g	98.7	206	88.3	198	130	212	92.5	72.8	87.9	86	1670	85.6	120
PCB027	pg/g	57.4	55.3	49.9	72.8	67.9	72.9	47.9 J	50.5	55.1	52.3	734	50.1	63.9
PCB031	pg/g	586	1250	476	1250	763	1290	478	346	473	478	10800	445	693
PCB032	pg/g	182	325	146	344	210	402	142 J	140	154	142	2840	136	239
PCB034	pg/g	2.26	5.12	2.41	6.22	2.9	7.53	2.05 J	1.56	1.89	1.74	58.5	1.85	2.54 J
PCB035	pg/g	10.3	20.8	7.11	19.5	10.4	17.2	8.78	6.44	7.02	8.2	94.3	7.57	10.4
PCB036	pg/g	2.32	3.9	1.14 J	3.48	2.82	3.15	1.45	1.01 U	1.32	1.51	1.75 U	1.43	1.89 J
PCB037	pg/g	64.2	155	66.2	146	74.7	172	65.6	48.7	57.1	56.3	2210	54.5	89
PCB038	pg/g	0.585 U	0.715 U	1.43 U	0.579 U	0.575 U	0.333 U	0.37 U	0.578 U	0.287 J	0.201 U	4.31	0.273 U	4.62 U
PCB039	pg/g	0.575 U	5.67	3.23	6.98	3.84	7.11	2.8	1.93	2.05	2.05	60.8	2.27	3.87 J
PCB040 & 041 & 071	pg/g	121	232	162	334	155	375	125	175	121	106	5060	102	166
PCB042	pg/g	194	272	159	315	244	364	169	155	164	148	2330	152	214
PCB043	pg/g	9.63	19.6	11.1	25.6	16.3	32.3	8.13	6.98	8.24	7.53	404	6.98	11.9
PCB044 & 047 & 065	pg/g	485	651	474	1060	738	1010	424	811	492	428	8070	441	571
PCB045 & 051	pg/g	59.1	91.9	61.9	184	90.3	158	46	271	75.3	64.2	2030	54.9	69.3
PCB046	pg/g	13.2	28.5	16	40	20.5	48.9	12	18.5	12.7	11	695	10.4	17.7
PCB048	pg/g	80.7	167	82.8	166	115	228	70.2	54.6	68.8	59.6	2090	60.3	94.3

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT019	BT020	BT021	BT022	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030
	X_Easting	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545
	Y_Northing	703016.611	701060.171	700117.245	701768.325	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635
	Sample ID	LW2-BTLC019	LW2-BTLC020	LW2-BTLC021	LW2-BTLC022	LW2-BTLC023	LW2-BTLC024	LW2-BTLC025	LW2-BTLC026	LW2-BTLC027-1	LW2-BTLC027-2	LW2-BTLC028	LW2-BTLC029	LW2-BTLC030
	Sample Date	02/24/2006	01/19/2006	01/19/2006	01/19/2006	02/24/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB049 & 069	pg/g	177	362	180	773	431	728	142	335	187	157	5020	132	226
PCB050 & 053	pg/g	66.3	67.7	63.6	122	99.3	106	52.3	189	94	70.9	1430	61.4	86.9
PCB052	pg/g	286	518	342	1060	732	1050	263	434	335	272	8390	258	401
PCB054	pg/g	4.9	4.4	2.11 U	12.4	5.06	5.13	1.45	31.1	10.6	10.7	30	3.93	1.85 J
PCB055	pg/g	1.94 U	2.37 U	4.76 U	7.96	2.31 U	8.94	1.87 U	1.92 U	2.35	2.34	111	1.88 U	2.65 J
PCB056	pg/g	97.8	219	124	235	135	300	108	84.1	90.4	78.2	3200	84.1	137
PCB057	pg/g	0.739 U	1.9 U	1.17 J	2.37	2.25 U	2.27	0.83	0.91	0.907	2.15 U	33.5	0.715	1.23 J
PCB058	pg/g	0.503 J	1.91	1.1 U	9.01	2.53	5.94	0.775 U	1.47	0.601	1.65 U	17.3	1.6 U	1.58 J
PCB059 & 062 & 075	pg/g	33.4	45.2	34.3	71.7	56.2	72.2	30.6	35.6	30.2	27.2	782	28.9	38.2
PCB060	pg/g	47.1	110	51.8	93	49.1	123	46.3	32.5	44.2	38.4	1510	36.4	60.2
PCB061 & 070 & 074 & 076	pg/g	355	911	462	1290	734	1510	357	360	343	296	12900	319	498
PCB063	pg/g	10.7	26.2	12.7	34.8	20	43.2	10.1	12.4	10.3	8.41	266	9.14	14.3
PCB064	pg/g	100	222	125	311	164	391	94.4	86.9	87	78.1	3940	74.9	123
PCB066	pg/g	246	622	299	823	413	938	237	230	231	203	6820	202	335
PCB067	pg/g	9.48	23.5	9.62	21.4	12.2	27.2	8.75	9.91	8.47	7.09	206	7.68	12.6
PCB068	pg/g	3.02	7.09	3.05	27.4	8.05	15.9	2.77	10.9	3.96	3.55	26.1	3.03	4.46 J
PCB072	pg/g	3.01	6.6	3.53	31.6	13.3	21	2.91	7.51	3.4	2.88	44.6	2.88	4.97
PCB073	pg/g	1.66 U	2.03 U	4.07 U	6.26	1.63 U	1.72 U	1.6 U	11.9	2.29	1.96	1.65 U	1.61 U	13.1 U
PCB077	pg/g	31.4	72.6	31.5	76.1	38.8	84.9	29.2	26.5	28.5	24.9	497	26.1	40.3
PCB078	pg/g	1.22 U	1.49 U	3 U	1.21 U	2.33 U	1.5 U	1.18 U	1.21 U	1.21 U	1.22 U	3.81 U	1.18 U	9.65 U
PCB079	pg/g	17.5	35.4	17.1	42	27.1	39.7	20.3	22.1	16.8	15	46.1	23.8	22.4
PCB080	pg/g	2.12 U	2.59 U	5.2 U	0.752 U	2.08 U	2.19 U	2.04 U	2.09 U	2.11 U	2.12 U	3.36 U	2.05 U	16.7 U
PCB081	pg/g	1.11	3.99 U	1.48 U	2.61	2.44 U	4.12 U	1.45 U	1.11 U	1.45 U	1.11 U	16.3	1.15 U	3.88 U
PCB082	pg/g	22.4	51.7	29.9	153	39.1	158	25.8	34.5	23.1	21.5	557	24.1	43.1
PCB083 & 099	pg/g	432	1220	424	2190	726	1960	421	725	522	442	2480	474	715
PCB084	pg/g	52.4	127	73.7	533	177	478	57.4	128	56.9	53.8	1300	61.5	106
PCB085 & 116 & 117	pg/g	112	279	115	450	158	513	112	137	115	112	861	110	169
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	487	1070	486	1830	696	1820	489	669	540	503	3020	560	711
PCB088 & 091	pg/g	52.3	124	55.3	460	120	351	51.9	243	77.9	64	703	65.2	94.1
PCB089	pg/g	2.06	5.16	3.81	13.6	4.18	15	2.67	3.69	2.79	2.31	102	2.32	3.72 J
PCB090 & 101 & 113	pg/g	668	1870	658	3460	1140	3100	652	1260	790	697	4090	772	1070
PCB092	pg/g	90.5	222	89.5	651	204	465	93	254	140	96.7	695	109	165
PCB093 & 095 & 098 & 100 & 102	pg/g	399	691	459	1990	773	1600	421	1050	539	457	3320	541	723
PCB094	pg/g	2.42	3.43	1.9 U	22.5	4.9	10.6	1.71	31.7	6.94	3.71	33	3.53	3.47 J
PCB096	pg/g	2.1	3.57	2.2	17.1	5.15	11.8	1.68	19.2	4.73	3.19	55.1	2.7	3.22 U
PCB103	pg/g	5.02	8.07	4.31	85.8	17.1	30.7	4.17	49.4	16.7	10.1	32.5	7.83	10.8
PCB104	pg/g	0.612	0.387 J	0.284 U	2.69	0.612	0.729	0.177 J	5.2	1.36	1.05	0.842	0.545 J	0.535 U
PCB105	pg/g	321	825	304	964	398	1140	300	311	308	295	1560	321	409
PCB106	pg/g	2.28 U	0.892 U	1.79 U	3.23 U	2.19 U	3.59 U	0.703 U	0.721 U	1.2 U	1.2 U	3.63 U	0.707 U	5.76 U
PCB107 & 124	pg/g	29.5	76.5	27.5	93.7	38.2	104	29.1	30.4	28.3	26.4	131	30.5	41.4
PCB109	pg/g	70.8	172	58.8	268	103	251	56.6	76.2	76.5	62	264	62.4	97.8
PCB110 & 115	pg/g	610	1490	623	3150	1030	2810	610	962	655	624	4650	686	1010
PCB111	pg/g	0.6 U	1.63	0.445 J	5.99	1.23	2.5	0.669	2.4	2.29	0.788	1.36	0.764	1.57 U
PCB112	pg/g	0.639 U	0.781 U	1.57 U	0.666 U	0.628 U	0.66 U	0.616 U	0.631 U	0.635 U	0.64 U	0.635 U	0.619 U	5.04 U
PCB114	pg/g	17	46.9	17.2	53.6	21.4	64.6	17.4	18.1	18	17.1	95.6	18.1	23.5
PCB118	pg/g	1840	3940	1810	4750	2160	5140	1810	1980	1900	1790	4360	2050	2260
PCB120	pg/g	5.49	12.8	4.68	29.4	8.51	18.3	5.45	11.2	10.7	5.79	11	5.78	9.06
PCB121	pg/g	0.398 U	0.518 U	0.317 U	3.51	0.582	0.79	0.255 J	2.46	1.62	0.767	0.605	0.42 J	0.941 J
PCB122	pg/g	6.35	13.7	8.53	21.8	8.59	23.5	5.78	6.78	5.35	6.11	48	5.94	7.04 U
PCB123	pg/g	37.6	77.6	39.6	73.9	40.9	90.7	42.7	39.2	39.1	36.7	92.4	42.2	41.9
PCB126	pg/g	2.92 U	7.11	3.15	8.47	3.11 U	7.84	2.96	2.74	2.92	3.15	9.67	3.17	3.93 J
PCB127	pg/g	2.45 U	2.33	1.61	3.83	2.36 U	4.25	1.67	1.56	1.72	1.68	3.77 U	1.63	7.19 U
PCB128 & 166	pg/g	206	392	151	600	245	563	152	202	156	159	436	156	223
PCB129 & 138 & 160 & 163	pg/g	2180	4190	1860	5760	2620	5020	1720	2590	2050	1790	3890	1860	2510

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT019	BT020	BT021	BT022	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030
	X_Easting	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545
	Y_Northing	703016.611	701060.171	700117.245	701768.325	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635
	Sample ID	LW2-BTLC019	LW2-BTLC020	LW2-BTLC021	LW2-BTLC022	LW2-BTLC023	LW2-BTLC024	LW2-BTLC025	LW2-BTLC026	LW2-BTLC027-1	LW2-BTLC027-2	LW2-BTLC028	LW2-BTLC029	LW2-BTLC030
	Sample Date	02/24/2006	01/19/2006	01/19/2006	01/19/2006	02/24/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB130	pg/g	93.7	186	66.5	303	126	252	66.9	98	84.8	71.3	194	72.6	100
PCB131	pg/g	9.3	21.6	8.49	40.3	14.6	37.1	7.56	13.3	8.14	7.72	40	8.6	13.5
PCB132	pg/g	153	328	144	998	273	716	129	398	197	146	845	161	251
PCB133	pg/g	24.8	50.8	18.7	114	33.2	68.2	18.5	42.9	59.2	21.7	45.4	21	34.5
PCB134 & 143	pg/g	33.5	69.2	27.7	184	58.2	133	27.7	83	42	28.7	141	36.5	51.9
PCB135 & 151 & 154	pg/g	234	495	213	1500	393	868	194	737	492	239	900	264	470
PCB136	pg/g	42.4	89	44.6	428	88.7	252	37.9	209	83.1	51.6	303	58.3	86.6
PCB137	pg/g	58.4	105	48	109	67.9	117	48.5	49.1	46.7	49.3	100	52.4	55.8
PCB139 & 140	pg/g	16.8	40.2	14.3	83.4	25.2	62	13.5	27	36.2	15.3	47.6	16.4	24.1
PCB141	pg/g	49.3	66.2	36.1	160	66.3	129	31.7	98.1	37.5	31.9	161	43.6	50.8
PCB142	pg/g	0.74 U	0.732 U	1.47 U	1.2 U	0.866 U	3.44 U	0.577 U	0.591 U	0.615 U	0.599 U	1.27 U	0.58 U	4.73 U
PCB144	pg/g	25.1	58	22.7	137	39	100	20.3	69	24.5	24	120	28.4	39.2
PCB145	pg/g	0.118 U	0.381 J	0.214 U	0.98	0.346 J	0.991	0.124 J	0.185 J	0.193 U	0.134 U	1.12	0.191 U	0.363 U
PCB146	pg/g	294	583	246	988	406	736	237	416	525	251	509	259	389
PCB147 & 149	pg/g	700	1600	669	3310	998	2330	618	1650	976	692	2220	766	1190
PCB148	pg/g	1.79	3.55	1.62	24.3	3.46	6.73	1.52	9.73	12.1	2.51	3.65	2.06	4.57 J
PCB150	pg/g	1.21	2.01	1.08 U	19.5	2.3	5.26	0.955	11.5	9.05	2.17	2.81	1.79	2.48 J
PCB152	pg/g	0.633	0.917	0.409 J	5.08	1.05	2.51	0.429 J	6.21	1.5	0.739	2.52	0.779	0.81 J
PCB153 & 168	pg/g	4280	5800	3480	7590	4800	6450	3500	4190	4030	3630	5350	3750	4750
PCB155	pg/g	1.04	2.46	0.941 J	2.98	1.04	2.23	0.898	1.17	1.3	1.13	0.944 U	0.891 U	1.51 J
PCB156 & 157	pg/g	139	271	123	326	162	328	135	167	142	131	291	144	162
PCB158	pg/g	145	323	118	426	193	402	114	189	127	120	328	128	165
PCB159	pg/g	2.22	3.73 U	2.71 U	13.2	2.95 U	7.48	2.25	8.11	5.11	1.83	8.88	2.57	4.7
PCB161	pg/g	0.677 U	0.827 U	1.66 U	0.83 U	0.665 U	2.4 U	0.652 U	0.668 U	0.673 U	0.678 U	0.874 U	0.655 U	5.34 U
PCB162	pg/g	4.55	10.1	3.04	12	5.76	11.6	3.52	3.4	3.24	3.49	7.82	3.22	5.1
PCB164	pg/g	53.6	101	40.8	220	82.1	171	43.2	99.5	67.6	40.5	166	47.9	74.4
PCB165	pg/g	0.769 U	1.2	1.07 U	4.84	0.886 U	2.72 U	0.515 J	2.65	3.65	0.828	0.974 U	0.421 U	3.43 U
PCB167	pg/g	207	271	196	333	219	310	208	209	202	192	250	214	215
PCB169	pg/g	1.45 U	1.62 U	1.48 U	2.31 U	1.82 U	1.69 U	0.792 U	1.55	1.11 U	0.583 U	1.46 U	1.26 U	4.26 U
PCB170	pg/g	37.2	75.7	34.3	219	46.9	140	36.7	142	100	37.9	171	45	56.1
PCB171 & 173	pg/g	64.3	116	48.9	270	78.7	177	52.2	149	93.4	57.5	170	59	79
PCB172	pg/g	5.32	10.8	5.54	31.9	7.41	20.6	5.47	19.2	16.6	5.72	23.2	7.09	8.76
PCB174	pg/g	46.5	77.9	44.8	286	63.4	173	40	158	124	43.7	212	52.8	69.8
PCB175	pg/g	8.94	16.9	7.13	35.7	11.5	23.6	6.67	18.5	12	7.63	23	8.02	11.4
PCB176	pg/g	19.9	37.8	17.9	111	27.1	65.3	16.8	58	35.4	19.2	68.4	21	30.7
PCB177	pg/g	154	265	104	601	181	386	117	308	316	131	351	127	181
PCB178	pg/g	83.8	157	58.9	284	98.4	198	63.4	129	148	70.2	149	66.4	98.5
PCB179	pg/g	79.7	147	67.1	413	103	238	64	208	171	74.1	235	77.2	121
PCB180 & 193	pg/g	540	638	409	921	555	735	507	693	663	458	763	499	594
PCB181	pg/g	3.09	6.12	2.61	9.1	3.75	7.66	2.84	3.87	3.18	2.74	5.99	2.77	3.16 U
PCB182	pg/g	1.9	1.98	0.759 J	5.44	2.15	3.23	0.9	2.03	5.44	0.936	2.17	1.1	20.2 U
PCB183 & 185	pg/g	162	300	132	582	201	400	140	320	216	148	398	148	201
PCB184	pg/g	0.977 U	2.55	0.914 U	2.91	1.19	2.62	0.97	0.885	1.25	1.15	1.25	0.95	1.64 U
PCB186	pg/g	0.645 U	0.789 U	1.58 U	0.639 U	0.634 U	0.666 U	0.622 U	0.637 U	0.642 U	0.646 U	0.641 U	0.625 U	5.1 U
PCB187	pg/g	477	900	372	1630	593	1160	358	694	792	422	922	366	616
PCB188	pg/g	1.07	1.88	0.594 U	4.74	1.22	2.13	0.842	2.14	3.03	0.966	1.1	0.828 U	1.24 U
PCB189	pg/g	1.37	3.18	1.5 U	6.97	1.81	4.9	1.43 U	5.07	4.23	1.38	5.56	1.65	3.09 U
PCB190	pg/g	58.5	106	48.4	179	67.9	130	57.4	113	84.8	56.2	133	58.4	70.8
PCB191	pg/g	6.64	12.2	5.19	23.4	8.09	16.1	5.38	15.9	11.2	5.45	17.8	6.5	7.77
PCB192	pg/g	1.5 U	1.84 U	3.68 U	1.49 U	1.48 U	1.55 U	1.45 U	1.48 U	1.49 U	1.5 U	1.49 U	1.45 U	11.9 U
PCB194	pg/g	6.6	12.5	6.21	28.9	6.88	21.5	6.66	16.1	26.6	6.23	22.7	7.88	9.94
PCB195	pg/g	29.2	49.3	21.4	93.1	31.5	68.8	22	51	67.2	23.3	62.9	22.2	38.3
PCB196	pg/g	18.9	36.8	16.6	68	22.9	49.9	17.1	36	51.3	15.7	48.2	17.9	23
PCB197 & 200	pg/g	10.8	19.4	8.51	34.5	13	27	8.4	16.4	22.1	8.56	22.8	8.66	13.8

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT019	BT020	BT021	BT022	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030
	X_Easting	7629737.534	7628494.987	7629274.043	7632897.164	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545
	Y_Northing	703016.611	701060.171	700117.245	701768.325	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635
	Sample ID	LW2-BTLC019	LW2-BTLC020	LW2-BTLC021	LW2-BTLC022	LW2-BTLC023	LW2-BTLC024	LW2-BTLC025	LW2-BTLC026	LW2-BTLC027-1	LW2-BTLC027-2	LW2-BTLC028	LW2-BTLC029	LW2-BTLC030
	Sample Date	02/24/2006	01/19/2006	01/19/2006	01/19/2006	02/24/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006	01/19/2006
	Species	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam	lab clam
Chemical Name	Unit													
PCB198 & 199	pg/g	60.6	116	44.2	179	65.8	140	48.1	78.6	118	47.2	120	49.5	70.1
PCB201	pg/g	25.8	49.9	18.1	64.8	29.9	55.9	18.7	26.9	34.4	20.1	37.5	18.4	38.2
PCB202	pg/g	107	195	65.8	221	115	194	76.6	81.1	103	81.1	119	71.2	109
PCB203	pg/g	136	217	108	283	158	239	130	146	183	119	210	116	148
PCB204	pg/g	0.193 J	0.394 J	4.45 U	0.347 J	0.258 J	0.388 U	0.159 J	0.124 U	0.226 U	0.152 U	0.197 U	0.104 J	14.3 U
PCB205	pg/g	5.1	9.98	3.86	14.5	5.79	12.2	4.04	7.61	10.9	4.14	9.63	3.9	6.38
PCB206	pg/g	83	154	54	141	87	151	64.4	55.1	76.5	64	119	56.3	87
PCB207	pg/g	13.1	24.4	8.24	22.8	13.7	23.7	9.93	8.78	11.6	9.78	15.5	8.67	14.5
PCB208	pg/g	59.6	105	37.3	95.6	60.9	103	44.1	36.5	47.5	42.7	72.8	38.2	60
PCB209	pg/g	97	175	60.6	160	102	164	69.9	56.1	73.2	72.1	129	60.9	96.7
Polychlorinated biphenyls	pg/g	27200	50700	24000	74400	34100	67900	24200	32300	29000	24500	189000	25000	34200
Monochlorobiphenyl homologs	pg/g	242	434	167	376	203	452	226	172	228	161	241	192	271
Dichlorobiphenyl homologs	pg/g	4030	7330	3200	7410	3570	7650	3840	2820	3890	3730	11000	3580	4830
Trichlorobiphenyl homologs	pg/g	3820	6780	3290	7400	4400	7780	3310	2610	3450	3340	62500	3090	4540
Tetrachlorobiphenyl homologs	pg/g	2450	4720	2730	7180	4320	7680	2260	3410	2470	2120	66000	2100	3160
Pentachlorobiphenyl homologs	pg/g	5260	12300	5300	21300	7870	20200	5210	8050	5890	5340	28500	5960	7710
Hexachlorobiphenyl homologs	pg/g	8960	15100	7530	23700	10900	19100	7340	11600	9420	7700	16400	8100	10900
Heptachlorobiphenyl homologs	pg/g	1750	2880	1360	5620	2050	3880	1480	3040	2800	1540	3650	1550	2140
Octachlorobiphenyl homologs	pg/g	400	706	293	987	449	808	331	459	617	326	653	316	456
Nonachlorobiphenyl homologs	pg/g	156	284	99.6	259	162	278	118	100	136	117	207	103	162

Table 4-7. Analytical Results for Tissue Samples.

Location Name		BT031	BT032	BT033	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009
X_Easting		7637395.73	7637341.496	7639772.206	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227
Y_Northing		696117.011	694204.094	694651.783	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234
Sample ID		LW2-BTLC031	LW2-BTLC032	LW2-BTLC033	LW2-BTLW001	LW2-BTLW002	LW2-BTLW003	LW2-BTLW004	LW2-BTLW005	LW2-BTLW006-1	LW2-BTLW006-2	LW2-BTLW007	LW2-BTLW008	LW2-BTLW009
Sample Date		01/19/2006	01/19/2006	02/24/2006	03/06/2006	03/07/2006	03/02/2006	03/02/2006	03/03/2006	03/02/2006	03/03/2006	01/18/2006	01/18/2006	03/01/2006
Species		lab clam	lab clam	lab clam	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
Total solids	percent	7.46	7.05	8.6	16.2	14.8	15	15.1	14.9	15.2	15.4	15.4	14.2 T	14.6
Lipids	percent	1.1	0.932	0.98	2.34	2.34	2.07	2.23	2.25	2.37	2.74	2.23	2.43	2.32
Aluminum	mg/kg	60.3	16.5	24.6	465	107	235	177	227	235	193	190	300 T	286
Antimony	mg/kg	0.0009	0.0011	0.0008 U	0.001 UJ	0.009 UJ	0.002 UJ	0.001 UJ	0.001 UJ	0.002 UJ	0.002 UJ	0.002 J	0.007 JT	0.002 UJ
Arsenic	mg/kg	0.397 J	0.392 J	0.546	1.25	0.807	0.469	0.285	2.1	0.391	0.598	0.31	1.71 T	1.32
Cadmium	mg/kg	0.0515	0.0481	0.0597	0.0628 J	0.229 J	0.087 J	0.108 J	0.0561 J	0.115 J	0.0919 J	0.254	0.0494 T	0.0631 J
Chromium	mg/kg	0.33	0.24	0.49	0.82	0.67	0.35	0.31	0.31	0.41	0.32	0.42	0.55 T	0.37
Copper	mg/kg	3.57	3.6	4.66 J	2.27	2.58	2.88	2.95	2.16	3.29	2.98	2.62	1.83 T	2.39
Lead	mg/kg	0.048	0.054	0.051	0.232	0.517	0.201	0.167	0.264	0.258	0.256	0.351	0.847 T	0.689
Mercury	mg/kg	0.0098	0.0098	0.0124	0.008	0.0034	0.0034	0.0045	0.0053	0.0036	0.0035	0.003 J	0.005 J	0.0047
Nickel	mg/kg	0.174	0.152	0.313 J	0.528	0.327	0.399	0.333	0.291	0.377	0.318	0.357	0.318 T	0.379
Selenium	mg/kg	0.098	0.081	0.247	0.32	0.37	0.35	0.25	0.31	0.26	0.28	0.08	0.085 T	0.27
Silver	mg/kg	0.0152	0.0153	0.0149	0.0066	0.0072	0.0081	0.0106	0.0061	0.0065	0.0053	0.0104	0.0068 T	0.0079
Zinc	mg/kg	15.3	15.6	15.1	27.7	30.6	26.1	25.5	24.5	24.4	26.3	31.5	23.3 T	24
Butyltin ion	µg/kg	0.3 J	0.24 J	0.069 U	12	3	4.4	2.4	210	9.9 NJ	51	13 J	21	34
Dibutyltin ion	µg/kg	0.81 U	0.73 U	0.43 U	2.4	0.76 U	1.2 U	0.48 U	37	3.9 J	6	1.5	4.1	5.1
Tributyltin ion	µg/kg	1.1 U	1.1 U	1.2 U	1.2 U	1.2 U	2.6	0.55 U	20 J	2.3	2.8	1.3 U	3.1	2.3
Tetrabutyltin	µg/kg	0.067 U	0.067 U	0.067 U	0.34 U	0.2 U	0.46 U	0.44 U	0.46 U	1 U	2	2.9	0.51 NJ	1 U
2-Methylnaphthalene	µg/kg	0.75 U	1.1	0.68 U	1.2	0.68 J	0.62 J	1.5 U	1.2	0.91 J	1.1	0.15 U	2	1.3
Acenaphthene	µg/kg	0.29 J	0.091 U	0.26 J	3.9	2	2.6	0.91 U	9.7	2.1	3.3	2.5	8.7	16
Acenaphthylene	µg/kg	0.092 U	0.092 U	0.23 J	5.6	1.4	1.7	8.7	3.4	2.3	1.3	6.1	8.6	2.4
Anthracene	µg/kg	0.53	1	0.66	4.4	4.7	9.7	3 J	18	5	7.7	9.5	29	22
Fluorene	µg/kg	0.53	0.95	0.83	2.9	2.7	1.8	1.8 J	5.8	2	3.6	2.3	11	28
Naphthalene	µg/kg	0.63 U	0.72 U	0.73 U	1.1 U	1.8 U	0.46 U	2 U	1.4 U	0.94 U	0.94 U	1.5 U	2 U	1.4 U
Phenanthrene	µg/kg	4.3	6	5.4	15	20	25	14	50	11	15	19	33	89
Low Molecular Weight PAH	µg/kg													
Dibenzo(a,h)anthracene	µg/kg	0.83	0.11 U	0.11 U	1.1	1.3	2	1.1 U	2.9	3.6	4.3	1.3	8.6	2.1
Benzo(a)anthracene	µg/kg	1.1	1	0.43 J	20	24	38	18	75	40	56	25	200	77
Benzo(a)pyrene	µg/kg	0.91	0.48 J	0.47 J	9	9.8	24	6.9	37	17	25	13	79	24
Benzo(b)fluoranthene	µg/kg	1.1	0.49 J	0.15 U	29	32	39	22	67	82	110	31	180	61
Benzo(g,h,i)perylene	µg/kg	0.86	0.17 U	0.21 J	8.1	9.1	16	7.4	21	20	25	11	35	14
Benzo(k)fluoranthene	µg/kg	0.89	0.22 J	0.13 U	18	17	26	16	46	45	57	14	110	44
Chrysene	µg/kg	2.1	3.9	1.6	58	77	120	66	180	130	170	88	290	160
Fluoranthene	µg/kg	4.8	9.5	6.7	65	87	81	59	190	90	130	80	440	420
Indeno(1,2,3-cd)pyrene	µg/kg	0.16 U	0.16 U	0.16 U	5.6	5.4	9.2	4.4 J	14	13	17	6.6	34	10
Pyrene	µg/kg	3.7	11	6.2	82	90	120	92	270	160	210	93	370	340
High Molecular Weight PAH	µg/kg													
Polycyclic Aromatic Hydrocarbons	µg/kg													
1,2,4-Trichlorobenzene	µg/kg	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U
1,2-Dichlorobenzene	µg/kg	12 UJ	12 UJ	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U
1,3-Dichlorobenzene	µg/kg	11 UJ	11 UJ	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
1,4-Dichlorobenzene	µg/kg	11 UJ	11 UJ	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Benzyl alcohol	µg/kg	17 J	9.2 J	11 J	680	600	620	730	930	450	460	1500	2900	770
Dibenzofuran	µg/kg	0.29 J	0.47 J	0.4 J	0.71	0.82	0.4 J	0.82 J	1.6	0.84	1.3	0.75	2.8	7.5
Hexachlorobenzene	µg/kg	0.0694 J	0.0529 J	0.0869 J	0.341	0 488	0.537	0.326	0.553	0.527	0.58	0.57	0.431	0.468
Hexachlorobutadiene	µg/kg	8.5 U	0.00895 UJ	8.5 U	0.00374 J	0.00144 UJ	8.5 U	0.004 UJ	0.004 UJ	8.5 U	0.005 UJ	0.00418 UJ	0.00343 UJ	0.005 UJ
Hexachloroethane	µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U
N-Nitrosodiphenylamine	µg/kg	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	21 J	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U
Dimethyl phthalate	µg/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U
Diethyl phthalate	µg/kg	12 J	13 J	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	9.4 U	14 U	15 U	9.4 U
Dibutyl phthalate	µg/kg	16 U	16 U	160 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U	16 U
Butylbenzyl phthalate	µg/kg	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U
Di-n-octyl phthalate	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
Bis(2-ethylhexyl) phthalate	µg/kg	86 J	110 J	140 J	140 J	140 J	130 J	130 J	150 J	120 J	160 J	53 U	53 U	130 J

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT031	BT032	BT033	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009
	X_Easting	7637395.73	7637341.496	7639772.206	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227
	Y_Northing	696117.011	694204.094	694651.783	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234
	Sample ID	LW2-BTLC031	LW2-BTLC032	LW2-BTLC033	LW2-BTLW001	LW2-BTLW002	LW2-BTLW003	LW2-BTLW004	LW2-BTLW005	LW2-BTLW006-1	LW2-BTLW006-2	LW2-BTLW007	LW2-BTLW008	LW2-BTLW009
	Sample Date	01/19/2006	01/19/2006	02/24/2006	03/06/2006	03/07/2006	03/02/2006	03/02/2006	03/03/2006	03/02/2006	03/03/2006	01/18/2006	01/18/2006	03/01/2006
	Species	lab clam	lab clam	lab clam	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
2,4-Dimethylphenol	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U
2-Methylphenol	µg/kg	53 U	53 U	53 U	160	92	98	350	53 J	230	190	290	54 J	120
4-Methylphenol	µg/kg	15 U	15 U	15 U	58 J	50 J	58 J	50 J	33 J	31 J	36 J	170	130	45 J
Pentachlorophenol	µg/kg	R	R	31 U	31 U	31 U	31 U	31 U	31 U	31 U	31 U	R	R	31 U
Phenol	µg/kg	17 U	17 U	17 U	19 J	18 J	19 J	24 J	19 J	19 J	20 J	38 J	17 U	20 J
2,4'-DDD	µg/kg	0.106 J	0.122 J	0.149 J	2.34	2.33	1.51	0.611	3.73	2.06	2.69	1.4	1.77	2.99
2,4'-DDE	µg/kg	0.0151 J	0.0131 J	0.0125 J	0.49	0.321	0.239 J	0.127 J	0.776	0.439	0.57	0.265	0.345	0.64
2,4'-DDT	µg/kg	0.0339 J	0.0288 J	0.0247 J	0.0469 U	0.113 J	0.159 J	0.086 J	0.051 J	0.067 J	0.067 J	0.465	0.0191 U	0.053 J
4,4'-DDD	µg/kg	0.45	0.547	0.464	13.2	11.9	9.69	4.6	19.4	13.3	16.9	13.4	9.36	21.3
4,4'-DDE	µg/kg	0.904	0.704	0.74	24.8	17.7	11.5	10.4	20.2	12.2	14	20.3	12.5	26.8
4,4'-DDT	µg/kg	0.129 J	0.1 J	0.0824 J	0.163 J	0.428	1.27	0.549	0.297 J	0.472	0.286 J	2.99	0.116 J	0.234 J
Total of 4,4'-DDD, -DDE, -DDT	µg/kg													
Aldrin	µg/kg	0.0204 J	0.0224 U	0.0266 J	0.335 J	0.236 J	0.073 J	0.043 J	0.431 J	0.177 J	0.223 J	0.207 J	0.427 J	0.634 J
alpha-Hexachlorocyclohexane	µg/kg	0.0077 J	0.00818 J	0.0101 J	0.0629 U	0.00894 U	0.008 J	0.015 J	0.008 J	0.011 J	0.01 J	0.00778 J	0.00875 U	0.007 J
beta-Hexachlorocyclohexane	µg/kg	0.0418 U	0.00118 U	0.0405 U	0.0413 U	0.0417 U	0.003 U	0.0524 U	0.0524 U	0.0526 U	0.0526 U	0.0416 U	0.0409 U	0.004 J
delta-Hexachlorocyclohexane	µg/kg	0.0182 U	0.0182 U	0.001 U	0.0181 U	0.00166 U	0.0182 U	0.000971 J	0.018 U	0.00106 U	0.00127 U	0.0181 U	0.00174 U	0.00146 U
gamma-Hexachlorocyclohexane	µg/kg	0.0581 U	0.0368 J	0.05 J	0.0303 U	0.0189 U	0.012 J	0.021 J	0.011 J	0.019 J	0.016 J	0.0106 U	0.03 U	0.01 J
cis-Chlordane	µg/kg	0.665	0.641	0.719	1.47	1.05	0.749	0.977	1.04	1.06	1.04	2.15	0.928	2.32
trans-Chlordane	µg/kg	0.431 J	0.437 J	0.428 J	0.921	0.662	0.438 J	0.558 J	0.794	0.807	0.923	1.48	0.675	1.63
Oxychlordane	µg/kg	0.0537 J	0.0606 J	0.0593 J	0.0177 U	0.03 U	0.048 J	0.048 J	0.026 J	0.03 J	0.033 J	0.0534 J	0.0145 J	0.031 J
cis-Nonachlor	µg/kg	0.388 J	0.336 J	0.382 J	0.378 J	0.271 J	0.218 J	0.31 J	0.32 J	0.301 J	0.327 J	0.623	0.276 J	0.707 J
trans-Nonachlor	µg/kg	1.13	1.03	1.2	0.635	0.589	0.435 J	0.597	0.59	0.643	0.667	1.24	0.575	1.2
Total Chlordanes	µg/kg													
Dieldrin	µg/kg	0.259	0.274	0.202	0.36	0.409	0.499	0.483	0.283	0.473	0.45	0.743	0.127 J	1.19
alpha-Endosulfan	µg/kg	0.0187 U	0.0443 U	0.017 U	0.0237 U	0.033 U	0.0233 U	0.0238 U	0.0299 J	0.0483 J	0.0496 J	0.0223 J	0.0234 U	0.0282 J
beta-Endosulfan	µg/kg	0.0616 U	0.0324 U	0.0591 U	0.0649 J	0.0449 U	0.0496 U	0.0411 U	0.0774 J	0.0788 J	0.0989 J	0.0633 J	0.0738 U	0.067 U
Endosulfan sulfate	µg/kg	0.0633 J	0.0635 U	0.053 J	0.342	0.394 U	0.35	0.372	0.37	0.393	0.382	0.461	0.316	0.396
Endrin	µg/kg	0.00563 J	0.00867 U	0.0244 U	0.0253 U	0.0087 U	0.01 U	0.0254 U	0.0252 U	0.00727 J	0.0256 U	0.0259 U	0.00495 U	0.0447 J
Endrin aldehyde	µg/kg	0.0191 U	0.00129 U	0.0183 U	0.019 U	0.00339 U	0.0191 U	0.0191 U	0.0189 U	0.0191 U	0.0192 U	0.019 U	0.00387 U	0.0189 U
Endrin ketone	µg/kg	0.0398 U	0.0397 U	0.0382 U	0.0395 U	0.0794 U	0.0398 U	0.0398 U	0.0394 U	0.00107 J	0.04 U	0.0396 U	0.0389 U	0.00755 U
Heptachlor	µg/kg	0.0275 J	0.0226 J	0.0249 J	0.022 U	0.0222 U	0.011 U	0.018 J	0.007 U	0.013 J	0.012 J	0.0186 J	0.00353 J	0.007 U
Heptachlor epoxide	µg/kg	0.038 J	0.0387 J	0.025 J	0.0213 J	0.0229 J	0.0246 J	0.0281 J	0.0115 J	0.0255 J	0.0227 J	0.0351 J	0.00652 U	0.0144 J
Methoxychlor	µg/kg	0.0191 U	0.019 U	0.0183 U	0.0231 U	0.0299 U	0.019 U	0.019 U	0.0287 U	0.0234 U	0.0208 U	0.0252 U	0.462 U	0.0188 U
Chlordane (cis & trans)	µg/kg													
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.104 U	0.094 J	0.117 U	0.364	0.356	0.213 U	0.219 J	0.334	0.363	0.351	0.4 U	0.82	0.449
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.065 U	0.124 J	0.113 U	0.57 J	0.595 J	0.439 J	0.483 U	0.686 J	0.542 J	0.65 J	0.792 J	1.38	0.872 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.166 U	0.102 J	0.159 U	0.277 J	0.305 J	0.21 U	0.25 J	0.305 U	0.227 J	0.238 J	0.408 J	0.638 J	0.467 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.136 J	0.233 U	0.106 U	1.67	1.75	1.21	1.37	2.5	1.32	1.48	5.24	7.71	3.65
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.0951 U	0.126 J	0.0912 U	0.55 J	0.467 J	0.334 J	0.349 U	0.538 J	0.445 J	0.438 J	0.8 U	1.2	0.815 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	0.705 J	1.12 J	0.526 J	5.06	6.86	4.13	4.79	13.6	4.45	4.7	29.1	37.7	14.2
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.327	0.235	0.345 U	2.1	4.98	2	0.935	2.27	2.14	2.5	1.35	4.16	2.35
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.051 U	0.072 U	0.131 U	0.66 J	1.18	1.02 J	0.421 J	0.919 J	0.624 J	0.659 J	0.553 J	4.5	1.73
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.089 J	0.164 J	0.079 J	0.896 J	2.73	0.888 J	0.506 J	1.09 J	0.939 J	1.08 J	0.784 J	28.9	7.12
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.109 U	0.119 U	0.105 U	0.508 J	0.777 J	0.571 J	0.413 J	0.761 J	0.417 J	0.515 J	1.02 J	24.4	6.36
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.0939 U	0.0936 U	0.09 U	0.236 J	0.309 J	0.213 J	0.131 U	0.384 U	0.205 J	0.211 J	0.283 J	4.39	1.14
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.133 U	0.079 U	0.127 U	0.132 U	0.133 U	0.133 U	0.133 U	0.132 U	0.133 U	0.133 U	0.132 U	0.287 J	0.103 J
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.088 J	0.103 J	0.069 J	0.251 U	0.37 U	0.141 J	0.16 U	0.246 J	0.219 J	0.227 U	0.253 J	1.69	0.519 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.183 U	0.374 U	0.133 U	1.21	1.38	0.91 J	1.02 J	2.65	1.13 U	1.16	9.63	13.7	4.02
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.132 U	0.079 U	0.127 U	0.089 U	0.079 U	0.062 J	0.132 U	0.147 J	0.132 U	0.057 U	0.266 J	1.88	0.313 J
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.0496 U	0.742	0.844	8.67	9.85	8.5	5.46	11.2	6.66	8.59	5.81	7.17	9.51
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.117 U	0.354	0.113 U	3.17	3.82	1.98	2.11	5	2.53	3.35	3.47	4.68	5
Hexachlorodibenzo-p-dioxin homologs	pg/g	0.166 U	0.94	0.15	5.79	6.07	4.44	4.72	17.1	5.27	5.76	14.1	21.5	12.3
Heptachlorodibenzo-p-dioxin homologs	pg/g	1.35	2.52	1.17	9.74	14.2	8.39	10.8	46.5	8.87	8.92	62.5	79.3	30.6
Octachlorodibenzo-p-dioxin	pg/g	5.29	10.1	5.35	15	28.6	16.6	13	405	13.3	13.6	174	220	58.2

Table 4-7. Analytical Results for Tissue Samples.

Location Name		BT031	BT032	BT033	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009
X_Easting		7637395.73	7637341.496	7639772.206	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227
Y_Northing		696117.011	694204.094	694651.783	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234
Sample ID		LW2-BTLC031	LW2-BTLC032	LW2-BTLC033	LW2-BTLW001	LW2-BTLW002	LW2-BTLW003	LW2-BTLW004	LW2-BTLW005	LW2-BTLW006-1	LW2-BTLW006-2	LW2-BTLW007	LW2-BTLW008	LW2-BTLW009
Sample Date		01/19/2006	01/19/2006	02/24/2006	03/06/2006	03/07/2006	03/02/2006	03/02/2006	03/03/2006	03/02/2006	03/03/2006	01/18/2006	01/18/2006	03/01/2006
Species		lab clam	lab clam	lab clam	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
Tetrachlorodibenzofuran homologs	pg/g	1.87	2	1.77	16.9	46.9	11.5	9.12	16.2	19.4	25	8.31	15.5	19.2
Pentachlorodibenzofuran homologs	pg/g	0.384	1.5	0.664	10	19.5	7.67	7.14	13.2	12.2	14.7	8.62	130	47.6
Hexachlorodibenzofuran homologs	pg/g	0.346	1.27	0.486	5.59	6.61	4.05	4.11	10.3	5.38	6	25.1	112	33.1
Heptachlorodibenzofuran homologs	pg/g	0.132 U	0.659	0.127 U	3.91	4.32	3.32	3.58	13	2.34	3.63	56.1	58.5	15.3
Octachlorodibenzofuran	pg/g	0.367 J	0.794 J	0.264 J	1.64 J	1.87 J	1.69 J	1.35 J	7.05	1.29 J	1.43 J	30.6	18.2	4.18
Aroclor 1016	pg/g	1.05 U	0.928 U	0.92 U	7.81 U	94.3 U	0.357 U	0.553 U	0.695 U	9.51 U	9.9 U	1.35 U	0.46 U	2.15 U
Aroclor 1221	pg/g	0.54 U	0.425 U	0.477 U	0.271 U	3.41 U	0.185 U	0.287 U	0.256 U	0.274 U	0.412 U	0.345 U	0.179 U	1.12 U
Aroclor 1232	pg/g	0.399 U	0.517 U	0.341 U	0.554 U	1.32 U	0.382 U	0.466 U	0.235 U	0.374 U	0.478 U	1.44 U	0.237 U	0.725 U
Aroclor 1242	pg/g	12000 NJ	15800 NJ	11500 NJ	30700 NJ	266000 NJ	2330 NJ	5510 NJ	26900 NJ	41600 NJ	57400 NJ	10400 NJ	15800 NJ	22600 NJ
Aroclor 1248	pg/g	5.59 U	5.12 U	5.63 U	259 U	2630 U	13.1 U	10.5 U	34.7 U	150 U	171 U	17.9 U	28.8 U	23.8 U
Aroclor 1254	pg/g	8650 NJ	12900 NJ	6800 NJ	246000 NJ	1750000 NJ	19400 NJ	19600 NJ	158000 NJ	304000 NJ	368000 NJ	34900 NJ	60000 NJ	44900 NJ
Aroclor 1260	pg/g	3350 NJ	14500 NJ	3570 NJ	19600 NJ	104000 NJ	8020 NJ	4960 NJ	39500 NJ	49300 NJ	59900 NJ	9420 NJ	25400 NJ	21700 NJ
Aroclors	pg/g													
PCB001	pg/g	162	173	144	18.3	93.5 J	2.91	2.79	10.2	13	21.9	3.74	9.31	463
PCB002	pg/g	12.2	12	12.9	10.9	16.9	1.64	1.39	7.94	3.23	4.97	1.73	11.6	18
PCB003	pg/g	51.9	57.3	55.5	5.23	52.4	3.03	3.63	7.65	8.13	12.1	4.36 U	9.16 U	78.7
PCB004	pg/g	939	1960	754	372	4440 J	78.5	159	249	249	347	106	216	6380
PCB005	pg/g	42.3	32.6	32.5	2.94	15.8 J	1.72	2.94	6.41	9.58	15.8	2.44	4.97	15.9
PCB006	pg/g	371	520	285	82.5	661 J	20.2	45.3	97.9	122	188	40.4	66.6	625
PCB007	pg/g	80.6	60.5	76.8	19.9	64.7 J	4.43	10.4	19.5	28	43.3	9.18	16.4	99.5
PCB008	pg/g	2010	1870	1780	272	2410 J	99.3	232	388	643	909	208	302	2830
PCB009	pg/g	103	87	92.1	13.2	110 J	4.77	11.2	26.3	35.6	58	10.4	17.6	118
PCB010	pg/g	29.1	42.3	29.3	25.3	103 J	3.26	6.76	13.3	15	24.5	4.57	13.9	180
PCB011	pg/g	348	251	298	196	248	165	288	177	189	182	161	141	184
PCB012 & 013	pg/g	82.8	105	76.1	33	280	9.44	18.4	49.4	81.2	97.2	18	41.9	164
PCB014	pg/g	0.753 U	0.747 U	0.724 U	0.572 J	2.72 U	0.748 U	0.752 U	0.555 U	0.306 J	0.428 J	0.739 U	0.45 J	0.868 U
PCB015	pg/g	517	679	442	242	2120	52.5	133	422	876	1070	202	297	823
PCB016	pg/g	301	514	279	263	2810	43	127	543	744	1130	185	318	397
PCB017	pg/g	390	787	359	728	7090	69	166	985	1020	1640	256	780	1490
PCB018 & 030	pg/g	640	1200	589	951	10500	107	299	1330	1850	2990	468	765	966
PCB019	pg/g	102	851	144	419	3120	96.4	135	440	551	657	124	507	1320
PCB020 & 028	pg/g	732	1180	821	6080	49800	344	757	4240	6890	8950	1670	2550	2010
PCB021 & 033	pg/g	370	511	356	887	4720	101	324	1410	2310	3300	517	860	718
PCB022	pg/g	270	392	264	1180	8790	80.9	212	1070	1980	2470	423	683	494
PCB023	pg/g	1.14	1.32	1.08	2.18	6.17	0.167 J	0.579 J	3.27	4.28	6.89	0.878	2.5	2.99
PCB024	pg/g	9.28	12.6	9.3	11.4	97.7	1.34	4.2 U	23.3	37.9	62.2	7	13	14.5
PCB025	pg/g	60.6	148	60.2	303	2470	25	50.7	498	504	713	99.1	201	269
PCB026 & 029	pg/g	108	243	104	497	5350	42.4	102	1040	887	1300	201	369	397
PCB027	pg/g	53.4	157	56.9	198	1860	20.4	35.9	199	330	484	59.6	240	359
PCB031	pg/g	610	1040	636	2920	25900	227	550	3000	4480	6270	1120	1640	1710
PCB032	pg/g	179	439	186	1050	9220	54.8	126	713	1340	1850	267	434	1100
PCB034	pg/g	2.27	4.6	2.33	65.3	199	1.61	3.83	24.7	19.4	29.9	6.18	11.2	18.6
PCB035	pg/g	9.13	13.5	11	25.1	193	6.77	12.1	52.6	98.5	105	18.7	31.5	20.1
PCB036	pg/g	1.85	1.03	2.65	0.887 U	3.9 U	2.45	3.02	4.54	3.08 U	2.21 U	2.32	2.56	3.3
PCB037	pg/g	69.3	191	66.6	1120	7480	77.1	150	973	1860	2290	383	690	342
PCB038	pg/g	0.586 U	0.375 U	0.564 U	0.929 U	3.89 U	0.654	1.01 U	6.06	10.5 U	10.9	1.04	3.89	1.15
PCB039	pg/g	2.73	4.31	2.5	78	563	3.03	6.62	0.568 U	0.597 U	1.29 U	10.5	25	13.3
PCB040 & 041 & 071	pg/g	116	427	120	10500	86500	293	557	3540	5810	7660	1010	1960	930
PCB042	pg/g	165	267	181	4910	45000	155	285	1850	2930	3860	558	874	457
PCB043	pg/g	9.3	20	10.7	709	5200	23.3	46.8	264	410	605	86.4	164	94.6
PCB044 & 047 & 065	pg/g	467	1780	495	20500	168000	920	1230	8360	11900	15700	2170	4160	2390
PCB045 & 051	pg/g	54.4	596	73.9	2430	20600	167	212	1220	1920	2640	435	763	489
PCB046	pg/g	12.1	57.5	14.4	700	5820	25.5	50.7	283	582	763	101	151	88.9
PCB048	pg/g	79.5	128	79.5	2410	20600	87.4	197	1150	1670	2480	356	679	359

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT031	BT032	BT033	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009
	X_Easting	7637395.73	7637341.496	7639772.206	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227
	Y_Northing	696117.011	694204.094	694651.783	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234
	Sample ID	LW2-BTLC031	LW2-BTLC032	LW2-BTLC033	LW2-BTLW001	LW2-BTLW002	LW2-BTLW003	LW2-BTLW004	LW2-BTLW005	LW2-BTLW006-1	LW2-BTLW006-2	LW2-BTLW007	LW2-BTLW008	LW2-BTLW009
	Sample Date	01/19/2006	01/19/2006	02/24/2006	03/06/2006	03/07/2006	03/02/2006	03/02/2006	03/03/2006	03/02/2006	03/03/2006	01/18/2006	01/18/2006	03/01/2006
	Species	lab clam	lab clam	lab clam	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
PCB049 & 069	pg/g	174	909	192	14000	105000	552	785	6270	7920	10800	1430	2370	1470
PCB050 & 053	pg/g	61.7	513	82.1	2220	18400	167	181	1070	1580	2230	347	610	419
PCB052	pg/g	299	857	303	21100	180000	936	1410	10200	17900	24800	2470	3820	2240
PCB054	pg/g	5.6	107	13.2	64.4	252	34.2	22.6	119	69.3	81.9	39.6	103	84.2
PCB055	pg/g	3.34	5.53	1.87 U	16.3 U	1510	2.3 U	1.94 U	73.5	167	239	33.8	38.9	4.76 U
PCB056	pg/g	96.5	166	88.8	9610	97900	292	445	2000	4040	5050	770	1080	650
PCB057	pg/g	2.15 U	2.14	2.07 U	73.2	480	4.4	5.92	67.9	56.6	83.2	10.1	28.2	14
PCB058	pg/g	1.65 U	1.75	1.59 U	70	345	3.23	4.57	40.8	44.4	56.4	6.79	10.4	10.2
PCB059 & 062 & 075	pg/g	30.2	73.4	33.7	1640	12300	74.3	113	676	1220	1630	233	359	204
PCB060	pg/g	45.7	78.8	45.9	4170	46000	145	220	884	1760	2130	370	563	269
PCB061 & 070 & 074 & 076	pg/g	391	721	354	30800	316000	1260	1860	10100	15200	23400	3140	5010	3000
PCB063	pg/g	11.8	18.8	9.94	858	5440	35.1	49.4	287	403	554	80.3	149	94.6
PCB064	pg/g	93.6	216	94.2	10400	84000	329	523	2870	5840	7350	965	1470	768
PCB066	pg/g	270	448	226	22500	217000	786	1080	5580	7850	11600	1870	2590	1510
PCB067	pg/g	9.78	20.4	8.88	374	2800	20	34.1	241	371	501	60.4	120	62.3
PCB068	pg/g	3.49	11.9	2.65	117	425	17.9	15.5	191	128	171	26.5	46.4	39.3
PCB072	pg/g	2.98	8.47	2.51	199	927	18.4	20.3	242	188	259	34.2	55.4	54.7
PCB073	pg/g	1.66	21.6	1.6 U	1.64 U	4.12 U	15.7	1.66 U	50.8	1.66 U	1.67 U	22.9	32.6	28.5
PCB077	pg/g	33.1	47.1	28.6	1300	8120	61.1	72.1	345	727	892	143	239	120
PCB078	pg/g	1.22 U	1.21 U	1.18 U	16.7 U	65 U	2.31 U	1.86 U	2.14 U	4.86 U	9.24 U	3.17 U	1.18 U	4.77 U
PCB079	pg/g	21.6	17.4	16.2	283	1270	20	22	173	353	403	31.9	62.3	47
PCB080	pg/g	2.12 U	2.11 U	2.04 U	14.6 U	58.5 U	2.11 U	2.12 U	3.81	4.17 U	7.93 U	2.78 U	1.2	4.1 U
PCB081	pg/g	1.73 U	2.04 U	1.23	54.9	366	2.14 U	2.32	13.6	22.6	30.4	5.17	11.9	4.54 U
PCB082	pg/g	23.4	49.7	22.3	3170	19600	147	174	1050	2890	3260	300	503	340
PCB083 & 099	pg/g	516	856	395	15400	104000	1430	1340	11200	18700	22500	2400	4280	3080
PCB084	pg/g	53.2	154	53.2	4750	36900	280	356	2380	6040	6930	615	966	676
PCB085 & 116 & 117	pg/g	133	166	108	5610	41900	331	340	2080	4780	5600	597	1000	681
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	565	760	455	15400	114000	996	1100	8610	19300	23500	1960	3220	2530
PCB088 & 091	pg/g	59.2	364	54.6	4230	24800	368	322	2360	4220	5010	687	1040	761
PCB089	pg/g	2.18	5.92	2.2	446	2890	12.8	15.7	93.6	213	248	28.1	54.5	29.7
PCB090 & 101 & 113	pg/g	829	1610	614	21000	144000	2150	2010	17900	34600	42800	3710	6090	5320
PCB092	pg/g	104	300	85.9	4030	21000	511	435	3570	5860	8280	823	1450	1120
PCB093 & 095 & 098 & 100 & 102	pg/g	450	1480	405	17600	119000	1760	1650	13300	29200	36100	3220	5330	3730
PCB094	pg/g	2.53	25.9	3.21	193	1120	36.6	21.8	144	157	193	52.6	107	75.3
PCB096	pg/g	2.37	43	3.32	204	1360	20.2	15.7	90.3	149	176	32	51.9	41.6
PCB103	pg/g	5.84	80.3	6.97	221	917	79.2	42.7	361	266	331	98.7	158	156
PCB104	pg/g	0.575 J	7.59	0.963	11.8	33.8	10.1	4.82	24	11.9	14.1	12.7	17.2	18.5
PCB105	pg/g	386	357	292	6740	61600	543	581	3220	7510	9520	1030	1810	1000
PCB106	pg/g	1.34 U	1.17 U	1.58 U	1.34 U	5.52 U	2.79 U	4.19 U	11.4 U	26.7 U	37.7 U	4.87 U	2.95 U	4.78 U
PCB107 & 124	pg/g	35.4	36	27.2	767	4300	59	59	443	1090	1290	116	219	135
PCB109	pg/g	81.5	90.4	66.1	1450	7520	153	146	966	1870	2250	280	400	338
PCB110 & 115	pg/g	718	1170	562	22900	174000	2170	2240	17400	40000	46800	4120	7000	5250
PCB111	pg/g	0.771	2.78	0.763	9.13	13.4 U	5.72	3.54	27.8	15.1 U	16.5	6.91	11.9	10.9
PCB112	pg/g	0.64 U	0.635 U	0.615 U	3.47 U	13.2 U	0.735 U	0.684 U	2.15 U	1.57 U	1.26 U	1.03 U	1.01 U	1.15 U
PCB114	pg/g	23.3	20.2	15.6	513	2840	30.8	30.6	205	457	564	59.1	121	61
PCB118	pg/g	2160	1980	1660	15700	118000	1500	1660	9320	22000	27300	2930	5110	3200
PCB120	pg/g	6.2	13.9	5.35	53	153	19.7	14.4	123	87.9	98.7	24.1	40.8	47.6
PCB121	pg/g	0.463 J	4.82	0.676	6.37	14.1 U	6.97	2.98	20.8	1.65 U	7.78	7.66	13.7	11.3
PCB122	pg/g	7.79	8.3	5.6	337	1980	21.5	19.5	128	346	432	40.4	62.4	41.4
PCB123	pg/g	43.6	42.4	35.7	482	2500	25.6	26	165	445	497	41	89.4	49.5
PCB126	pg/g	3.32	3.94	2.88	50.7	249	5.4	5.92	21	51.3	63.6	8.84	17.7	10
PCB127	pg/g	2.02	1.91	1.7 U	8.52	30.6	3.06 U	4.6 U	12.1 U	29.3 U	41.4 U	4.83 U	8.88	5.25 U
PCB128 & 166	pg/g	177	292	168	1850	8070	358	343	1990	4960	5320	658	1020	802
PCB129 & 138 & 160 & 163	pg/g	2100	4120	1730	13800	63300	4010	3070	19000	35700	44400	5720	10100	9010

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT031	BT032	BT033	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009
	X_Easting	7637395.73	7637341.496	7639772.206	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227
	Y_Northing	696117.011	694204.094	694651.783	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234
	Sample ID	LW2-BTLC031	LW2-BTLC032	LW2-BTLC033	LW2-BTLW001	LW2-BTLW002	LW2-BTLW003	LW2-BTLW004	LW2-BTLW005	LW2-BTLW006-1	LW2-BTLW006-2	LW2-BTLW007	LW2-BTLW008	LW2-BTLW009
	Sample Date	01/19/2006	01/19/2006	02/24/2006	03/06/2006	03/07/2006	03/02/2006	03/02/2006	03/03/2006	03/02/2006	03/03/2006	01/18/2006	01/18/2006	03/01/2006
	Species	lab clam	lab clam	lab clam	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
PCB130	pg/g	83.6	162	76.6	884	3610	204	174	1010	2140	2520	306	484	488
PCB131	pg/g	9.54	21.6	8.28	132	595	20.7	19.2	131	331	386	40.5	62.9	46.8
PCB132	pg/g	149	833	135	3940	17800	839	719	4650	10800	12000	1530	2250	1910
PCB133	pg/g	23.4	75.9	21.6	248	792	120	69.5	435	491	579	148	222	214
PCB134 & 143	pg/g	32.2	135	30.2	598	2410	130	103	711	1360	1630	212	348	297
PCB135 & 151 & 154	pg/g	241	1620	211	5150	25400	2190	1230	10600	14500	17500	2440	5000	4460
PCB136	pg/g	44.5	470	42.9	1480	7580	486	332	2270	3860	4430	667	1040	953
PCB137	pg/g	57.1	52	45.2 U	270	1040	27.6	13.9	301	555	873	36	210	108
PCB139 & 140	pg/g	17.1	39.2	14.9	248	1010	57.9	42.9	290	552	638	99.9	145	113
PCB141	pg/g	37	297	38.6	753	3220	128	54.3	1280	1540	2480	165	881	536
PCB142	pg/g	0.6 U	3.09 U	0.762 U	18.8 U	65.2 U	7.2 U	3.8 U	15.7 U	35.7 U	54.6 U	4.59 U	6.84 U	16.3 U
PCB144	pg/g	25.8	164	21.3	488	2620	129	84	702	1230	1550	153	328	302
PCB145	pg/g	0.173 U	0.354 J	0.143 U	6.77	32.3	0.967	0.788	4.6	11.1	12.7	1.71	2.54	1.79
PCB146	pg/g	300	687	246	2400	8080	917	579	3940	5390	6290	1200	1840	1840
PCB147 & 149	pg/g	742	3330	622	13700	56100	3860	2460	19700	32400	39500	6340	9790	8330
PCB148	pg/g	1.9	17.2	1.91	31.6	58.7	27.3	12.8	102	50.8	57.4	28.4	51.3	47.1
PCB150	pg/g	1.47	24.9	1.49	31.4	74.5	24.5	11.8	82.8	52.9	61.6	29.5	39.9	39.9
PCB152	pg/g	0.578 J	8.75	0.723	19.6	73.3	9.84	4.75	27.6	31	36.4	12.5	18.3	17.6
PCB153 & 168	pg/g	3900	6230	3480	10800	48200	4110	2830	17300	29200	34200	5690	9380	8300
PCB155	pg/g	1.15	2.21	1.03	3.82	4.45	4.04	2.78	8.52	3.62	3.75	5.94	6.13	6.01
PCB156 & 157	pg/g	154	204	130	1360	6800	258	225	1480	3340	4040	435	834	597
PCB158	pg/g	147	299	117	986	4700	208	148	1230	2640	3250	316	723	534
PCB159	pg/g	1.99	27.5	1.96	61.9	255	22.7	14.9	116	151	185	34.2	82.4	61
PCB161	pg/g	0.678 U	2.14 U	0.652 U	12.8 U	45.2 U	4.91 U	2.59 U	11 U	24.3 U	37.2 U	3.16 U	4.57 U	11.1 U
PCB162	pg/g	4.05	6.16	4.34	53.4	205	9.11	8.46	49.9	104	131	17	25.4	19.8
PCB164	pg/g	49.3	204	42	937	4220	273	208	1340	2480	2990	414	727	634
PCB165	pg/g	0.676	5.03	0.628 U	15 U	50.2 U	9.26	5.07	27.9	28.2 U	43.1 U	12.2	17.6	14.1
PCB167	pg/g	203	237	198	473	2190	105	81	551	1200	1440	166	331	249
PCB169	pg/g	0.887 U	2.71 U	1.64 U	15.6 U	46.9 U	6.65 U	3.31 U	13.6 U	30.1 U	49.8 U	2.11 U	5.27 U	13.5 U
PCB170	pg/g	38.2	485	36.5	1600	8720	652	442	2780	3970	4540	752	1720	1720
PCB171 & 173	pg/g	59.2	373	62.5	528	2840	234	172	950	1430	1530	290	520	558
PCB172	pg/g	5.27	74.1	5.02	304	1460	119	68.7	515	679	791	131	317	303
PCB174	pg/g	42.5	637	41.4	1450	7910	563	367	2930	3690	4550	740	1730	1510
PCB175	pg/g	8.09	49.1	7.8	73	383	30.9	19.5	140	182	212	38.2	76.3	76.5
PCB176	pg/g	19	163	18	314	1650	138	89.7	585	823	936	186	283	308
PCB177	pg/g	132	871	144	1420	7130	659	486	2560	3560	3840	817	1290	1420
PCB178	pg/g	75.9	328	73.6	541	2480	285	185	1070	1330	1460	351	549	572
PCB179	pg/g	73.2	584	72.7	1070	5450	546	328	2060	2800	3090	699	1040	1080
PCB180 & 193	pg/g	477	1570	525	1070	5300	386	204	2360	2420	3360	445	1870	1200
PCB181	pg/g	3.14	5.86	2.87	22.4	107	8.38	6.17	28.7	54.2	57.8	10.3	17.5	15.3
PCB182	pg/g	0.983	5.27	1.21	2.53 U	6.34 U	2.54 U	2.56 U	26.3 U	2.55 U	2.56 U	2.51 U	11.6	15.8
PCB183 & 185	pg/g	155	843	153	1250	6750	566	346	2760	3480	4080	688	1480	1430
PCB184	pg/g	1.19	1.58	0.931	2.65	6.34	1.96	1.31	4.76	4.95	5.14	2.54	2.69	2.68
PCB186	pg/g	0.052 U	0.642 U	0.622 U	0.544 J	2.88	0.642 U	0.646 U	0.637 U	0.644 U	0.648 U	0.453 U	0.547 J	0.598 U
PCB187	pg/g	462	1970	422	6200	25000	3010	1540	14800	17700	20600	3580	7620	7830
PCB188	pg/g	0.932	4.7	1.24	7.33	12.6	6.84	4.48	16.7	14.3	15.1	9.45	10.6	11.3
PCB189	pg/g	1.57	13.8	1.21	71.6	311	33.3	23.4	112	178	202	46.3	74	75.6
PCB190	pg/g	60.2	248	57.3	446	2680	208	151	743	1160	1290	231	444	475
PCB191	pg/g	6.03	39.4	6.43	45	256	15.4	8.61	85.4	106	136	17.7	59.6	49.3
PCB192	pg/g	1.5 U	1.49 U	1.45 U	1.49 U	3.72 U	1.49 U	1.5 U	1.48 U	1.5 U	1.51 U	1.48 U	1.45 U	1.39 U
PCB194	pg/g	6.65	77.7	6.01	388	1670	173	114	650	931	1190	230	526	433
PCB195	pg/g	24.3	163	27.5	275	1260	150	116	429	701	789	204	278	325
PCB196	pg/g	17.5	132	18.1	168	941	89.6	63.6	340	478	593	96.1	254	224
PCB197 & 200	pg/g	9.36	55.4	10.9	145	805	82.8	55.2	259	425	480	100	153	164

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT031	BT032	BT033	BT001	BT002	BT003	BT004	BT005	BT0061	BT0062	BT007	BT008	BT009
	X_Easting	7637395.73	7637341.496	7639772.206	7617878.108	7617318.724	7613652.765	7617006.73	7617952.071	7619684.716	7619684.716	7618754.419	7620321.569	7619394.227
	Y_Northing	696117.011	694204.094	694651.783	725120.875	723887.426	720111.748	719476.884	717207.287	717233.807	717233.807	714978	714416.79	713913.234
	Sample ID	LW2-BTLC031	LW2-BTLC032	LW2-BTLC033	LW2-BTLW001	LW2-BTLW002	LW2-BTLW003	LW2-BTLW004	LW2-BTLW005	LW2-BTLW006-1	LW2-BTLW006-2	LW2-BTLW007	LW2-BTLW008	LW2-BTLW009
	Sample Date	01/19/2006	01/19/2006	02/24/2006	03/06/2006	03/07/2006	03/02/2006	03/02/2006	03/03/2006	03/02/2006	03/03/2006	01/18/2006	01/18/2006	03/01/2006
	Species	lab clam	lab clam	lab clam	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
PCB198 & 199	pg/g	54.2	282	56.2	1080	5630	604	399	2070	3180	3730	702	1360	1230
PCB201	pg/g	22.9	69.8	25.4	127	657	71.9	49.8	240	368	410	92.6	138	140
PCB202	pg/g	90.6	164	101	232	1020	137	107	416	673	747	195	284	243
PCB203	pg/g	132	320	138	553	3290	340	251	1120	1770	2040	416	744	705
PCB204	pg/g	0.163 U	0.199 J	0.214 U	0.521 J	1.65	0.33 J	0.283 J	0.874 U	0.747 U	0.954 U	0.458 U	0.585	0.533 J
PCB205	pg/g	4.71	22.8	4.96	38.7	192	23.1	17.9	69.7	104	119	31.5	45.8	48
PCB206	pg/g	75.8	97.2	79.4	184	739	141 J	136 J	543 J	664 J	741 J	198 J	366 J	261 J
PCB207	pg/g	11.7	15.4	13	28.5	128	42 J	37.3 J	127 J	187 J	204 J	33.2 J	18.2 J	74.9 J
PCB208	pg/g	51.6	52.5	55.5	91.4	319	66.8	63.6	253	261	286	119	136	116
PCB209	pg/g	86.4	78.3	92.9	89.3	200	81.4	73.6	233	135	139	109	124	118
Polychlorinated biphenyls	pg/g	28000	60000	25000	402000	2970000	48900	44800	302000	527000	656000	85000	147000	131000
Monochlorobiphenyl homologs	pg/g	226	242	212	34.5	163	7.57	7.81	25.7	24.4	39.1	5.47	20.9	560
Dichlorobiphenyl homologs	pg/g	4520	5610	3870	1260	10500	439	907	1450	2250	2940	762	1120	11400
Trichlorobiphenyl homologs	pg/g	3910	7680	3950	16800	140000	1300	3060	16600	24900	34300	5820	10100	11600
Tetrachlorobiphenyl homologs	pg/g	2460	7520	2480	162000	1450000	6440	9440	58200	91100	126000	16800	27500	15900
Pentachlorobiphenyl homologs	pg/g	6210	9640	4880	141000	1000000	12700	12600	95200	200000	244000	23200	39200	28700
Hexachlorobiphenyl homologs	pg/g	8510	19600	7350	60800	268000	18500	12900	89300	155000	187000	26900	45900	39900
Heptachlorobiphenyl homologs	pg/g	1620	8270	1630	16400	78500	7470	4440	34500	43600	50600	9040	19100	18600
Octachlorobiphenyl homologs	pg/g	362	1290	388	3010	15500	1670	1170	5590	8630	10100	2070	3790	3510
Nonachlorobiphenyl homologs	pg/g	139	165	148	304	1180	250	237	923	1110	1230	349	520	452

Table 4-7. Analytical Results for Tissue Samples.

Location Name	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022
X_Easting	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164
Y_Northing	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325
Sample ID	LW2-BTLW010	LW2-BTLW011	LW2-BTLW012	LW2-BTLW013	LW2-BTLW014	LW2-BTLW015	LW2-BTLW016	LW2-BTLW017	LW2-BTLW018	LW2-BTLW019	LW2-BTLW020	LW2-BTLW021	LW2-BTLW022
Sample Date	03/03/2006	03/01/2006	03/06/2006	01/18/2006	03/07/2006	03/07/2006	03/07/2006	01/17/2006	03/06/2006	03/09/2006	01/11/2006	01/17/2006	01/13/2006
Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name / Unit													
Total solids percent	16.4	14.6	17.1	15.8	16.6	15.6	14.8	16.3	14.7	15.2	13.7 T	15.9	14.6
Lipids percent	2.47	2.13	2.8	2.57	2.52	2.15	2.37	2.59	2.21	2.33	1.79	2.26	2.39
Aluminum mg/kg	539	232	139	293	349	238	334	291	305	431	404 T	312	159
Antimony mg/kg	0.001 UJ	0.002 UJ	0.004 UJ	0.003 UJ	0.002 UJ	0.003 UJ	0.001 UJ	0.002 J	0.002 UJ	0.001 UJ	0.001 UJT	0.003 J	0.004 J
Arsenic mg/kg	0.895	1.83	0.588	0.776	1.38	1.75	1.68	1.13	1.7	3.04	0.912 T	1.94	0.985
Cadmium mg/kg	0.0693 J	0.0451 J	0.0756 J	0.0517	0.0577 J	0.0567 J	0.0528 J	0.0499	0.0421 J	0.066 J	0.0397 T	0.045	0.0432
Chromium mg/kg	0.62	0.3	0.33	0.76	0.44	0.32	0.42	0.75	0.4	0.52	0.56 T	0.63	0.36
Copper mg/kg	2.64	2.22	2.58	3.49	2.25	2.04	2.07	2.2	2.23	2.63	2.31 T	2.08	2.32
Lead mg/kg	0.439	0.186	0.232	0.407	0.555	0.224	0.274	0.329	0.228	0.329	0.287 T	0.303	0.206
Mercury mg/kg	0.0054	0.0082	0.0042	0.004 J	0.0064	0.0072	0.0105	0.006 J	0.0063	0.0064	0.004	0.004 J	0.004 J
Nickel mg/kg	0.524	0.313	0.241	0.518	0.381	0.281	0.327	0.482	0.349	0.418	0.411 T	0.405	0.23
Selenium mg/kg	0.27	0.31	0.31	0.09	0.33	0.31	0.36	0.09	0.3	0.3	0.2 JT	0.1	0.11
Silver mg/kg	0.0088	0.0055	0.0087	0.0068	0.0087	0.007	0.0059	0.0062	0.0069	0.0078	0.0067 T	0.0064	0.0043
Zinc mg/kg	25.1	22.1	30.7	28.4	29.7	26.4	24.9	30.3	23.4	25.2	18.2 T	27.8	25.1
Butyltin ion µg/kg	21 J	9.4	2.2	30	11	17	11 U	13 J	7.1	190	10	21 J	480 J
Dibutyltin ion µg/kg	2.5	1.2	0.47 U	6.5	2.2	3.7	4.6	2	2.2	32	2.3	3	55
Tributyltin ion µg/kg	2.1	0.92 U	0.44 U	2.7	1.2 U	2.3 U	3	1.9 U	1.9 U	15 U	2.2 U	2.9 U	49
Tetrabutyltin µg/kg	1 U	0.44 U	0.067 U	0.68 U	1.1 U	0.21 U	0.27 U	2.3 U	1 U	1.4 U	0.75 U	1.8	2.5
2-Methylnaphthalene µg/kg	0.85 J	1.7	2.2	2.3	19	43	1.5	0.15 U	1.8	0.29 J	0.3 U	1.6	1.6
Acenaphthene µg/kg	8.5	13	460	27	520	460	7.5	140	66	1.7	9.3	6.6	7.8
Acenaphthylene µg/kg	3.1	8.9	20	9.5	29	22	3.7	22	5.6	1.2	3.7	3.5	4.5
Anthracene µg/kg	8.3	25	65	21	650	450	12	98	77	4.5	8.6	14	6.8
Fluorene µg/kg	8.2	14	300	26	300	250	10	92	79	4.7	9	10	4.8
Naphthalene µg/kg	1.1 U	1.4 U	2.9	2.3 U	11	31	1.3 U	7.5	1.4 U	0.53 U	1.2 U	3.2 U	1.2 U
Phenanthrene µg/kg	49	71	2200	120	2200	2500	17	330	360	7.7	59	50	14
Low Molecular Weight PAH µg/kg													
Dibenzo(a,h)anthracene µg/kg	1.9	2.1	95	3.8	89	17	1.8	11	6	0.98	0.22 U	1.6	1.6
Benzo(a)anthracene µg/kg	36	76	1400	73	2600	950	45	370	310	24	34	45	31
Benzo(a)pyrene µg/kg	18	38	970	28	1500	400	18	140	100	6.6	10	12	16
Benzo(b)fluoranthene µg/kg	39	61	1500	59	1600	440	45	200	200	27	29	32	48
Benzo(g,h,i)perylene µg/kg	13	18	600	22	720	140	10	70	42	4.8	8	10	13
Benzo(k)fluoranthene µg/kg	23	47	960	46	1500	360	28	170	130	14	20	20	24
Chrysene µg/kg	75	170	2500	170	3900	1600	83	650	470	51	72	89	82
Fluoranthene µg/kg	140	330	5500	390	10000	4600	140	1300	1700	93	180	200	84
Indeno(1,2,3-cd)pyrene µg/kg	10	12	580	15	670	110	7.9	54	32	3	7.2	7.9	8.6
Pyrene µg/kg	130	320	6100	370	11000	5400	120	1400	1500	70	150	170	110
High Molecular Weight PAH µg/kg													
Polycyclic Aromatic Hydrocarbons µg/kg													
1,2,4-Trichlorobenzene µg/kg	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U
1,2-Dichlorobenzene µg/kg	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	24 UJ	12 U	12 U
1,3-Dichlorobenzene µg/kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	22 UJ	11 U	11 U
1,4-Dichlorobenzene µg/kg	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	22 UJ	11 U	11 U
Benzyl alcohol µg/kg	530	1100	870	990	610	780	670	2200	1200	490	4900 J	1400	1700
Dibenzofuran µg/kg	2	3.4	8.7	5.1	27	21	3.5	12	16	1.3	2.8	2.8	1.2
Hexachlorobenzene µg/kg	0.242 J	0.442	0.345	1.19	0.583	0.531	0.452	2.69	1.15	0.481	0.585 J	0.642	0.402
Hexachlorobutadiene µg/kg	0.005 UJ	0.004 UJ	0.00363 J	0.0229 UJ	0.00435 UJ	0.0048 J	0.00279 UJ	11.7 J	0.0355 UJ	0.0181 UJ	17 U	0.00699 UJ	8.5 U
Hexachloroethane µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	17 U	8.5 U	8.5 U
N-Nitrosodiphenylamine µg/kg	9.5 U	9.5 U	190	9.5 U	9.5 U	9.5 U	9.5 U	9.5 U	48	9.5 U	19 U	9.5 U	9.5 U
Dimethyl phthalate µg/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U	5.1 U	5.1 U
Diethyl phthalate µg/kg	9.4 U	9.4 U	9.4 U	14 U	9.4 U	9.4 U	9.4 U	15 U	9.4 U	9.4 U	23 U	15 U	14 U
Dibutyl phthalate µg/kg	16 U	16 U	16 U	270 U	16 U	16 U	16 U	280 U	16 U	16 U	470 J	230 U	280 U
Butylbenzyl phthalate µg/kg	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	14 U	28 U	14 U	14 U
Di-n-octyl phthalate µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	26 U	13 U	13 U
Bis(2-ethylhexyl) phthalate µg/kg	220 J	110 J	180 J	53 U	100 J	130 J	120 J	53 U	200 J	160 J	110 U	53 U	53 U

Table 4-7. Analytical Results for Tissue Samples.

Location Name		BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022
X_Easting		7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164
Y_Northing		712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325
Sample ID		LW2-BTLW010	LW2-BTLW011	LW2-BTLW012	LW2-BTLW013	LW2-BTLW014	LW2-BTLW015	LW2-BTLW016	LW2-BTLW017	LW2-BTLW018	LW2-BTLW019	LW2-BTLW020	LW2-BTLW021	LW2-BTLW022
Sample Date		03/03/2006	03/01/2006	03/06/2006	01/18/2006	03/07/2006	03/07/2006	03/07/2006	01/17/2006	03/06/2006	03/09/2006	01/11/2006	01/17/2006	01/13/2006
Species		lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
2,4-Dimethylphenol	µg/kg	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	26 U	13 U	13 U
2-Methylphenol	µg/kg	93	60 J	210	250	96	78 J	85	210	53 U	110	110 U	130	160
4-Methylphenol	µg/kg	42 J	32 J	74 J	200	66 J	54 J	57 J	140	51 J	50 J	180	140	130
Pentachlorophenol	µg/kg	31 U	31 U	31 U	R	31 U	31 U	31 U	R	31 U	31 U	R	R	R
Phenol	µg/kg	18 J	24 J	23 J	30 J	18 J	20 J	21 J	50 J	18 J	19 J	34 U	22 J	17 U
2,4'-DDD	µg/kg	6.77	3.51	17.6	3.97	14	10.9	3.29	204	191	1.94	12.5	4.9	2.64
2,4'-DDE	µg/kg	1.05	0.549	3.69	0.454	2.42	1.7	0.595	16.8	52.7	0.348	1.18	0.962	0.86
2,4'-DDT	µg/kg	0.138 J	0.074 J	0.399 J	0.226 J	0.201 J	0.04 U	0.196 J	3.13	4.27 U	0.0695 J	0.29 J	0.0211 U	0.0213 U
4,4'-DDD	µg/kg	38.5	17.9	61.1	23.2	57.1	51.4	17.6	1060	705	9.46	51.7	24.7	15
4,4'-DDE	µg/kg	46.3	17.8	42.3	16.2	24.8	25.3	27.6	171	31.2 J	20.1	24	24.8	22.1
4,4'-DDT	µg/kg	0.435	0.252 J	1.65	2.6	0.939	0.859	0.305	31.1	37.9	0.151 U	0.541 J	0.396	0.102 J
Total of 4,4'-DDD, -DDE, -DDT	µg/kg													
Aldrin	µg/kg	1.02	0.429 J	0.175 U	0.255 J	0.392 J	0.443 J	0.627	0.34 J	0.555	0.582	0.383 J	0.467	0.451 J
alpha-Hexachlorocyclohexane	µg/kg	0.015 U	0.006 J	0.063 U	0.0111 U	0.0631 U	0.014 J	0.00973 U	0.0633 U	0.0633 U	0.0632 U	0.0119 J	0.0117 J	0.0105 J
beta-Hexachlorocyclohexane	µg/kg	0.0519 U	0.003 J		0.0525 U		0.019 J	0.042 U	0.0415 U	0.0493 J	0.0571 U	0.00654 J	0.0103 J	0.0417 U
delta-Hexachlorocyclohexane	µg/kg	0.00401 J	0.00108 U	0.00201 U	0.00207 U	0.00185 U	0.0018 U	0.0183 U	0.0181 U	0.0161 J	0.00147 U	0.00721 J	0.0181 U	0.0182 U
gamma-Hexachlorocyclohexane	µg/kg	0.014 U	0.008 J	0.0587 U	0.013 U	0.0304 U	0.0127 J	0.0308 U	0.0327 U	0.0304 U	0.0376 U	0.0165 J	0.0167 J	0.0121 J
cis-Chlordane	µg/kg	8.18	1.02	1.45	1.38	1.16	0.919	1.81	0.0749 U	1.4	1.33	1.55	1.29	1.4
trans-Chlordane	µg/kg	5.39	0.686	1.49	0.995	0.849	0.721	1.13	0.0304 U	1.37	0.868	1.3	1.15	1.17
Oxychlordane	µg/kg	0.038 J	0.023 J	0.0668 U	0.0396 J	0.042 U	0.0154 J	0.00788 U	0.334 J	0.0671 U	0.0445 U	0.0333 J	0.0366 J	0.0178 U
cis-Nonachlor	µg/kg	1.93	0.312 J	0.633	0.374 J	0.377 J	0.295 J	0.467	1.89	0.39 J	0.374 J	0.459 J	0.371 J	0.449 J
trans-Nonachlor	µg/kg	3.58	0.641	0.744	0.725	0.625	0.591	0.793	5.54	0.877	0.732	0.972 J	0.739	0.798
Total Chlordanes	µg/kg													
Dieldrin	µg/kg	0.526	0.303	0.451	0.402	0.345	0.201	0.206	0.891	0.279	0.191	0.784	0.526	0.19
alpha-Endosulfan	µg/kg	0.0296 U	0.0234 U	0.043 U	0.0423 U	0.04 U	0.033 U	0.03 U	0.0757 U	0.03 U	0.028 U	0.072 J	0.034 U	0.0238 U
beta-Endosulfan	µg/kg	0.0518 J	0.065 J	0.0613 U	0.0877 U	0.0778 J	0.0628 U	0.0509 J	0.108 U	0.061 U	0.0479 J	0.133 U	0.121 J	0.0743 U
Endosulfan sulfate	µg/kg	0.383	0.352	0.246	0.366	0.396	0.363 J	0.319	0.278	0.392	0.294	0.358	0.347	0.305
Endrin	µg/kg	0.0254 U	0.00767 J	0.0253 U	0.00534 J	0.0252 U	0.0511 U	0.0256 U	0.0349 U	0.0511 U	0.0255 U	0.0276 J	0.00722 U	0.0254 U
Endrin aldehyde	µg/kg	0.0191 U	0.0187 U	0.019 U	0.024 U	0.0189 U	0.0384 U	0.0192 U	0.019 U	0.0384 U	0.0191 U	0.0205 U	0.019 U	0.0191 U
Endrin ketone	µg/kg	0.0397 U	0.039 U	0.0396 U	0.05 U	0.0394 U	0.0799 U	0.04 U	0.05 U	0.08 U	0.0398 U	0.00888 J	0.0395 U	0.0397 U
Heptachlor	µg/kg	0.013 J	0.005 U	0.022 U	0.0129 J	0.0221 U	0.0224 U	0.0224 U	0.0184 J	0.00331 U	0.0221 U	0.0104 J	0.00512 J	0.00491 U
Heptachlor epoxide	µg/kg	0.0223 J	0.00918 J	0.0254 J	0.0259 J	0.0164 J	0.00732 J	0.00881 J	0.0255 J	0.0105 J	0.00879 J	0.0315 J	0.0196 J	0.00953 J
Methoxychlor	µg/kg	0.0213 U	0.0187 U	0.486 U	0.0104 U	0.371 U	0.105 U	0.0241 U	0.0915 U	0.07 U	0.0217 U	0.0238 U	0.0309 U	0.0406 U
Chlordane (cis & trans)	µg/kg													
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.455	0.333	0.96	0.513 U	0.48 J	0.535	0.512	163	0.56	0.366	0.364	0.616	0.717 U
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.685 J	0.53 J	1.92	1.01 J	1.07 J	0.851 J	1.84	196	0.814 J	1.16	0.567 J	0.767 J	1.19
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.352 J	0.269 J	0.884 J	0.453 J	0.708 J	0.485 J	0.66 J	3.48	0.419 J	0.619 J	0.249 J	0.327 J	0.597 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	2.38	1.65	7.58	3.07	3.43 J	2.96	5.43	19.6	1.98	6.75	1.32	1.7	6
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.574 J	0.48 U	2.7	0.839 U	1.3 J	0.906 J	1.49	5.24	0.652 U	1.13 J	0.431 J	0.532 U	1.09 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	7.72	6.3	21.7	8.61	10.5	7.54	15.2	12.2	7.42	25.7	5.19	6.6	19.8
2,3,7,8-Tetrachlorodibenzofuran	pg/g	1.56	2.01	13.1	1.93	7.96	9.11	2.04	447	88.3	1.93	3.69	3.78	2.44
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.738 J	0.989 J	12.4	0.896 J	5.4 J	5.37	1.05 U	76	50.2	2.23	1.57	1.5	1 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.813 J	0.767 J	7.07	1.08 J	3.41 J	3.12	1.69	111	26.1	3.42	1.18 J	1.25	1.36
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.659 J	0.62 J	9.01	0.909 J	3.72 J	2.9	1.82	39	25.2	2.69	0.827 J	0.853 J	0.912 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.402 J	0.283 J	4.51	0.474 J	1.22 J	0.875 J	0.605 J	13.4	6.95	0.873 J	0.346 J	0.534 J	0.494 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.069 U	0.13 U	0.239 U	0.167 U	0.146 U	0.07 U	0.063 U	0.727 J	0.46 J	0.113 U	0.143 U	0.132 U	0.134 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.235 J	0.157 J	1.55	0.297 J	0.559 U	0.425 U	0.412 U	6.08	1.27	0.662 J	0.187 U	0.256 U	0.369 J
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	1.64	1.32	12.8	2.08	3.32 J	1.95	2.92	10.2	5.35	4.98	1.15 J	1.59	2.59
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.134 J	0.055 J	0.449 U	0.148 U	0.196 U	0.157 U	0.317 U	2.75	1.29	0.221 U	0.079 U	0.147 J	0.128 J
Tetrachlorodibenzo-p-dioxin homologs	pg/g	8.71	8.44	7.78	8.69	10.7	11.2	13.5	446	11.9	9.49	9.55	9.63	9.17
Pentachlorodibenzo-p-dioxin homologs	pg/g	3.63	2.39	12.5	3.03	4.1	3.58	10.7	291	3.81	4.5	2.94	2.96	5.71
Hexachlorodibenzo-p-dioxin homologs	pg/g	8.79	5.35	34.1	8.65	14.6	10.3	18.4	71.1	7.52	16.8	4.83	6.38	17.4
Heptachlorodibenzo-p-dioxin homologs	pg/g	15.3	16.5	43	16.1	19.8	13.9	29.3	29.4	18	48.9	10.9	14.9	35.6
Octachlorodibenzo-p-dioxin	pg/g	33.8	23	69	25.4	24.6	19.8	76	38	42.5	107	24.1	35.5	74.3

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022
	X_Easting	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164
	Y_Northing	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325
	Sample ID	LW2-BTLW010	LW2-BTLW011	LW2-BTLW012	LW2-BTLW013	LW2-BTLW014	LW2-BTLW015	LW2-BTLW016	LW2-BTLW017	LW2-BTLW018	LW2-BTLW019	LW2-BTLW020	LW2-BTLW021	LW2-BTLW022
	Sample Date	03/03/2006	03/01/2006	03/06/2006	01/18/2006	03/07/2006	03/07/2006	03/07/2006	01/17/2006	03/06/2006	03/09/2006	01/11/2006	01/17/2006	01/13/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
Tetrachlorodibenzofuran homologs	pg/g	14.2	12	68.5	11.3	27.3	28.9	21.6	4000	209	12.4	17.4	17.7	13.5
Pentachlorodibenzofuran homologs	pg/g	13.1	7.89	87.3	11.3	20.2	23.4	31.3	1380	137	36.6	12.9	12	18.3
Hexachlorodibenzofuran homologs	pg/g	7.24	5.36	50.6	9.35	19.3	12.8	15.8	160	46.4	38.2	5.75	7.08	15.7
Heptachlorodibenzofuran homologs	pg/g	5.44	4.65	28.2	6.5	8.93	5.79	9.83	19.9	11.3	17.9	3.63	5.41	9.56
Octachlorodibenzofuran	pg/g	2.34	2.22 J	5.71	1.96 J	2.29 J	1.96 J	4.3	6.98	5.88	4.59	1.64 J	2.3	2.71
Aroclor 1016	pg/g	0.652 U	0.69 U	0.918 U	0.565 U	0.935 U	0.517 U	9.43 U	14.7 U	0.723 U	0.975 U	1.41 U	0.615 U	0.624 U
Aroclor 1221	pg/g	0.338 U	0.294 U	0.568 U	0.293 U	0.485 U	0.281 U	4.42 U	7.65 U	0.192 U	0.505 U	0.729 U	0.158 U	0.153 U
Aroclor 1232	pg/g	0.577 U	0.691 U	1.38 U	0.258 U	0.438 U	0.682 U	0.595 U	9.59 U	0.437 U	0.509 U	0.36 U	0.318 U	0.371 U
Aroclor 1242	pg/g	8470 NJ	7940 NJ	31900 NJ	5360 NJ	4930 NJ	4930 NJ	31500 NJ	16.4 U	19500 NJ	3840 NJ	11100 NJ	22300 NJ	9510 NJ
Aroclor 1248	pg/g	7.4 U	10.9 U	111 U	7.02 U	17.7 U	26.9 U	601 U	1830000 NJ	26 U	7.94 U	9.96 U	33.9 U	71.9 U
Aroclor 1254	pg/g	46200 NJ	42800 NJ	152000 NJ	75300 NJ	32400 NJ	32100 NJ	1040000 NJ	67.6 U	80500 NJ	30200 NJ	37500 NJ	66700 NJ	233000 NJ
Aroclor 1260	pg/g	21400 NJ	18700 NJ	44200 NJ	106000 NJ	13900 NJ	13000 NJ	787000 NJ	39200 NJ	36300 NJ	17200 NJ	12200 NJ	25000 NJ	69800 NJ
Aroclors	pg/g													
PCB001	pg/g	4.25	11.3	17.4	6.74	2.66	2.6	141	1230	9.04	3.38		7.4	43.3
PCB002	pg/g	5.64	16.8	4.42	8.37	8.63	5.13	14.5	21	11.1	13.1		7.95	14.2
PCB003	pg/g	3.86	10.2	8.19	6.66 U	2.82 U	3.14	37.2	360	7.01	3.47		6.19 U	13.9 U
PCB004	pg/g	126	169 J	156	153	88.3	81.6	29600	4680	143	104 J	94.8 J	119	123
PCB005	pg/g	2.85	3.3 J	6.91	2.5	1.22	0.981	3.9 U	89.1	3.15	1.74 J	2.38 J	3.41	5.84
PCB006	pg/g	39.2	38.1 J	103	39.2	17	15.7	338	834	80.8	21.3 J	42.6 J	55.1	66
PCB007	pg/g	8.42	8.93 J	23.8	8.82	3.44	3.42	126	453	8.35	5.09 J	6.71 J	10.5	17.1
PCB008	pg/g	168	173 J	392	171	76.3	63.9	423	12900	210	103 J	168 J	293	235
PCB009	pg/g	10.6	11.2 J	31.6	10.4	4.88	4.42	140	402	13.1	6.1 J	8.31 J	14.5	17.4
PCB010	pg/g	5.3	7.83 J	9.59	7.85	4.13	3.92	1780	68.1	5.55	5.26 J	2.42 J	4.38	6.21
PCB011	pg/g	142	280 J	115	207	217	194	128	218	327	141 J	281 J	202	120
PCB012 & 013	pg/g	15.1	20.1 J	53.4	15.2	13.6	12.1	405	252	47.5	11.4 J	26.5 J	19.1	22.8
PCB014	pg/g	0.529 J	0.821 J	2.11	0.533 J	0.741 U	0.481 J	3.7 U	11.6	1.27	0.55 J	0.799 UJ	0.529 J	1.27
PCB015	pg/g	83.9	113 J	271	95	81.3	83.2	519	6440	136	53.7 J	115 J	144	88
PCB016	pg/g	195	174	604	113	94.8	78.7	594	10400	320	72.2 J	199 J	473	182
PCB017	pg/g	389	298	1110	262	181	169	31300	13000	555	160 J	297 J	763	381
PCB018 & 030	pg/g	529	427	1830	323	266	229	4630	38000	1030	200 J	518 J	1370	500
PCB019	pg/g	235	291	334	423	171	170	108000	2040	239	236 J	144 J	203	205
PCB020 & 028	pg/g	1170	1190	4640	758	750	788	3900	60900	2910	573	1720 J	3210	1520
PCB021 & 033	pg/g	514	411	1730	291	221	210	2890	28100	811	216	535 J	1240	651
PCB022	pg/g	335	315	1150	195	180	189	214	18800	728	162	467 J	869	268
PCB023	pg/g	1.47	0.991	2.77	0.723	0.477 J	0.549 J	31.8	43.7	2.56	0.422 J	0.802 J	2.01	0.872
PCB024	pg/g	7.72	7.15	23.5	4.05	3.7	3.14	0.723 U	123	8.89	2.91 J	4.42 J	14.9	7.48
PCB025	pg/g	109	94.7	410	79.9	56.7	60.7	3850	2460	338	44.3	228 J	188	136
PCB026 & 029	pg/g	202	183	850	130	123	119	3030	6250	593	79.2 J	379 J	417	195
PCB027	pg/g	66.7	69.9	163	84.5	39.1	34.7	19000	1260	82.9	42.4 J	48 J	101	73.1
PCB031	pg/g	955	856	3760	536	550	564	1540	73200	2340	404	1310 J	2570	914
PCB032	pg/g	233	213	778	180	109	101	8420	11400	445	101 J	235 J	521	298
PCB034	pg/g	13.1	7.44	77.5	6.46	5.27	6.75	92.1	200	30.6	4.29 J	11.9 J	31.4	27.7
PCB035	pg/g	13.1	17.1	50	14.5	13.3	13.7	12.7	143	34.1	7.15	23.4 J	27.3	19.8
PCB036	pg/g	2.53 U	5.38	10.1	3.97	3.37	3.78	3.59 U	9.65 U	6.64	2.37	3.99 J	3.67	4.37
PCB037	pg/g	186	237	680	159	155	183	169	7450	385	115	292	526	237
PCB038	pg/g	2.32 U	1.65 U	0.579 U	3.24	0.577 U	0.588 U	119	84.9	0.589 U	0.583 U	2.5 J	4.33	6.29
PCB039	pg/g	0.576 U	10.9	73.7	10.5	8.42	8.71	60.9	816	31.3	5.98	20 J	43.7	39.1
PCB040 & 041 & 071	pg/g	1100	978	3780	808	690	617	24700	67800	2690	503	1300	2590	1980
PCB042	pg/g	580	490	2110	378	359	313	3550	33400	1310	236	713	1350	1260
PCB043	pg/g	94.2	82.2	326	58.5	52	47.4	3610	5300	217	42.1	98.5	216	109
PCB044 & 047 & 065	pg/g	2910	2510	9210	3620	1730	1500	262000	120000	5580	1480	2770	4950	7420
PCB045 & 051	pg/g	536	466	1220	774	293	242	100000	22000	799	270	418	842	1120
PCB046	pg/g	97	82.8	349	67.6	55.9	47.5	3870	6500	209	37.9	119	225	165
PCB048	pg/g	415	336	1520	208	225	205	1870	30700	900	157	416	1080	428

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022
	X_Easting	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164
	Y_Northing	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325
	Sample ID	LW2-BTLW010	LW2-BTLW011	LW2-BTLW012	LW2-BTLW013	LW2-BTLW014	LW2-BTLW015	LW2-BTLW016	LW2-BTLW017	LW2-BTLW018	LW2-BTLW019	LW2-BTLW020	LW2-BTLW021	LW2-BTLW022
	Sample Date	03/03/2006	03/01/2006	03/06/2006	01/18/2006	03/07/2006	03/07/2006	03/07/2006	01/17/2006	03/06/2006	03/09/2006	01/11/2006	01/17/2006	01/13/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
PCB049 & 069	pg/g	2050	1590	8280	1750	1220	1070	75300	78500	4010	884	1840	3440	6280
PCB050 & 053	pg/g	505	455	1030	572	294	251	86900	18100	719	257	367	716	987
PCB052	pg/g	2920	2530	12400	2200	1980	1660	55200	145000	6520	1320	2990	5390	10100
PCB054	pg/g	80	77.9	32.7	189	44.6	40.5	35600	207	45.7	76.4	28.7	38.4	92.9
PCB055	pg/g	16.6	1.91 U	3.54 U	15.7	3.17 U	1.95 U	10.6 U	953	2.02 U	1.93 U	30.5	44.7	1.92 U
PCB056	pg/g	621	811	3200	562	617	585	588	54400	2470	439	1150	2410	1450
PCB057	pg/g	13.5	15.1	48.5	15.4	8.66	7.85	1080	381	35.5	7.58	14.9	24.5	14.3
PCB058	pg/g	16.6	9.6	88	10.9	8.01	8.96	10.5 U	197	24.8	6.26	12	22.1	81.8
PCB059 & 062 & 075	pg/g	229	206	846	204	140	125	11900	9610	461	109	231	452	461
PCB060	pg/g	183	362	560	221	245	212	189	32800	978	186	414	816	242
PCB061 & 070 & 074 & 076	pg/g	3140	3700	13800	2610	2660	2530	5140	202000	8590	1890	4380	9700	9750
PCB063	pg/g	101	102	397	81.6	65.5	69	614	5240	277	51	111	251	246
PCB064	pg/g	908	878	3410	565	650	556	1060	60900	2470	408	1150	2330	1760
PCB066	pg/g	1730	2100	7610	1400	1530	1460	8540	100000	5200	1100	2580	5260	5620
PCB067	pg/g	69.7	71.1	215	59.3	37.6	42.4	1450	2350	178	34.6	78.1	144	120
PCB068	pg/g	66.5	39.5	214	92.7	23.1	24.9	2330	316	96.2	25.1	34.2	50.5	271
PCB072	pg/g	89.9	50.6	337	93.6	34.2	36.6	798	659	113	27.5	46	80.7	378
PCB073	pg/g	27.5	28.7	1.65 U	71.7	12.9	12.4	8310	22.7 U	1.67 U	26.3	10.2	1.63 U	63.2
PCB077	pg/g	87.4	147	454	125	103	123	118	5780	333	77.7	169	325	255
PCB078	pg/g	1.33 U	1.92 U	3.63 U	1.52 U	3.05 U	1.23 U	11.1 U	39.4 U	2.07 U	1.44 U	1.89 U	1.49 U	1.21 U
PCB079	pg/g	59.6	51	191	82.6	27.2	35	366	845	87.1	30	46.6	74.6	292
PCB080	pg/g	2.47	2.08 U	8.26	8.11	2.75 U	2.13 U	9.67 U	34.3 U	4.88	2.11 U	2.25 U	2.08 U	6.29
PCB081	pg/g	2.76 U	3.99	9.23	5.49	4.25	3.83	14.9	311	11.9	3.4	4.67	8.96	6.96
PCB082	pg/g	271	338	1040	355	255	234	747	11200	704	217	330	674	1200
PCB083 & 099	pg/g	3530	3050	11500	5990	2330	2320	96100	45100	5730	2200	2590	4500	17900
PCB084	pg/g	674	661	2710	907	526	421	11700	19600	1400	387	670	1210	3720
PCB085 & 116 & 117	pg/g	625	736	2020	754	539	499	5770	17900	1380	464	636	1200	2530
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	2250	2310	7530	3420	1720	1680	34300	49700	4330	1570	2100	3830	11300
PCB088 & 091	pg/g	862	742	2620	1210	603	494	29300	17000	1380	518	638	1180	4350
PCB089	pg/g	32.6	33.3	131	30.7	29.1	25.4	223	2260	110	19.4	39.3	87.5	102
PCB090 & 101 & 113	pg/g	5350	4800	19300	10700	4010	3490	131000	62000	10300	3430	4040	7270	28900
PCB092	pg/g	1320	1060	4530	2760	883	752	48700	11000	2490	811	829	1500	6850
PCB093 & 095 & 098 & 100 & 102	pg/g	4220	3740	14300	7240	3030	2440	190000	60200	7480	2460	3210	5570	22400
PCB094	pg/g	73.5	66.3	86.2	207	40	33.7	17900	755	66.9	57.9	31.8	57.7	221
PCB096	pg/g	41.1	43.2	70.7	66.8	30.1	24.8	5530	922	62.9	28.1	28.4	53.6	150
PCB103	pg/g	211	149	500	391	120	108	15100	768	268	125	89	154	936
PCB104	pg/g	16.4	16.6	7.32	50.7	10.5	8.52	4780	20.8	9.53	16.5	6.18	8.25	29.3
PCB105	pg/g	773	1200	2320	1170	743	808	1690	24700	1750	746	992	1700	3050
PCB106	pg/g	1.45 U	5.96 U	0.995 U	3.38 U	0.719 U	0.733 U	242	69.3	5.51 U	0.728 U	2.23 U	3.88 U	3.68 U
PCB107 & 124	pg/g	106	147	343	179	101	101	522	2130	203	94.3	118	207	499
PCB109	pg/g	314	323	1110	604	225	242	1830	4030	484	223	273	470	1600
PCB110 & 115	pg/g	4440	4720	14700	7380	3440	3250	38900	70100	8230	3150	4430	7560	26600
PCB111	pg/g	13.7	9.63	48.4	49.9	6.38	7.82	387	27.3	26.5	9.35	5.95	11	66.5
PCB112	pg/g	1.63 U	1.81 U	2.24 U	0.794 U	0.63 U	1.04 U	11800	8.72 U	4.82 U	1.36 U	0.686 U	0.655 U	1.9 U
PCB114	pg/g	43.3	77.1	152	63.9	47.6	51.7	103	2360	120	46.3	60.3	123	188
PCB118	pg/g	2850	3510	7870	4860	2240	2490	19900	44300	5040	2260	2880	5010	15300
PCB120	pg/g	65.1	37	185	186	27.1	31	848	145	81.8	33.6	29.6	49.5	299
PCB121	pg/g	12.5	11.8	23.9	29.9	8.05	7.18	1110	16.7	21.6	10.2	4.67	7.2	40.2
PCB122	pg/g	32.4	46.7	128	44.9	31.2	32.5	96.2	1060	78	33.4	39.5	70.7	148
PCB123	pg/g	42.4	66.4	120	56.1	41.7	42	317	1470	82.2	40.2	49.2	94.9	155
PCB126	pg/g	8.87	11.3	24.6	29.3	8.01	9.49	35.4	118	14.3	7.84	11	14.2	28.8
PCB127	pg/g	1.54 U	6.54 U	8.27	6.06	1.87	3.17	44.4	34 U	5.11 U	2.86	3.81	5.32	14.9
PCB128 & 166	pg/g	632	724	1630	1650	431	454	8850	2240	964	504	543	799	2820
PCB129 & 138 & 160 & 163	pg/g	7750	8150	18000	28300	5260	5450	314000	19600	12400	6660	6740	9580	35700

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022
	X_Easting	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164
	Y_Northing	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325
	Sample ID	LW2-BTLW010	LW2-BTLW011	LW2-BTLW012	LW2-BTLW013	LW2-BTLW014	LW2-BTLW015	LW2-BTLW016	LW2-BTLW017	LW2-BTLW018	LW2-BTLW019	LW2-BTLW020	LW2-BTLW021	LW2-BTLW022
	Sample Date	03/03/2006	03/01/2006	03/06/2006	01/18/2006	03/07/2006	03/07/2006	03/07/2006	01/17/2006	03/06/2006	03/09/2006	01/11/2006	01/17/2006	01/13/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
PCB130	pg/g	427	393	1260	1150	242	261	6630	1170	608	313	306	455	1730
PCB131	pg/g	39.2	42	129	106	24.6	25.9	848	221	73.1	28.9	35	50.5	200
PCB132	pg/g	1740	1640	5400	5990	1150	1180	55000	5960	3190	1370	1300	2080	8510
PCB133	pg/g	234	193	738	714	126	135	7060	454	454	196	123	204	1030
PCB134 & 143	pg/g	290	271	832	807	176	192	11800	1010	443	222	215	303	1260
PCB135 & 151 & 154	pg/g	4920	4530	11000	14500	3200	3020	277000	10900	8790	3670	210	5060	20500
PCB136	pg/g	1020	892	2430	2770	700	603	49100	2760	1710	689	627	1040	4730
PCB137	pg/g	106	96.7	232	162	46.9	72.9	1530	544	157	71.2	103	147	412
PCB139 & 140	pg/g	122	104	409	319	73	72.9	1720	600	247	82.9	80.1	120	619
PCB141	pg/g	643	537	1410	2710	329	429	29700	1880	1370	417	487	915	2320
PCB142	pg/g	5.7 U	13.9 U	29.1 U	5.26 U	9.04 U	10.1 U	279 U	35.1 U	15.7	17.8 U	4.74 U	4.54 U	21.7 U
PCB144	pg/g	296	303	861	1060	218	202	11800	967	586	228	217	364	1140
PCB145	pg/g	1.8	1.9	5.23	2.56	1.15 U	1.18 U	101	17.7	3.47	1.27	1.11	1.83	5.98
PCB146	pg/g	2220	1640	6150	6730	1040	1180	58300	3880	3620	1560	1210	1980	9370
PCB147 & 149	pg/g	8640	7400	23400	26900	5680	5620	381000	21800	14100	6720	6630	9920	41600
PCB148	pg/g	61.8	40.3	180	164	30.5	30.3	2040	103	116	44.1	26.1	42.3	279
PCB150	pg/g	53.9	37.1	115	95.3	28.6	26.4	1920	80	78.6	35.8	22.8	36.3	258
PCB152	pg/g	15.1	14.8	9.96	42.9	7.94	7.34	2280	27.8	9.66	13.5	6.74	9.4	55
PCB153 & 168	pg/g	8360	7710	18500	28700	4760	5530	357000	15900	12100	7170	5810	8730	33900
PCB155	pg/g	5.76	5.9	8.88	14.3	4.07	3.45	564	29.1	7.67	5.7	2.81	3.63	15.4
PCB156 & 157	pg/g	433	571	1150	1490	359	373	10700	1710	767	399	368	620	2060
PCB158	pg/g	440	504	999	1660	296	330	17500	1440	802	388	374	560	1780
PCB159	pg/g	66.7	52.2	169	312	35.9	43	2970	148 U	116	55.4	44.7	82.8	242
PCB161	pg/g	4 U	9.45 U	19.7 U	3.68 U	6.28 U	7.07 U	195 U	25.4 U	2.54 U	12.4 U	3.38 U	3.04 U	14.5 U
PCB162	pg/g	17.3	19.5	54.9	40.5	12.7	14.2	223	59	24.5	17	13.9	20.8	65.3
PCB164	pg/g	552	570	1480	1920	369	356	22700	1360	903	437	414	643	2410
PCB165	pg/g	16.8	14.7	49.6	34.9	11.1	11.6	826	27.4 U	32.5	14.5 U	8.45	13.5	70.5
PCB167	pg/g	190	234	420	694	139	147	5010	536	305	171	150	238	813
PCB169	pg/g	5.7 U	11.8 U	25.4 U	19.6 U	6.7 U	8.63 U	234 U	12.8 U	7.57 U	15.5 U	3.34 U	3.96 U	11.7 U
PCB170	pg/g	1310	1320	2770	7280	976	828	59600	2400	2300	1210	739	1530	4930
PCB171 & 173	pg/g	464	444	1060	2070	314	284	16200	911	826	391	251	458	1610
PCB172	pg/g	288	252	612	1210	173	159	10500	460	451	237	145	284	865
PCB174	pg/g	1620	1320	3610	7030	1000	918	54600	3000	2720	1240	974	1770	5210
PCB175	pg/g	69.9	66.5	189	271	46.2	44	2750	137	128	63.3	41.4	77.7	234
PCB176	pg/g	293	260	777	1120	194	174	9950	526	523	235	165	292	987
PCB177	pg/g	1390	1180	3020	5130	861	784	39000	2140	2230	1070	733	1250	4410
PCB178	pg/g	566	523	1540	1920	393	350	17300	989	961	512	323	553	1910
PCB179	pg/g	1060	969	2710	3730	723	638	37300	1930	1840	909	620	1080	3900
PCB180 & 193	pg/g	1550	1110	2740	7970	841	886	50700	2830	2480	1040	884	1990	4510
PCB181	pg/g	12.1	16	58.6	38.1	17.6	15.4	430	162	164	9.04	8.51	14.3	39.8
PCB182	pg/g	20.5	2.5 U	38.5	44.6	2.52 U	12	3.26 U	29.5	2.57 U	2.55 U	7.04	12.8	46.6
PCB183 & 185	pg/g	1420	1310	3320	5930	959	894	47000	2610	2490	1190	817	1480	4530
PCB184	pg/g	2.74	3.33	7.28	5.72	2.81	2.41	53.2	22.2	5.58	2.88	1.9	2.58	6.97
PCB186	pg/g	0.646 U	0.632 U	2.33	0.679 J	0.594	0.537 J	24.3	8.31 J	5.78	0.644 U	0.686 U	0.388 J	0.828
PCB187	pg/g	6520	6500	15600	23900	5110	4620	225000	12900	11900	6780	4590	8250	26000
PCB188	pg/g	11.6	10.2	26.5	26.4	7.24	6.51	366	12.9	21.1	11.6	5.68	8.88	46.6
PCB189	pg/g	52.1	60.1	110	281	32.6	36.3	2440	98.7	84.3	51.7	30.5	59.2	196
PCB190	pg/g	338	390	805	1720	297	248	15500	647	662	333	201	392	1230
PCB191	pg/g	47.9	42.5	92.5	238	29.8	30.6	1950	94.6	87.8	36.7	27.6	55.2	156
PCB192	pg/g	1.5 U	1.47 U	1.49 U	1.87 U	1.48 U	1.51 U	2.97 U	20.5 U	1.51 U	1.5 U	1.6 U	1.47 U	1.48 U
PCB194	pg/g	353	377	916	1860	207	229	14200	666	628	387	205	473	1010
PCB195	pg/g	197	268	568	973	145	155	9920	407	432	252	125	247	641
PCB196	pg/g	190	193	420	861	124	129	6850	353	338	189	112	243	514
PCB197 & 200	pg/g	141	142	326	472	96.4	93.2	4680	239	223	153	76.2	144	372

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT010	BT011	BT012	BT013	BT014	BT015	BT016	BT017	BT018	BT019	BT020	BT021	BT022
	X_Easting	7619835.939	7618204.816	7618715.587	7622607.964	7622654.647	7624612.071	7627055.321	7626532.99	7627671.774	7629737.534	7628494.987	7629274.043	7632897.164
	Y_Northing	712558.322	712471.093	711494.05	708165.492	706669.955	705407.534	705663.129	703914.803	702834.705	703016.611	701060.171	700117.245	701768.325
	Sample ID	LW2-BTLW010	LW2-BTLW011	LW2-BTLW012	LW2-BTLW013	LW2-BTLW014	LW2-BTLW015	LW2-BTLW016	LW2-BTLW017	LW2-BTLW018	LW2-BTLW019	LW2-BTLW020	LW2-BTLW021	LW2-BTLW022
	Sample Date	03/03/2006	03/01/2006	03/06/2006	01/18/2006	03/07/2006	03/07/2006	03/07/2006	01/17/2006	03/06/2006	03/09/2006	01/11/2006	01/17/2006	01/13/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit													
PCB198 & 199	pg/g	947	1150	2910	3770	792	700	32300	1900	1700	1210	641	1240	2840
PCB201	pg/g	116	128	332	384	78.5	81	3770	202	180	137	63.7	120	322
PCB202	pg/g	200	249	747	663	159	155	4540	339	364	259	128	237	591
PCB203	pg/g	500	649	1380	2010	461	398	17800	977	839	673	312	608	1450
PCB204	pg/g	0.493 J	0.701 U	2.15	1.27	0.658	0.6	6.97	8.62 J	4	0.578 U	0.425 U	0.559 J	0.807
PCB205	pg/g	34.5	41.1	77.5	154	22.2	25.2	1500	73.5	59.1	41.5	18.7	39.6	102
PCB206	pg/g	214 J	269 J	1100 J	1030 J	155	138	2650 J	433 J	429	231 J	126	287 J	462 J
PCB207	pg/g	57.1 J	76.8 J	110 J	99.4 J	22	22.4	419 J	53.3 J	49.8	35.1 J	17.8	37.1 J	65.2 J
PCB208	pg/g	108	121	625	467	90.8	68.7	617	142 J	170	97	64.6	120	186
PCB209	pg/g	124	153	730	346	111	88.7	133	251	263	94.4	75.1	161	156
Polychlorinated biphenyls	pg/g	112000	108000	331000	282000	76800	73800	3910000	1890000	208000	82100	91400	166000	449000
Monochlorobiphenyl homologs	pg/g	13.8	38.3	30	15.1	11.3	10.9	193	1610	27.2	20		15.4	57.5
Dichlorobiphenyl homologs	pg/g	603	826	1160	710	507	464	33500	26300	976	453	747 J	866	703
Trichlorobiphenyl homologs	pg/g	5150	4810	18300	3580	2930	2930	188000	274000	10900	2430	6430 J	12600	5670
Tetrachlorobiphenyl homologs	pg/g	18700	18200	71700	16800	13100	11800	695000	1000000	44300	9680	21500	42800	51000
Pentachlorobiphenyl homologs	pg/g	28200	27900	93300	48800	21000	19600	669000	449000	51800	19000	24100	42600	149000
Hexachlorobiphenyl homologs	pg/g	39300	36700	96900	129000	24700	25800	1640000	95300	63900	31500	26100	44000	174000
Heptachlorobiphenyl homologs	pg/g	17000	15800	39000	70000	12000	10900	591000	31900	29900	15300	10600	19600	60800
Octachlorobiphenyl homologs	pg/g	2680	3200	7670	11200	2080	1960	95500	5170	4770	3300	1680	3350	7840
Nonachlorobiphenyl homologs	pg/g	380	467	1830	1590	268	229	3680	628	649	364	209	445	713

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-BTLW023	LW2-BTLW024	LW2-BTLW025	LW2-BTLW026	LW2-BTLW027-1	LW2-BTLW027-2	LW2-BTLW028	LW2-BTLW029	LW2-BTLW030	LW2-BTLW031	LW2-BTLW032	LW2-BTLW033
	Sample Date	03/09/2006	01/16/2006	01/16/2006	01/17/2006	01/11/2006	01/12/2006	01/12/2006	01/16/2006	01/13/2006	01/13/2006	01/12/2006	03/07/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit												
Total solids	percent	17.9	15.2	16	15.8	15.3	15.1	15.3	15.2	17.1	14.8	14.7	14.9
Lipids	percent	3.46	2.54	2.49	2.95	2.84	1.35	2.45	2.34	1.79	2.09	2.92	2.05
Aluminum	mg/kg	106	286	470	210	389	391	231	307	364	313	114	496
Antimony	mg/kg	0.006 UJ	0.004 J	0.002 J	0.007 J	0.002 J	0.002 UJ	0.014 J	0.003 J	0.005 UJ	0.002 J	0.006 J	0.001 UJ
Arsenic	mg/kg	0.659	1.02	1.23	0.893	1.2	1.39	1.59	0.77	0.842	1.35	0.969	1.81
Cadmium	mg/kg	0.0804 J	0.0575	0.0472	0.0812	0.0404	0.0405	0.0488	0.0437	0.0538	0.0386	0.0364	0.0502 J
Chromium	mg/kg	0.14	0.63	0.89	0.47	0.78	0.57	0.59	0.7	0.45	0.69	0.37	0.61
Copper	mg/kg	20.2	2.16	2.44	3.27	2.06	2.66	2.17	2.52	2.43	1.91	1.94	1.89
Lead	mg/kg	0.283	0.487	0.417	0.44	0.21	0.373	0.845	0.332	0.284	0.179	0.279	0.31
Mercury	mg/kg	0.0041	0.003 J	0.006 J	0.004 J	0.007 J		0.01 J	0.004 J	0.006	0.005 J	0.004 J	0.0091
Nickel	mg/kg	0.203	0.41	0.535	0.328	0.479	0.404	0.323	0.473	0.346	0.436	0.244	0.507
Selenium	mg/kg	0.26	0.11	0.09	0.09	0.11	0.21 J	0.11	0.09	0.19 J	0.11	0.08	0.26
Silver	mg/kg	0.006	0.006	0.0073	0.0087	0.0064	0.0054	0.0133	0.0105	0.0065	0.0051	0.0041	0.0074
Zinc	mg/kg	29.4	27.3	26.6	29.8	24.3	23.5	26.3	25	26.7	24	31.1	23.1
Butyltin ion	µg/kg	3600	21	13	240 J	61 J	44	6.4 J	61	3.8	10 J	19 J	5.4
Dibutyltin ion	µg/kg	820	3.7	2.3	26	14	12	1.2	13	0.62 J	1.8	3.4	1.2 U
Tributylnn ion	µg/kg	1700	2 U	1.5 U	22	7.3	5.7	1.8 U	9.3	0.74 U	1.5 U	2.5 U	0.98 U
Tetrabutyltin	µg/kg	3.4 U	1 U	0.31 J	2.6	2.4 NJ	0.87 U	1.5 U	0.4 NJ	2.8 U	4.2	3.1 J	0.16 U
2-Methylnaphthalene	µg/kg	1.5	0.15 U	1.2	1.6	0.15 U	1.7 J	7.1	0.15 U	6.6	1.3	6.9	0.66 J
Acenaphthene	µg/kg	33	0.091 U	12	5.5	3.1	3.5	30	4.1	35	2.8	3.1	1.7
Acenaphthylene	µg/kg	8.2	5.4	2.3	6	2.8	4.2	0.092 U	6.4	4.1	1.5	1.7	0.56
Anthracene	µg/kg	32	6.3	6.5	7.8	3.7	2.9	37	3.4	17	1.3	5.5	2.3
Fluorene	µg/kg	34	2.4	5.9	5.7	4	3.2	57	2.9	38	1.3	7	2.5
Naphthalene	µg/kg	1.6 U	1.1 U	1.7 U	1.5 U	1.4 U	1.1 U	4	1.9 U	7.6	1.1 U	2 U	0.88 U
Phenanthrene	µg/kg	240	18	43	25	14	9.7	220	5.7	160	4.1	31	10
Low Molecular Weight PAH	µg/kg												
Dibenzo(a,h)anthracene	µg/kg	5.7	5.5	1	0.11 U	0.11 U	0.22 U	1.1	0.11 U	4.1	0.11 U	0.11 U	0.11 U
Benzo(a)anthracene	µg/kg	170	71	19	33	11	11	52	14	49	5.9	16	9.7
Benzo(a)pyrene	µg/kg	43	34	4.9	9.7	3.5	3.5	13	6.2	17	2.2	4.4	3.7
Benzo(b)fluoranthene	µg/kg	140	99	15	38	12	11	35	28	41	7.7	19	11
Benzo(g,h,i)perylene	µg/kg	25	19	4.4	8.8	4.4	4.2	8.7	8.4	17	4	6.5	4.4
Benzo(k)fluoranthene	µg/kg	88	39	8.7	19	7.3	6.7	22	13	29	3.9	8.4	6.3
Chrysene	µg/kg	320	150	42	86	26	25	110	52	87	14	54	23
Fluoranthene	µg/kg	560	280	92	120	41	37	290	46	340	15	73	37
Indeno(1,2,3-cd)pyrene	µg/kg	19	24	3.3	6.1	2.3	2.2	5.8	5.3	12	2	3.7	2.1
Pyrene	µg/kg	530	250	76	130	38	35	250	67	240	16	80	32
High Molecular Weight PAH	µg/kg												
Polycyclic Aromatic Hydrocarbons	µg/kg												
1,2,4-Trichlorobenzene	µg/kg	9.9 U	9.9 U	9.9 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	20 U	9.9 U	9.9 U	9.9 U
1,2-Dichlorobenzene	µg/kg	12 U	12 U	12 U	12 U	12 U	24 UJ	12 U	12 U	24 UJ	12 U	12 U	12 U
1,3-Dichlorobenzene	µg/kg	11 U	11 U	11 U	11 U	11 U	22 UJ	11 U	11 U	22 UJ	11 U	11 U	11 U
1,4-Dichlorobenzene	µg/kg	11 U	11 U	11 U	11 U	11 U	22 UJ	11 U	11 U	22 UJ	11 U	11 U	11 U
Benzyl alcohol	µg/kg	280	1600	2200	2500	3200	4200 J	4600	2400	2700 J	2400	2500	1100
Dibenzofuran	µg/kg	1.9	1	0.071 U	1.6	1.8	0.91 J	16	1.4	11	0.42 J	1.5	0.89
Hexachlorobenzene	µg/kg	0.366	0.483	0.341	0.414	0.985	0.749	1.04	0.39	0.452	0.798	0.757	1.11
Hexachlorobutadiene	µg/kg	8.5 U	0.00361 UJ	0.0029 UJ	0.0163 UJ	8.5 U	17 U	0.0259 J	0.00407 UJ	17 U	8.5 U	0.012 UJ	0.00117 J
Hexachloroethane	µg/kg	8.5 U	8.5 U	8.5 U	8.5 U	8.5 U	17 U	8.5 U	8.5 U	17 U	8.5 U	8.5 U	8.5 U
N-Nitrosodiphenylamine	µg/kg	30 J	9.5 U	9.5 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	19 U	9.5 U	9.5 U	9.5 U
Dimethyl phthalate	µg/kg	5.1 U	5.1 U	5.1 U	5.1 U	5.1 U	11 U	5.1 U	5.1 U	11 U	5.1 U	5.1 U	5.1 U
Diethyl phthalate	µg/kg	9.4 U	14 U	14 U	14 U	14 U	28 U	18 U	13 U	26 U	15 U	11 U	9.4 U
Dibutyl phthalate	µg/kg	16 U	230 U	280 U	240 U	280 U	110	320 U	250 U	92	270 U	350 U	46
Butylbenzyl phthalate	µg/kg	14 U	14 U	14 U	14 U	14 U	28 U	14 U	14 U	28 U	14 U	14 U	14 U
Di-n-octyl phthalate	µg/kg	13 U	13 U	13 U	13 U	13 U	26 U	13 U	13 U	26 U	13 U	13 U	13 U
Bis(2-ethylhexyl) phthalate	µg/kg	220 J	53 U	53 U	69 J	53 U	110 U	100 J	53 U	110 U	53 U	53 U	120 J

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-BTLW023	LW2-BTLW024	LW2-BTLW025	LW2-BTLW026	LW2-BTLW027-1	LW2-BTLW027-2	LW2-BTLW028	LW2-BTLW029	LW2-BTLW030	LW2-BTLW031	LW2-BTLW032	LW2-BTLW033
	Sample Date	03/09/2006	01/16/2006	01/16/2006	01/17/2006	01/11/2006	01/12/2006	01/12/2006	01/16/2006	01/13/2006	01/13/2006	01/12/2006	03/07/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit												
2,4-Dimethylphenol	µg/kg	13 U	13 U	13 U	13 U	13 U	26 U	13 U	13 U	26 U	13 U	13 U	13 U
2-Methylphenol	µg/kg	190	170	130	130	140	110 U	69 J	120	160	150	160	54 J
4-Methylphenol	µg/kg	69 J	110	120	110	290	130 J	170	140	140 J	140	290	54 J
Pentachlorophenol	µg/kg	31 U	R	R	R	R	R	R	R	R	R	R	31 U
Phenol	µg/kg	21 J	27 J	17 U	17 U	32 J	34 U	17 U	17 U	34 U	17 U	41 J	19 J
2,4'-DDD	µg/kg	2.66	2.82	2.99	1.53	1.31	1.26	17.8	1.18	1.97	0.709	1.78	0.7
2,4'-DDE	µg/kg	0.669	0.845	1.06	0.38	0.264	0.226 J	8.15	0.31	0.423	0.202 J	0.278	0.136 J
2,4'-DDT	µg/kg	0.0707 U	0.0212 U	0.021 U	0.0372 J	0.0232 J	0.0342 J	0.0199 U	0.0213 U	0.418	0.0234 J	0.0528 J	0.0212 U
4,4'-DDD	µg/kg	11.6	18.8	20	9.14	7.5	6.53	113	8.07	10.8	5.27	10.3	4.08
4,4'-DDE	µg/kg	28	30.9	38.9	11.8	13.9	11.5	145	10.8	15.1	13.9	11.3	9.52
4,4'-DDT	µg/kg	0.109 U	0.258	0.144 J	0.234 J	0.126 J	0.119 J	0.0873 J	0.056 J	1.21	0.109 J	0.178 J	0.0456 J
Total of 4,4'-DDD, -DDE, -DDT	µg/kg												
Aldrin	µg/kg	0.659	0.54	0.889	0.332 J	0.448 J	0.38 J	37	0.463	0.378 J	0.424 J	0.51	0.407 J
alpha-Hexachlorocyclohexane	µg/kg	0.0633 U	0.0151 J	0.0129 U	0.0102 U	0.00714 U	0.00769 J	0.0149 J	0.0136 J	0.013 J	0.00784 J	0.0133 J	0.00569 U
beta-Hexachlorocyclohexane	µg/kg	0.0772 U	0.0415 U	0.31 U	0.0417 U	0.00389 J	0.00359 U	0.293 UJ	0.0417 U	0.0436 U	0.0088 J	0.00732 J	0.0416 U
delta-Hexachlorocyclohexane	µg/kg	0.00154 U	0.0181 U	0.018 U	0.0182 U	0.0181 U	0.0193 U	0.017 U	0.0182 U	0.0195 U	0.0184 U	0.0183 U	0.0017 U
gamma-Hexachlorocyclohexane	µg/kg	0.0497 U	0.0183 J	0.0189 J	0.0103 U	0.00879 U	0.00666 J	0.215 U	0.0146 J	0.0398 U	0.00803 J	0.0104 J	0.0305 U
cis-Chlordane	µg/kg	2.14	2.32	3.89	1.22	1.09	0.947	28.6	2.47	1.7	1.11	3.86	1.15
trans-Chlordane	µg/kg	1.65	1.75	3.02	0.926	0.775	0.646	30.5	1.83	1.22	0.733	3.12	0.785
Oxychlordane	µg/kg	0.0439 U	0.0321 J	0.0197 U	0.03 U	0.0357 J	0.0309 J	0.0964 U	0.0264 J	0.0569 J	0.0299 J	0.0922 J	0.0197 J
cis-Nonachlor	µg/kg	0.77	0.639	0.956	0.396 J	0.343 J	0.288 J	2.98	0.609	0.54	0.317 J	0.866	0.302 J
trans-Nonachlor	µg/kg	1.36	1.05	1.83	0.748	0.656	0.517	9.8	1.41	1.21	0.656	2.3	0.68
Total Chlordanes	µg/kg												
Dieldrin	µg/kg	0.321	0.374	0.397	0.238	0.27	0.216	26.7	0.335	0.724	0.302	0.99	0.208
alpha-Endosulfan	µg/kg	0.024 U	0.0471 U	0.0296 U	0.0384 U	0.0219 J	0.0267 J	0.0557 J	0.0373 J	0.108 J	0.0327 J	0.181 J	0.03 U
beta-Endosulfan	µg/kg	0.0423 U	0.117 J	0.0708 U	0.103 J	0.113 J	0.0753 U	0.202	0.0516 U	0.18 J	0.127 U	0.492	0.076 J
Endosulfan sulfate	µg/kg	0.272	0.302	0.381	0.354	0.42	0.343	0.491	0.247	0.626	0.453	0.743	0.416
Endrin	µg/kg	0.0256 U	0.00371 U	0.00477 U	0.00471 J	0.00457 U	0.0269 U	0.157 J	0.00262 J	0.00968 J	0.0257 U	0.00947 U	0.0254 U
Endrin aldehyde	µg/kg	0.0192 U	0.0018 U	0.0189 U	0.0191 U	0.019 U	0.0202 U	0.01 U	0.0191 U	0.0204 U	0.000692 U	0.0191 U	0.0191 U
Endrin ketone	µg/kg	0.04 U	0.0395 U	0.0393 U	0.0397 U	0.0396 U	0.0421 U	0.0171 J	0.0397 U	0.00267 J	0.0402 U	0.0399 U	0.00146 U
Heptachlor	µg/kg	0.0221 U	0.0108 J	0.00619 U	0.00498 U	0.00507 J	0.00589 J	0.00684 U	0.00453 U	0.0121 J	0.00447 U	0.00865 U	0.0222 U
Heptachlor epoxide	µg/kg	0.0159 J	0.0174 J	0.0171 J	0.0136 J	0.0131 J	0.00928 U	0.0238 J	0.0127 J	0.0414 J	0.0164 J	0.0711 J	0.0106 J
Methoxychlor	µg/kg	0.072 U	0.0335 U	0.0371 U	0.0522 U	0.0236 U	0.0202 U	0.0878 U	0.0478 U	0.036 U	0.0193 U	0.0791 U	0.019 U
Chlordane (cis & trans)	µg/kg												
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.694	0.419 U	0.488	0.839	0.744 U	0.286 U	6.63	0.337 U	0.369	0.335 U	0.721	0.278
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	1.31	0.726 J	0.562 J	1.15	0.6 J	0.441 J	1.24	0.764 U	0.449 J	0.461 J	1.45	0.591 J
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.561 J	0.302 U	0.292 J	0.277 J	0.238 U	0.201 J	0.555 J	0.325 U	0.198 J	0.235 J	0.576 J	0.31 J
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	3.73	1.91	1.8	1.85	1.24	1.07 J	4.72	1.66	1.18 J	1.34	2.48	1.28
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	1.07 J	0.528 J	0.514 J	0.499 J	0.389 J	0.311 J	1.31	0.534 J	0.379 J	0.455 J	1.06 J	0.481 J
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	9.32	6.27	6.97	9.69	4.45	3.37	26.1	6.93	4.44	3.95	8.8	5.53
2,3,7,8-Tetrachlorodibenzofuran	pg/g	5.2	2.61	1.27	2.48	0.966	0.652	2.51	1.38	0.639	0.894	1.48	0.421
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.691 J	0.986 J	0.406 J	0.528 J	0.268 J	0.213 J	0.763 J	0.434 J	0.282 J	0.227 J	0.459 J	0.246 J
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	1.08 J	1.2	0.64 J	1.42	0.508 J	0.374 J	1.6	0.917 J	0.443 J	0.361 U	1.1 J	0.432 J
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.899 J	0.707 J	0.416 J	1.1 J	0.333 J	0.257 J	0.829 J	0.751 J	0.285 J	0.266 J	0.663 J	0.278 J
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.465 U	0.57 J	0.437 J	0.399 J	0.196 U	0.166 J	0.523 J	0.324 J	0.362 J	0.192 J	0.448 J	0.207 J
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.134 U	0.133 U	0.076 J	0.132 U	0.054 U	0.141 U	0.086 U	0.133 U	0.142 U	0.135 U	0.052 U	0.064 U
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.407 U	0.363 U	0.205 J	0.287 J	0.237 U	0.133 U	0.388 J	0.478 J	0.169 U	0.142 J	0.411 J	0.168 U
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	2.49	1.63	1.69	3.15	1.12 J	0.801 J	5.22	1.71	1.25	0.927 J	2.32	1.38
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.109 U	0.085 J	0.149 J	0.228 U	0.078 U	0.057 U	0.284 J	0.108 U	0.08 J	0.062 J	0.197 J	0.118 U
Tetrachlorodibenzo-p-dioxin homologs	pg/g	10.6	6.29	5.71	8.02	12.2	8.97	14.7	5.65	5.58	8.14	6.77	7.47
Pentachlorodibenzo-p-dioxin homologs	pg/g	6.33	3.08	2.63	2.43	2.69	2.13	5.8	1.37	2.09	1.48	4.54	1.81
Hexachlorodibenzo-p-dioxin homologs	pg/g	12.9	8.32	6.48	6.61	4.67	3.67	15.1	6.74	4.54	4.2	10.3	4.44
Heptachlorodibenzo-p-dioxin homologs	pg/g	16.1	15.7	14.9	18.9	9.26	6.25	47	17.8	9.38	7.12	15.4	10.5
Octachlorodibenzo-p-dioxin	pg/g	21.2	26.1	36.9	43.7	16.5	10.7	199	30.4	19.7	13	32.8	25.7

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT023	BT024	BT025	BT026	BT027I	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-BTLW023	LW2-BTLW024	LW2-BTLW025	LW2-BTLW026	LW2-BTLW027-1	LW2-BTLW027-2	LW2-BTLW028	LW2-BTLW029	LW2-BTLW030	LW2-BTLW031	LW2-BTLW032	LW2-BTLW033
	Sample Date	03/09/2006	01/16/2006	01/16/2006	01/17/2006	01/11/2006	01/12/2006	01/12/2006	01/16/2006	01/13/2006	01/13/2006	01/12/2006	03/07/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit												
Tetrachlorodibenzofuran homologs	pg/g	22.8	19.7	8.61	21.2	11.8	8.27	19.7	12.2	7.58	6.13	14.7	4.82
Pentachlorodibenzofuran homologs	pg/g	16.9	10.7	7.69	11.7	7.73	6.01	14.7	10.8	7.02	3.68	15.4	4.52
Hexachlorodibenzofuran homologs	pg/g	13.5	6.68	5.63	11.5	4.59	3.6	13	7.96	4.61	3.11	10.3	3.72
Heptachlorodibenzofuran homologs	pg/g	9.16	5.16	5.38	13.3	2.45	2.46	21.4	6.15	3.85	2.94	8.16	4.21
Octachlorodibenzofuran	pg/g	2.16 J	1.82 J	2.41	8.1	1.77 J	0.97 J	22	2.4	1.27 J	1.21 J	3.8	2.5
Aroclor 1016	pg/g	1.29 U	0.459 U	0.408 U	6.29 U	2.52 U	2.7 U	87.3 U	0.47 U	2.98 U	0.532 U	20.2 U	1.03 U
Aroclor 1221	pg/g	0.284 U	0.205 U	0.16 U	3.26 U	1.31 U	1.4 U	11.8 U	0.244 U	1.55 U	0.187 U	5.52 U	0.534 U
Aroclor 1232	pg/g	0.619 U	0.28 U	0.39 U	2.62 U	1.75 U	0.704 U	24.9 U	0.388 U	0.525 U	0.227 U	3.53 U	0.238 U
Aroclor 1242	pg/g	19200 NJ	22700 NJ	12300 NJ	10100 NJ	3770 NJ	2800 NJ	1880000 NJ	2870 NJ	5080 NJ	3180 NJ	155000 NJ	7380 NJ
Aroclor 1248	pg/g	226 U	93.7 U	65.3 U	30.8 U	15.4 U	6.4 U	1070 U	9.35 U	13.7 U	5.41 U	45.9 U	4.28 U
Aroclor 1254	pg/g	348000 NJ	315000 NJ	69200 NJ	265000 NJ	44500 NJ	34300 NJ	1220000 NJ	55400 NJ	67700 NJ	24900 NJ	239000 NJ	24100 NJ
Aroclor 1260	pg/g	27100 NJ	54700 NJ	32500 NJ	138000 NJ	20600 NJ	22300 NJ	128000 NJ	44100 NJ	37400 NJ	12500 NJ	536000 NJ	16700 NJ
Aroclors	pg/g												
PCB001	pg/g	45.8	10.4	8.83	102	9.89		1520	7.31		7.45	369	11.6
PCB002	pg/g	53.5	9.14	8.93	23	14.2		156	11.8		9.41	28.1	7.04
PCB003	pg/g	40.7	6.2 U	5.63 U	44.8	6.57		639 U	5.44 U		4.96 U	222	4.48
PCB004	pg/g	212	158	106	308 J	544	255 J	20100	75.9		123	9210	413
PCB005	pg/g	11.8	5.19	3.13	9.01 J	2.04 J	1.17 J	863	2.1	2.03 J	2.17	67.9	1.5
PCB006	pg/g	130	78.1	45.6	64.1 J	25	17.9 J	9870	20.8	38.2 J	22.4	3670	48.7
PCB007	pg/g	26.4	16.6	8.78	19.2 J	7.06	3.87 J	1950	5.28	4.08 J	5.75	178	8.73
PCB008	pg/g	449	334	203	257 J	112	77.8 J	55600	95.3	173 J	108	7440	269
PCB009	pg/g	36.6	19.8	11.4	22 J	7.9	4.52 J	3410	5.81	7.25 J	6.63	399	9.26
PCB010	pg/g	13.1	6.64	4.26	9.33 J	8.23	4.61 J	716	3.5	4.71 J	4.89	218	11
PCB011	pg/g	235	160	147	169	223	185 J	359	113	272 J	142	522	159
PCB012 & 013	pg/g	62.6	23.3	14.3	42.2	11.4	10.9 J	2220	9.26	16.9 J	8.62	569	20.7
PCB014	pg/g	3.68	0.813	0.686	5.15 U	5.91 U	1.09 UJ	10.5 J	0.457 J	1.21 UJ	0.417 J	10.3 U	0.745 U
PCB015	pg/g	222	171	100	143	56.5	41 J	20100	53.5	107	46.1	4270	106
PCB016	pg/g	352	573	287	126	76.7	51.1 J	51800	63.3	148 J	64.9	4100	153
PCB017	pg/g	675	915	470	971	417	278 J	65800	139	280 J	180	9600	494
PCB018 & 030	pg/g	1040	1460	775	394	229	143 J	164000	171	303 J	179	13600	401
PCB019	pg/g	329	240	134	950	724	526 J	14700	184		271	8540	674
PCB020 & 028	pg/g	2850	3410	1790	1840	534	409 J	211000	432	706 J	456	15600	1040
PCB021 & 033	pg/g	1240	1300	680	616	193	167 J	113000	154	335 J	164	6450	374
PCB022	pg/g	621	885	483	247	126	105 J	74500	98.4	293 J	118	4560	276
PCB023	pg/g	2.82	3.42	1.56	5.4 U	6.2 U	0.826 UJ	223	0.355 J	0.77 UJ	0.413 J	15	1.02
PCB024	pg/g	14.9	26.3	10.4	6.22	3.14 J	1.93 J	1660	3.67	4.31 J	3.26	135	5.22
PCB025	pg/g	215	225	124	284	79.5	70.7 J	12900	47.5	77.1 J	46.2	2560	101
PCB026 & 029	pg/g	387	454	254	258	113	94.5 J	33700	58.3	117 J	75.9	4320	175
PCB027	pg/g	114	137	67.2	196	84.3	64.3 J	8330	46.6	109 J	43.2	1880	108
PCB031	pg/g	2070	2350	1330	863	380	303 J	196000	258	512 J	316	14900	747
PCB032	pg/g	496	687	320	846	154	118 J	41400	120	142 J	108	6700	257
PCB034	pg/g	48.8	45.5	18.9	11 U	4.57 J	3.62 J	1380	3.36	4.19 J	3.79	89.2	5.89
PCB035	pg/g	41.6	25.6	16	17.1	10.1	8.75 J	1620	7.62	9.66 J	6.63	120	10.5
PCB036	pg/g	7.77	2.66	2.77	2.21 J	3.85 J	3.31 J	13.6 U	2.05	1.76 J	2.56	9.65 U	2.37
PCB037	pg/g	457	517	297	219	96.2	78.5	42000	108	219	77.8	2640	155
PCB038	pg/g	0.593 U	7.48	3.19	8.12	2.41 J	1.21 J	161	1.58	1.16 J	0.555 J	8.69 J	0.58 U
PCB039	pg/g	42.4	49.3	23.6	18.4	8.35	8.05 J	1600	5.63	10.9 J	4.49	72.5	6.4
PCB040 & 041 & 071	pg/g	2700	3250	1550	4070	661	557	112000	677	1110 J	429	8850	713
PCB042	pg/g	2060	1960	831	1050	251	204	55600	263	730 J	195	3260	319
PCB043	pg/g	254	263	124	135	31.8	24.4	9150	34.2	72.2 J	32.1	356	53
PCB044 & 047 & 065	pg/g	13000	8640	3300	26500	2680	2300	241000	2140	3560 J	1480	42600	2190
PCB045 & 051	pg/g	1000	1020	557	7950	837	625	38300	679	596 J	338	15200	546
PCB046	pg/g	227	271	135	310	64.8	40.9	11500	63.2	74.6 J	39.7	1070	65
PCB048	pg/g	833	1140	583	371	144	117	51100	122	325 J	122	2040	234

Table 4-7. Analytical Results for Tissue Samples.

Location Name		BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
X_Easting		7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
Y_Northing		700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
Sample ID		LW2-BTLW023	LW2-BTLW024	LW2-BTLW025	LW2-BTLW026	LW2-BTLW027-1	LW2-BTLW027-2	LW2-BTLW028	LW2-BTLW029	LW2-BTLW030	LW2-BTLW031	LW2-BTLW032	LW2-BTLW033
Sample Date		03/09/2006	01/16/2006	01/16/2006	01/17/2006	01/11/2006	01/12/2006	01/12/2006	01/16/2006	01/13/2006	01/13/2006	01/12/2006	03/07/2006
Species		lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit												
PCB049 & 069	pg/g	13200	6700	2440	11800	2090	1760	157000	1280	1900 J	970	24500	1370
PCB050 & 053	pg/g	1200	882	474	4460	975	628	31700	558	680 J	417	12900	623
PCB052	pg/g	25900	12400	3730	11400	2930	2540	266000	2020	3250 J	1570	20800	1920
PCB054	pg/g	71.4	35.1	26.6	728	192	179	427	76.6	80.4 J	86.8	1690	150
PCB055	pg/g	2.38 U	38.9	27.1	35.8	8.05	16.6	2550	7.74	28.8 J	14.8	145	19.8
PCB056	pg/g	2650	2730	1260	910	368	325	97800	381	841 J	320	3260	392
PCB057	pg/g	24.3	24.7	14	19.6	7.31	6.63	861	4.4	13.3 J	3.76	40.9	8.89
PCB058	pg/g	152	72.6	21.3	36.8	8.65	7.7	463	10	14.6 J	5.81	40.1	5.17
PCB059 & 062 & 075	pg/g	820	675	290	702	121	109	19200	137	227 J	88.4	1430	138
PCB060	pg/g	276	641	407	281	151	125	41600	121	285 J	135	1260	206
PCB061 & 070 & 074 & 076	pg/g	22200	15900	5510	7100	1920	1680	369000	1680	3740 J	1550	14800	1690
PCB063	pg/g	555	392	148	284	56.2	46.9	8570	44.5	89.3 J	42.7	368	51.3
PCB064	pg/g	3310	3510	1320	1410	411	320	119000	466	786 J	335	4130	497
PCB066	pg/g	11200	8320	3130	3750	1040	898	187000	1070	2120 J	851	8000	925
PCB067	pg/g	146	146	84.5	198	43.1	39.6	5630	33.5	70.9 J	27.4	477	41.5
PCB068	pg/g	355	188	57.2	454	61.9	67.4	558	44.1	61.4 J	24.9	338	25.2
PCB072	pg/g	646	305	86.6	271	54.1	58.6	1190	39.6	72.1 J	29.1	242	25.8
PCB073	pg/g	1.69 U	1.63 U	11.1	487	58.7	56.1	30.5 U	37.6	38.6 J	27.5	713	35.1
PCB077	pg/g	480	310	180	239	69.9	61.5	13200	112	113	59.6	642	75
PCB078	pg/g	2.48 U	2.03 U	1.19 U	8.37 U	9.61 U	1.28 U	61.7 U	1.21 U	2.6 UJ	1.22 U	16.7 U	1.21 U
PCB079	pg/g	420	318	73.8	242	43.1	43.4	1430	59.4	100 J	24.5	189	20.4
PCB080	pg/g	2.17 U	3.25	1.45	9.2	16.7 U	2.78	52.3 U	0.939	2.24 UJ	2.12 U	9.2 J	2.1 U
PCB081	pg/g	12.8	14.4	6.48	16.5 U	4.7 U	2.46	516	3.49	4.61	2.65	41 U	3.57
PCB082	pg/g	2040	2370	550	957	225	169	15600	439	432	160	1060	173
PCB083 & 099	pg/g	24800	21600	4850	21000	3430	2710	71200	4000	4810	1790	18500	1680
PCB084	pg/g	7010	5330	1130	3120	567	356	31500	927	1040	359	3330	365
PCB085 & 116 & 117	pg/g	3860	4720	1080	2700	533	390	24900	788	836	380	2490	387
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	18700	17700	3800	12100	2130	1580	81700	2930	3650	1320	11400	1330
PCB088 & 091	pg/g	4480	4900	1220	10100	1230	903	23000	1270	1050	613	12000	579
PCB089	pg/g	178	171	58.8	95.1	21.8	13	2680	35.5	36.5	15.3	132	16.6
PCB090 & 101 & 113	pg/g	42300	33800	7890	40900	5440	4460	134000	7580	8430	3270	43400	3120
PCB092	pg/g	8030	6640	1740	9870	1440	1080	21100	1750	1860	681	8890	646
PCB093 & 095 & 098 & 100 & 102	pg/g	32100	24300	5870	35000	5180	3840	144000	6530	7060	2910	49500	2870
PCB094	pg/g	165	137	59.8	1370	149	94.1	882	108	100	63.3	824	77.7
PCB096	pg/g	139	115	47.5	600	86.6	49	1190	71.7	43.1	45.7	1060	58.6
PCB103	pg/g	765	454	210	2490	412	302	952	280	231	169	2970	197
PCB104	pg/g	16.9	9.42	7.32	235	38.6	33.4	21.9	17.1	32.3	19.4	237	24.9
PCB105	pg/g	4940	6830	1430	2670	745	613	38000	1250	1270	580	3140	547
PCB106	pg/g	1.94 U	8.17 U	2.27 U	7.37 U	5.74 U	1.66 U	19 U	2.18 U	9.13 U	2.13 U	16.3 U	0.723 U
PCB107 & 124	pg/g	658	867	193	383	103	84.3	3900	179	167	73.2	467	76.8
PCB109	pg/g	2250	1940	501	1620	282	247	6570	399	405	183	1160	154
PCB110 & 115	pg/g	36800	36400	7820	25000	4300	3360	157000	7640	6890	2790	26200	2630
PCB111	pg/g	44.9	31.2	15.2	113	20.1	19.5	21.4 U	15.3	17.1	7.1	81.5	6.53
PCB112	pg/g	3.63 U	2.6 U	0.922 U	8.43 U	5.02 U	1.56 U	18.9 U	0.996 U	1.51 U	0.774 U	8.72 U	0.97 U
PCB114	pg/g	280	400	89.3	144	45.5	36.6	2940	60.9	72.2	35.2	185	35.3
PCB118	pg/g	22400	26000	5080	12500	2540	2020	93200	4230	4820	1940	11100	1630
PCB120	pg/g	262	194	69.8	469	70.2	70.3	180	72.5	71.8	26.2	373	21.3
PCB121	pg/g	16.2	9.25	8.74	138	33.7	24.8	28.3 U	12.3	18.5	12.6	184	16.1
PCB122	pg/g	203	250	60.3	99.6	27	24.8	1490	53	48.4	22.6	134	22.2
PCB123	pg/g	223	335	66.5	136	39.4 U	28.8	1750	62.3	72.3	31.2	183	31.2
PCB126	pg/g	34.1	21.3	11	35	9.86 U	7.48	144	26.4	11.3 U	5.93	64.9	5.15
PCB127	pg/g	9.87	28.1	8.37	15	3.92 J	3.84	20.5 U	8.16	10 U	2.11 U	28.1	2.1
PCB128 & 166	pg/g	3230	4380	961	3000	604	479	8290	1220	929	395	4390	344
PCB129 & 138 & 160 & 163	pg/g	24900	36300	11100	62000	9240	9530	76900	15900	16100	5320	105000	4820

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-BTLW023	LW2-BTLW024	LW2-BTLW025	LW2-BTLW026	LW2-BTLW027-1	LW2-BTLW027-2	LW2-BTLW028	LW2-BTLW029	LW2-BTLW030	LW2-BTLW031	LW2-BTLW032	LW2-BTLW033
	Sample Date	03/09/2006	01/16/2006	01/16/2006	01/17/2006	01/11/2006	01/12/2006	01/12/2006	01/16/2006	01/13/2006	01/13/2006	01/12/2006	03/07/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit												
PCB130	pg/g	1870	1980	586	2030	396	389	3570	685	681	224	3030	192
PCB131	pg/g	282	274	65.5	225	39.4	29.7	744	79.5	85.4	28	365	23.5
PCB132	pg/g	9180	9400	2600	13000	2040	1580	20800	3590	3060	1170	23400	995
PCB133	pg/g	603	615	294	1610	320	317	814	305	351	142	2000	127
PCB134 & 143	pg/g	1540	1370	381	2030	285	238	3390	497	602	171	3170	160
PCB135 & 151 & 154	pg/g	11100	14600	6440	47000	5930	279	40100	8900	608	2930	82100	3000
PCB136	pg/g	3640	3810	1310	9650	1510	1130	9830	1890	1650	758	17600	731
PCB137	pg/g	313	749	207	380	76	86.9	2030	169	178	63.9	752	47.9
PCB139 & 140	pg/g	549	574	171	881	147	145	976	182	181	67.3	865	58.2
PCB141	pg/g	986	2250	1290	4270	634	847	9060	1510	1110	481	20100	454
PCB142	pg/g	41.8 U	24.2 U	7.91 U	39.4 U	5.34 U	2.45 U	104 U	11.6 U	2.76 U	3.19 U	32.3 U	5.88 U
PCB144	pg/g	885	1180	431	2250	309	288	3750	595	628	194	5710	212
PCB145	pg/g	9.51	9.63	2.12	10.6	1.59 J	1.08	32.8	2.36	3.28	0.992	6.15 J	0.578
PCB146	pg/g	5600	6490	2640	13600	2360	2410	9760	3070	3290	1110	19700	950
PCB147 & 149	pg/g	25100	33300	12100	80700	10900	10900	80000	16500	16000	6230	150000	5270
PCB148	pg/g	122	101	64.6	570	102	93.5	91	65.9	95.2	32.9	597	34.1
PCB150	pg/g	92	88.9	53.6	780	116	99.8	87.6	78.1	61.2	43.6	992	45
PCB152	pg/g	31.1	39	14.8	295	25.1	15.8	55.4	24.9	28.7	13	263	14.3
PCB153 & 168	pg/g	21900	29300	10500	62900	9520	10600	53800	14900	24100	5590	122000	4850
PCB155	pg/g	6.39	4.51	4.56	42.4	11.8	9.75	2.37 U	4.4	9.53	5.75	56.6	6.56
PCB156 & 157	pg/g	2130	2990	700	2670	474	402	6550	975	655	328	3010	306
PCB158	pg/g	1590	2260	673	3160	496	479	5970	990	1000	323	6510	313
PCB159	pg/g	99.1	191	110	445	80.5	74.5	508	149	84.5	39.6	1580	40.6
PCB161	pg/g	29.1 U	16.2 U	5.29 U	28.5 U	5.32 U	1.75 U	73 U	7.79 U	1.97 U	2.2 U	23.3 U	4.08 U
PCB162	pg/g	69.8	97.7	24	72	20.2	16.3	119	34.5	18.1	9.99	69.4	10.9
PCB164	pg/g	1870	2400	795	3820	640	595	5370	1100	843	353	7010	340
PCB165	pg/g	34 U	19.3	17.8	167	34.8	31.2	83.9 U	19.1	24.4	15.7	179	16.1
PCB167	pg/g	699	1060	286	1140	204	184	2010	437	420	139	1960	129
PCB169	pg/g	38 U	8.51 U	5.9 U	35.8 U	10.5 U	5.96 U	29.3 U	9.1 U	6.75 U	1.58 U	102 U	4.74 U
PCB170	pg/g	2090	3980	1780	9540	1470	1350	7540	3100	1370	824	25500	1100
PCB171 & 173	pg/g	895	1240	551	3340	490	395	2470	935	825	256	8140	359
PCB172	pg/g	339	721	360	1530	289	264	1250	562	227	158	4700	222
PCB174	pg/g	2130	4220	2320	10600	1600	1560	10300	3350	1770	922	37700	1210
PCB175	pg/g	134	187	92.8	455	81.4	65	397	141	136	39.1	1280	54.4
PCB176	pg/g	557	749	363	2010	322	293	1600	534	549	172	4940	204
PCB177	pg/g	2110	3280	1590	8560	1390	1160	5530	2350	1980	735	20600	974
PCB178	pg/g	945	1290	691	3610	702	594	2350	921	1040	330	8780	423
PCB179	pg/g	1840	2680	1380	7470	1260	1070	5500	1910	1830	653	18900	781
PCB180 & 193	pg/g	1280	3550	2880	9020	1270	1790	10200	3230	3600	908	54000	1190
PCB181	pg/g	30.4	54.4	13.7	67.4	11.9	8.76	78.1	19.2	14	6.01	108	7.22
PCB182	pg/g	23.5	29.6	19.3	86.5	8.73	18.9	46.9 U	22.1	15.9	6.81	188	11.9
PCB183 & 185	pg/g	2060	3420	1830	9140	1380	1320	7980	2500	2510	765	27800	1050
PCB184	pg/g	5.1	4.5	2.89	11.7 U	3.47 U	3.06	5.78 J	3.49	3.96	2.15	19.3	2.53
PCB186	pg/g	0.699	1.28	0.432 J	4.42 U	5.08 U	0.676 U	11.9 U	0.46 U	0.683 U	0.309 J	8.81 U	0.64 U
PCB187	pg/g	7930	17400	9880	51300	7650	8010	37600	12500	9240	3980	117000	4880
PCB188	pg/g	17.2	16.9	12.6	96.1	21.8	19.9	12	15.2	15	10.1	139	11.3
PCB189	pg/g	92.7	159	68.5	350	66.4	59.4	261	111	50.6	36.7	737	32.9
PCB190	pg/g	580	950	440	2430	362	360	1850	760	597	217	6060	299
PCB191	pg/g	65.2	117	68.8	335	44.3	51.7	327	107	85.3	30	1150	40.9
PCB192	pg/g	1.52 U	1.48 U	1.47 U	10.3 U	11.8 U	1.57 U	27.6 U	1.48 U	1.59 U	1.5 U	20.5 U	1.49 U
PCB194	pg/g	333	988	599	1570	376	473	1550	760	355	273	6360	260
PCB195	pg/g	309	541	286	1100	261	245	900	420	353	162	3200	156
PCB196	pg/g	230	464	319	851	189	222	928	372	272	116	3760	149
PCB197 & 200	pg/g	197	322	181	563	143	123	531	217	152	76.8	1730	97.6

Table 4-7. Analytical Results for Tissue Samples.

	Location Name	BT023	BT024	BT025	BT026	BT0271	BT0272	BT028	BT029	BT030	BT031	BT032	BT033
	X_Easting	7632319.64	7630842.898	7632096.95	7634741.326	7634389.037	7634389.037	7633484.519	7636555.692	7635934.545	7637395.73	7637341.496	7639772.206
	Y_Northing	700694.601	699059.917	697711.407	700604.917	698178.68	698178.68	696844.983	699260.82	695386.635	696117.011	694204.094	694651.783
	Sample ID	LW2-BTLW023	LW2-BTLW024	LW2-BTLW025	LW2-BTLW026	LW2-BTLW027-1	LW2-BTLW027-2	LW2-BTLW028	LW2-BTLW029	LW2-BTLW030	LW2-BTLW031	LW2-BTLW032	LW2-BTLW033
	Sample Date	03/09/2006	01/16/2006	01/16/2006	01/17/2006	01/11/2006	01/12/2006	01/12/2006	01/16/2006	01/13/2006	01/13/2006	01/12/2006	03/07/2006
	Species	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm	lab worm
Chemical Name	Unit												
PCB198 & 199	pg/g	1250	2740	1510	4170	1040	1050	4420	1790	1000	605	13000	729
PCB201	pg/g	179	288	158	462	146	104	440	181	185	64.9	1420	82.2
PCB202	pg/g	337	548	308	754	224	194	839	358	389	138	2170	146
PCB203	pg/g	712	1370	746	2260	545	548	2190	888	804	320	6750	408
PCB204	pg/g	0.648	0.774	0.611	1.54 J	0.374 U	0.37 J	1.23 U	0.618	0.567 U	0.262 U	2.34 J	0.303 U
PCB205	pg/g	46.3	85.5	47.5	171	40.9	35.7	141	62	48.6	23.3	486	24.7
PCB206	pg/g	191	545 J	340 J	561 J	148	147	1550 J	325 J	213	98.9 J	1190 J	108
PCB207	pg/g	30.4	72.7 J	47.3 J	74.1 J	24.4	21.8	150 J	42.4 J	28.4	18.4 J	177 J	17.5
PCB208	pg/g	104	200	138	209	73.3	63.7	737	115	119	52.5	292	50.9
PCB209	pg/g	71.8	186	174	118	85.2	65.4	1390	87.7	109	60.2	67.4	59.2
Polychlorinated biphenyls	pg/g	475000	488000	161000	730000	117000	101000	4310000	168000	171000	67600	1450000	73700
Monochlorobiphenyl homologs	pg/g	140	19.5	17.8	170	30.6		1680	19.2		16.9	618	23.1
Dichlorobiphenyl homologs	pg/g	1400	972	644	1040	998	602 J	115000	385	625 J	470	26600	1050
Trichlorobiphenyl homologs	pg/g	11000	13300	7080	7860	3240	2440 J	1040000	1910	3270 J	2120	96000	4990
Tetrachlorobiphenyl homologs	pg/g	104000	70200	26400	85200	15300	12800	1840000	12200	21000 J	9220	169000	12300
Pentachlorobiphenyl homologs	pg/g	213000	196000	43900	184000	29100	22500	857000	40700	43500	17500	199000	16700
Hexachlorobiphenyl homologs	pg/g	118000	156000	53800	319000	46500	41200	345000	73800	72700	26200	583000	23500
Heptachlorobiphenyl homologs	pg/g	23100	44000	24300	120000	18400	18400	95200	33000	25900	10000	338000	12800
Octachlorobiphenyl homologs	pg/g	3590	7340	4150	11900	2960	2990	11900	5050	3560	1780	38900	2050
Nonachlorobiphenyl homologs	pg/g	325	818	525	844	246	233	2440	482	360	170	1650	176

J Estimate.
JT Combined qualifier.
N Presumptive evidence of a compound.
NJ Combined qualifier.
NJT Combined qualifier.
R Rejected.
T Value is an average or selected result (see data rules).
U Not detected at value shown.
UJ Combined qualifier.
UJT Combined qualifier.
UT Combined qualifier.

Appendix A

LWG
LOWER WILLAMETTE GROUP

PORTLAND HARBOR RI/FS

ROUND 2B BENTHIC TISSUE AND SEDIMENT DATA REPORT

APPENDIX A

BIOACCUMULATION TESTING VALIDATION REPORT

DRAFT

DO NOT QUOTE OR CITE
This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part.

September 1, 2006

Prepared for

The Lower Willamette Group

Prepared by

Integral Consulting Inc.

DMR-0601

DMR

Dinnel Marine Resources

QUALITY ASSURANCE EVALUATIONS OF BIOACCUMULATION TESTING OF PORTLAND HARBOR SEDIMENTS USING THE OLIGOCHAETE *LUMBRICULUS VARIEGATUS* AND THE FRESHWATER CLAM *CORBICULA FLUMINEA*

Draft Final Report
22 June 2006

For

Windward Environmental LLC
Seattle, Washington

Prepared By

Dinnel Marine Resources
Anacortes, WA

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Appendices:

1. Northwestern Aquatic Sciences' State of Washington Accreditation Certificate and Scope of Accreditation

2. Dinnel Marine Resources' Letter to Northwestern Aquatic Sciences Requesting Clarifications to NAS' Test Protocols and NAS' Responses

3. Results of Test-in-Progress Audits of Northwestern Aquatic Sciences' Bioaccumulation Testing

4. Comments to Northwestern Aquatic Sciences by Dinnel Marine Resources Following DMR's Review of NAS' Bioaccumulation Testing Data Reports

1.0 INTRODUCTION

Northwestern Aquatic Sciences (NAS) was the testing laboratory contracted to conduct bioaccumulation testing of sediments collected for the Portland Harbor RI/FS Round 2 Project. NAS conducted the 28-day freshwater clam (*Corbicula fluminea*) and 28-day freshwater oligochaete (*Lumbriculus variegatus*) bioaccumulation tests of the Portland Harbor sediment samples collected in late 2005. NAS is a State of Washington accredited laboratory (Lab accreditation ID number C1238, expiration: 30 September 2006) and is certified to perform both the *Corbicula* and *Lumbriculus* bioaccumulation tests of sediments. A copy of NAS' accreditation certificate and Scope of Accreditation appears in Appendix 1. There is no similar certification program in the State of Oregon.

This report summarizes the Quality Assurance/Quality Control (QA/QC) evaluations of the 28-day freshwater clam (*Corbicula fluminea*) and 28-day freshwater oligochaete (*Lumbriculus variegatus*) bioaccumulation tests conducted by NAS. Thirty five sediment samples were tested by NAS with both test organisms. Testing was conducted in two batches between December 2005 and March 2006.

The QA steps taken to ensure high quality data and maximum data completeness before, during and after this round of testing are described in this report. Major QA tasks by Dinnel Marine Resources (DMR) included the following:

- A pre-test review of NAS' bioaccumulation test protocols
- Pre-test coordination with NAS and Windward Environmental
- Two test-in-progress audits
- An initial evaluation of all data for completeness, correct data entries, and accurate transcription to electronic formats
- A final QA evaluation of overall data quality and usability (this report).

2.0 QUALITY ASSURANCE AUDIT RESULTS

2.1 REVIEW OF LABORATORY PROTOCOLS

EPA test methods (EPA 1998 and 2000), ASTM Standard Testing Guide E1688-97a (ASTM 1997) and NAS' laboratory test protocols (NAS-XXX-CF5, Rev. 4 and NAS-XXX-LV5, Rev. 2) for the *Corbicula* and *Lumbriculus* tests were reviewed in detail prior to the initiation of testing. NAS' protocols were in excellent condition, and no changes were needed other than two protocol

clarifications and the clarification of some project-specific provisions specified by Windward Environmental (2005). A letter requesting these clarifications was sent to NAS by DMR on 5 December 2005. NAS' responses to this letter were sent to DMR on 8 December 2005. Copies of both letters appear in Appendix 2.

2.2 TEST-IN-PROGRESS AUDITS

Two unannounced test-in-progress audits, one for each batch of testing, were conducted by Dr. Paul Dinnel on 19 December 2005 and 10 February 2006. During the first audit visit, one test (*Corbicula*) was being set up on the day of the audit visit. DMR requested that additional audit information for that one test be collected by the NAS' project lead at a later date. All EPA, ASTM and project-specific protocol provisions were being followed without any apparent deviations except that the ambient light intensities were below protocol recommendations for all of the *Corbicula* test tanks and many of the *Lumbriculus* tanks. Completed test-in-progress audit checklists for the *Corbicula* and *Lumbriculus* bioaccumulation tests appear in Appendix 3.

2.3 INITIAL DATA EVALUATIONS

All raw data forms and electronic database files were reviewed for completeness and fidelity of transcription to electronic formats. A 100% check was made of all data entered into NAS' internal electronic database. All errors, omissions, clarifications, or changes needed to NAS' draft report were documented and communicated to NAS. A copy of the initial data evaluation report to NAS appears in Appendix 4. All needed corrections to the data reports were made by NAS and subsequently verified by DMR.

EPA (1998 and 2000) and ASTM (1997) testing parameters were used for QA assessments of the sediment tests. These values are summarized in Table 1 for the *Corbiucula* and *Lumbriculus* tests.

2.4 FINAL QA EVALUATION OF OVERALL DATA QUALITY AND USABILITY

Following corrections to the data reports by NAS personnel, a 100% check was made to verify each correction. Following this, an overall evaluation of data completeness and quality was accomplished (this report). Conclusions regarding data completeness and quality for each test follow below. These conclusions are summarized in Tables 2-5.

2.4.1 Chain of Custody and Sample Holding

All chain of custody protocols were properly observed in transfers of sediment samples from Windward Environmental to NAS. The test and control sediments were stored at 4° C in a locked cold room until testing was initiated.

Table 1. EPA (1998 and 2000) and ASTM (1997) testing parameters for the *Corbicula* and *Lumbriculus* bioaccumulation tests.

Parameter	*Corbicula*	*Lumbriculus*
Temperature, °C	19 - 21	22 - 24
Dissolved oxygen, mg/liter	>2.5	>2.5
Light intensity, foot candles	50 – 100	50 – 100
Photoperiod	16L:8D	16L:8D

2.4.2 *Lumbriculus* Test No. 686-26

1. A *Lumbriculus variegatus* bioaccumulation test was conducted on 17 Portland Harbor sediment samples. A negative control sediment was run concurrently with the Portland Harbor test sediments.

2. Testing was initiated within 10 days following sediment collection, which was within the 14 day storage limit recommended for sediments by PSEP (1995) and well within the 8 week limit recommended by EPA (2000) and the PSDDA (1994) Program (although these limits were generally established for toxicity testing, not bioaccumulation testing).

3. This test was completed with two protocol deviations and one water quality deviation. The protocol deviations were: 1) the pre-test holding time for *Lumbriculus* was less than 24 hours for two of the test sediments and 2) the light intensity was less than the 50-100 foot candle range recommended by the protocol. The test animal holding time (used to cull out animals adversely affected by shipping and handling) deviation had no apparent effect on the test results since 4-day survival in the initial toxicity screening tests was ≥95% for all test sediments. The light intensity deviation also had little probable effect on the test results. Lighting is generally used to encourage test animal burial in the sediments. Audit observations of this test showed that almost all animals were buried in the sediments.

   The water quality deviation was that on day 6 the water temperature in one test aquarium was 0.1 °C higher than the protocol limit. The effect of this short term deviation is considered inconsequential to the test results.

4. A preliminary 4-day toxicity screening test was conducted on the test sediments prior to bioaccumulation testing to eliminate any sediment samples that were acutely toxic to *Lumbriculus*. Four-day survival in the negative control sediment was 100%. Survival in all

test sediments was ≥95%. A reference toxicant test using potassium chloride as the toxicant resulted in an LC50 of 0.707 g/liter KCl. This value was within NAS' control chart warning limits for this species and toxicant.

5. The maximum ammonia concentration measured in the overlying water during this test in any one sample was 3.5 mg/liter total ammonia. Neither EPA (2000) or ASTM (1997) provide any limits for ammonia. However, one study by Schubauer-Berigan et al. (1995) determined that the LC50 of total ammonia for *Lumbriculus* was 75 mg/liter at a pH of 7.2. Additionally, given that the 4-day test animal survivals in the initial toxicity screening test were all ≥95%, ammonia had no apparent effect on the test results.

6. Replication was three-fold for all samples. However, test animals from each of the three replicates were all composited into one sample for tissue analyses per the instructions of the study sponsor.

7. Data completeness for the 17 (plus 1 control) samples tested with *Lumbriculus* was >99%.

8. **Final QA determination:** All test results are of excellent quality and fully usable for any purpose.

Table 2. Summary of *Lumbriculus* Test No. 686-26.

Lumbriculus variegatus, 14 December 2005 to 18 January 2006:

Number of test samples, including control sediment: 18
Sediment holding time <8 weeks?: Yes
Protocol deviations?: Yes. A minor deviation on test animal holding time for two sediments and light intensities less than recommended by the protocol. Both deviations are considered minor and probably did not affect bioaccumulation rates of potential chemical contaminants.
Average negative control mortality in the 4-day screening test: 0%
Average mortality in the test sediments in the 4-day screening test: ≤5%
Reference toxicant LC50: 0.707 g/liter potassium chloride. This value is within NAS' control chart warning limits.
Water quality parameter deviations?: One. Temperature in one test tank on day 6 of testing was 0.1 °C higher than the protocol limit. This deviation is very minor and likely had no effect on the test results.
Ammonia concentrations < critical limits?: Probably, since 4-day survivals in the toxicity screening test were all ≥95% and ammonia concentrations were well below the published LC50 value of 75 mg/liter (pH 6.2).

QA reviewer conclusion: All data are of excellent quality and fully usable for any purpose.

2.4.3 *Lumbriculus* Test No. 686-29

1. A *Lumbriculus variegatus* bioaccumulation test was conducted on 18 Portland Harbor sediment samples. A negative control sediment was run concurrently with the Portland Harbor test sediments.

2. Testing was initiated within 52 days following sediment collection, which was beyond the 14 day storage limit recommended for sediments by PSEP (1995) but within the 8 week limit recommended by EPA (2000) and the PSDDA (1994) Program (although these limits were generally established for toxicity testing, not bioaccumulation testing).

3. This test was completed with no protocol deviations and one water quality deviation. The water quality deviation was that on day 18 the water temperature in one test aquarium was 0.1 °C higher than the protocol limit. The effect of this short term deviation is considered inconsequential to the test results.

4. A preliminary 4-day toxicity screening test was conducted on the test sediments prior to bioaccumulation testing to eliminate any sediment samples that were acutely toxic to *Lumbriculus*. Four-day survival in the negative control sediment was 100%. Survival in all test sediments was ≥95%. A reference toxicant test using potassium chloride as the toxicant resulted in an LC50 of 0.707 g/liter KCl. This value was within NAS' control chart warning limits for this species and toxicant.

5. The maximum ammonia concentration measured in the overlying water during this test in any one sample was 3.0 mg/liter total ammonia. Neither EPA (2000) or ASTM (1997) provide any limits for ammonia. However, one study by Schubauer-Berigan et al. (1995) determined that the LC50 of total ammonia for *Lumbriculus* was 75 mg/liter at a pH of 7.2. Additionally, given that the 4-day test animal survivals in the initial toxicity screening test were all ≥95%, ammonia had no apparent effect on the test results.

6. Replication was three-fold for all samples. However, test animals from each of the three replicates were all composited into one sample for tissue analyses per the instructions of the study sponsor.

7. Data completeness for the 18 (plus 1 control) samples tested with *Lumbriculus* was >99%.

8. **Final QA determination:** All test results are of excellent quality and fully usable for any purpose.

Table 3. Summary of *Lumbriculus* Test No. 686-29.

Lumbriculus variegatus, 1 February through 9 March 2006:

Number of test samples, including control sediment: 19
Sediment holding time <8 weeks?: Yes
Protocol deviations?: No.
Average negative control mortality in the 4-day screening test: 0%
Average mortality in the test sediments in the 4-day screening test: ≤5%
Reference toxicant LC50: 0.707 g/liter potassium chloride. This value is within NAS' control chart warning limits.
Water quality parameter deviations?: One. Temperature in one test tank on Day 18 of testing was 0.1 °C higher than the protocol limit. This deviation is very minor and likely had no effect on the test results.
Ammonia concentrations < critical limits?: Probably, since 4-day survivals in the screening test were all ≥95 % and ammonia concentrations were well below the published LC50 value of 75 mg/liter (pH 6.2).

QA reviewer conclusion: All data are of excellent quality and fully usable for any purpose.

2.4.4 *Corbicula* Test No. 686-27

1. A *Corbicula fluminea* bioaccumulation test was conducted on 17 Portland Harbor sediment samples. A negative control sediment was run concurrently with the Portland Harbor test sediments.

2. Testing was initiated within 16 days following sediment collection, which was slightly beyond the 14 day storage limit recommended for sediments by PSEP (1995) but within the 8 week limit recommended by EPA (2000) and the PSDDA (1994) Program (although these limits were generally established for toxicity testing, not bioaccumulation testing).

3. This test was completed with one protocol deviation and one water quality deviation. The protocol deviation was that light intensity was less than the recommended 50 to 100 foot-candles. The light intensity deviation probably had little effect on the test results. Lighting is generally used to encourage test animal burial in the sediments. Audit observations of this test showed that almost all animals were buried in the sediments.

The water quality deviation was that on days 13, 14 and 24, the water temperature in all test aquaria was as much as 1.5 °C lower than the protocol limit. The effect of these temperature deviations is considered minor, although the feeding rates of *Corbicula* could have been slightly lower than normal on those days, which might have slightly retarded the bioaccumulation of potential chemical contaminants.

5. The maximum ammonia concentration measured in the overlying water during this test in any one sample was 1.2 mg/liter total ammonia. Neither EPA (2000) or ASTM (1997) provide any limits for ammonia for *Corbicula*. However, overall 28-day survival of *Corbicula* in the test sediments was >97% for all test sediments. Thus, it is unlikely that there were any significant effects of ammonia in this test.

6. Replication was three-fold for all samples. However, test animals from each of the three replicates were all composited into one sample for tissue analyses per the instructions of the study sponsor.

7. Data completeness for the 17 (plus 1 control) samples tested with *Corbicula* was 100%.

8. **Final QA determination:** All test results are of good quality and fully usable for any purpose.

Table 4. Summary of *Corbicula* Test No. 686-27.

Corbicula fluminea, 22 December 2005 through 19 January 2006:

Number of test samples, including control sediment: 18

Sediment holding time <8 weeks?: Yes

Protocol deviations?: Yes. Light intensities were less than recommended by the protocols. This deviation was likely inconsequential because almost all clams stayed buried in the test sediments.

Average 28-day mortality in the test tanks: <3%.

Water quality parameter deviations?: One. Temperature in all test tanks on days 13, 14 and 24 were as much as 1.5 °C below the protocol limit. These deviations probably had little effect on the bioaccumulation test except that if feeding was reduced by the lower temperatures, there could have been a slight decrease in the bioaccumulation of potential chemical contaminants.

Ammonia concentrations < critical limits?: Probably, since 28-day survivals in the test sediment aquaria were all >97%.

QA reviewer conclusion: All data are of good quality and fully usable for any purpose. Bioaccumulation rates may have been very slightly slowed by lower than recommended water temperatures on days 13, 14 and 24.

2.4.5 *Corbicula* Test No. 686-30

1. A *Corbicula fluminea* bioaccumulation test was conducted on 18 Portland Harbor sediment samples. A negative control sediment was run concurrently with the Portland Harbor test sediments.

2. Testing was initiated within 44 days following sediment collection, which was beyond the 14 day storage limit recommended for sediments by PSEP (1995) but within the 8 week limit recommended by EPA (2000) and the PSDDA (1994) Program (although these limits were generally established for toxicity testing, not bioaccumulation testing).

3. This test was completed with one protocol deviation and one water quality deviation. The protocol deviation was that light intensity was less than the recommended 50 to 100 foot candles. The light intensity deviation probably had little effect on the test results. Lighting is generally used to encourage test animal burial in the sediments. Audit observations of this test showed that almost all animals were buried in the sediments.

   The water quality deviation was that on days 21, 22 and 23, the water temperature in all test aquaria was as much as 0.5 °C lower than the protocol limit. The effect of these temperature deviations is considered minor, although the feeding rates of *Corbicula* could have been slightly lower than normal on those days, which might have very slightly retarded the bioaccumulation of potential chemical contaminants.

5. The maximum ammonia concentration measured in the overlying water during this test in any one sample was 2.0 mg/liter total ammonia. Neither EPA (2000) or ASTM (1997) provide any limits for ammonia for *Corbicula*. However, overall 28-day survival of *Corbicula* in the test sediments was >98% for all test sediments. Thus, it is unlikely that there were any significant effects of ammonia in this test.

6. Replication was three-fold for all samples. However, test animals from each of the three replicates were all composited into one sample for tissue analyses per the instructions of the study sponsor.

7. Data completeness for the 18 (plus 1 control) samples tested with *Corbicula* was 100%.

8. **Final QA determination:** All test results are of excellent quality and fully usable for any purpose.

Table 5. Summary of *Corbicula* Test No. 686-30.

Corbicula fluminea, 27 January through 24 February 2006:

Number of test samples, including control sediment: 19

Sediment holding time <8 weeks?: Yes

Protocol deviations?: Yes. Light intensities were less than recommended by the protocols. This deviation was likely inconsequential because almost all clams stayed buried in the test sediments.

Average 28-day mortality in the test tanks: <2%.

Water quality parameter deviations?: One. Temperature in all test tanks on days 21, 22 and 23 were as much as 0.5 °C below the protocol limit. These deviations probably had little effect on the bioaccumulation test except that if feeding was reduced by the lower temperatures, there could have been a very slight decrease in the bioaccumulation of potential chemical contaminants.

Ammonia concentrations < critical limits?: Probably, since 28-day survivals in the test sediment aquaria were all >98%.

QA reviewer conclusion: All data are of excellent quality and fully usable for any purpose. Bioaccumulation rates may have been very slightly slowed by lower than recommended water temperatures on days 21, 22 and 23.

3.0 REFERENCES

ASTM (American Society for Testing and Materials). 1997. Determination of bioaccumulation of sediment-associated contaminants by benthic invertebrates. ASTM Standard Method No. E1688-97a. ASTM, Philadelphia, PA.

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EPA (U. S. Environmental Protection Agency). 2000. Methods for measuring the toxicity and bioaccumulation of sediment-associated contaminants with freshwater invertebrates. Second edition. EPA/600/R-99/064.

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PSEP (Puget Sound Estuary Program). 1995. Recommended guidelines for conducting laboratory bioassays on Puget Sound sediments. Final Report by PTI Environmental Services for the U. S. Environmental Protection Agency, Region 10, Seattle, WA.

Schubauer-Berigan, M.K., P.D. Monson, C.W. West and G.T. Ankley. 1995. Influence of pH on the toxicity of ammonia to *Chironomus tentans* and *Lumbriculus variegatus*. Environ. Toxicol. Chem. 14(4):713-717.

Windward Environmental. 2005. Portland Harbor RI/FS. Round 2 Quality Assurance Project Plan. Addendum 6: Sampling of benthic invertebrate tissue. Appendix A: Sediment bioaccumulation testing. QA Plan prepared for The Lower Willamette Group by Windward Environmental LLC, Seattle, WA.

Appendix 1

Northwestern Aquatic Sciences' State of Washington Accreditation Certificate and Scope of Accreditation

The State of Washington Department of Ecology

This is to certify that

Northwestern Aquatic Sciences
Newport, OR

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective October 1, 2005, and shall expire September 30, 2006.

Witnessed under my hand on October 5, 2005.

Perry F. Brake, Chemist
Lab Accreditation Section Manager

Laboratory ID
C1238

Scope of Accreditation

Northwestern Aquatic Sciences

Newport, OR

is accredited by the State of Washington Department of Ecology to perform analyses for the parameters listed below using the analytical methods indicated. This Scope of Accreditation may apply to any of the following matrix types: non-potable water, drinking water, solid and chemical materials, and air and emissions. Accreditation for all parameters is final unless indicated otherwise in a note. Accreditation is for the latest version of a method unless otherwise specified in a note. EPA refers to the U.S. Environmental Protection Agency. SM refers to American Public Health Association's publication, Standard Methods for the Examination of Water and Wastewater, 18th, 19th or 20th Edition, unless otherwise noted. ASTM stands for the American Society for Testing and Materials. PSEP stands for Puget Sound Estuary Program. Other references are detailed in the notes section.

Matrix Type/Parameter Name	Reference	Method Number	Notes
Non-potable Water			
Ampelisca abdita	EPA	100.4	4
Ampelisca abdita	PSEP	1995	
Ampelisca abdita	ASTM	E 1367	
Atherinops affinis (West Coast)	EPA	1006.0	6,8
Bioaccumulation, Bedded Sediments	EPA	600/R-93/183	7
Bioaccumulation, Benthic Invert	ASTM	E 1688	
Bioconcentration, Fish, Mollusks	ASTM	E 1022	
Ceriodaphnia dubia	EPA	1002.0	2,8
Ceriodaphnia dubia	EPA	2002.0	1,8
Chironomus tentans	EPA	100.5	5
Chironomus tentans	ASTM	E 1706	
Chironomus tentans	EPA	100.2	5
Corbicula fluminea	ASTM	E 1688	
Crassostrea gigas	PSEP	1995	
Crassostrea gigas (West Coast)	EPA	1005.0	6,8
Cyprinodon variegatus	EPA	1004.0	3,8
Cyprinodon variegatus	EPA	2004.0	1,8
Dangerous Waste Static Salmonid	WDOE	80-12 Part A	
Daphnia magna	EPA	2021.0	1,8

Matrix Type/Parameter Name	Reference	Method Number	Notes
Daphnia pulex	EPA	2021.0	1,8
Dendraster excentricus	ASTM	E 1563	
Dendraster excentricus	PSEP	1995	
Dendraster excentricus (West Coast)	EPA	1008.0	6,8
Eohaustorius estuarius	ASTM	E 1367	
Eohaustorius estuarius	PSEP	1995	
Eohaustorius estuarius	EPA	100.4	4
Holmesimysis costata	EPA	821-R-02-012	1,8
Holmesimysis costata (West Coast)	EPA	1007.0	6,8
Hyalella azteca	EPA	100.4	5
Hyalella azteca	EPA	100.1	5
Hyalella azteca	ASTM	E 1706	
Leptocheirus plumulosus	ASTM	E 1367	
Leptocheirus plumulosus	EPA	100.4	4
Lumbriculus variegatus	EPA	100.3	5
Lumbriculus variegatus	ASTM	E 1688	
Macoma spp.	ASTM	E 1688	
Menidia beryllina	EPA	1006.0	3,8
Menidia spp.	EPA	2006.0	1,8
Mysidopsis bahia	EPA	1007.0	3,8
Mysidopsis bahia	EPA	2007.0	1,8
Mytilus spp.	PSEP	1995	
Mytilus spp. (West Coast)	EPA	1005.0	6,8
Neanthes arenaceodentata	PSEP	1995	
Nereis/Neanthes spp.	ASTM	E 1688	
Oncorhynchus mykiss	EPA	2019.0	1,8
Pimephales promelas	EPA	2000.0	1,8
Pimephales promelas, Chronic	EPA	1000.0	2,8
Rhepoxynius abronius	EPA	100.4	4
Rhepoxynius abronius	PSEP	1995	

Matrix Type/Parameter Name	Reference	Method Number	Notes
Rhepoxynius abronius	ASTM	E 1367	
Salvelinus fontinalis	EPA	2019.0	1,8
Strongylocentrotus purpuratus	ASTM	E 1563	
Strongylocentrotus purpuratus (WC)	EPA	1008.0	6,8
Strongylocentrotus purpuratus (WC)	EPA	600/R-95/136	6,8
Strongylocentrotus spp.	PSEP	1995	

Accredited Parameter Note Detail

(1) USEPA. "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms." EPA-821-R-02-012. Fifth Edition. Oct 2002. (2) USEPA. "Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms." EPA-821-R-02-013. Fourth Edition. Oct 2002. (3) USEPA. "Short-term Methods for Measuring the Chronic Toxicity of Effluents and Receiving Waters to Marine and Estuarine Organisms." EPA-821-R-02-014. Fourth Edition. Oct 2002. (4) USEPA. "Methods for Assessing the Toxicity of Sediment-associated Contaminants with Estuarine and Marine Amphipods." EPA 600/R/R-94/025. June 1994. (5) USEPA. "Methods for Measuring the Toxicity and Bioaccumulation of Sediment-associated Contaminants with Freshwater Invertebrates." EPA 600/R-99/064. Second Edition. March 2000. (6) USEPA. "Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to West Coast Marine and Estuarine Organisms." EPA 600/R-95/136. Third Edition. Aug 1995. (7) USEPA. "Bedded Sediment Bioaccumulation Tests." EPA/600/R-93/183. Sept 1993. (8) Meets requirements of "Laboratory Guidance and Whole Effluent Toxicity Test Review Criteria." Washington Dept. of Ecology, Pub. No. WQ-R-80, Rev. June 2005.

10/5/2005

Authentication Signature

Perry Brake -- Section Manager, Washington State Department of Ecology -- Lab Accreditation Section

Appendix 2

Dinnel Marine Resources' Letter to Northwestern Aquatic Sciences Requesting Clarifications to NAS' Test Protocols and NAS's Responses

DMR

Dinnel Marine Resources
1519 13th St.
Anacortes, WA 98221
360-299-8468

5 December 2005

Mr. Gerald Irissarri
Port of Portland Bioassay Project Manager
Northwestern Aquatic Sciences
PO Box 1437
Newport, OR 97365

Dear Gerald:

Thank you for sending copies of NAS's *Corbicula* and *Lumbriculus* protocols to be used for Port of Portland bioaccumulation testing, and for a copy of your most recent State of Washington laboratory certification. I have finished my reviews of your two bioaccumulation protocols and have only two minor comments plus a request for additional clarification.

First, in your *Corbicula* protocol, section 1.3 and the summary table, you state that "one to five replicate aquaria" can be used for testing. This is at odds with section 7.1, which says three to five replicates.

Second, in your *Lumbriculus* protocol, section 5.3 and in the summary table, you state that the age of the test animals is variable. Both ASTM and EPA protocols call for the use of adults only. I suspect that you mean to use adults (of variable age), but this should be clarified in your protocol.

After reviewing your two protocols, which do conform very closely to the published ASTM and EPA protocols, I still find a need to learn more about your project-specific testing parameters. The ASTM and EPA protocols are written with a range of possibilities for various test parameters, but for this project it would be very helpful to know what your specific test parameters for both tests will be for the following items:

- Size of the test chambers
- Amount of sediment to be used in each test chamber
- Overlying water volume
- Source of your overlying water
- Actual overlying water renewal schedule
- Number of test organisms to be used in each test chamber (if known prior to receiving the test organisms)

- Sources of the test animals
- Duration of the depuration time for *Lumbriculus*
- Number of replicates/treatment for both tests.

The last item on the list is perhaps the most important to be decided. ASTM and EPA protocols generally recommend 4 to 5 replicates per treatment, but allow for fewer (generally no less than 3) under some project-specific circumstances. I suggest that this issue be resolved with the project sponsor before testing begins (if you've not already done so).

One thing that you might wish to consider is periodic collection of samples of overlying water for contaminant concentrations. ASTM Standard Guide E 1688, section 13.4.1.1 states: "At a minimum, overlying water should be sampled for contaminants from each treatment at the beginning, middle and end of the test period..." In my mind, it would be better to sample the overlying water *source* rather than overlying water from each treatment, since the water in the test chambers may be contaminated with toxicants in the sediments. Note that if NAS already collects routine chemical contaminant data on its overlying water source, then this may be sufficient.

Additionally, you might note that the ASTM *Lumbriculus* protocol (Table A8.2, item B3), states: "Food used to culture organisms should be analyzed before the start of a test for compounds to be evaluated in the bioaccumulation test."

As usual, I will make one or more unannounced test audit visits during your Port of Portland bioaccumulation testing.

Sincerely,

Paul A. Dinnel
Project QA/QC auditor

Northwestern Aquatic Sciences
3814 Yaquina Bay Rd., P.O. Box 1437, Newport, OR 97365
Tel: 541-265-7225, Fax: 541-265-2799, E-mail: girissarri@nwaquatic.com

December 8, 2005

Dr. Paul Dinnel
Dinnel Marine Research
1519 13th Street
Anacortes, WA 98221

Dear Paul:

This is in response to your Dec 5 comments about our *Lumbriculus* and *Corbicula* bioaccumulation protocols.

-We try to make our protocols flexible and inclusive. Section 7.1 of the *Corbicula* protocol should consistently state that 1-5 replicates can be used for testing.

-The variable age of the *Lumbriculus* does refer to adults only. *Lumbriculus varigatus* reproduces primarily by asexual fragmentation. Although they can produce young by egg laying in cocoons similarly to earthworms, apparently this has never been observed in laboratory cultures.

We have worked out the specific test parameters that will be followed for the Portland Harbor RI/FS bioaccumulation tests:

1. Size of test chambers: 10-gal aquaria for *Lumbriculus*, 5-gal for *Corbicula*
2. Amount of sediment to be used in each test chamber:
   a. 3.5 gal for *Lumbriculus*
   b. 6.3 liters for *Corbicula*
3. Overlying water volumes:
   a. 3.5 gal for *Lumbriculus*
   b. 8 liters for *Corbicula*
4. Source of overlying water: dechlorinated municipal tap water
5. Overlying water renewal schedule: 3 times weekly (M, W, F)
6. Number of test organisms to be used in test chambers: This is somewhat dependant upon the TOC of individual sediments. However we hope to add approximately 25-30 grams of wet tissue per aquaria for each species.
7. Source of animals: Virginia Polytechnic Institute and State University in Blacksburg, Virginia for *Corbicula* and Aquatic Foods, Inc., Fresno, CA for *Lumbriculus*.
8. Depuration time for *Lumbriculus*: 6-8 hours
9. Number of replicates/treatment: We will set up 3 replicates of aquaria, but the resulting tissue to be used for chemical analysis will be consolidated into one replicate.

We plan to collect samples of the dilution water periodically during the course of the bioaccumulation studies. Because 0-time animals will be collected prior to the exposure period and the animals will not be

fed during the test, we do not plan on collecting samples of food used in culturing the animals. The *Corbicula* clams are collected in a pristine location in the wild, which would make food collection difficult.

If you have any more questions, please do not hesitate to call me at 541-265-7225 or email girissarri@nwaquatic.com.

Sincerely,

Gerald Irissarri
Project Manager

Appendix 3

Results of the Test-in-Progress Audits of Northwestern Aquatic Sciences' Bioaccumulation Testing

CHECKLIST FOR THE 28-DAY *Lumbriculus variegatus* BIOACCUMULATION TEST

Project name: PORT HARBOR, BIOACCUMULATION Auditor: DINNEL

Laboratory: NORTHWESTERN AQUATIC SCIENCES Test type: BIOACCUMULATION

Test personnel: GERALD TRISSARRI, BILL MONTGOMERY, SUSAN GABE, PAULA CARLSON Test Protocol: NAS-XXX-LVS

Test initiation Date: 14 DEC '05 Number of samples: 17 + CONTROL

Protocol deviations:
NONE

Other notes:

Sediment Shipping and Holding Conditions

Samples received: 21, SO FAR # Samples tested: 17

Holding time at test initiation: < 5 DAYS (SO FAR)

Sample holding conditions: 4°, COLD ROOM IN DARK

Problems noted in shipping and holding: NONE

Testing Conditions

Protocol available? YES # Samples tested: 9, SO FAR

Multiple batches?: YES Test chamber size: 10 GAL AQUARIA

Test species: LUMBRICULUS VARIEGATUS Test animal holding time: 2 DAYS

Holding conditions: 20-23°C, 16:8 LIGHT:DARK Fed during holding? NO

Test animal selection criteria? ADULTS # of *Lumbriculus*/chamber: 33.3g WORM WET WEIGHT / AQUARIUM (+, VARIABLE # OF WORMS)

Overlying water source tested for toxicants?
TO BE DECIDED BY SPONSOR YET.

Other notes:

Privileged and confidential: Work product prepared in anticipation of possible litigation

CHECKLIST FOR THE 28-DAY *Lumbriculus variegatus* BIOACCUMULATION TEST

Quality Assurance Audit

Audit date: 19 DEC '05

Days/hours after initiation: 3-5 DAYS POST INITIATION.

Source neg. control sediment: BEAVER CREEK, OR

# of reference sediments: 0

Amount of sediment used: 3.5 GAL/AQUARIUM

Final water volume: 3.5 GAL/AQUARIUM

Freshwater source: TAP WATER, DECHLORINATED (ACTIVATED CARBON)

Freshwater treatment: AERATED BEFORE USE

Freshwater holding time: < 1 WEEK.

Number of replicates: 3, BUT BIOMASS CONSOLIDATED INTO ONE SAMPLE.

Sediment equilibration period: 24 HOURS

Test animals randomized? YES

of *Lumbriculus*/chamber: 37.3 g OF WORMS, WET WEIGHT (≈ 25 g OF WORM WEIGHT)

Feeding during test? NO

Lumbriculus buried in sediments? YES FOR ALL BUT ONE TANK (#35) - ONLY PARTIAL BURIAL & SOME MORTALITY

Water renewal schedule: M, W & F, 2/3 OF OVERLYING WATER

Test chambers aerated? YES, DUE EXPECTATIONS OF LOW DO DURING TESTING (GENTLE AERATION)

Water temperature: 22.9 - 23.7

Water hardness: 34 - 77

Water alkalinity: 30 - 70 mg/l

Water DO: 4.0 - 7.6 mg/l

Water pH: 6.6 - 7.3

(from Benchsheets)

Light intensity: 500-1000 Lux

Photoperiod: 16 : 8 LIGHT : DARK

Sulfide and Ammonia measured at T_0 and T_{end}? AMMONIA ONLY

Positive control test? YES, w/ KCl

Internal QA checks? JULIE FLORA

Test termination criteria: NA

Lumbriculus depuration time: 6-8 HOURS, WATER ONLY

Daily test records maintained? YES

Lab QA officer: JULIE FLORA

Protocol or Water Quality Deviations or Problems Noted:

ALL CHAMBERS AERATED DURING TESTING DUE TO EXPECTATION THAT DO's WILL DROP BELOW 2.5 mg/l IN AT LEAST SOME TREATMENTS.

Other Notes:

4 DAY TOXICITY TEST WILL BE RUN STARTING 12/21. DELAYED DUE TO CHANGING TEST SCHEDULE. KCl REF-TOX. TEST TO BE CONDUCTED AT SAME TIME.

QA Auditor: _____ **Date:** _____

Privileged and confidential: Work product prepared in anticipation of possible litigation

CHECKLIST FOR THE 28-DAY *Corbicula fluminea* BIOACCUMULATION TEST

Project name: P686-29

Auditor: PAUL DINNEL

Laboratory: NORTHWESTERN AQUATIC SCIENCES

Test type: BIOACCUMULATION

Test personnel: GERALD IRISSARRI, GARY BUHLER, SUSAN GAGE, BILL MONTGOMERY, GREG HUTCHINSON, PAULA CARSON.

Test Protocol: NAS-XXX-CF5 REVISION 2 (11-9-05)

Test initiation Date: 1-19-06

Number of samples: 17 TEST SEDIMENTS 1 CONTROL

Protocol deviations:

1.) TEMP OUTSIDE PROTOCOL LIMITS OF 20±1°C

2.) LIGHT INTENSITY OUTSIDE PROTOCOL LIMITS OF 50-100 FT-C

Other notes:

Sediment Shipping and Holding Conditions

Samples received: 35 TEST SEDIMENTS

Samples tested: 18 FOR THIS FIRST BATCH

Holding time at test initiation: 8-16 DAYS

Sample holding conditions: ~4°C, SEALED CONTAINERS, DARKNESS

Problems noted in shipping and holding: NONE

Testing Conditions

Protocol available? YES

Samples tested: 17 + NEGATIVE CONTROL

Multiple batches?: ~~YES~~ NO 6/12

Test chamber size: 5 GAL AQUARIA

Test species: CORBICULA FLUMINEA

Test animal holding time: 2 DAYS

Holding conditions: ~~20°~~ GRADUAL TEMP INCREASE FROM 9.0°C TO 17.4°C

Fed during holding? NO

Test animal selection criteria?

of *Corbicula*/chamber: 59

Overlying water source tested for toxicants?
DECHLORINATED, AERATED MUNICIPAL TAP WATER

Other notes:

INFORMATION COLLECTED BY: GERALD IRISSARRI

Privileged and confidential: Work product prepared in anticipation of possible litigation

CHECKLIST FOR THE 28-DAY *Corbicula fluminea* BIOACCUMULATION TEST

Quality Assurance Audit

Audit date: 1-17-06

Days/hours after initiation: 26 DAYS

Source neg. control sediment: BEAVER CREEK, OR

# of reference sediments: NONE

Amount of sediment used: 6.3 L

Final water volume: 8 L

Freshwater source: DECHLORINATED MUNICIPAL TAP WATER

Freshwater treatment: DECHLORINATED, AERATED

Freshwater holding time: 1-3 DAYS

Number of replicates: 3, CONSOLIDATED INTO ONE AT TEST TERMINATION

Sediment equilibration period: 24 HRS

Test animals randomized? YES

No of *Corbicula*/chamber: 59

Feeding during test? NO

Corbicula buried in sediments? YES

Water renewal schedule: 3X PER WEEK

Test chambers aerated? YES

Water temperature: 17.5 - 20.8

Water hardness: 34-68 mg/L

Water alkalinity: 26-70 mg/L

Water DO: 4.6 - 9.2 mg/L

Water pH: 5.9 - 7.6

Light intensity: 151 TO 581 LUX 14-54 FT-C

Photoperiod: 16:8, L:D

Sulfide and Ammonia measured at T_0 and T_{end}? OVER LYING AMMONIA ONLY, NO SULFIDES

Positive control test? NO

Internal QA checks? YES

Test termination criteria:

Corbicula depuration time: NONE

Daily test records maintained? YES

Lab QA officer: L.K. NEMETH, S. FIORE

Protocol or Water Quality Deviations or Problems Noted:

TEMP OUTSIDE PROTOCOL LIMITS OF 20±1°C

Other Notes:

INFORMATION COLLECTED BY: GERALD IRISSARRI

QA Auditor: _____ **Date:** _____

Privileged and confidential: Work product prepared in anticipation of possible litigation

CHECKLIST FOR THE 28-DAY *Lumbriculus variegatus* BIOACCUMULATION TEST

Project name: PORTLAND HARBOR, BIOACCUMULATION Auditor: PAUL DINNEL

Laboratory: NORTHWESTERN AQUATIC SCIENCES, NEWPORT, OR Test type: BIOACCUMULATION

Test personnel: GERALD IRISSARRI, GARY BUHLER, BILL MONTGOMREY, SUSAN GAGE, GREG HUTCHINSON Test Protocol: NAS-XXX-LVS REVISION 4

Test initiation Date: 2/1/06 - 2/19/06 Number of samples: 18 + 1 CONTROL

Protocol deviations:
NONE

Other notes:

Sediment Shipping and Holding Conditions

Samples received: 18 # Samples tested: 18

Holding time at test initiation: ≤ 51 DAYS

Sample holding conditions: 4°, SEALED CONTAINERS, DARK

Problems noted in shipping and holding: NONE

Testing Conditions

Protocol available? YES # Samples tested: 18 + 1 CONTROL

Multiple batches?: YES (2) Test chamber size: 10 GAL AQUARIA

Test species: LUMBRICULUS VARIEGATUS Test animal holding time: 1-10 DAYS

Holding conditions: 23°C IN AQUARIA 16:8 LIGHT:DARK CYCLE Fed during holding? NO

Test animal selection criteria? HEALTHY ADULTS # of *Lumbriculus*/chamber: 33.4 g/TANK

Overlying water source tested for toxicants?
YES

Other notes:

Privileged and confidential: Work product prepared in anticipation of possible litigation

CHECKLIST FOR THE 28-DAY *Lumbriculus variegatus* BIOACCUMULATION TEST

Quality Assurance Audit

Audit date: 10 FEB 2006

Days/hours after initiation: 1-9 DAYS

Source neg. control sediment: BEAVER CREEK, OR

# of reference sediments: NONE

Amount of sediment used: 3½ GAL/AQUARIA

Final water volume: 3½ GAL WATER VOL.

Freshwater source: DECHLOR. CITY WATER

Freshwater treatment: DECHLORINATE & AERATE

Freshwater holding time: 24-72 HRS.

Number of replicates: 3 TANKS

Sediment equilibration period: 24 HR.

Test animals randomized? YES

No of *Lumbriculus* /chamber: 33.4 g/AQUARIUM

Feeding during test? NONE

Lumbriculus buried in sediments? YES

Water renewal schedule: 3 X/WEEK

Test chambers aerated? YES

Water temperature: 22.1 - 23.6 °C

Water hardness: 34-60 mg/l

Water alkalinity: 30-70 mg/l

Water DO: 5.1 - 8.0 mg/l

Water pH: 6.3 - 7.3

Light intensity: 500-1000 LUX

Photoperiod: 16:8 LIGHT:DARK

Sulfide and Ammonia measured at T_0 and T_{end}? JUST AMMONIA

Positive control test? YES - kill 96 HR.

Internal QA checks? YES

Test termination criteria: END OF 28 DAYS WITH ≥ 30g OF TISSUE

Lumbriculus depuration time: 6-8 HOURS

Daily test records maintained? YES

Lab QA officer: JULIE FIORE

Protocol or Water Quality Deviations or Problems Noted: NONE

Other Notes:

QA Auditor: PAUL DINNEL **Date:** 2/10/06

Privileged and confidential: Work product prepared in anticipation of possible litigation

CHECKLIST FOR THE 28-DAY *Corbicula fluminea* BIOACCUMULATION TEST

Project name: PORTLAND HARBOR, BIOACCUMULATION Auditor: PAUL DINNEL

Laboratory: NORTHWESTERN AQUATIC SCIENCES, NEWPORT OREGON Test type: BIOACCUMULATION

Test personnel: GERALD IRISSARRI, GARY BUTLER, BILL MONTGOMERY, SUSAN GAGE, GREG HUTCHINSON Test Protocol: NAS-XXX-CFS REVISION 2

Test initiation Date: 27 JAN 2006 Number of samples: 18 + 1 CONTROL

Protocol deviations:
LIGHT INTENSITY A LITTLE LOW FOR SOME TREATMENTS
BUT STEPS BEING TAKEN TO INCREASE TO PROTOCOL REQUIREMENTS

Other notes: _____

Sediment Shipping and Holding Conditions

Samples received: 18 # Samples tested: 18

Holding time at test initiation: 44 DAYS

Sample holding conditions: 4°C IN SEALED CONTAINER, DARK

Problems noted in shipping and holding: NONE

Testing Conditions

Protocol available? YES # Samples tested: 18 + 1 CONTROL

Multiple batches?: YES (2) Test chamber size: 5 GAL AQUARIA

Test species: CORBICULA FLUMINEA Test animal holding time: 3 DAYS

Holding conditions: IN TRAYS, ACCLIMATED TO 20° OVER TWO DAYS Fed during holding? NO

Test animal selection criteria? ADULTS # of *Corbicula*/chamber: 25g TISSUE / CHAMBER = 61 CLAMS

Overlying water source tested for toxicants? YES

Other notes:

CHECKLIST FOR THE 28-DAY *Corbicula fluminea* BIOACCUMULATION TEST

Quality Assurance Audit

Audit date: 10 FEB 2006

Days/hours after initiation: 14 DAYS

Source neg. control sediment: BRAUER CREEK, OR

# of reference sediments: NONE

Amount of sediment used: 6.3 LITERS

Final water volume: 8 LITERS WATER

Freshwater source: CITY WATER

Freshwater treatment: DECHLOR. & AERATED

Freshwater holding time: 1-3 DAYS

Number of replicates: 3 TANKS/TREATMENT

Sediment equilibration period: 24 HR

Test animals randomized? YES

No of *Corbicula*/chamber: 61

Feeding during test? NO

Corbicula buried in sediments? MOSTLY A FEW ON TOP IN MANY TANKS

Water renewal schedule: 3X/WEEK

Test chambers aerated? YES

Water temperature: 19.5 - 20.7 °C

Water hardness: 34-68 mg/l

Water alkalinity: 20-70 mg/l

Water DO: 7.9 - 9.1 mg/l

Water pH: 6.7-7.7

Light intensity: 500-1000 LUX EXCEPT SOME TANKS INITALLY < 500 LUX

Photoperiod: 16 : 8 LIGHT : DARK

Sulfide and Ammonia measured at T_0 and T_{end}? AMMONIA ONLY

Positive control test? NONE

Internal QA checks? YES

Test termination criteria: 28 DAYS AND ≥ 30 g TISSUE

Corbicula depuration time: NONE

Daily test records maintained? YES

Lab QA officer: JULIE FIORE

Protocol or Water Quality Deviations or Problems Noted: LOW LIGHT INTENSITY AS NOTED ABOVE

Other Notes: WORKING ON INCREASING LIGHT LEVELS TO TANKS W/ < 500 LUX INTENSITY

QA Auditor: PAUL DINNEL **Date:** 2/10/06

Privileged and confidential: Work product prepared in anticipation of possible litigation

Appendix 4

Comments to Northwestern Aquatic Sciences by Dinnel Marine Resources following DMR's QA Review of NAS' Bioaccumulation Testing Data Reports

DMR

Dinnel Marine Resources
1519 13th St.
Anacortes, WA 98221
360-299-8468

22 May 2006

Mr. Gerald Irissarri
Portland Harbor Bioaccumulation Bioassay Project Manager
Northwestern Aquatic Sciences
PO Box 1437
Newport, OR 97365

Dear Gerald:

I have finished my audits of your four draft reports of sediment bioaccumulation testing of Portland Harbor test sediments. As usual, your data reports were in excellent condition and reflect your lab's high degree of attention to detail. There are only a few minor edits or corrections that you might wish to consider for the final drafts. My audit findings are noted below. Please provide me with copies of any corrections made to your draft data reports.

***Corbicula fluminea* Report No. 686-27:**

1. *Corbicula* Randomization and Tissue Results table (page 26 of 51): There is an asterisk in the column labeled "Post Exposure Wet Tissue Weight*" but no footnote. I suspect that such a footnote might read: "Estimated post exposure wet weights based on average T_0 wet weights." A statement to this effect would indicate that these were not the actual wet weights since your lab did not collect those data.
2. Water Quality Data Excel spreadsheet (page 28 of 51): Data for Beaker 36 for Day 2 appears to be missing. Since this deletion is at a page break, this may be a printing artifact.
3. Water Quality Data Excel spreadsheet (page 37 of 51): Data for Beaker 36 for Day 28 also appears to be missing. Since this deletion is also at a page break, this too may be a printing artifact.
4. Water Quality Data Excel spreadsheet (page 30 of 51): There is a double entry for Beaker 32, Day 8.
5. Water Quality Data Excel spreadsheet (page 29 of 51): The temperature for Beaker 11, Day 8 should be 20.1 instead of 20.0.

***Corbicula fluminea* Report No. 686-30:**

1. Ditto, comment number 1 above, except in this case there is no asterisk in the column heading.

Lumbriculus variegatus Report No. 686-26:

1. Water Quality Data Excel spreadsheet (page 82 of 108): Beaker 45, Day 3 temperature should be 23.2 instead of 22.2.
2. Water Quality Data Excel spreadsheet (page 86 of 108): Beaker 5, Day 13 temperature should be 22.9 instead of 22.8 (? – the value written on the raw data sheet is a bit vague).

Lumbriculus variegatus Report No. 686-29:

1. One sample number appears to be wrong. NAS sample No. 0346G is labeled as client sample LW2-GBT006-1 on page 1 of 5 of the Toxicity Test Report and as LW2-GBT006-2 on page 27 of 125 of the bench sheets (and elsewhere in the report).
2. Water Quality Data Excel spreadsheet (page 96 of 125): Beaker 38, Day 0 pH should be 6.5 instead of 6.3.

As mentioned above, all errors in your four draft reports are quite minor and should not impair the immediate use of the data.

Once again, thank you and your staff for all of your excellent work.

Sincerely,

Paul A. Dinnel
Quality Assurance Manager

CC: Helle Andersen, Windward Environmental

Appendix B

LWG
LOWER WILLAMETTE GROUP

PORTLAND HARBOR RI/FS

ROUND 2B BENTHIC TISSUE AND SEDIMENT DATA REPORT

APPENDIX B

DATA QUALITY SUMMARY

DRAFT

DO NOT QUOTE OR CITE
This document is currently under review by US EPA and its federal, state, and tribal partners, and is subject to change in whole or in part.

September 1, 2006

Prepared for

The Lower Willamette Group

Prepared by

Integral Consulting Inc.

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LIST OF ACRONYMS

CAS	Columbia Analytical Services
CLP	Contract Laboratory
DQOs	data quality objectives
EPA	U.S. Environmental Protection Agency
FSP	field sampling plan
FSR	field sampling report
GC/ECD	gas chromatography/electron capture detection
HRGC/HRMS	high resolution gas chromatography/ high resolution mass spectrometry
LCS/LCSD	laboratory control sample / laboratory control sample duplicate
MDL	method detection limit
MRL	method reporting limit
MS/MSD	matrix spike / matrix spike duplicate
OPR	ongoing precision and recovery
PAHs	polycyclic aromatic hydrocarbons
PARCC	precision, accuracy, representativeness, completeness, comparability
PCB	polychlorinated biphenyl
PCDD/Fs	polychlorinated dibenzo-p-dioxins/furans
PSEP	Puget Sound Estuary Program
QA	quality assurance
QAPP	quality assurance project plan
QC	quality control
RDL	reported detection limit
RI/FS	remedial investigation and feasibility study
RPD	relative percent difference
SOP	standard operating procedures
STL	Severn Trent Laboratories
SVOCs	semivolatile organic compounds
VOCs	volatile organic compounds

1. INTRODUCTION

This Round 2 Benthic Tissue and Sediment Data Report summarizes the results from the November through December 2005 sample collection effort designed to supplement the Round 1 benthic invertebrate tissue chemistry data set. A detailed description of the Round 2 benthic invertebrate and sediment collection effort is included in the field sampling report (FSR; Windward and Integral 2006).

Except where noted in the FSR (Windward and Integral 2006), all Round 2 benthic invertebrate collection field activities, including navigational positioning, sample collection, sample handling and processing, and data management, followed guidelines specified in the *Portland Harbor RI/FS Field Sampling Plan: Round 2 Sampling of Benthic Invertebrate Tissue* (FSP; Windward and Integral 2005), the Round 2 Quality Assurance Project Plan (QAPP; Integral and Windward 2004), the Round 2 QAPP Addendum 2: PCB Congener Analysis in Sediment Samples (Integral 2004), and the Round 2 QAPP Addendum 6: Sampling of Benthic Invertebrate Tissue (Integral and Windward2005).

Chemical analysis of sediment samples was completed by four laboratories, Columbia Analytical Services (CAS; Kelso, WA, Redding, CA, and Houston, TX) , Alta Analytical (El Dorado Hills CA), Axys Analytical Services Ltd. (Axys; Sidney, BC, Canada) and Severn Trent Laboratories (STL; Tacoma WA), in accordance with the Round 2 QAPP and the associated Addenda 2 and 6. CAS completed the analyses for conventional constituents, metals (including mercury), butyltin compounds, petroleum hydrocarbons, volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), organochlorine pesticides, polychlorinated biphenyl (PCB) Aroclors, and polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs). Alta completed PCB congener analyses, and STL performed the herbicide analyses. Axys completed the additional analyses of organochlorine pesticides as noted in Section 3.5 of the main body of this report. The laboratory methods of analysis for the sediment samples are included in Table B-1a.

Chemical analyses of all tissue samples were performed by two laboratories. CAS completed the analyses for phthalates and selected SVOCs, polycyclic aromatic hydrocarbons (PAHs), mercury, other metals, butyltin compounds, and percent moisture. Axys completed analyses of lipids, organochlorine pesticides, PCB congeners, and PCDD/Fs. The laboratory methods of analysis for the tissue samples are included in Table B-1b.All sediment and tissue samples were analyzed according to the sample preparation and analytical procedures in the Round 2 QAPP and the associated Addenda 2 and 6. Deviations from the QAPP are noted in Section 3.5 of the main body of this report.

2. DATA QUALITY AND USABILITY

Data generated in the field and at the laboratories were verified and validated according to the criteria and procedures described in the Round 2 QAPP (Integral and Windward 2004). Data quality and usability were evaluated based on the results of the data validation and the data quality objectives for the Round 2 data. The performance criteria in the Round 2 QAPP and the associated Addenda 2 and 6 included analytical goals for precision, accuracy, representativeness, completeness, and comparability (PARCC) of the Round 2 data.

The precision, accuracy, representativeness, and comparability of the data were assessed during data validation, as described in Section 2.1 below and in the Round 2 QAPP. Completeness is calculated by comparing the total number of acceptable data (nonrejected data) to the total number of data points generated. Completeness for the data is summarized by parameter group and matrix in Table B-2a for the sediment data, and in Table B-2b for the tissue data. Completeness was greater than 99% overall for all sample types, which exceeds the QAPP completeness objective of 95%.

2.1. DATA VALIDATION

Data validation was conducted as specified in the Round 2 QAPP and is summarized in Section 3.3 of the main report. The inorganic, organic, PCB congener, and PCDD/F data were validated in accordance with guidance specified by the USEPA Contract Laboratory Program (CLP) *National Functional Guidelines for Inorganic and Organic Data Review* (EPA 1994a, 1999b, 2002b), by U.S. Environmental Protection Agency (EPA) Region 10 standard operating procedures (SOPs) for validation of PCB congener data and PCDD/F data (EPA 1994b, 1995, 1996, 1999a), and by *Guidance on Environmental Data Verification and Validation* (EPA 2002a). Modifications were made to the Functional Guidelines to accommodate quality assurance/quality control (QA/QC) requirements of the non-Contract Laboratory Program methods that were used for this project.

Data validation was completed by EcoChem (Seattle, WA). Approximately 10% of the data for each laboratory method were fully validated, as described in the Round 2 QAPP. Validation for the remaining data was based on review of the summary forms for sample and QC data. The following deliverables were reviewed during Level 3 and full data validation:

- The case narrative discussing analytical problems (if any) and procedures
- Chain-of-custody documentation and laboratory sample receipt logs
- Instrument calibration results
- Method blank results

- Results for laboratory quality control samples required by the referenced method including laboratory control sample/laboratory control sample duplicate analyses, matrix spike/matrix spike duplicate analyses, surrogate recoveries, and other method specific quality control samples (e.g., serial dilutions for inductively coupled plasma analyses)
- Results for field quality control samples (i.e., equipment blanks, field duplicates, and field split samples)
- Analytical results for the tissue and sediment samples.
- Pesticide and PCB Aroclor chromatograms for all sediment and tissue samples.

For data packages subjected to full validation, in addition to review and assessment of the documentation identified above, the validation included verification of calculations of reported concentrations for the field and QC samples, verification of intermediate transcriptions, and review of instrument data such as mass spectra to verify analyte identification procedures.

Data qualifiers were assigned during data validation if applicable control limits were not met, in accordance with the EPA data validation guidelines (EPA 1994a, 1995, 1996, 1999b, 2002b) and the quality control requirements included in the referenced methods. The quality control limits for surrogate spikes, matrix spike/matrix spike duplicate samples, laboratory control samples, and ongoing precision and recovery for the Round 2 laboratories are summarized in Tables B-3a,b and B-4a,b. The data validation qualifiers and definitions are summarized in Table B-5. Data quality reports and a tabular summary of qualified data generated by EcoChem are included in Appendix C of the main body of this report.

2.2. DATA QUALITY

The EcoChem data validation reports (Appendix C of main body) provide detailed information on the data quality issues and data validation qualifiers for each parameter group for each laboratory data package. A summary of the qualified data by matrix and parameter group, with the reasons for qualification, is included in Table B-6a (sediment) and Table B-6b (tissue). The SCRA database files, Appendix D of the main body of this report (provided on CD), includes original laboratory qualifiers, final qualifiers applied after validation, and reason codes for the qualifiers. A table of definitions for the qualifier reason codes is also provided in Table B-5.

The discussion below includes a comparison of the reported detection limits to the detection limits specified in QAPP Addendum 6 (Integral and Windward 2005), followed by a summary of the qualified data for each parameter group and any limitations to the usability of the data.

2.2.1. Reported Detection Limits

Sediment and tissue data for Round 2 of the Portland Harbor remedial investigation and feasibility study (RI/FS) were reported to the method detection limit (MDL) in most cases. Sample-specific detection limits were reported for all high resolution gas chromatography/ high resolution mass spectrometry (HRGC/HRMS) analyses (PCB congeners, PCDD/Fs and pesticides), as specified in the respective method protocols (EPA methods 1668A and 1613B; EPA 1999a, 1994b). These detection limits are based on the signal-to-noise ratio of the analytical system for each analyte and sample. In several cases, the MDLs and method reporting limits (MRLs) were elevated because of matrix interference or when results were restated as undetected during data validation because of possible sample contamination, as indicated by the presence of target analytes in an associated method blank or equipment blank.

The reported detection limit (RDL) is the collective term for the detection limit or reporting limit used to quantify nondetects, as applicable to each sample and analyte. Tables B-7a and B-7b provides the lowest MDLs included in the Round 2 QAPP Addendum 6 (Integral and Windward 2005) and the minimum and maximum RDL attained by the laboratories for each analyte. Because of the limited tissue mass was available for some analyses, elevated detection limits were expected for selected parameter groups for these tissue samples. Generally, for the results that were generated using the subsample mass identified in the QAPP, the detection limits reported by the laboratories for the tissue samples were equal to or less than the detection limit goals established in the QAPP.

2.2.2. Field Quality Control Samples

Quality control samples were prepared in the field and at the laboratories to monitor the bias and precision of the sample collection and analysis procedures. For sediment samples, field replicate samples were generated by collecting an additional sediment sample at a designated station, processing this sample separately in the same manner as the original sample, and submitting the replicate as a separate sample for analysis at the laboratory. The field duplicate and replicate sample results for sediments are summarized in Table B-8a. Two sediment equipment rinsate blanks were also collected in compliance with the FSP (Windward and Integral 2005) and QAPP (Integral and Windward 2005).

For the field-collected clam samples, clams from all targeted tows were composited at the laboratory, as detailed in Table 3-2 of the FSR (Windward and Integral 2006). Split samples were subsequently created at the analytical laboratory from the homogenized composites. Replicate clam tissue samples from two stations were created in the analytical laboratory. Due to the limited tissue volumes and the elaborate compositing scheme, no true field replicates were incorporated into the sample design. The use of composite samples addresses field variability.

For each of the laboratory clams and worms, two replicate exposures were created at the bioassay laboratory. The tissues from each of the replicate exposures were

subsequently treated as field replicates for the associated chemistry analyses. The replicate results for these tissue samples are summarized in Table B-8b. For all tissue samples (field and lab), laboratory blanks were created whenever each set of tissues was composited and/or homogenized.

The comparability of the replicate results was assessed by calculating the relative percent difference (RPD) of the results. A control limit of 50 RPD is recommended by the Puget Sound Estuary Program (PSEP) and the Puget Sound Ambient Monitoring Program (PSEP 1997) for analytical precision for organic analyses. Because there is no standard control limit for comparison of field replicate results, an RPD of 50 was established as a conservative target control limit for detected results greater than 5 times the reporting limit. Greater variability is expected for results within 5-10 times the reporting limit because the background signal variations (i.e., "noise") are greater relative to the lower analyte levels. The precision of results was acceptable. None of the sediment or tissue data were qualified based on the field replicate results.

2.2.3. Laboratory Quality Control Samples

Laboratory quality control samples were prepared in accordance with the Round 2 QAPP at the laboratories to monitor the bias and precision of the sample analysis procedures. The quality control limits for surrogate spikes, matrix spike/matrix spike duplicate samples, laboratory duplicate samples, laboratory control samples, and ongoing precision and recovery for the Round 2 laboratories are summarized in Tables B-3a,b and B-4a,b. The evaluation of the laboratory quality control samples is included as part of the data validation as described in section 2.1 above. Selected results were qualified based on results of the laboratory quality control samples, and are summarized in Table B-6a (sediment) and Table B-6b (tissue).

Axys obtained inconsistent 2,4'-DDT and 4,4'-DDT results for a laboratory duplicate for their HRGC/HRMS analysis of pesticides in sediment samples. Subsequent reanalysis of the sample indicated that the higher values were anomalous. The results initially obtained by Axys for sample LW2-GBT003 and its laboratory duplicate were 0.937 and 0.0419 µg/kg for 2,4'-DDT, and 53.4 and 0.250 µg/kg for 4,4'-DDT (Table B-9). The concentrations of the remaining pesticides showed good reproducibility between the sample and its duplicate. Sample LW2-GBT003 was reanalyzed by Axys, again in duplicate, because of the discrepant DDT results. The reanalysis confirmed the lower results that were obtained from the laboratory duplicate in the initial analysis. In addition, the results provided by CAS by gas chromatography/electron capture detection (GC/ECD) were consistent with the lower result for 4,4'-DDT; CAS reported 4,4'-DDT as undetected at 2.3 µg/kg. This detection limit is well below the anomalously high value reported by Axys for 4,4'-DDT.

In addition to sample LW2-GBT003, Axys reanalyzed samples LW2-GBT006-1 and LW2-GBT015 as additional checks on laboratory precision. Results for sample LW2-GBT006-1 replicated well, with RPD values ranging from 4.4 to 32.7. Results for sample LW2-GBT015 replicated reasonably well for most of the analytes. The RPD

values for 2,4'-DDE, 2,4'-DDT, and 4,4'-DDT were above 50 percent. The results for 2,4'-DDE and 2,4'-DDT were below the calibration range and close to the detection limit in at least one of the two analyses. Greater variability is expected at these concentrations because of the greater relative effects of instrument signal fluctuations (instrument "noise"). For 4,4'-DDT, the result for the reanalysis (25 µg/kg) was consistent with the result provided by CAS (36 µg/kg). The concentration values for the reanalysis were included in the database for all of the DDT compounds. For the remaining pesticides, the values for the initial analyses were included in the database because the laboratory duplicate results for the first analysis were acceptable.

2.2.4. Summary of Qualified Data

Selected data not meeting the data quality criteria were qualified as undetected or estimated during validation, in accordance with the QAPP. A summary of the qualified data by matrix and parameter group, including the reasons for qualification, is included in Tables B-6a (sediment) and B-6b (tissue). Data qualified as undetected are usable for all intended purposes. Data qualified as estimated are usable for all intended purposes, with the knowledge that these data may be less precise or less accurate than unqualified data. Rejected data are not usable for any purpose and have been flagged as "not reportable" in the database.

Selected semivolatile organic and phenol compounds were rejected in sediment samples primarily due to low laboratory control sample or matrix spike recoveries. Selected volatile organic compounds were rejected in sediment samples primarily due to initial or continuing calibration criteria. All acrolein and vinyl acetate sediment data and a majority of sediment data for methyl ethyl ketone were rejected due to initial and/or continuing calibration criteria. In tissue samples, selected pesticide, PCB congener and homolog data and most hexachlorobutadiene data were rejected due to poor surrogate recoveries. Most pentachlorophenol tissue data were rejected due to initial and continuing calibration criteria. The overall completeness goal of 95 percent was met for the sediment and tissue samples. Any issues related to selected rejected data will be addressed in subsequent interpretive reports.

The precision and accuracy of the sediment and tissue data was acceptable. The Round 2 benthic sediment and tissue data are usable for all project purposes. Overall, the data quality was acceptable and will meet program objectives and goals for the remedial investigation and feasibility study.

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Table B-1a Laboratory Methods for Sediment Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
Conventional Analyses	CAS Kelso				
Total solids		--	--	PSEP 1986	Balance
Grain size		--	--	PSEP 1986	Sieve and pipette method
Total sulfides		EPA 9030	Distillation	EPA 9030	Colorimetry
Ammonia		Plumb et al. 1981	KCl extraction	EPA 350.1	Colorimetry
Total organic carbon		Plumb et al. 1981	Acid pretreatment	Plumb et al. 1981	Combustion; coulometric titration
Metals	CAS Kelso				
Antimony, arsenic, cadmium, lead, silver,		EPA 3050	Strong acid digestion	EPA 6020	ICP/MS
Aluminum, chromium, copper, nickel, zinc		EPA 3050	Strong acid digestion	EPA 6010B	ICP/AES
Selenium		EPA 3050	Strong acid digestion	EPA 7742	AAS
		EPA 7742	Hydride generation		
Mercury		EPA 7471A	Acid digestion/oxidation	EPA 7471A	CVAA
Hexavalent chromium		EPA 3060A	Alkaline digestion	EPA 7196A	Colorimetry
Butyltins	CAS Kelso	Krone et al. 1988	Solvent extraction Derivatization	Krone et al. 1988	GC/FPD
Petroleum hydrocarbons	CAS Kelso				
Gasoline-range hydrocarbons		NWTPH-Gx	Methanol extraction Purge and trap	NWTPH-Gx	GC/FID
Diesel- and oil-range hydrocarbons		NWTPH-Dx	Sovent extraction Silica gel cleanup (as needed)	NWTPH-Dx	GC/FID
Chlorinated herbicides	STL Tacoma	EPA 8151A	Solvent extraction Esterification	EPA 8151A	GC/MS
Organochlorine Pesticides [a]	CAS Kelso	EPA 3541 EPA 3620B EPA 3660B	Soxhlet extraction Florisil® cleanup Sulfur cleanup	EPA 8081A	GC/ECD
Organochlorine Pesticides	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Acid/base silica column 1% deactivated basic Alumina Florisil® chromatography	Axys Method MLA-013 Rev 05	HRGC/HRMS
PCB Aroclors	CAS Kelso	EPA 3541 EPA 3665A EPA 3620B EPA 3660B	Soxhlet extraction Sulfuric acid cleanup Florisil® cleanup Sulfur cleanup	EPA 8082	GC/ECD

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Table B-1a Laboratory Methods for Sediment Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
Volatile organic compounds	CAS Kelso	EPA 5035	Purge and trap	EPA 8260B	GC/MS
Semivolatile organic compounds	CAS Kelso				
Tri-,tetra-, and pentachlorophenols		EPA 8151A	Solvent Extraction Esterification	EPA 8151A	GC/ECD
Polycyclic aromatic hydrocarbons		EPA 3541 EPA 3640A EPA 3630C	Automated Soxhlet Extraction Gel permeation chromatography Silica Gel cleanup	EPA 8270C	GC/MS-SIM
SVOCs (other than PAHs and tri-, tetra-, and pentchlorophenols)		EPA 3541 EPA 3640A	Automated Soxhlet Extraction Gel permeation chromatography	EPA 8270C	GC/MS-LVI
PCB Congeners[b]	Alta	EPA 1668A	Soxhlet/Dean Stark extraction Sulfuric acid cleanup Silica column cleanup	EPA 1668A	HRGC/HRMS
Chlorinated dioxins and furans	CAS Houston	EPA 1613B	Soxhlet/Dean Stark extraction Sulfuric acid cleanup Silica/carbon column cleanup	EPA 1613B	HRGC/HRMS

Notes:
[a] Toxaphene only.
[b] Analysis for all 209 PCB congeners.

AAS - Atomic absorption spectrometry
CAS - Columbia Analytical Services
CVAA - cold vapor atomic absorption spectrometry
EPA - U.S. Environmental Protection Agency
GC/ECD - gas chromatography/electron capture detection
GC/FID - gas chromatography/flame ionization detection
GC/MS - gas chromatography/mass spectrometry
HRGC/HRMS - high-resolution gas chromatography/high-resolution mass spectrometry
ICP/AES - inductively coupled plasma/atomic emission spectrometry
ICP/MS - inductively coupled plasma - mass spectrometry
LVI - large-volume injector
TPH - total petroleum hydrocarbon
PAH - polycyclic aromatic hydrocarbon
PCB - polychlorinated biphenyl
PSEP - Puget Sound Estuary Program
SIM - selected ion monitoring
STL - Severn Trent Laboratories
SVOC - semivolatile organic compound

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Table B-1b. Laboratory Methods of Analysis for Tissue Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
Total Solids	CAS	CAS SOP	Freeze dry	CAS SOP	Gravimetric
Butyltin Compounds	CAS	Krone et al. 1988 Krone et al. 1988	Solvent extraction Derivatization	Krone et al. 1988	GC/FPD
Polycyclic Aromatic Hydrocarbons	CAS	EPA 3540C EPA 3640A EPA 3620B	Soxhlet extraction Gel permeation chromatography Florisil® cleanup	EPA 8270C SIM	GC/MS SIM
Semivolatile Organic Compounds	CAS	EPA 3540C EPA 3640A	Soxhlet extraction Gel permeation chromatography	EPA 8270C SIM	GC/MS SIM
Metals	CAS				
Aluminum, antimony, arsenic, cadmium, copper, lead, nickel, silver, zinc		EPA 3050B/PSEP	Acid digestion	EPA 6020	ICP/MS
Chromium		EPA 3050B/PSEP	Acid digestion	EPA 6010B	ICP/AES
Selenium		EPA 3050B/7742	Acid digestion/hydride generation	EPA 7742	AAS
Mercury		EPA 7470	Acid digestion/oxidation	EPA 7471A	CVAA
Lipids	Axys	Axys SOP MLA-013 [a]	Soxhlet extraction	Axys SOP	Gravimetric
Percent Moisture	Axys	--	--	Axys SOP	Oven/Gravimetric
Chlorinated PCDD/Fs [b]	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Florisil® chromatography Carbon celite Layered silver nitrate/acid/base silica 1% deactivated basic alumina	Axys Method MLA-017/EPA 1613B	HRGC/HRMS

Table B-1b. Laboratory Methods of Analysis for Tissue Samples.

Analysis	Laboratory	Sample Preparation		Quantitative Analysis	
		Protocol	Procedure	Protocol	Procedure
PCB Congeners [c]	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Florisil® chromatography Acid/base silica column 1% deactivated basic alumina	Axys Method MLA-010/EPA 1668A	HRGC/HRMS
Organochlorine Pesticides	Axys	Axys Method MLA-013 Rev 05	Soxhlet extraction Gel permeation chromatography Acid/base silica column 1% deactivated basic Alumina Florisil® chromatography	Axys Method MLA-028 Rev 01	HRGC/HRMS

Notes:

[a] PCDD/Fs, PCBs, pesticides, and lipids analyzed from the same extract.

[b] Includes analyses for PCDD/F homologs.

[c] Includes all 209 congeners. Includes analyses for PCB congener homologs and PCB Aroclors.

AAS - atomic absorption spectrometry

Axys = Axyx Analytical Services Ltd.

CAS - Columbia Analytical Services

EPA - U.S. Environmental Protection Agency

HRGC/HRMS - high resolution gas chromatography/high resolution mass spectrometry

ICP/AES - inductively coupled plasma/atomic emission spectrometry

ICP/MS - inductively coupled plasma/mass spectrometry

PCB - polychlorinated biphenyl

SOP - standard operating procedure

PSEP - Puget Sound Estuary Program

SIM - selected ion monitoring

SOP - standard operating procedure

Table B-2a. Sediment Percent Completeness by Parameter Group.

Analysis	Total No. of Data Points[a]	Number of Data Points		Completeness (%)
		Accepted	Rejected	
Butyltins	148	148	0	100
Conventionals [b]	152	152	0	100
Dioxin/furan homologs	370	370	0	100
Dioxins/furans	555	555	0	100
Grainsize	481	481	0	100
Herbicides	370	370	0	100
Metals	521	521	0	100
Organochlorine pesticides	1036	1036	0	100
PAHs	629	629	0	100
PCB Aroclors	333	333	0	100
PCB congener homologs	333	333	0	100
PCB congeners	6253	6253	0	100
Petroleum	111	111	0	100
Phenols	592	587	5	99
Phthalates	222	222	0	100
SVOCs	1191	1156	35	97
VOCs	1850	1729	121	93
Benthic Sediment Sampling Project Total	**15147**	**14986**	**161**	**>98**

Notes:

[a] Totals include field replicates and split samples and exclude field blanks.

[b] Includes ammonia, sulfide, ORP, pH, TOC, and TS.

Table B-2b. Tissue Percent Completeness by Parameter Group.

Analysis	Total # of Data Points[a]	Number of Data Points		Completeness[b] (%)
		Accepted	Rejected	
Butyltins	388	388	0	100
Conventionals[c]	204	204	0	100
Dioxin/furan homologs	1085	1010	0	93
Dioxins/furans	1515	1515	0	100
Metals	1196	1196	0	100
Organochlorine pesticides	2704	2676	2	99
PAHs	1717	1717	0	100
PCB Aroclors	728	721	0	99
PCB congener homologs	937	920	7	98
PCB congeners	16639	16450	30	99
Phenols	500	436	64	87
Phthalates	600	600	0	100
SVOCs	1051	1005	46	96
Benthic Tissue Sampling Project Total	**29264**	**28838**	**149**	**>98**

Notes:

[a] Totals include field replicates and split samples and exclude field blanks.

[b] The completeness value includes 4 field-collected clam samples that were not analyzed for either dioxin, PCBs or pesticides as described in Section 3.5

[c] Includes lipids and total solids.

Table B-3a. Surrogate Control Limits for Benthic Sediments.

Surrogate Compunds	Percent Recovery
Semivolatile Organic Compounds	
2-Fluoro-1,1'-biphenyl	10 - 104
Nitrobenzene-d5	10 - 99
p-Terphenyl-d14	39 - 124
2,4,6-Tribromophenol	23 - 113
2-Fluorophenol	11 - 87
Phenol-d6	20 - 99
Volatile Organic Compounds	
1,2-Dichloroethane-d4	80 - 118
1-Bromo-4-fluorobenzene	74 - 116
Dibromofluoromethane	81 - 120
Toluene-d8	77 - 131
Phenols	
4-Bromo-2,6-dichlorophenol	38 - 155
Butyltins	
Tripropyltin hydride	10 - 127
PAHs	
Fluoranthene-d10	10 - 129
Fluorene-d10	10 - 122
p-Terphenyl-d14	32 - 134
Herbicides	
2,4-Dichlorophenylacetic acid	51 - 129
Petroleum	
1-Bromo-4-fluorobenzene	50 - 150
o-Terphenyl	50 - 150
Triacontane	50 - 150
PCB Aroclors	
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	20 - 166
PCB Congeners	
^{13}C-2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	25-150
^{13}C-2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	25-150
^{13}C-2,2',3,3',4,4',5,5'-Octachlorobiphenyl	25-150
^{13}C-2,2',3,3',4,4',5-Heptachlorobiphenyl	25-150
^{13}C-2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	25-150
^{13}C-2,2',3,3',5,5',6,6'-Octachlorobiphenyl	25-150
^{13}C-2,2',3,3',5,5',6-Heptachlorobiphenyl	25-150
^{13}C-2,2',3,4,4',5,5'-Heptachlorobiphenyl	25-150
^{13}C-2,2',3,4',5,6,6'-Heptachlorobiphenyl	25-150
^{13}C-2,2',3,5',6-Pentachlorobiphenyl	25-150
^{13}C-2,2',4,4',5,5'-Hexachlorobiphenyl	25-150
^{13}C-2,2',4,4',6,6'-Hexachlorobiphenyl	25-150
^{13}C-2,2',4,5,5'-Pentachlorobiphenyl	25-150
^{13}C-2,2',4,6,6'-Pentachlorobiphenyl	25-150
^{13}C-2,2',5,5'-Tetrachlorobiphenyl	25-150
^{13}C-2,2',6,6'-Tetrachlorobiphenyl	25-150
^{13}C-2,2',6-Trichlorobiphenyl	25-150
^{13}C-2,2'-Dichlorobiphenyl	25-150

Table B-3a. Surrogate Control Limits for Benthic Sediments.

Surrogate Compunds	Percent Recovery
^{13}C-2,3,3',4,4',5,5'-Heptachlorobiphenyl	25-150
^{13}C-2,3,3',4,4',5'-Hexachlorobiphenyl	25-150
^{13}C-2,3,3',4,4',5-Hexachlorobiphenyl	25-150
^{13}C-2,3,3',4,4'-Pentachlorobiphenyl	25-150
^{13}C-2,3',4,4',5,5'-Hexachlorobiphenyl	25-150
^{13}C-2,3',4,4',5'-Pentachlorobiphenyl	25-150
^{13}C-2,3',4,4',5-Pentachlorobiphenyl	25-150
^{13}C-2,3,4,4',5-Pentachlorobiphenyl	25-150
^{13}C-2,4,4'-Trichlorobiphenyl	25-150
^{13}C-2,4',6-Trichlorobiphenyl	25-150
^{13}C-2,5-Dichlorobiphenyl	25-150
^{13}C-2-Chlorobiphenyl	25-150
^{13}C-3,3',4,4',5,5'-Hexachlorobiphenyl	25-150
^{13}C-3,3',4,4',5-Pentachlorobiphenyl	25-150
^{13}C-3,3',4,4'-Tetrachlorobiphenyl	25-150
^{13}C-3,4,4',5-Tetrachlorobiphenyl	25-150
^{13}C-3,4,4'-Trichlorobiphenyl	25-150
^{13}C-4-Chlorobiphenyl	25-150
Organochlorine pesticides	
^{13}C-2,4'-DDE	40 - 150
^{13}C-2,4'-DDT	40 - 150
^{13}C-4,4'-DDE	40 - 150
^{13}C-4,4'-DDT	40 - 150
^{13}C-Aldrin	30 - 200
^{13}C-alpha-Endosulfan	30 - 150
^{13}C-beta-Endosulfan	30 - 150
^{13}C-beta-Hexachlorocyclohexane	30 - 150
^{13}C-cis-Nonachlor	40 - 150
^{13}C-delta-Hexachlorocyclohexane	30 - 150
^{13}C-Dieldrin	30 - 150
^{13}C-Endrin	30 - 150
^{13}C-gamma-Hexachlorocyclohexane	30 - 150
^{13}C-Heptachlor	30 - 150
^{13}C-Heptachlor epoxide	30 - 150
^{13}C-Methoxychlor	30 - 150
^{13}C-Oxychlordane	30 - 200
^{13}C-trans-Chlordane	30 - 150
^{13}C-trans-Nonachlor	30 - 150
13C-1,2,3-Trichlorobenzene	20 - 130
13C-Hexachlorobenzene	20 - 150
2,4,5,6-Tetrachloro-m-xylene	38 - 125
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	26 - 166
Dioxin/Furans	
^{13}C-1,2,3,4,6,7,8-Heptachlorodibenzofuran	40 - 135
^{13}C-1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	40 - 135
^{13}C-1,2,3,4,7,8,9-Heptachlorodibenzofuran	40 - 135
^{13}C-1,2,3,4,7,8-Hexachlorodibenzofuran	40 - 135
^{13}C-1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	40 - 135
^{13}C-1,2,3,6,7,8-Hexachlorodibenzofuran	40 - 135

Table B-3a. Surrogate Control Limits for Benthic Sediments.

Surrogate Compunds	Percent Recovery
^{13}C-1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	40 - 135
^{13}C-1,2,3,7,8,9-Hexachlorodibenzofuran	40 - 135
^{13}C-1,2,3,7,8-Pentachlorodibenzofuran	40 - 135
^{13}C-1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40 - 135
^{13}C-2,3,4,6,7,8-Hexachlorodibenzofuran	40 - 135
^{13}C-2,3,4,7,8-Pentachlorodibenzofuran	40 - 135
^{13}C-2,3,7,8-Tetrachlorodibenzofuran	40 - 135
^{13}C-2,3,7,8-Tetrachlorodibenzo-p-dioxin	40 - 135
^{13}C-Octachlorodibenzo-p-dioxin	40 - 135

Table B-3b. Surrogate Control Limits for Benthic Tissue.

Surrogate Compounds	Percent Recovery
Semivolatile Organic Compounds	
2-Fluoro-1,1'-biphenyl	10 - 146
Nitrobenzene-d5	35 - 129
2,4,6-Tribromophenol	38 - 160
Phenol-d6	10 - 144
PAHs	
Fluoranthene-d10	44 - 112
Fluorene-d10	40 - 97
p-Terphenyl-d14	49 - 137
Butyltins	
Tripropyltin hydride	10 - 160
PCB Congeners	
^{13}C-2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	25 - 150
^{13}C-2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	25 - 150
^{13}C-2,2',3,3',4,4',5-Heptachlorobiphenyl	25 - 150
^{13}C-2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	25 - 150
^{13}C-2,2',3,3',5,5',6,6'-Octachlorobiphenyl	25 - 150
^{13}C-2,2',3,3',5,5',6-Heptachlorobiphenyl	30 - 135
^{13}C-2,2',3,4,4',5,5'-Heptachlorobiphenyl	25 - 150
^{13}C-2,2',3,4',5,6,6'-Heptachlorobiphenyl	25 - 150
^{13}C-2,2',4,4',6,6'-Hexachlorobiphenyl	25 - 150
^{13}C-2,2',4,6,6'-Pentachlorobiphenyl	25 - 150
^{13}C-2,2',6,6'-Tetrachlorobiphenyl	25 - 150
^{13}C-2,2',6-Trichlorobiphenyl	25 - 150
^{13}C-2,2'-Dichlorobiphenyl	25 - 150
^{13}C-2,3,3',4,4',5,5',6-Octachlorobiphenyl	25 - 150
^{13}C-2,3,3',4,4',5,5'-Heptachlorobiphenyl	25 - 150
^{13}C-2,3,3',4,4'-Pentachlorobiphenyl	25 - 150
^{13}C-2,3,3',5,5'-Pentachlorobiphenyl	30 - 135
^{13}C-2,3',4,4',5,5'-Hexachlorobiphenyl	25 - 150
^{13}C-2,3',4,4',5'-Pentachlorobiphenyl	25 - 150
^{13}C-2,3',4,4',5-Pentachlorobiphenyl	25 - 150
^{13}C-2,3,4,4',5-Pentachlorobiphenyl	25 - 150
^{13}C-2,4,4'-Trichlorobiphenyl	30 - 135
^{13}C-2-Chlorobiphenyl	15 - 150
^{13}C-3,3',4,4',5,5'-Hexachlorobiphenyl	25 - 150
^{13}C-3,3',4,4',5-Pentachlorobiphenyl	25 - 150
^{13}C-3,3',4,4'-Tetrachlorobiphenyl	25 - 150
^{13}C-3,4,4',5-Tetrachlorobiphenyl	25 - 150
^{13}C-3,4,4'-Trichlorobiphenyl	25 - 150

Table B-3b. Surrogate Control Limits for Benthic Tissue.

Surrogate Compounds	Percent Recovery
^{13}C-4,4'-Dichlorobiphenyl	25 - 150
^{13}C-4-Chlorobiphenyl	15 - 150
PCB156L & 157L	25 - 150
Organochlorine pesticides	
^{13}C-2,4'-DDE	40 - 150
^{13}C-2,4'-DDT	40 - 150
^{13}C-4,4'-DDE	40 - 150
^{13}C-4,4'-DDT	40 - 150
^{13}C-Aldrin	30 - 200
^{13}C-alpha-Endosulfan	30 - 150
^{13}C-beta-Endosulfan	30 - 150
^{13}C-beta-Hexachlorocyclohexane	30 - 150
^{13}C-cis-Nonachlor	40 - 150
^{13}C-delta-Hexachlorocyclohexane	30 - 150
^{13}C-Dieldrin	30 - 150
^{13}C-Endrin	30 - 150
^{13}C-gamma-Hexachlorocyclohexane	30 - 150
^{13}C-Heptachlor	30 - 150
^{13}C-Heptachlor epoxide	30 - 150
^{13}C-Methoxychlor	30 - 150
^{13}C-Oxychlordane	30 - 200
^{13}C-trans-Chlordane	30 - 150
^{13}C-trans-Nonachlor	30 - 150
13C-1,2,3-Trichlorobenzene	20 - 130
13C-Hexachlorobenzene	20 - 150
Dioxin/Furans	
^{13}C-1,2,3,4,6,7,8-Heptachlorodibenzofuran	28 - 143
^{13}C-1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	23 - 140
^{13}C-1,2,3,4,7,8,9-Heptachlorodibenzofuran	26 - 138
^{13}C-1,2,3,4,7,8-Hexachlorodibenzofuran	26 - 152
^{13}C-1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	32 - 141
^{13}C-1,2,3,6,7,8-Hexachlorodibenzofuran	26 - 123
^{13}C-1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	28 - 130
^{13}C-1,2,3,7,8,9-Hexachlorodibenzofuran	29 - 147
^{13}C-1,2,3,7,8-Pentachlorodibenzofuran	24 - 185
^{13}C-1,2,3,7,8-Pentachlorodibenzo-p-dioxin	25 - 181
^{13}C-2,3,4,6,7,8-Hexachlorodibenzofuran	28 - 136
^{13}C-2,3,4,7,8-Pentachlorodibenzofuran	21 - 178
^{13}C-2,3,7,8-Tetrachlorodibenzofuran	24 - 169
^{13}C-2,3,7,8-Tetrachlorodibenzo-p-dioxin	25 - 164
^{13}C-Octachlorodibenzo-p-dioxin	17 - 157
^{37}Cl-2,3,7,8-Tetrachlorodibenzo-p-dioxin	35 - 197

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
Metals				
Aluminum	75 - 125	4120 - 10100	LD	30
Antimony	70 - 130	0.05 - 192	LD	30
Arsenic	70 - 122	112 - 180	LD	30
Barium	--	288 - 414	--	--
Beryllium	--	45.8 - 72.8	--	--
Cadmium	77 - 122	73.9 - 112	LD	30
Chromium	57 - 145	138 - 214	LD	30
Chromium hexavalent	85 - 115	85 - 115	LD	20
Copper	59 - 144	57.5 - 82.6	LD	30
Lead	74 - 117	53.1 - 81.9	LD	30
Manganese	--	168 - 252	--	--
Mercury	61 - 129	55 - 142	LD	30
Nickel	79 - 124	65 - 99.5	LD	30
Selenium	64 - 120	55.1 - 90.8	LD	30
Silver	70 - 130	57 - 129	LD	30
Thallium	--	62.6 - 102	--	--
Zinc	51 - 148	319 - 485	LD	30
Butyltins				
Butyltin ion	10 - 64	10 - 96	MSD	50
Dibutyltin ion	10 - 141	14 - 145	MSD	50
Tetrabutyltin	10 - 132	10 - 127	MSD	50
Tributyltin ion	10 - 140	13 - 125	MSD	50
Conventionals				
Ammonia	75 - 125	--	LD	20
Sulfide (S)	60 - 130	60 - 130	LD	20
Total organic carbon	75 - 125	85 - 115	LD	40
Total solids	--	--	LD	40
Grain size	--	--	Triplicate	--
Organochlorine pesticides				
2,4'-DDD	39 - 139	64 - 131	MSD	50
2,4'-DDE	45 - 135	59 - 133	MSD	50
2,4'-DDT	40 - 136	66 - 130	MSD	50
4,4'-DDD	32 - 156	70 - 130	MSD	50
4,4'-DDE	35 - 146	70 - 130	MSD	50
4,4'-DDT	31 - 161	70 - 132	MSD	50
Aldrin	39 - 143	67 - 130	MSD	50

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
alpha-Endosulfan	10 - 141	50 - 130	MSD	50
alpha-Hexachlorocyclohexane	41 - 148	67 - 130	MSD	50
beta-Endosulfan	21 - 135	59 - 130	MSD	50
beta-Hexachlorocyclohexane	37 - 152	66 - 134	MSD	50
cis-Chlordane	40 - 140	70 - 130	MSD	50
cis-Nonachlor	70 - 130	61 - 130	MSD	50
delta-Hexachlorocyclohexane	35 - 162	60 - 139	MSD	50
Dieldrin	48 - 142	60 - 130	MSD	50
Endosulfan sulfate	39 - 148	70 - 130	MSD	50
Endrin	44 - 146	60 - 130	MSD	50
Endrin aldehyde	18 - 137	10 - 138	MSD	50
Endrin ketone	37 - 149	60 - 130	MSD	50
gamma-Hexachlorocyclohexane	45 - 153	70 - 130	MSD	50
Heptachlor	35 - 151	69 - 130	MSD	50
Heptachlor epoxide	37 - 148	60 - 130	MSD	50
Methoxychlor	35 - 158	60 - 137	MSD	50
Mirex	68 - 119	43 - 136	MSD	50
Oxychlordane	70 - 130	55 - 130	MSD	50
Toxaphene	52 - 156	52 - 142	MSD	50
trans-Chlordane	33 - 161	70 - 130	MSD	50
trans-Nonachlor	70 - 130	58 - 130	MSD	50
Herbicides				
2,4-D	46 - 136	46 - 136	MSD	30
Dalapon	16 - 74	16 - 74	MSD	30
Dicamba	48 - 123	48 - 123	MSD	30
Dinoseb	18 - 157	18 - 157	MSD	30
MCPA	50 - 150	50 - 150	MSD	30
Silvex	52 - 137	52 - 137	MSD	30
Semivolatile Organic Compounds				
1,2,4-Trichlorobenzene	10 - 128	37 - 139	MSD	40
1,2-Dichlorobenzene	10 - 127	39 - 123	MSD	40
1,3-Dichlorobenzene	10 - 128	38 - 129	MSD	40
1,4-Dichlorobenzene	10 - 129	38 - 127	MSD	40
2,4-Dinitrotoluene	28 - 126	50 - 117	MSD	40
2,6-Dinitrotoluene	28 - 122	48 - 109	MSD	40
2-Chloronaphthalene	23 - 102	37 - 102	MSD	40
2-Nitroaniline	29 - 117	44 - 105	MSD	40
3,3'-Dichlorobenzidine	10 - 80	10 - 104	MSD	40
3-Nitroaniline	10 - 97	40 - 106	MSD	40
4-Bromophenyl phenyl ether	26 - 116	47 - 103	MSD	40
4-Chloroaniline	10 - 75	21 - 86	MSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
4-Chlorophenyl phenyl ether	22 - 113	42 - 103	MSD	40
4-Nitroaniline	10 - 105	41 - 112	MSD	40
Aniline	10 - 55	10 - 65	MSD	40
Azobenzene	28 - 101	42 - 103	MSD	40
Benzoic acid	10 - 113	10 - 83	MSD	40
Benzyl alcohol	26 - 106	32 - 102	MSD	40
Bis(2-chloroethoxy) methane	24 - 101	37 - 99	MSD	40
Bis(2-chloroethyl) ether	13 - 107	35 - 100	MSD	40
Bis(2-chloroisopropyl) ether	10 - 92	30 - 101	MSD	40
Carbazole	27 - 125	53 - 115	MSD	40
Dibenzofuran	27 - 121	47 - 113	MSD	40
Hexachlorobenzene	32 - 130	36 - 130	MSD	40
Hexachlorobutadiene	10 - 130	38 - 132	MSD	40
Hexachlorocyclopentadiene	10 - 64	15 - 96	MSD	40
Hexachloroethane	10 - 130	38 - 130	MSD	40
Isophorone	22 - 119	42 - 110	MSD	40
Nitrobenzene	16 - 102	35 - 100	MSD	40
N-Nitrosodimethylamine	19 - 94	29 - 101	MSD	40
N-Nitrosodiphenylamine	18 - 135	27 - 123	MSD	40
N-Nitrosodipropylamine	22 - 115	35 - 110	MSD	40
Volatile Organic Compounds				
1,1,1,2-Tetrachloroethane	17 - 138	76 - 122	MSD	40
1,1,1-Trichloroethane	41 - 127	68 - 126	MSD	40
1,1,2,2-Tetrachloroethane	15 - 132	69 - 120	MSD	40
1,1,2-Trichloroethane	31 - 135	77 - 118	MSD	40
1,1-Dichloroethane	45 - 122	66 - 120	MSD	40
1,2,3-Trichloropropane	20 - 144	73 - 120	MSD	40
1,2-Dichloroethane	34 - 134	63 - 129	MSD	40
1,2-Dichloropropane	36 - 129	69 - 123	MSD	40
1,4-Dichloro-trans-2-butene	70 - 130	70 - 130	MSD	40
2-Chloroethyl vinyl ether	70 - 130	34 - 149	MSD	40
Acetone	20 - 127	43 - 119	MSD	40
Acrolein	70 - 130	18 - 148	MSD	40
Acrylonitrile	70 - 130	10 - 197	MSD	40
Benzene	45 - 129	78 - 124	MSD	40
Bromochloromethane	41 - 134	75 - 126	MSD	40
Bromodichloromethane	19 - 138	67 - 129	MSD	40
Bromoform	10 - 136	72 - 121	MSD	40
Bromomethane	15 - 140	37 - 145	MSD	40
Carbon disulfide	19 - 139	63 - 139	MSD	40
Carbon tetrachloride	25 - 131	69 - 128	MSD	40
Chlorobenzene	17 - 130	76 - 119	MSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
Chlorodibromomethane	10 - 137	74 - 119	MSD	40
Chloroethane	28 - 149	44 - 143	MSD	40
Chloroform	37 - 132	70 - 123	MSD	40
Chloromethane	36 - 148	51 - 147	MSD	40
cis-1,2-Dichloroethene	36 - 130	72 - 122	MSD	40
cis-1,3-Dichloropropene	11 - 135	73 - 127	MSD	40
Dichlorodifluoromethane	34 - 154	43 - 163	MSD	40
Ethylbenzene	15 - 138	75 - 126	MSD	40
Ethylene dibromide	22 - 132	76 - 120	MSD	40
Isopropylbenzene	10 - 129	62 - 125	MSD	40
m,p-Xylene	15 - 138	76 - 131	MSD	40
Methyl iodide	70 - 130	70 - 130	MSD	40
Methyl isobutyl ketone	29 - 137	55 - 136	MSD	40
Methyl N-butyl ketone	22 - 126	60 - 124	MSD	40
Methyl tert-butyl ether	37 - 132	59 - 124	MSD	40
Methylene bromide	34 - 137	74 - 124	MSD	40
Methylene chloride	41 - 131	70 - 127	MSD	40
Methylethyl ketone	10 - 143	37 - 137	MSD	40
o-Xylene	12 - 143	76 - 128	MSD	40
Styrene	10 - 138	75 - 127	MSD	40
Tetrachloroethene	10 - 139	70 - 124	MSD	40
Toluene	31 - 136	75 - 128	MSD	40
trans-1,2-Dichloroethene	33 - 128	68 - 122	MSD	40
trans-1,3-Dichloropropene	10 - 131	68 - 114	MSD	40
Trichloroethene	18 - 153	69 - 128	MSD	40
Trichlorofluoromethane	37 - 135	55 - 134	MSD	40
Vinyl acetate	70 - 130	10 - 144	MSD	40
Vinyl chloride	34 - 165	55 - 155	MSD	40
Vinylidene chloride	46 - 128	71 - 127	MSD	40
Phenols				
2,3,4,5-Tetrachlorophenol	38 - 163	54 - 116	MSD	40
2,3,5,6-Tetrachlorophenol	45 - 160	54 - 123	MSD	40
2,4,5-Trichlorophenol	60 - 135	44 - 115	MSD	40
2,4,6-Trichlorophenol	38 - 140	50 - 108	MSD	40
2,4-Dichlorophenol	21 - 109	38 - 98	MSD	40
2,4-Dimethylphenol	10 - 93	10 - 72	MSD	40
2,4-Dinitrophenol	10 - 140	21 - 120	MSD	40
2-Chlorophenol	23 - 94	34 - 99	MSD	40
2-Methylphenol	10 - 100	17 - 97	MSD	40
2-Nitrophenol	20 - 105	35 - 106	MSD	40
4,6-Dinitro-2-methylphenol	10 - 118	37 - 113	MSD	40
4-Chloro-3-methylphenol	21 - 112	35 - 102	MSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
4-Methylphenol	10 - 116	14 - 99	MSD	40
4-Nitrophenol	24 - 120	43 - 119	MSD	40
Pentachlorophenol	48 - 157	50 - 150	MSD	40
Phenol	21 - 106	30 - 107	MSD	40
Phthalate Esters				
Bis(2-ethylhexyl) phthalate	10 - 158	52 - 136	MSD	40
Butylbenzyl phthalate	23 - 136	54 - 123	MSD	40
Dibutyl phthalate	20 - 131	49 - 126	MSD	40
Diethyl phthalate	28 - 116	45 - 114	MSD	40
Dimethyl phthalate	32 - 111	44 - 107	MSD	40
Di-n-octyl phthalate	27 - 143	54 - 127	MSD	40
Polycyclic Aromatic Hydrocarbons				
2-Methylnaphthalene	23 - 116	40 - 117	MSD	40
Acenaphthene	25 - 122	48 - 110	MSD	40
Acenaphthylene	30 - 117	48 - 112	MSD	40
Anthracene	33 - 129	53 - 118	MSD	40
Benz(a)anthracene	17 - 144	51 - 122	MSD	40
Benzo(a)pyrene	19 - 147	55 - 126	MSD	40
Benzo(b)fluoranthene	19 - 145	55 - 127	MSD	40
Benzo(g,h,i)perylene	15 - 147	50 - 127	MSD	40
Benzo(k)fluoranthene	20 - 144	57 - 127	MSD	40
Chrysene	26 - 139	57 - 122	MSD	40
Dibenz(a,h)anthracene	21 - 143	43 - 133	MSD	40
Fluoranthene	22 - 145	55 - 124	MSD	40
Fluorene	28 - 125	51 - 112	MSD	40
Indeno(1,2,3-cd)pyrene	15 - 150	43 - 136	MSD	40
Naphthalene	10 - 131	43 - 134	MSD	40
Phenanthrene	20 - 136	52 - 114	MSD	40
Pyrene	18 - 146	49 - 131	MSD	40
Petroleum Hydrocarbons				
Diesel Range Hydrocarbons	--	62 - 159	LD	40
Gasoline Range Hydrocarbons	--	73 - 115	LD	40
Residual Range Hydrocarbons	--	53 - 143	LD	40
Dioxin/Furans				
Octachlorodibenzofuran	--	50 - 150	BSD	40
Octachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	50 - 150	BSD	40
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	50 - 150	BSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
1,2,3,4,7,8-Hexachlorodibenzofuran	--	50 - 150	BSD	40
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
1,2,3,6,7,8-Hexachlorodibenzofuran	--	50 - 150	BSD	40
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
1,2,3,7,8,9-Hexachlorodibenzofuran	--	50 - 150	BSD	40
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
1,2,3,7,8-Pentachlorodibenzofuran	--	50 - 150	BSD	40
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
2,3,4,6,7,8-Hexachlorodibenzofuran	--	50 - 150	BSD	40
2,3,4,7,8-Pentachlorodibenzofuran	--	50 - 150	BSD	40
2,3,7,8-Tetrachlorodibenzofuran	--	50 - 150	BSD	40
2,3,7,8-Tetrachlorodibenzo-p-dioxin	--	50 - 150	BSD	40
PCB Aroclors				
Aroclor 1016	33 - 155	43 - 141	MSD	50
Aroclor 1260	36 - 161	45 - 145	MSD	50
PCB congeners	--	50-150	LCSD	40
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',5,6-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',5-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,4',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,5',6-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,5'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5',6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5,6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,5-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,6,6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4,6-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',4-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',5,5',6-Heptachlorobiphenyl	--	50-150	LCSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
2,2',3,3',5,6,6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',5,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',5-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3',6,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,3'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',5,5'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',5',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',5,6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',5-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',6,6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,4',6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,5,5',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,5,5'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4',5,6,6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,5,6,6'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4',5,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4',5,6-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,5',6-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4',5'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,5-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4',6,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,6,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,4,6'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,5,5',6-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,5,6,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',3,5,6'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,5,6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,5'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',3,6,6'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',3,6'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',3,6-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',4,4',5,5'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',4,4',5,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',4,4',5-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',4,4',6,6'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,2',4,4',6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',4,4'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',4,5',6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',4,6,6'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,2',4,6'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',4,6-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',4-Trichlorobiphenyl	--	50-150	LCSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
2,2',5,6'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',5-Trichlorobiphenyl	--	50-150	LCSD	40
2,2',6,6'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,2',6-Trichlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4',5,5',6-Octachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4',5,5'-Heptachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4',5',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4',5,6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4',5'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4',5-Hexachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,4'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4',5,5',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,5,5',6-Heptachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4,5,5'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4',5'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4',6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3,3',4-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3,3',5',6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3,3',5'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3,3',5-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3',4,4',5,5'-Hexachlorobiphenyl	--	50-150	LCSD	40
2,3',4,4',5',6-Hexachlorobiphenyl	--	50-150	LCSD	40
2,3,4,4',5,6-Hexachlorobiphenyl	--	50-150	LCSD	40
2,3',4,4',5'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3,4,4',5-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3',4,4',6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3',4',5,5'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3',4,5,5'-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3',4,5',6-Pentachlorobiphenyl	--	50-150	LCSD	40
2,3',4,5'-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3',4,5-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3,4',5-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3,4,6-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3',4-Trichlorobiphenyl	--	50-150	LCSD	40
2,3,4'-Trichlorobiphenyl	--	50-150	LCSD	40
2,3',5',6-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3,5,6-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,3',5'-Trichlorobiphenyl	--	50-150	LCSD	40
2,3',5-Trichlorobiphenyl	--	50-150	LCSD	40
2,3,5-Trichlorobiphenyl	--	50-150	LCSD	40
2,3'-Dichlorobiphenyl	--	50-150	LCSD	40
2,4,4',5-Tetrachlorobiphenyl	--	50-150	LCSD	40
2,4,4'-Trichlorobiphenyl	--	50-150	LCSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
2,4',5-Trichlorobiphenyl	--	50-150	LCSD	40
2,4,5-Trichlorobiphenyl	--	50-150	LCSD	40
2,4,6-Trichlorobiphenyl	--	50-150	LCSD	40
2-Chlorobiphenyl	--	50-150	LCSD	40
3,3',4,4',5,5'-Hexachlorobiphenyl	--	50-150	LCSD	40
3,3',4,4',5-Pentachlorobiphenyl	--	50-150	LCSD	40
3,3',4,4'-Tetrachlorobiphenyl	--	50-150	LCSD	40
3,3',4,5,5'-Pentachlorobiphenyl	--	50-150	LCSD	40
3,3',4,5'-Tetrachlorobiphenyl	--	50-150	LCSD	40
3,3',4,5-Tetrachlorobiphenyl	--	50-150	LCSD	40
3,3',4-Trichlorobiphenyl	--	50-150	LCSD	40
3,3',5,5'-Tetrachlorobiphenyl	--	50-150	LCSD	40
3,3',5-Trichlorobiphenyl	--	50-150	LCSD	40
3,3'-Dichlorobiphenyl	--	50-150	LCSD	40
3,4,4',5-Tetrachlorobiphenyl	--	50-150	LCSD	40
3,4,4'-Trichlorobiphenyl	--	50-150	LCSD	40
3,4',5-Trichlorobiphenyl	--	50-150	LCSD	40
3,4,5-Trichlorobiphenyl	--	50-150	LCSD	40
3,5-Dichlorobiphenyl	--	50-150	LCSD	40
3-Chlorobiphenyl	--	50-150	LCSD	40
4,4'-Dichlorobiphenyl	--	50-150	LCSD	40
4-Chlorobiphenyl	--	50-150	LCSD	40
PCB004 & 010	--	50-150	LCSD	40
PCB005 & 008	--	50-150	LCSD	40
PCB007 & 009	--	50-150	LCSD	40
PCB012 & 013	--	50-150	LCSD	40
PCB016 & 032	--	50-150	LCSD	40
PCB020 & 021 & 033	--	50-150	LCSD	40
PCB024 & 027	--	50-150	LCSD	40
PCB041 & 064 &071 &072	--	50-150	LCSD	40
PCB042 & 059	--	50-150	LCSD	40
PCB043 & 049	--	50-150	LCSD	40
PCB048 & 075	--	50-150	LCSD	40
PCB052 & 069	--	50-150	LCSD	40
PCB056 & 060	--	50-150	LCSD	40
PCB061 & 070	--	50-150	LCSD	40
PCB066 & 076	--	50-150	LCSD	40
PCB084 & 092	--	50-150	LCSD	40
PCB085 & 116	--	50-150	LCSD	40
PCB087 & 117 & 125	--	50-150	LCSD	40
PCB088 & 091	--	50-150	LCSD	40
PCB090 & 101	--	50-150	LCSD	40
PCB095 & 098 & 102	--	50-150	LCSD	40

Table B-4a. Laboratory Control Limits for Benthic Sediments Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
PCB106 & 118	--	50-150	LCSD	40
PCB107 & 109	--	50-150	LCSD	40
PCB108 & 112	--	50-150	LCSD	40
PCB111 & 115	--	50-150	LCSD	40
PCB128 & 162	--	50-150	LCSD	40
PCB132 & 161	--	50-150	LCSD	40
PCB133 & 142	--	50-150	LCSD	40
PCB134 & 143	--	50-150	LCSD	40
PCB138 & 163 & 164	--	50-150	LCSD	40
PCB139 & 149	--	50-150	LCSD	40
PCB146 & 165	--	50-150	LCSD	40
PCB158 & 160	--	50-150	LCSD	40
PCB182 & 187	--	50-150	LCSD	40
PCB196 & 203	--	50-150	LCSD	40

Notes:
BSD - blank spike duplicate
LCSD - laboratory contol sample duplicate
LD - laboratory duplicate
MSD - matrix spike duplicate

Table B-4a. Laboratory Control Limits for Benthic Tissue Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
Metals				
Aluminum	75 - 125	18.2 - 31.9	LD	30
Antimony	70 - 130	--	LD	30
Arsenic	70 - 130	7.76 - 22.9	LD	30
Cadmium	70 - 130	15 - 24	LD	30
Chromium	75 - 125	23.4 - 48.2	LD	30
Copper	70 - 130	1.74 - 38.6	LD	30
Lead	70 - 130	0.02 - 0.437	LD	30
Mercury	60 - 130	2.58 - 4.21	LD	30
Nickel	70 - 130	1.9 - 27	LD	30
Selenium	60 - 130	5.26 - 9.05	LD	30
Silver	70 - 130	0.9 - 1.52	LD	30
Zinc	75 - 125	20.3 - 107	LD	30
Butyltins				
Butyltin ion	10 - 113	10 - 123	MSD	50
Dibutyltin ion	10 - 126	10 - 130	MSD	50
Tetrabutyltin	10 - 125	10 - 117	MSD	50
Tributyltin ion	10 - 151	10 - 117	MSD	50
Conventionals				
Lipids	--	--	--	--
Total solids	--	--	LD	40
Organochlorine pesticides				
2,4'-DDD	--	70 - 130	--	--
2,4'-DDE	--	70 - 130	--	--
2,4'-DDT	--	70 - 130	--	--
4,4'-DDD	--	70 - 130	--	--
4,4'-DDE	--	70 - 130	--	--
4,4'-DDT	--	70 - 130	--	--
Aldrin	--	70 - 130	--	--
alpha-Endosulfan	--	70 - 130	--	--
alpha-Hexachlorocyclohexane	--	70 - 130	--	--
beta-Endosulfan	--	70 - 130	--	--
beta-Hexachlorocyclohexane	--	70 - 130	--	--
cis-Chlordane	--	70 - 130	--	--
cis-Nonachlor	--	70 - 130	--	--
delta-Hexachlorocyclohexane	--	60 - 130	--	--
Dieldrin	--	60 - 130	--	--

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Table B-4a. Laboratory Control Limits for Benthic Tissue Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
Endosulfan sulfate	--	70 - 130	--	--
Endrin	--	60 - 130	--	--
Endrin aldehyde	--	10 - 130	--	--
Endrin ketone	--	60 - 130	--	--
gamma-Hexachlorocyclohexane	--	70 - 130	--	--
Heptachlor	--	70 - 130	--	--
Heptachlor epoxide	--	60 - 130	--	--
Methoxychlor	--	60 - 130	--	--
Oxychlordane	--	70 - 130	--	--
trans-Chlordane	--	70 - 130	--	--
trans-Nonachlor	--	70 - 130	--	--
Semivolatile Organic Compounds				
1,2,4-Trichlorobenzene	59 - 130	10 - 114	MSD	40
1,2-Dichlorobenzene	51 - 130	41 - 130	MSD	40
1,3-Dichlorobenzene	43 - 130	41 - 130	MSD	40
1,4-Dichlorobenzene	45 - 130	41 - 130	MSD	40
Benzyl alcohol	46 - 133	30 - 130	MSD	40
Dibenzofuran	53 - 124	10 - 191	MSD	40
Hexachlorobenzene	62 - 130	59 - 130	MSD	40
Hexachlorobutadiene	43 - 130	48 - 109	MSD	40
Hexachloroethane	29 - 130	46 - 110	MSD	40
N-Nitrosodiphenylamine	57 - 144	55 - 134	MSD	40
Phenols				
2,4-Dimethylphenol	56 - 145	10 - 107	MSD	40
2-Methylphenol	66 - 130	41 - 113	MSD	40
4-Methylphenol	60 - 134	35 - 116	MSD	40
Pentachlorophenol	10 - 181	27 - 160	MSD	40
Phenol	55 - 130	52 - 118	MSD	40
Phthalate Esters				
Bis(2-ethylhexyl) phthalate	53 - 172	36 - 174	MSD	40
Butylbenzyl phthalate	39 - 171	51 - 145	MSD	40
Dibutyl phthalate	47 - 161	54 - 152	MSD	40
Diethyl phthalate	60 - 139	59 - 133	MSD	40
Dimethyl phthalate	68 - 130	54 - 124	MSD	40
Di-n-octyl phthalate	35 - 184	49 - 157	MSD	40
Polycyclic Aromatic Hydrocarbons				
2-Methylnaphthalene	39 - 126	10 - 181	MSD	40
Acenaphthene	52 - 122	44 - 120	MSD	40

Table B-4a. Laboratory Control Limits for Benthic Tissue Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
Acenaphthylene	44 - 129	44 - 124	MSD	40
Anthracene	51 - 129	47 - 128	MSD	40
Benz(a)anthracene	49 - 133	51 - 135	MSD	40
Benzo(a)pyrene	50 - 134	49 - 144	MSD	40
Benzo(b)fluoranthene	46 - 133	54 - 138	MSD	40
Benzo(g,h,i)perylene	44 - 134	45 - 143	MSD	40
Benzo(k)fluoranthene	51 - 136	55 - 145	MSD	40
Chrysene	59 - 124	59 - 133	MSD	40
Dibenz(a,h)anthracene	42 - 144	36 - 155	MSD	40
Fluoranthene	49 - 144	47 - 139	MSD	40
Fluorene	53 - 130	49 - 121	MSD	40
Indeno(1,2,3-cd)pyrene	30 - 148	37 - 149	MSD	40
Naphthalene	30 - 119	42 - 118	MSD	40
Phenanthrene	57 - 124	49 - 122	MSD	40
Pyrene	50 - 127	49 - 135	MSD	40
Dioxin/Furans				
Octachlorodibenzofuran	--	63 - 170	--	--
Octachlorodibenzo-p-dioxin	--	78 - 144	--	--
1,2,3,4,6,7,8-Heptachlorodibenzofuran	--	82 - 122	--	--
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	--	70 - 140	--	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	--	78 - 138	--	--
1,2,3,4,7,8-Hexachlorodibenzofuran	--	72 - 134	--	--
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	--	70 - 164	--	--
1,2,3,6,7,8-Hexachlorodibenzofuran	--	84 - 130	--	--
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	--	76 - 134	--	--
1,2,3,7,8,9-Hexachlorodibenzofuran	--	78 - 130	--	--
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	--	64 - 162	--	--
1,2,3,7,8-Pentachlorodibenzofuran	--	80 - 134	--	--
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	--	70 - 142	--	--
2,3,4,6,7,8-Hexachlorodibenzofuran	--	70 - 156	--	--
2,3,4,7,8-Pentachlorodibenzofuran	--	68 - 160	--	--
2,3,7,8-Tetrachlorodibenzofuran	--	75 - 158	--	--
2,3,7,8-Tetrachlorodibenzo-p-dioxin	--	67 - 158	--	--
PCB congeners			--	--
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	--	50 - 150	--	--
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	--	50 - 150	--	--
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	--	50 - 150	--	--
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	--	50 - 150	--	--
2,2',3,4',5,6,6'-Heptachlorobiphenyl	--	50 - 150	--	--
2,2',4,4',6,6'-Hexachlorobiphenyl	--	50 - 150	--	--

Table B-4a. Laboratory Control Limits for Benthic Tissue Matrix Spike, Laboratory Control Samples, and Ongoing Precsion and Recovery.

Analysis	Matrix Spike Recovery (percent)	Laboratory Control Sample Recovery (percent)	Type of Duplicate	Control Limit Relative Percent Difference
2,2',4,6,6'-Pentachlorobiphenyl	--	50 - 150	--	--
2,2',6,6'-Tetrachlorobiphenyl	--	50 - 150	--	--
2,2',6-Trichlorobiphenyl	--	50 - 150	--	--
2,2'-Dichlorobiphenyl	--	50 - 150	--	--
2,3,3',4,4',5,5',6-Octachlorobiphenyl	--	50 - 150	--	--
2,3,3',4,4',5,5'-Heptachlorobiphenyl	--	50 - 150	--	--
2,3,3',4,4'-Pentachlorobiphenyl	--	50 - 150	--	--
2,3',4,4',5,5'-Hexachlorobiphenyl	--	50 - 150	--	--
2,3',4,4',5'-Pentachlorobiphenyl	--	50 - 150	--	--
2,3',4,4',5-Pentachlorobiphenyl	--	50 - 150	--	--
2,3,4,4',5-Pentachlorobiphenyl	--	50 - 150	--	--
2-Chlorobiphenyl	--	50 - 150	--	--
3,3',4,4',5,5'-Hexachlorobiphenyl	--	50 - 150	--	--
3,3',4,4',5-Pentachlorobiphenyl	--	50 - 150	--	--
3,3',4,4'-Tetrachlorobiphenyl	--	50 - 150	--	--
3,4,4',5-Tetrachlorobiphenyl	--	50 - 150	--	--
3,4,4'-Trichlorobiphenyl	--	50 - 150	--	--
4,4'-Dichlorobiphenyl	--	50 - 150	--	--
4-Chlorobiphenyl	--	50 - 150	--	--
PCB156 & 157	--	50 - 150	--	--

Notes:
LD - laboratory duplicate
MSD - matrix spike duplicate

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Table B-5. Data Validation Qualifiers and Definitions.

Data Qualifier	Definition
U	The material was analyzed for, but was not detected. The associated numerical value is the sample quantitation limit.
J	The associated numerical value is an estimated quantity.
R	Rejected.
NJ	Presumptive evidence of the presence of the material at an estimated quantity.
UJ	The material was analyzed for, but was not detected. The sample quantitation limit is an estimated quantity.
T	The associated numerical value was mathematically derived (e.g., from summing multiple analyte results such as Aroclors, or calculating the average of multiple results for a single analyte). Also indicates all results that are selected for reporting in preference to other available results (e.g., for parameters reported by multiple methods) for the Round 2 data.

Table B-6a. Summary of Qualified Data by Parameter Group for Benthic Sediment Samples.

Analyte Group	Number of Samples	Number of Data Points		Total No. of Data Points	Detection and Qualification Frequencies (percent)		Reason for Qualification
		Detected	Undetected				
Conventionals	37	144	8	152	95	detected	
					5	undetected	
					30	J	HT
Grain Size	37	481	0	481	100	detected	
					0.0	undetected	
					0.4	J	PC
Metals	37	467	54	521	90	detected	
					10	undetected	
					30	J	MS, PC, ICPSD
					7	U	LB
					3	UJ	MS
Butyltins	37	121	27	148	82	detected	
					18	undetected	
					5	J	CC, MS
					6	U	FB, LB
Herbicides *	37	0	370	370	0	detected	
					100	undetected	
					43	UJ	IS
Organochlorine Pesticides	37	633	403	1036	61	detected	
					39	undetected	
					2	J	CC, PC, SSR
					0.2	NJ	CC
					10	U	PFP
					0.4	UJ	PC, SSR, PFP
Semivolatile Organic Compounds	37	131	1025	1156	11	detected	
					89	undetected	
					3	J	HT, CC, Ci, Cc, MS, Pc, LCSR
					0.2	NJ	CC, MS, LCSR
					0.1	U	PFP
					3	UJ	HT, Chrom, Ci, Cc, LB, MS, LCSR
Volatile Organic Compounds	37	51	1678	1729	3	detected	
					97	undetected	
					0.1	J	Ci, Cc
					2	U	FB, LB
					2	UJ	Ci, Cc, FB, MS, LCSR

Table B-6a. Summary of Qualified Data by Parameter Group for Benthic Sediment Samples.

Analyte Group	Number of Samples	Number of Data Points		Total No. of Data Points	Detection and Qualification Frequencies (percent)		Reason for Qualification
		Detected	Undetected				
Phenols	37	68	519	587	12	detected	
					88	undetected	
					3	J	CC, Pc, LCSR
					1	NJ	CC
					5	UJ	HT, IS
Phthalate Esters	37	59	163	222	27	detected	
					73	undetected	
					8	J	MS, Pc
					11	U	LB
					0.5	UJ	LB, Pc
Polycyclic Aromatic Hydrocarbons	37	612	17	629	97	detected	
					3	undetected	
					3	J	MS, Pc
					1	U	LB
					1	UJ	Cc
Petroleum Hydrocarbons	37	79	32	111	71	detected	
					29	undetected	
					64	J	Chrom, Pc
					9	U	LB
PCB Aroclors	37	49	284	333	15	detected	
					85	undetected	
					6	J	CC
PCB congener homologs	37	330	3	333	99	detected	
					1	undetected	
					1	J	
PCB congeners	37	5027	1226	6253	80	detected	Pc
					20	undetected	
					0	J	Pc
					1	U	LB
Dioxin/Furan Homologs	37	358	12	370	97	detected	
					3	undetected	
					1	J	LR
					1	U	LB

Table B-6a. Summary of Qualified Data by Parameter Group for Benthic Sediment Samples.

Analyte Group	Number of Samples	Number of Data Points		Total No. of Data Points	Detection and Qualification Frequencies (percent)		Reason for Qualification
		Detected	Undetected				
Dioxin/Furans	37	413	142	555	74	detected	
					26	undetected	
					3	J	SSR
					11	U	LB, PFP

Notes:
Includes replicates and splits, excludes field blanks.

* 210 dataponits have been assigned laboratory or interpreted qualifiers as non-detected. However, no validator qualification has been assigned and consequently none has been listed avove.
Reason for Qualification:

Cc - Calibration (continuing)
CC - Compound confirmation
Chrom-Chromatographic pattern does not match pattern of calibration standard
Ci - Calibration (initial)
FB- Field Blank Contamination
HT-Holding time
IS- Internal Standard Performance
LB - Lab blank contamination
LCSR - Laboratory control sample recoveries
LR-Linear Range Exceeded
MS- Matrix Spike recoveries
Pc - Precision (all replicates)
PFP - Potential false positive
SSR - Surrogate spike recoveries

Table B-6b. Summary of Qualified Data by Parameter Group for Benthic Tissue Samples.

Analyte Group	Number of Samples	Number of Data Points		Total # of Data Points	Detection and Qualification Frequencies (percent)		Reason for Qualification
		Detected	Undetected				
Conventionals	105	204	0	204	100	detected	
					0	undetected	
Metals	100	1142	54	1196	95	detected	
					5	undetected	
					14	J	MS,Pc, ICPSD
					2	U	LB
					2	UJ	LB, MS
Butyltins	97	195	193	388	50	detected	
					50	undetected	
					4	J	CC,Pc
					1	NJ	CC
					26	U	LB
Organochlorine Pesticides	103	1823	853	2676	68	detected	
					32	undetected	
					0.5	J	HT,Pc,SSR
					14	U	LB, PFP
					0.1	UJ	SSR, PFP
Semivolatile Organic Compounds	104	305	700	1005	30	detected	
					70	undetected	
					3	J	Ci,Cc,Pc,SSR,Other
					0.2	U	PFP
					17	UJ	
Phenols	100	98	338	436	22	detected	
					78	undetected	
Phthalate Esters	100	66	534	600	11	detected	
					89	undetected	
					0.2	J	MS
					10	U	LB
					0.2	UJ	MS
Polycyclic Aromatic Hydrocarbons	101	1458	259	1717	1604	detected	
					15	undetected	
					7	U	LB

Table B-6b. Summary of Qualified Data by Parameter Group for Benthic Tissue Samples.

Analyte Group	Number of Samples	Number of Data Points		Total # of Data Points	Detection and Qualification Frequencies (percent)		Reason for Qualification
		Detected	Undetected				
PCB Aroclors	103	306	415	721	42	detected	
					58	undetected	
					42	NJ	Pc, Other
PCB congener homologs	103	920	0	920	100	detected	
					0	undetected	
					5	J	Pc,SSR
PCB congeners	103	14888	1562	16450	91	detected	
					9	undetected	
					5	J	Pc,SSR, Other
					2	U	LB, PFP
					0.4	UJ	Pc,SSR, Other, PFP
Dioxin/Furan Homologs	101	966	44	1010	96	detected	
					4	undetected	
					2	U	LB, PFP
Dioxin/Furans	101	894	621	1515	59	detected	
					41	undetected	
					27	U	LB, PFP

Notes:

Includes replicates and splits, excludes field blanks.

Reason for Qualification:

Cc - Calibration (continuing)
CC - Compound confirmation
Ci - Calibration (initial)
HT-Holding time
ICPSD-ICP Serial Dilution % Difference
LB - Lab blank contamination
LCSR - Laboratory control sample recoveries
MS- Matrix Spike recoveries
Other - defined in validation report.
Pc - Precision (all replicates)
PFP - Potential false positive
SSR - Surrogate spike recoveries

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Metals							
Aluminum	7429-90-5	mg/kg	10.0	5.4	9.6	37	--
Antimony	7440-36-0	mg/kg	0.02	0.03	0.04	37	--
Arsenic	7440-38-2	mg/kg	0.07	0.07	0.1	37	--
Barium	7440-39-3	mg/kg	--	0.18	0.25	10	--
Beryllium	7440-41-7	mg/kg	--	0.004	0.005	10	--
Cadmium	7440-43-9	mg/kg	0.007	0.004	0.009	37	--
Chromium	7440-47-3	mg/kg	0.6	0.4	0.9	37	--
Chromium hexavalent	18540-29-9	mg/kg	0.05	0.1	1	37	16
Copper	7440-50-8	mg/kg	2.0	0.5	2.4	37	--
Lead	7439-92-1	mg/kg	0.02	0.02	0.02	37	--
Manganese	7439-96-5	mg/kg	--	0.08	0.11	10	--
Mercury	7439-97-6	mg/kg	0.008	0.008	0.009	37	--
Nickel	7440-02-0	mg/kg	3.0	0.08	0.7	37	--
Selenium	7782-49-2	mg/kg	0.2	0.03	0.29	37	37
Silver	7440-22-4	mg/kg	0.003	0.002	0.068	37	1
Thallium	7440-28-0	mg/kg	--	0.004	0.005	10	--
Zinc	7440-66-6	mg/kg	0.5	0.4	1	37	--
Butyltins							
Monobutyltin	78763-54-9	ug/kg	0.071	0.041	6.9	37	2
Dibutyltin	14488-53-0	ug/kg	0.041	0.039	33	37	3
Tributyltin	1461-25-2	ug/kg	0.16	0.096	1.5	37	18
Tetrabutyltin	36643-28-4	ug/kg	0.12	0.077	3.2	37	4
Conventionals							
Ammonia	7664-41-7	mg/kg	0.2	0.3	3.2	37	--
Sulfide (S)	18496-25-8	mg/kg	0.08	0.03	0.4	37	8
Total organic carbon	TOC	percent	0.02	0.02	0.02	37	--
Total solids	TSO	percent	0.01	--	--	80	--
Grain size							
>9 Phi clay	GS_MFCLAY	percent	0.1	--	--	37	--
8-9 Phi clay	GS_CCLAY	percent	0.1	--	--	37	--
Coarse sand	GS_CS	percent	0.1	--	--	37	--
Coarse silt	GS_CSILT	percent	0.1	--	--	37	--

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Fine gravel	GS_FG	percent	0.1	--	--	37	--
Fine sand	GS_FS	percent	0.1	--	--	37	--
Fine silt	GS_FSILT	percent	0.1	--	--	37	--
Medium gravel	GS_MG	percent	0.1	--	--	37	--
Medium sand	GS_MS	percent	0.1	--	--	37	--
Medium silt	GS_MSILT	percent	0.1	--	--	37	--
Very coarse sand	GS_VCS	percent	0.1	--	--	37	--
Very fine sand	GS_VFS	percent	0.1	--	--	37	--
Very fine silt	GS_VFSILT	percent	0.1	--	--	37	--
Organochlorine pesticides							
2,4'-DDD	53-19-0	ug/kg	--[b]	0.0011	12	74	22
2,4'-DDE	3424-82-6	ug/kg	--	0.000884	27	74	32
2,4'-DDT	789-02-6	ug/kg	--	0.0019	13	74	20
4,4'-DDD	72-54-8	ug/kg	--	0.00164	11	74	11
4,4'-DDE	72-55-9	ug/kg	--	0.00115	5.5	74	9
4,4'-DDT	50-29-3	ug/kg	--	0.00195	18	74	10
Aldrin	309-00-2	ug/kg	--	0.0000779	4.4	74	24
alpha -Chlordane	5103-71-9	ug/kg	--	0.000651	9.4	74	33
alpha -HCH	319-84-6	ug/kg	--	0.000645	9	74	51
beta -HCH	319-85-7	ug/kg	--	0.00101	5.6	74	55
cis- Nonachlor	5103-73-1	ug/kg	--	0.00134	47	74	32
delta -HCH	319-86-8	ug/kg	--	0.000469	6.4	74	56
Dieldrin	60-57-1	ug/kg	--	0.000372	24	74	32
Endosulfan I	959-98-8	ug/kg	--	0.00522	2.9	74	56
Endosulfan II	33213-65-9	ug/kg	--	0.00432	4.9	74	43
Endosulfan sulfate	1031-07-8	ug/kg	--	0.00168	5.2	74	39
Endrin	72-20-8	ug/kg	--	0.00183	14	74	66
Endrin aldehyde	7421-93-4	ug/kg	--	0.096	20	74	67
Endrin ketone	53494-70-5	ug/kg	--	0.000905	18	74	58
gamma -Chlordane	5103-74-2	ug/kg	--	0.00058	9.4	74	25
gamma -HCH	58-89-9	ug/kg	--	0.000823	4.3	74	41
Heptachlor	76-44-8	ug/kg	--	0.000138	2.8	74	57
Heptachlor epoxide	1024-57-3	ug/kg	--	0.000212	3.9	74	38
Methoxychlor	72-43-5	ug/kg	--	0.016	9.9	74	67
Mirex	2385-85-5	ug/kg	--	0.067	9.7	37	28

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Oxychlordane	27304-13-8	ug/kg	--	0.00195	14	74	69
Toxaphene	8001-35-2	ug/kg	0.9[c]	8.3	790	37	37
trans- Nonachlor	39765-80-5	ug/kg	--	0.000778	16	74	30
Herbicides							
2,4,5-T	93-76-5	ug/kg	0.38	0.38	0.71	37	37
2,4,5-TP	93-72-1	ug/kg	0.38	0.38	0.71	37	37
2,4-D	94-75-7	ug/kg	0.26	0.26	0.49	37	37
2,4-DB	94-82-6	ug/kg	0.53	0.39	0.72	37	37
Dalapon	75-99-0	ug/kg	0.23	0.23	0.43	37	37
Dicamba	1918-00-9	ug/kg	0.82	0.82	1.5	37	37
Dichloroprop	120-36-5	ug/kg	0.42	0.42	0.78	37	37
Dinoseb	88-85-7	ug/kg	0.39	0.53	0.98	37	37
MCPA	94-74-6	ug/kg	0.56	0.56	1	37	37
MCPP	93-65-2	ug/kg	0.51	0.51	0.95	37	37
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	120-82-1	ug/kg	1.5	0.48	34	74	74
1,2-Dichlorobenzene	95-50-1	ug/kg	1.3	0.1	29	74	72
1,3-Dichlorobenzene	541-73-1	ug/kg	1.6	0.15	36	74	73
1,4-Dichlorobenzene	106-46-7	ug/kg	0.12[d]	0.16	42	74	73
2,4-Dinitrotoluene	121-14-2	ug/kg	2.8	3.9	62	37	37
2,6-Dinitrotoluene	606-20-2	ug/kg	2.8	3.9	62	37	37
2-Chloronaphthalene	91-58-7	ug/kg	3.6	5	80	37	37
2-Nitroaniline	88-74-4	ug/kg	2.7	3.7	60	37	37
3,3'-Dichlorobenzidine	91-94-1	ug/kg	3.7	5.1	82	33	33
3-Nitroaniline	99-09-2	ug/kg	2.6	3.6	58	37	37
4-Bromophenyl phenyl ether	101-55-3	ug/kg	1.4	2	31	37	37
4-Chloroaniline	106-47-8	ug/kg	2.1	2.9	47	37	37
4-Chlorophenyl phenyl ether	7005-72-3	ug/kg	2	2.8	45	37	37
4-Nitroaniline	100-01-6	ug/kg	3.4	4.7	75	37	37
Aniline	62-53-3	ug/kg	1.5	2.1	34	20	20
Azobenzene	103-33-3	ug/kg		3.3	53	37	37
Benzoic acid	65-85-0	ug/kg	96	140	2200	30	30
Benzyl alcohol	100-51-6	ug/kg	3.7	5.1	82	37	36
Bis(2-chloroethoxy) methane	111-91-1	ug/kg	1.3	1.8	29	37	37

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Bis(2-chloroethyl) ether	111-44-4	ug/kg	2.4	3.3	53	37	37
Bis(2-chloroisopropyl) ether	39638-32-9	ug/kg	1.2	1.7	27	37	37
Carbazole	86-74-8	ug/kg	1.3	1.8	29	37	11
Dibenzofuran	132-64-9	ug/kg	0.17[c]	0.24	3.7	37	--
Hexachlorocyclopentadiene	77-47-4	ug/kg	15	21	340	37	37
Isophorone	78-59-1	ug/kg	1.6	2.2	36	37	37
Hexachlorobenzene	118-74-1	ug/kg	--	0.0000135	47	111	61
Hexachlorobutadiene	87-68-3	ug/kg	--	0.000697	31	138	126
Hexachloroethane	67-72-1	ug/kg	--	0.077	49	74	55
Nitrobenzene	98-95-3	ug/kg	2	2.8	45	37	37
N-Nitrosodimethylamine	62-75-9	ug/kg	6.1	8.4	140	37	37
N-Nitrosodiphenylamine	86-30-6	ug/kg	2.2	3.1	49	37	36
N-Nitrosodipropylamine	621-64-7	ug/kg	3.2	4.4	71	37	37
Volatile Organic Compounds							
1,1,1,2-Tetrachloroethane	630-20-6	ug/kg	0.031	0.042	0.11	37	36
1,1,1-Trichloroethane	71-55-6	ug/kg	0.059	0.079	0.2	37	37
1,1,2,2-Tetrachloroethane	79-34-5	ug/kg	0.096	0.13	0.32	37	37
1,1,2-Trichloroethane	79-00-5	ug/kg	0.059	0.079	0.2	37	37
1,1-Dichloroethane	75-34-3	ug/kg	0.057	0.076	0.19	37	37
1,1-Dichloroethene	75-35-4	ug/kg	0.082	0.11	0.28	37	37
1,2,3-Trichloropropane	96-18-4	ug/kg	0.082	0.15	0.37	37	37
1,2-Dichloroethane	107-06-2	ug/kg	0.11	0.042	0.11	37	37
1,2-Dichloropropane	78-87-5	ug/kg	0.051	0.047	0.12	37	37
2-Butanone	78-93-3	ug/kg	1.1	2.2	19	2	1
2-Chloroethyl vinyl ether	110-75-8	ug/kg	0.15	0.2	0.5	37	37
2-Hexanone	591-78-6	ug/kg	0.64	0.85	2.2	31	31
4-Methyl-2-Pentanone	108-10-1	ug/kg	0.24	0.32	0.8	37	37
Acetone	67-64-1	ug/kg	1.6	2.4	78	31	26
Acrylonitrile	107-13-1	ug/kg	0.23	0.31	0.77	37	37
Benzene	71-43-2	ug/kg	0.039	0.052	0.13	37	34
Bromochloromethane	74-97-5	ug/kg	0.06	0.08	0.2	37	37
Bromodichloromethane	75-27-4	ug/kg	0.068	0.091	0.23	37	37
Bromoform	75-25-2	ug/kg	0.046	0.062	0.16	37	37
Bromomethane	74-83-9	ug/kg	0.37	0.5	1.3	37	37
Carbon disulfide	75-15-0	ug/kg	0.13	0.18	0.44	37	36

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Carbon tetrachloride	56-23-5	ug/kg	0.099	0.14	0.33	37	37
Chlorobenzene	108-90-7	ug/kg	0.07	0.093	0.24	37	37
Chlorodibromomethane	124-48-1	ug/kg	0.068	0.091	0.23	37	37
Chloroethane	75-00-3	ug/kg	0.28	0.38	0.94	37	37
Chloroform	67-66-3	ug/kg	0.056	0.075	0.19	37	36
Chloromethane	74-87-3	ug/kg	0.19	0.26	0.64	37	37
cis-1,2-Dichloroethene	156-59-2	ug/kg		0.083	0.21	37	37
cis-1,3-Dichloropropene	10061-01-5	ug/kg	0.031	0.042	0.11	37	37
Dibromomethane	74-95-3	ug/kg	0.082	0.11	0.28	37	37
Dichlorodifluoromethane	75-71-8	ug/kg	0.11	0.15	0.37	37	5
Ethylbenzene	100-41-4	ug/kg	0.071	0.095	0.24	37	37
Ethylene dibromide	106-93-4	ug/kg		0.068	0.17	37	37
Iodomethane	74-88-4	ug/kg	0.67	0.89	2.3	37	37
Isopropylbenzene	98-82-8	ug/kg	0.044	0.059	0.15	37	35
m,p-Xylene	179601-23-1	ug/kg	0.13	0.18	0.44	37	36
Methyl tert-butyl ether	1634-04-4	ug/kg	0.039	0.052	0.13	37	37
Methylene chloride	75-09-2	ug/kg	0.29	0.39	2.5	37	36
o-Xylene	95-47-6	ug/kg	0.075	0.1	0.25	37	36
Styrene	100-42-5	ug/kg	0.074	0.099	0.27	37	37
Tetrachloroethene	127-18-4	ug/kg	0.096	0.13	0.32	37	36
Toluene	108-88-3	ug/kg	0.15	0.2	1.1	37	36
trans-1,2-Dichloroethene	156-60-5	ug/kg	0.19	0.26	0.64	37	37
trans-1,3-Dichloropropene	10061-02-6	ug/kg	0.044	0.059	0.15	37	37
trans-1,4-Dichloro-2-butene	110-57-6	ug/kg	0.51	0.68	1.7	37	37
Trichloroethene	79-01-6	ug/kg	0.062	0.083	0.21	37	37
Trichlorofluoromethane	75-69-4	ug/kg	0.081	0.11	0.27	37	37
Vinyl chloride	75-01-4	ug/kg	0.085	0.12	0.29	37	37
Phenols							
2,3,4,5-Tetrachlorophenol	4901-51-3	ug/kg	0.36	0.59	43	37	35
2,3,5,6-Tetrachlorophenol[f]	935-95-5	ug/kg	0.36	0.58	8.5	37	35
2,4,5-Trichlorophenol	95-95-4	ug/kg	0.29	0.46	98	37	34
2,4,6-Trichlorophenol	88-06-2	ug/kg	0.36	0.35	5.8	37	36
2,4-Dichlorophenol	120-83-2	ug/kg	1.8	2.5	40	37	36
2,4-Dimethylphenol	105-67-9	ug/kg	5.5	7.6	130	32	32
2,4-Dinitrophenol	51-28-5	ug/kg	36	50	800	37	37

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2-Chlorophenol	95-57-8	ug/kg	1.7	2.4	38	37	37
2-Methylphenol	95-48-7	ug/kg	3.4	4.7	75	37	37
2-Nitrophenol	88-75-5	ug/kg	2.6	3.6	58	37	37
4,6-Dinitro-2-methylphenol	534-52-1	ug/kg	1.7	2.4	38	37	37
4-Chloro-3-methylphenol	59-50-7	ug/kg	2.1	2.9	47	37	37
4-Methylphenol	106-44-5	ug/kg	2.9	4	64	37	23
4-Nitrophenol	100-02-7	ug/kg	30	0.31	670	74	74
Pentachlorophenol	87-86-5	ug/kg	0.39	0.58	10	74	54
Phenol	108-95-2	ug/kg	1.9	2.6	42	37	12
Phthalate Esters							
Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	1.7	2.4	150	37	14
Butylbenzyl phthalate	85-68-7	ug/kg	1.5	2.1	34	37	18
Dibutyl phthalate	84-74-2	ug/kg	2.6	3.6	58	37	22
Diethyl phthalate	84-66-2	ug/kg	3.5	4.8	78	37	36
Dimethyl phthalate	131-11-3	ug/kg	1.8	2.5	40	37	36
Di-n-octyl phthalate	117-84-0	ug/kg	1.2	1.7	27	37	37
Polycyclic Aromatic Hydrocarbons							
2-Methylnaphthalene	91-57-6	ug/kg	0.34	0.47	7.3	37	2
Acenaphthene	83-32-9	ug/kg	0.16	0.22	3.5	37	--
Acenaphthylene	208-96-8	ug/kg	0.22	0.31	4.8	37	--
Anthracene	120-12-7	ug/kg	0.22	0.31	4.8	37	--
Benz(a)anthracene	56-55-3	ug/kg	0.16	0.22	3.6	37	--
Benzo(a)pyrene	50-32-8	ug/kg	0.22	0.31	4.9	37	--
Benzo(b)fluoranthene	205-99-2	ug/kg	0.48	0.66	11	37	--
Benzo(g,h,i)perylene	191-24-2	ug/kg	0.23	0.32	5.1	37	--
Benzo(k)fluoranthene	207-08-9	ug/kg	0.33	0.46	7.3	37	--
Chrysene	218-01-9	ug/kg	0.41	0.56	9.1	37	--
Dibenz(a,h)anthracene	53-70-3	ug/kg	0.26	0.36	5.6	37	--
Fluoranthene	206-44-0	ug/kg	0.34	0.47	7.5	37	--
Fluorene	86-73-7	ug/kg	0.19	0.26	4.1	37	1
Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	0.24	0.33	5.3	37	--
Naphthalene	91-20-3	ug/kg	0.34	0.47	10	74	50
Phenanthrene	85-01-8	ug/kg	0.33	0.46	7.1	37	--
Pyrene	129-00-0	ug/kg	0.36	0.5	8	37	--

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Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Petroleum Hydrocarbons							
Diesel Range Hydrocarbons	DRH	mg/kg	1	4.7	12	37	--
Gasoline Range Hydrocarbons	GRH	mg/kg	3.4	1.4	9.7	37	31
Residual Range Hydrocarbons	RRH	mg/kg	3.2	4.4	70	37	1
Dioxin/Furans							
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	pg/g	0.39	0.009	0.763	37	4
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	pg/g	0.27	0.006	0.189	37	--
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	pg/g	0.42	0.012	0.458	37	6
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	pg/g	0.30	0.007	0.741	37	6
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	pg/g	0.27	0.009	0.25	37	9
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	pg/g	0.37	0.007	0.367	37	2
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	pg/g	0.62	0.009	0.831	37	2
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	pg/g	0.28	0.008	0.381	37	22
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	pg/g	0.50	0.008	0.205	37	5
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	pg/g	0.25	0.005	0.257	37	11
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	pg/g	0.36	0.007	0.216	37	15
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	pg/g	0.29	0.007	0.427	37	3
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	pg/g	0.16	0.005	0.086	37	8
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	pg/g	0.09	0.017	0.734	37	19
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	pg/g	0.08	0.005	0.084	37	30
Heptachlorodibenzofuran homologs	38998-75-3	pg/g	--	0.009	0.367	37	--
Heptachlorodibenzo-p-dioxin homologs	37871-00-4	pg/g	--	0.006	0.189	37	--
Hexachlorodibenzofuran homologs	55684-94-1	pg/g	--	0.007	0.349	37	--
Hexachlorodibenzo-p-dioxin homologs	34465-46-8	pg/g	--	0.007	0.055	37	--
Octachlorodibenzofuran	39001-02-0	pg/g	4.04	0.018	1.842	37	2
Octachlorodibenzo-p-dioxin	3268-87-9	pg/g	1.55	0.018	0.216	37	--
Pentachlorodibenzofuran homologs	30402-15-4	pg/g	--	0.005	0.079	37	--
Pentachlorodibenzo-p-dioxin homologs	36088-22-9	pg/g	--	0.007	0.054	37	5
Tetrachlorodibenzofuran homologs	30402-14-3	pg/g	--	0.004	0.08	37	1
Tetrachlorodibenzo-p-dioxin homologs	41903-57-5	pg/g	--	0.005	0.04	37	4
PCB Aroclors							
Aroclor 1016	12674-11-2	ug/kg	0.25	1.6	95	37	37
Aroclor 1221	11104-28-2	ug/kg	0.5	1.7	34	37	37

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Aroclor 1232	11141-16-5	ug/kg	0.25	1.7	170	37	37
Aroclor 1242	53469-21-9	ug/kg	0.25	1.7	140	37	34
Aroclor 1248	12672-29-6	ug/kg	0.25	1.6	110	37	35
Aroclor 1254	11097-69-1	ug/kg	0.25	1.6	120	37	23
Aroclor 1260	11096-82-5	ug/kg	0.25	1.6	55	37	7
Aroclor 1262	37324-23-5	ug/kg	0.25	1.6	30	37	37
Aroclor 1268	11100-14-4	ug/kg	0.25	1.6	30	37	37
PCB congeners							
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	pg/g	0.2 -29	2.45	12.6	37	2
2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	33091-17-7	pg/g	0.2 -29	2.45	12.6	37	4
2,2',3,3',4,4',6-Heptachlorobiphenyl	52663-71-5	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	52663-75-9	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,5,5',6-Octachlorobiphenyl	68194-17-2	pg/g	0.2 -29	2.45	12.6	37	2
2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	52663-73-7	pg/g	0.2 -29	2.45	23.2	37	2
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,3',4,5',6'-Heptachlorobiphenyl	52663-70-4	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,5,6-Heptachlorobiphenyl	68194-16-1	pg/g	0.2 -29	2.45	12.6	37	4
2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,5-Hexachlorobiphenyl	55215-18-4	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	pg/g	0.2 -29	2.45	12.6	37	30
2,2',3,3',4-Pentachlorobiphenyl	52663-62-4	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3',5,6'-Hexachlorobiphenyl	52744-13-5	pg/g	0.2 -29	2.45	12.6	37	--

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,2',3,3',5-Pentachlorobiphenyl	60145-20-2	pg/g	0.2 -29	2.45	12.6	37	32
2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,3'-Tetrachlorobiphenyl	38444-93-8	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,4,4',5,5'-Heptachlorobiphenyl	35065-29-3	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9	pg/g	0.2 -29	2.45	12.6	37	34
2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2	pg/g	0.2 -29	2.45	12.6	37	16
2,2',3,4,4',5',6-Heptachlorobiphenyl	52663-69-1	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3	pg/g	0.2 -29	2.45	12.6	37	30
2,2',3,4,4',6'-Hexachlorobiphenyl	59291-64-4	pg/g	0.2 -29	2.45	12.6	37	4
2,2',3,4,5,5',6-Heptachlorobiphenyl	52712-05-7	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4	pg/g	0.2 -29	2.45	12.6	37	35
2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7	pg/g	0.2 -29	2.45	12.6	37	27
2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6	pg/g	0.2 -29	2.45	12.6	37	10
2,2',3,4',5,6-Hexachlorobiphenyl	68194-13-8	pg/g	0.2 -29	2.45	20.1	37	2
2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,4',5'-Pentachlorobiphenyl	41464-51-1	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,4,5-Pentachlorobiphenyl	55312-69-1	pg/g	0.2 -29	2.45	12.6	37	15
2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5	pg/g	0.2 -29	2.45	12.6	37	30
2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1	pg/g	0.2 -29	2.45	12.6	37	11
2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2	pg/g	0.2 -29	2.45	12.6	37	3
2,2',3,5,5',6-Hexachlorobiphenyl	52663-63-5	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2	pg/g	0.2 -29	2.45	12.6	37	20
2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0	pg/g	0.2 -29	2.45	12.6	37	2
2,2',3,5,6-Pentachlorobiphenyl	73575-56-1	pg/g	0.2 -29	2.45	12.6	37	37
2,2',3,5'-Tetrachlorobiphenyl	41464-39-5	pg/g	0.2 -29	2.45	12.6	37	--
2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9	pg/g	0.2 -29	2.45	12.6	37	3
2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	pg/g	0.2 -29	2.45	12.6	37	1
2,2',3,6-Tetrachlorobiphenyl	70362-45-7	pg/g	0.2 -29	2.45	12.6	37	1
2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1	pg/g	0.2 -29	2.45	12.6	37	--
2,2',4,4',5,6'-Hexachlorobiphenyl	60145-22-4	pg/g	0.2 -29	2.45	12.6	37	2
2,2',4,4',5-Pentachlorobiphenyl	38380-01-7	pg/g	0.2 -29	2.45	12.6	37	--
2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	pg/g	0.2 -29	2.45	12.6	37	31
2,2',4,4',6-Pentachlorobiphenyl	39485-83-1	pg/g	0.2 -29	2.45	12.6	37	1

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,2',4,4'-Tetrachlorobiphenyl	2437-79-8	pg/g	0.2 -29	2.45	12.6	37	--
2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	pg/g	0.2 -29	2.45	21.1	37	2
2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	pg/g	0.2 -29	2.45	12.6	37	24
2,2',4,6'-Tetrachlorobiphenyl	68194-04-7	pg/g	0.2 -29	2.45	12.6	37	--
2,2',4,6-Tetrachlorobiphenyl	62796-65-0	pg/g	0.2 -29	2.45	12.6	37	15
2,2',4-Trichlorobiphenyl	37680-66-3	pg/g	0.2 -29	2.45	12.6	37	--
2,2',5,6'-Tetrachlorobiphenyl	41464-41-9	pg/g	0.2 -29	2.45	12.6	37	--
2,2',5-Trichlorobiphenyl	37680-65-2	pg/g	0.2 -29	2.45	12.6	37	--
2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	pg/g	0.2 -29	2.45	12.6	37	5
2,2',6-Trichlorobiphenyl	38444-73-4	pg/g	0.2 -29	2.45	12.6	37	--
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	pg/g	0.2 -29	2.45	12.6	37	4
2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	pg/g	0.31	2.45	12.6	37	--
2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	pg/g	0.2 -29	2.45	12.6	37	--
2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7	pg/g	0.2 -29	2.45	12.6	37	3
2,3,3',4,4',5'-Hexachlorobiphenyl	69782-90-7	pg/g	0.47	2.45	12.6	37	--
2,3,3',4,4',5-Hexachlorobiphenyl	38380-08-4	pg/g	0.88	2.45	12.6	37	--
2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	pg/g	0.68	2.45	12.6	37	--
2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8	pg/g	0.2 -29	2.45	12.6	37	36
2,3,3',4',5,5',6-Heptachlorobiphenyl	69782-91-8	pg/g	0.2 -29	2.45	12.6	37	1
2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3	pg/g	0.2 -29	2.45	12.6	37	2
2,3,3',4',5'-Pentachlorobiphenyl	76842-07-4	pg/g	0.2 -29	2.45	12.6	37	4
2,3,3',4',6-Pentachlorobiphenyl	38380-03-9	pg/g	0.2 -29	2.45	12.6	37	--
2,3,3',4-Tetrachlorobiphenyl	74338-24-2	pg/g	0.2 -29	2.45	12.6	37	8
2,3,3',5',6-Pentachlorobiphenyl	68194-10-5	pg/g	0.2 -29	2.45	12.6	37	9
2,3,3',5'-Tetrachlorobiphenyl	41464-49-7	pg/g	0.2 -29	2.45	12.6	37	20
2,3,3',5-Tetrachlorobiphenyl	70424-67-8	pg/g	0.2 -29	2.45	12.6	37	15
2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	pg/g	0.25	2.45	12.6	37	--
2,3,4,4',5,6-Hexachlorobiphenyl	41411-63-6	pg/g	0.2 -29	2.45	12.6	37	13
2,3',4,4',5',6-Hexachlorobiphenyl	59291-65-5	pg/g	0.2 -29	2.45	12.6	37	19
2,3',4,4',5'-Pentachlorobiphenyl	65510-44-3	pg/g	1.00	2.45	12.6	37	--
2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	pg/g	0.64	2.45	12.6	37	--
2,3',4,4',6-Pentachlorobiphenyl	56558-17-9	pg/g	0.2 -29	2.45	12.6	37	1
2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7	pg/g	0.2 -29	2.45	12.6	37	13
2,3',4',5,5'-Pentachlorobiphenyl	70424-70-3	pg/g	0.2 -29	2.45	12.6	37	1
2,3',4,5',6-Pentachlorobiphenyl	56558-18-0	pg/g	0.2 -29	2.45	12.6	37	36

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	pg/g	0.2 -29	2.45	12.6	37	3
2,3',4,5-Tetrachlorobiphenyl	73575-53-8	pg/g	0.2 -29	2.45	12.6	37	2
2,3,4',5-Tetrachlorobiphenyl	74472-34-7	pg/g	0.2 -29	2.45	12.6	37	1
2,3,4,6-Tetrachlorobiphenyl	54230-22-7	pg/g	0.2 -29	2.45	12.6	37	35
2,3',4-Trichlorobiphenyl	55712-37-3	pg/g	0.2 -29	2.45	12.6	37	1
2,3,4'-Trichlorobiphenyl	38444-85-8	pg/g	0.2 -29	2.45	12.6	37	--
2,3,5,6-Tetrachlorobiphenyl	33284-54-7	pg/g	0.2 -29	2.45	12.6	37	35
2,3',5',6-Tetrachlorobiphenyl	74338-23-1	pg/g	0.2 -29	2.45	12.6	37	34
2,3',5'-Trichlorobiphenyl	37680-68-5	pg/g	0.2 -29	2.45	12.6	37	23
2,3,5-Trichlorobiphenyl	55720-44-0	pg/g	0.2 -29	2.45	12.6	37	33
2,3',5-Trichlorobiphenyl	38444-81-4	pg/g	0.2 -29	2.45	12.6	37	3
2,3'-Dichlorobiphenyl	25569-80-6	pg/g	0.2 -29	4.89	30.6	37	15
2,4,4',5-Tetrachlorobiphenyl	32690-93-0	pg/g	0.2 -29	2.45	12.6	37	--
2,4,4'-Trichlorobiphenyl	7012-37-5	pg/g	0.2 -29	2.45	12.6	37	--
2,4,5-Trichlorobiphenyl	15862-07-4	pg/g	0.2 -29	2.45	12.6	37	26
2,4',5-Trichlorobiphenyl	16606-02-3	pg/g	0.2 -29	2.45	12.6	37	--
2,4,6-Trichlorobiphenyl	35693-92-6	pg/g	0.2 -29	2.45	12.6	37	33
2-Chlorobiphenyl	2051-60-7	pg/g	0.2 -29	2.45	12.6	37	3
3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	pg/g	0.36	0.449	3.1	37	37
3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	pg/g	0.33	0.723	12.6	37	1
3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	pg/g	0.94	2.45	12.6	37	--
3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1	pg/g	0.2 -29	2.45	12.6	37	37
3,3',4,5'-Tetrachlorobiphenyl	41464-48-6	pg/g	0.2 -29	2.45	12.6	37	3
3,3',4,5-Tetrachlorobiphenyl	70362-49-1	pg/g	0.2 -29	2.45	12.6	37	37
3,3',4-Trichlorobiphenyl	37680-69-6	pg/g	0.2 -29	2.45	12.6	37	4
3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	pg/g	0.2 -29	2.45	12.6	37	37
3,3',5-Trichlorobiphenyl	38444-87-0	pg/g	0.2 -29	2.45	12.6	37	34
3,3'-Dichlorobiphenyl	2050-67-1	pg/g	0.2 -29	4.89	42.8	37	3
3,4,4',5-Tetrachlorobiphenyl	70362-50-4	pg/g	0.65	0.523	12.6	37	1
3,4,4'-Trichlorobiphenyl	38444-90-5	pg/g	0.2 -29	2.45	12.6	37	--
3,4,5-Trichlorobiphenyl	53555-66-1	pg/g	0.2 -29	2.45	12.6	37	10
3,4',5-Trichlorobiphenyl	38444-88-1	pg/g	0.2 -29	2.45	12.6	37	28
3,5-Dichlorobiphenyl	34883-41-5	pg/g	0.2 -29	4.89	25.1	37	37
3-Chlorobiphenyl	2051-61-8	pg/g	0.2 -29	2.45	12.6	37	4
4,4'-Dichlorobiphenyl	2050-68-2	pg/g	0.2 -29	4.89	25.1	37	1

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
4-Chlorobiphenyl	2051-62-9	pg/g	0.2 -29	2.45	12.6	37	3
Dichlorobiphenyl	25512-42-9	pg/g	0.2 -29	4.89	25.1	37	1
Heptachlorobiphenyl	28655-71-2	pg/g	0.2 -29	2.45	12.6	37	--
Hexachlorobiphenyl	26601-64-9	pg/g	0.2 -29	2.45	12.6	37	--
Monochlorobiphenyl	27323-18-8	pg/g	0.2 -29	2.45	12.6	37	2
Nonachlorobiphenyl	53742-07-7	pg/g	0.2 -29	2.45	12.6	37	--
Octachlorobiphenyl	55722-26-4	pg/g	0.2 -29	2.45	12.6	37	--
Pentachlorobiphenyl	25429-29-2	pg/g	0.2 -29	2.45	12.6	37	--
Tetrachlorobiphenyl	26914-33-0	pg/g	0.2 -29	2.45	12.6	37	--
Trichlorobiphenyl	25323-68-6	pg/g	0.2 -29	2.45	12.6	37	--
PCB004 & 010	PCB004_010	pg/g	0.2 -29	4.89	44.3	37	11
PCB005 & 008	PCB005_008	pg/g	0.2 -29	4.89	25.1	37	2
PCB007 & 009	PCB007_009	pg/g	0.2 -29	4.89	61.9	37	30
PCB012 & 013	PCB012_013	pg/g	0.2 -29	4.89	37.1	37	24
PCB016 & 032	PCB016_032	pg/g	0.2 -29	2.45	12.6	37	--
PCB020 & 021 & 033	PCB020_021_033	pg/g	0.2 -29	2.45	12.6	37	--
PCB024 & 027	PCB024_027	pg/g	0.2 -29	2.45	12.6	37	1
PCB041 & 064 &071 &072	PCB041_064_071_	pg/g	0.2 -29	2.45	12.6	37	--
PCB042 & 059	PCB042_059	pg/g	0.2 -29	2.45	12.6	37	--
PCB043 & 049	PCB043_049	pg/g	0.2 -29	2.45	12.6	37	--
PCB048 & 075	PCB048_075	pg/g	0.2 -29	2.45	12.6	37	--
PCB052 & 069	PCB052_069	pg/g	0.2 -29	2.45	12.6	37	--
PCB056 & 060	PCB056_060	pg/g	0.2 -29	2.45	12.6	37	--
PCB061 & 070	PCB061_070	pg/g	0.2 -29	2.45	12.6	37	--
PCB066 & 076	PCB066_076	pg/g	0.2 -29	2.45	12.6	37	--
PCB084 & 092	PCB084_092	pg/g	0.2 -29	2.45	12.6	37	--
PCB085 & 116	PCB085_116	pg/g	0.2 -29	2.45	12.6	37	--
PCB087 & 117 & 125	PCB087_117_125	pg/g	0.2 -29	2.45	12.6	37	--
PCB088 & 091	PCB088_091	pg/g	0.2 -29	2.45	12.6	37	--
PCB090 & 101	PCB090_101	pg/g	0.2 -29	2.45	12.6	37	--
PCB095 & 098 & 102	PCB095_098_102	pg/g	0.2 -29	2.45	12.6	37	--
PCB106 & 118	PCB106_118	pg/g	2.4	2.45	12.6	37	--
PCB107 & 109	PCB107_109	pg/g	0.2 -29	2.45	12.6	37	1
PCB108 & 112	PCB108_112	pg/g	0.2 -29	2.45	12.6	37	1
PCB111 & 115	PCB111_115	pg/g	0.2 -29	2.45	12.6	37	2

Table B-7a. Reported Detection Limits - Benthic Sediment Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
PCB128 & 162	PCB128_162	pg/g	0.2 -29	2.45	12.6	37	--
PCB132 & 161	PCB132_161	pg/g	0.2 -29	2.45	12.6	37	--
PCB133 & 142	PCB133_142	pg/g	0.2 -29	2.45	12.6	37	1
PCB134 & 143	PCB134_143	pg/g	0.2 -29	2.45	12.6	37	--
PCB138 & 163 & 164	PCB138_163_164	pg/g	0.2 -29	2.45	12.6	37	--
PCB139 & 149	PCB139_149	pg/g	0.2 -29	2.45	12.6	37	--
PCB146 & 165	PCB146_165	pg/g	0.2 -29	2.45	12.6	37	--
PCB158 & 160	PCB158_160	pg/g	0.2 -29	2.45	12.6	37	--
PCB182 & 187	PCB182_187	pg/g	0.2 -29	2.45	12.6	37	--
PCB196 & 203	PCB196_203	pg/g	0.2 -29	2.45	12.6	37	--
Total PCB Congeners	1336-36-3	pg/g	--	0	0	37	--

Notes:

[a] Sediment method detection limits are listed on a dry weight basis.

[b] QAPP method detection limits were listed for EPA 8081A only.

[c] Toxaphene method detection limit from EPA 8081A as per QAPP.

[d] QAPP method detection limit from EPA 8260B.

[e] QAPP method detection limit from EPA 8270-SIM.

[f] Data reported for this analyte are a co-elution of 2,3,5,6-Tetrachlorophenol and 2,3,4,6-Tetrachlorophenol, which can not be separated by this method.

Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Metals							
Aluminum	7429-90-5	mg/kg	0.06	0.2	1.3	100	--
Antimony	7440-36-0	mg/kg	0.0016	0.0004	0.009	100	54
Arsenic	7440-38-2	mg/kg	0.006	0.002	0.016	100	--
Cadmium	7440-43-9	mg/kg	0.0012	0.0002	0.0013	100	--
Chromium	7440-47-3	mg/kg	0.1	0.01	0.09	100	--
Copper	7440-50-8	mg/kg	0.018	0.001	0.006	100	--
Lead	7439-92-1	mg/kg	0.0014	0.001	0.006	100	--
Mercury	7439-97-6	mg/kg	0.0004	0.0005	0.002	96	--
Nickel	7440-02-0	mg/kg	0.006	0.001	0.006	100	--
Selenium	7782-49-2	mg/kg	0.2	0.002	0.02	100	--
Silver	7440-22-4	mg/kg	0.0008	0.0001	0.0006	100	--
Zinc	7440-66-6	mg/kg	0.012	0.02	0.2	100	--
Butyltins							
Monobutyltin	78763-54-9	ug/kg	0.38	0.061	31	97	26
Dibutyltin	14488-53-0	ug/kg	0.35	0.042	2.1	97	29
Tributyltin	1461-25-2	ug/kg	0.33	0.067	3.4	97	86
Tetrabutyltin	36643-28-4	ug/kg	0.38	0.027	15	97	52
Conventionals							
Lipids	66455-18-3	percent	0.1	--	--	104	--
Total solids	TSO	percent	--	--	--	100	--
Semivolatile Organic Compounds							
1,2,4-Trichlorobenzene	120-82-1	ug/kg	9.9	9.9	26	100	100
1,2-Dichlorobenzene	95-50-1	ug/kg	12	12	32	100	100
1,3-Dichlorobenzene	541-73-1	ug/kg	11	11	29	100	100
1,4-Dichlorobenzene	106-46-7	ug/kg	11	11	29	100	100
2,4-Dimethylphenol	105-67-9	ug/kg	13	13	35	100	100
2-Methylphenol	95-48-7	ug/kg	53	53	140	100	65
4-Methylphenol	106-44-5	ug/kg	15	15	40	100	65
Benzyl alcohol	100-51-6	ug/kg	6.7	6.7	140	100	10
Hexachlorobenzene	118-74-1	ug/kg	0.01	0.0000089	16	203	101
Hexachlorobutadiene	87-68-3	ug/kg	---	0.000056	23	144	130

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Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
Hexachloroethane	67-72-1	ug/kg	8.5	8.5	23	100	100
N-Nitrosodiphenylamine	86-30-6	ug/kg	9.5	9.5	25	100	96
Pentachlorophenol	87-86-5	ug/kg	31	31	31	36	36
Phenol	108-95-2	ug/kg	17	17	45	100	72
Phthalate Esters							
Bis(2-ethylhexyl) phthalate	117-81-7	ug/kg	53	53	530	100	51
Butylbenzyl phthalate	85-68-7	ug/kg	14	14	37	100	100
Diethyl phthalate	84-66-2	ug/kg	9.4	9.4	49	100	90
Dimethyl phthalate	131-11-3	ug/kg	5.1	5.1	14	100	98
Di-n-butyl-phthalate	84-74-2	ug/kg	16	16	350	100	95
Di-n-octyl phthalate	117-84-0	ug/kg	13	13	640	100	100
Polycyclic Aromatic Hydrocarbons							
2-Methylnaphthalene	91-57-6	ug/kg	0.15	0.15	1.5	101	31
Acenaphthene	83-32-9	ug/kg	0.074	0.091	0.91	101	5
Acenaphthylene	208-96-8	ug/kg	0.05	0.092	0.92	101	18
Anthracene	120-12-7	ug/kg	0.055	0.08	0.8	101	--
Benz(a)anthracene	56-55-3	ug/kg	0.054	0.12	6	101	--
Benzo(a)pyrene	50-32-8	ug/kg	0.076	0.12	6	101	2
Benzo(b)fluoranthene	205-99-2	ug/kg	0.045	0.15	7.5	101	6
Benzo(g,h,i)perylene	191-24-2	ug/kg	0.097	0.17	1.7	101	8
Benzo(k)fluoranthene	207-08-9	ug/kg	0.081	0.13	6.5	101	8
Chrysene	218-01-9	ug/kg	0.08	0.19	9.5	101	--
Dibenz(a,h)anthracene	53-70-3	ug/kg	0.079	0.11	1.1	101	57
Dibenzofuran	132-64-9	ug/kg	--	0.071	0.71	101	5
Fluoranthene	206-44-0	ug/kg	0.053	0.36	18	101	--
Fluorene	86-73-7	ug/kg	0.054	0.088	0.88	101	--
Indeno(1,2,3-cd)pyrene	193-39-5	ug/kg	0.073	0.16	1.6	101	34
Naphthalene	91-20-3	ug/kg	0.26	0.19	3.2	101	90
Phenanthrene	85-01-8	ug/kg	0.066	0.18	9	101	--
Pyrene	129-00-0	ug/kg	0.07	0.28	14	101	--
Organochlorine Pesticides							
2,4'-DDD	53-19-0	ug/kg	0.01	0.00204	0.444	103	--
2,4'-DDE	3424-82-6	ug/kg	0.01	0.00169	0.151	103	6

Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,4'-DDT	789-02-6	ug/kg	0.01	0.00292	4.27	103	22
4,4'-DDD	72-54-8	ug/kg	0.01	0.00322	0.757	103	--
4,4'-DDE	72-55-9	ug/kg	0.01	0.00229	0.397	103	--
4,4'-DDT	50-29-3	ug/kg	0.01	0.00344	0.811	103	5
Aldrin	309-00-2	ug/kg	0.02	0.0000248	0.175	103	8
alpha -Chlordane	5103-71-9	ug/kg	0.01	0.0017	0.0749	103	1
alpha -HCH	319-84-6	ug/kg	0.02	0.000463	1.06	103	51
beta -HCH	319-85-7	ug/kg	0.02	0.000622	0.698	101	86
cis -Nonachlor	5103-73-1	ug/kg	0.01	0.0016	0.0465	103	--
delta -HCH	319-86-8	ug/kg	0.02	0.000634	0.304	103	89
Dieldrin	60-57-1	ug/kg	0.1	0.000193	0.0188	103	--
Endosulfan I	959-98-8	ug/kg	0.1	0.00269	0.437	103	55
Endosulfan II	33213-65-9	ug/kg	0.1	0.00221	0.622	103	50
Endosulfan sulfate	1031-07-8	ug/kg	0.1	0.00118	0.394	103	19
Endrin	72-20-8	ug/kg	0.1	0.000465	0.0536	103	70
Endrin aldehyde	7421-93-4	ug/kg	0.1	0.000692	0.319	103	103
Endrin ketone	53494-70-5	ug/kg	0.1	0.000889	0.664	103	83
gamma -Chlordane	5103-74-2	ug/kg	0.01	0.00146	0.0319	103	1
gamma -HCH	58-89-9	ug/kg	0.02	0.000541	0.511	103	31
Heptachlor	76-44-8	ug/kg	0.02	0.0000481	0.0607	103	44
Heptachlor epoxide	1024-57-3	ug/kg	0.02	0.0000921	0.0502	103	5
Methoxychlor	72-43-5	ug/kg	0.5	0.004	0.486	103	101
Oxychlordane	27304-13-8	ug/kg	0.02	0.000107	1.13	103	23
trans -Nonachlor	39765-80-5	ug/kg	0.01	0.00184	0.0377	103	--
Dioxin/Furans							
Heptachlorodibenzofuran homologs	38998-75-3	pg/g	–	0.0463	0.833	101	5
Heptachlorodibenzo-p-dioxin homologs	37871-00-4	pg/g	–	0.0463	0.833	101	--
Hexachlorodibenzofuran homologs	55684-94-1	pg/g	–	0.0463	0.833	101	--
Hexachlorodibenzo-p-dioxin homologs	34465-46-8	pg/g	–	0.0469	0.833	101	2
Octachlorodibenzofuran	39001-02-0	pg/g	0.41	0.0463	1.12	101	21
Octachlorodibenzo-p-dioxin	3268-87-9	pg/g	0.73	0.0469	1.41	101	--
Pentachlorodibenzofuran homologs	30402-15-4	pg/g	–	0.0463	0.833	101	1
Pentachlorodibenzo-p-dioxin homologs	36088-22-9	pg/g	–	0.0463	1.96	101	12
Tetrachlorodibenzofuran homologs	30402-14-3	pg/g	–	0.0469	1.65	101	--
Tetrachlorodibenzo-p-dioxin homologs	41903-57-5	pg/g	–	0.0463	0.833	101	3
1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	pg/g	0.10	0.0463	1.51	101	38

Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	pg/g	0.16	0.0469	1.09	101	10
1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	pg/g	0.12	0.0463	2.2	101	71
1,2,3,4,7,8-Hexachlorodibenzofuran	70648-26-9	pg/g	0.09	0.0463	1.82	101	26
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	39227-28-6	pg/g	0.14	0.0469	2.77	101	44
1,2,3,6,7,8-Hexachlorodibenzofuran	57117-44-9	pg/g	0.08	0.0463	1.57	101	56
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	57653-85-7	pg/g	0.09	0.0469	0.833	101	16
1,2,3,7,8,9-Hexachlorodibenzofuran	72918-21-9	pg/g	0.12	0.0493	2.22	101	91
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	19408-74-3	pg/g	0.08	0.0477	0.839	101	37
1,2,3,7,8-Pentachlorodibenzofuran	57117-41-6	pg/g	0.12	0.0463	2.27	101	33
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	40321-76-4	pg/g	0.10	0.0463	1.96	101	40
2,3,4,6,7,8-Hexachlorodibenzofuran	60851-34-5	pg/g	0.10	0.0463	1.84	101	52
2,3,4,7,8-Pentachlorodibenzofuran	57117-31-4	pg/g	0.09	0.0463	1.67	101	31
2,3,7,8-Tetrachlorodibenzofuran	51207-31-9	pg/g	0.03	0.0469	1.32	101	16
2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6	pg/g	0.03	0.0463	1.05	101	60
PCB Aroclors							
Aroclor 1016	12674-11-2	pg/g	--[c]	0.357	94.3	103	103
Aroclor 1221	11104-28-2	pg/g	--	0.153	23.6	103	103
Aroclor 1232	11141-16-5	pg/g	--	0.206	24.9	103	103
Aroclor 1242	53469-21-9	pg/g	--	0.397	105	103	3
Aroclor 1248	12672-29-6	pg/g	--	1.31	2630	103	100
Aroclor 1254	11097-69-1	pg/g	--	1.12	915	103	3
Aroclor 1260	11096-82-5	pg/g	--	0.24	37.2	103	--
PCB congeners							
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	2051-24-3	pg/g	0.24 - 6.68	0.0077	0.833	103	--
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	40186-72-9	pg/g	0.24 - 6.68	0.0593	18.8	103	--
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7	pg/g	0.24 - 6.68	0.048	8.63	103	--
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	52663-79-3	pg/g	0.24 - 6.68	0.0494	15.2	103	--
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	42740-50-1	pg/g	0.24 - 6.68	0.0182	0.833	103	--
2,2',3,3',4,4',5,6-Octachlorobiphenyl	52663-78-2	pg/g	0.24 - 6.68	0.048	9.28	103	--
2,2',3,3',4,4',5-Heptachlorobiphenyl	35065-30-6	pg/g	0.24 - 6.68	0.048	7.44	103	--
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	52663-77-1	pg/g	0.24 - 6.68	0.0494	17.2	103	--
2,2',3,3',4,5,5'-Heptachlorobiphenyl	52663-74-8	pg/g	0.24 - 6.68	0.048	7.47	103	--
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	40186-71-8	pg/g	0.24 - 6.68	0.0131	0.833	103	--
2,2',3,3',4,5',6'-Heptachlorobiphenyl	52663-70-4	pg/g	0.24 - 6.68	0.048	7.04	103	--

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Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,2',3,3',4,5',6-Heptachlorobiphenyl	40186-70-7	pg/g	0.24 - 6.68	0.048	6.54	103	--
2,2',3,3',4,5,6'-Heptachlorobiphenyl	38411-25-5	pg/g	0.24 - 6.68	0.048	6.82	103	--
2,2',3,3',4,5'-Hexachlorobiphenyl	52663-66-8	pg/g	0.24 - 6.68	0.138	304	103	--
2,2',3,3',4,6,6'-Heptachlorobiphenyl	52663-65-7	pg/g	0.24 - 6.68	0.048	4.77	103	--
2,2',3,3',4,6'-Hexachlorobiphenyl	38380-05-1	pg/g	0.24 - 6.68	0.134	1010	103	--
2,2',3,3',4,6-Hexachlorobiphenyl	61798-70-7	pg/g	0.24 - 6.68	0.129	274	103	--
2,2',3,3',4-Pentachlorobiphenyl	52663-62-4	pg/g	0.24 - 6.68	0.149	54	103	--
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	2136-99-4	pg/g	0.24 - 6.68	0.0143	2.2	103	--
2,2',3,3',5,5',6-Heptachlorobiphenyl	52663-67-9	pg/g	0.24 - 6.68	0.048	6.84	103	--
2,2',3,3',5,5'-Hexachlorobiphenyl	35694-04-3	pg/g	0.24 - 6.68	0.129	276	103	--
2,2',3,3',5,6,6'-Heptachlorobiphenyl	52663-64-6	pg/g	0.24 - 6.68	0.048	4.65	103	--
2,2',3,3',6,6'-Hexachlorobiphenyl	38411-22-2	pg/g	0.24 - 6.68	0.0411	1.84	103	--
2,2',3,3',6-Pentachlorobiphenyl	52663-60-2	pg/g	0.24 - 6.68	0.149	117	103	--
2,2',3,4,4',5,5',6-Octachlorobiphenyl	52663-76-0	pg/g	0.24 - 6.68	0.0175	2.64	103	--
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	74472-52-9	pg/g	0.24 - 6.68	0.0469	30	103	43
2,2',3,4,4',5,6'-Heptachlorobiphenyl	60145-23-5	pg/g	0.24 - 6.68	0.048	46.9	103	28
2,2',3,4,4',5,6-Heptachlorobiphenyl	74472-47-2	pg/g	0.24 - 6.68	0.048	6.92	103	1
2,2',3,4,4',5-Hexachlorobiphenyl	35694-06-5	pg/g	0.24 - 6.68	0.132	290	103	2
2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3	pg/g	0.24 - 6.68	0.0484	11.7	103	10
2,2',3,4',5,5',6-Heptachlorobiphenyl	52663-68-0	pg/g	0.24 - 6.68	0.048	6.46	103	--
2,2',3,4,5,5'-Hexachlorobiphenyl	52712-04-6	pg/g	0.24 - 6.68	0.114	902	103	--
2,2',3,4',5,5'-Hexachlorobiphenyl	51908-16-8	pg/g	0.24 - 6.68	0.108	824	103	--
2,2',3,4,5,6,6'-Heptachlorobiphenyl	74472-49-4	pg/g	0.24 - 6.68	0.0505	11.9	103	81
2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7	pg/g	0.24 - 6.68	0.0484	4.16	103	11
2,2',3,4',5,6'-Hexachlorobiphenyl	74472-41-6	pg/g	0.24 - 6.68	0.048	2.54	103	2
2,2',3,4,5,6-Hexachlorobiphenyl	41411-61-4	pg/g	0.24 - 6.68	0.351	279	103	94
2,2',3,4,5',6-Hexachlorobiphenyl	68194-14-9	pg/g	0.24 - 6.68	0.048	2.5	103	--
2,2',3,4,6,6'-Hexachlorobiphenyl	74472-40-5	pg/g	0.24 - 6.68	0.0432	18.2	103	27
2,2',3,4',6,6'-Hexachlorobiphenyl	68194-08-1	pg/g	0.24 - 6.68	0.0415	1.87	103	1
2,2',3,4,6'-Pentachlorobiphenyl	73575-57-2	pg/g	0.24 - 6.68	0.142	51	103	--
2,2',3,4'-Tetrachlorobiphenyl	36559-22-5	pg/g	0.24 - 6.68	0.048	7.6	103	--
2,2',3,5,5'-Pentachlorobiphenyl	52663-61-3	pg/g	0.24 - 6.68	0.139	109	103	--
2,2',3,5,6,6'-Hexachlorobiphenyl	68194-09-2	pg/g	0.24 - 6.68	0.0395	1.75	103	3
2,2',3,5,6'-Pentachlorobiphenyl	73575-55-0	pg/g	0.24 - 6.68	0.146	111	103	1
2,2',3,5-Tetrachlorobiphenyl	70362-46-8	pg/g	0.24 - 6.68	0.048	2.22	103	1

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Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,2',3,6,6'-Pentachlorobiphenyl	73575-54-9	pg/g	0.24 - 6.68	0.0469	3.22	103	1
2,2',3,6'-Tetrachlorobiphenyl	41464-47-5	pg/g	0.24 - 6.68	0.048	2.16	103	--
2,2',3-Trichlorobiphenyl	38444-78-9	pg/g	0.24 - 6.68	0.0484	3.29	103	--
2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	pg/g	0.24 - 6.68	0.038	4.16	103	5
2,2',4,5',6-Pentachlorobiphenyl	60145-21-3	pg/g	0.24 - 6.68	0.12	90.5	103	--
2,2',4,5-Tetrachlorobiphenyl	70362-47-9	pg/g	0.24 - 6.68	0.048	1.91	103	--
2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	pg/g	0.24 - 6.68	0.048	3.57	103	6
2,2',4-Trichlorobiphenyl	37680-66-3	pg/g	0.24 - 6.68	0.0484	6.36	103	--
2,2',5,5'-Tetrachlorobiphenyl	35693-99-3	pg/g	0.24 - 6.68	0.048	12.1	103	--
2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	pg/g	0.24 - 6.68	0.048	11.2	103	1
2,2',6-Trichlorobiphenyl	38444-73-4	pg/g	0.24 - 6.68	0.0484	7.34	101	--
2,2'-Dichlorobiphenyl	13029-08-8	pg/g	0.24 - 6.68	0.177	75.2	99	--
2,3,3',4,4',5,5',6-Octachlorobiphenyl	74472-53-0	pg/g	0.24 - 6.68	0.048	6.78	103	--
2,3,3',4,4',5,5'-Heptachlorobiphenyl	39635-31-9	pg/g	0.33	0.0539	5.42	103	8
2,3,3',4,4',5,6-Heptachlorobiphenyl	41411-64-7	pg/g	0.24 - 6.68	0.048	5.52	103	--
2,3,3',4,4',5',6-Heptachlorobiphenyl	74472-50-7	pg/g	0.24 - 6.68	0.048	5.33	103	--
2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7	pg/g	0.24 - 6.68	0.0847	668	103	--
2,3,3',4,4'-Pentachlorobiphenyl	32598-14-4	pg/g	0.36	0.278	345	103	--
2,3,3',4,5,5',6-Heptachlorobiphenyl	74472-51-8	pg/g	0.24 - 6.68	1.39	27.6	103	103
2,3,3',4,5,5'-Hexachlorobiphenyl	39635-35-3	pg/g	0.24 - 6.68	0.0936	210	103	13
2,3,3',4',5,5'-Hexachlorobiphenyl	39635-34-2	pg/g	0.24 - 6.68	0.0963	215	103	3
2,3,3',4,5',6-Hexachlorobiphenyl	74472-43-8	pg/g	0.24 - 6.68	0.633	195	103	103
2,3,3',4',5',6-Hexachlorobiphenyl	74472-45-0	pg/g	0.24 - 6.68	0.0907	709	103	--
2,3,3',4',5'-Pentachlorobiphenyl	76842-07-4	pg/g	0.24 - 6.68	0.305	48.5	103	5
2,3,3',4,5-Pentachlorobiphenyl	70424-69-0	pg/g	0.24 - 6.68	0.683	43.5	103	100
2,3,3',4,6-Pentachlorobiphenyl	74472-35-8	pg/g	0.24 - 6.68	0.252	43.4	103	--
2,3,3',4'-Tetrachlorobiphenyl	41464-43-1	pg/g	0.24 - 6.68	0.243	444	103	--
2,3,3',4-Tetrachlorobiphenyl	74338-24-2	pg/g	0.24 - 6.68	0.265	67.5	103	49
2,3,3',5,5',6-Hexachlorobiphenyl	74472-46-1	pg/g	0.24 - 6.68	0.103	228	103	30
2,3,3',5,5'-Pentachlorobiphenyl	39635-32-0	pg/g	0.24 - 6.68	0.101	37.7	103	15
2,3,3',5,6-Pentachlorobiphenyl	74472-36-9	pg/g	0.24 - 6.68	0.598	78.4	103	100
2,3,3',5'-Tetrachlorobiphenyl	41464-49-7	pg/g	0.24 - 6.68	0.261	67.8	103	30
2,3,3',5-Tetrachlorobiphenyl	70424-67-8	pg/g	0.24 - 6.68	0.225	64.7	103	9
2,3',4,4',5,5'-Hexachlorobiphenyl	52663-72-6	pg/g	0.29	0.0916	199	103	--
2,3',4,4',5'-Pentachlorobiphenyl	65510-44-3	pg/g	0.68	0.292	48.6	103	1

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Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
2,3,4,4',5-Pentachlorobiphenyl	74472-37-0	pg/g	0.33	0.274	44.6	103	--
2,3',4,4',5-Pentachlorobiphenyl	31508-00-6	pg/g	0.40	0.267	289	103	--
2,3,4,4'-Tetrachlorobiphenyl	33025-41-1	pg/g	0.24 - 6.68	0.242	470	103	--
2,3',4,4'-Tetrachlorobiphenyl	32598-10-0	pg/g	0.24 - 6.68	0.215	431	103	--
2,3',4,5,5'-Pentachlorobiphenyl	68194-12-7	pg/g	0.24 - 6.68	0.0976	35.9	103	--
2,3',4,5',6-Pentachlorobiphenyl	56558-18-0	pg/g	0.24 - 6.68	0.103	36.5	103	16
2,3',4,5'-Tetrachlorobiphenyl	73575-52-7	pg/g	0.24 - 6.68	0.207	66.4	103	2
2,3',4,5-Tetrachlorobiphenyl	73575-53-8	pg/g	0.24 - 6.68	0.201	57.7	103	--
2,3,4',5-Tetrachlorobiphenyl	74472-34-7	pg/g	0.24 - 6.68	0.22	62.8	103	--
2,3,4',6-Tetrachlorobiphenyl	52663-58-8	pg/g	0.24 - 6.68	0.048	5.38	103	--
2,3',4-Trichlorobiphenyl	55712-37-3	pg/g	0.24 - 6.68	0.0726	12.1	103	--
2,3,4'-Trichlorobiphenyl	38444-85-8	pg/g	0.24 - 6.68	0.0862	14.8	103	--
2,3',5,5'-Tetrachlorobiphenyl	41464-42-0	pg/g	0.24 - 6.68	0.209	65.4	103	1
2,3',5',6-Tetrachlorobiphenyl	74338-23-1	pg/g	0.24 - 6.68	0.0491	30.5	103	48
2,3',5'-Trichlorobiphenyl	37680-68-5	pg/g	0.24 - 6.68	0.0837	14.3	103	2
2,3,5-Trichlorobiphenyl	55720-44-0	pg/g	0.24 - 6.68	0.0858	14.3	103	21
2,3,6-Trichlorobiphenyl	55702-45-9	pg/g	0.24 - 6.68	0.0435	4.2	103	21
2,3',6-Trichlorobiphenyl	38444-76-7	pg/g	0.24 - 6.68	0.041	4.55	103	--
2,3'-Dichlorobiphenyl	25569-80-6	pg/g	0.24 - 6.68	0.107	17.4	103	--
2,3-Dichlorobiphenyl	16605-91-7	pg/g	0.24 - 6.68	0.117	19.2	103	7
2,4',5-Trichlorobiphenyl	16606-02-3	pg/g	0.24 - 6.68	0.0768	31	103	--
2,4',6-Trichlorobiphenyl	38444-77-8	pg/g	0.24 - 6.68	0.0834	65.9	103	--
2,4'-Dichlorobiphenyl	34883-43-7	pg/g	0.24 - 6.68	0.101	16.8	103	--
2,4-Dichlorobiphenyl	33284-50-3	pg/g	0.24 - 6.68	0.108	17.6	103	1
2,5-Dichlorobiphenyl	34883-39-1	pg/g	0.24 - 6.68	0.105	17	103	--
2,6-Dichlorobiphenyl	33146-45-1	pg/g	0.24 - 6.68	0.107	17.6	103	--
2-Chlorobiphenyl	2051-60-7	pg/g	0.24 - 6.68	0.0513	4.08	93	--
3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6	pg/g	0.37	0.155	234	103	101
3,3',4,4',5-Pentachlorobiphenyl	57465-28-8	pg/g	0.45	0.306	77.7	103	9
3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	pg/g	0.38	0.221	66.3	103	--
3,3',4,5,5'-Pentachlorobiphenyl	39635-33-1	pg/g	0.24 - 6.68	0.281	48.3	103	41
3,3',4,5'-Tetrachlorobiphenyl	41464-48-6	pg/g	0.24 - 6.68	0.202	54.1	103	--
3,3',4,5-Tetrachlorobiphenyl	70362-49-1	pg/g	0.24 - 6.68	1.14	65	103	103
3,3',4-Trichlorobiphenyl	37680-69-6	pg/g	0.24 - 6.68	0.0842	44.1	103	1
3,3',5,5'-Tetrachlorobiphenyl	33284-52-5	pg/g	0.24 - 6.68	0.226	58.5	103	86

Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
3,3',5-Trichlorobiphenyl	38444-87-0	pg/g	0.24 - 6.68	0.0765	13.6	103	20
3,3'-Dichlorobiphenyl	2050-67-1	pg/g	0.24 - 6.68	0.114	19.9	103	--
3,4,4',5-Tetrachlorobiphenyl	70362-50-4	pg/g	0.34	0.248	63.8	103	33
3,4,4'-Trichlorobiphenyl	38444-90-5	pg/g	0.24 - 6.68	0.0727	14.6	103	--
3,4,5-Trichlorobiphenyl	53555-66-1	pg/g	0.24 - 6.68	0.0766	13.8	103	47
3,4',5-Trichlorobiphenyl	38444-88-1	pg/g	0.24 - 6.68	0.0787	13.9	103	13
3,5-Dichlorobiphenyl	34883-41-5	pg/g	0.24 - 6.68	0.109	18.4	103	81
3-Chlorobiphenyl	2051-61-8	pg/g	0.24 - 6.68	0.0579	4.98	96	1
4,4'-Dichlorobiphenyl	2050-68-2	pg/g	0.24 - 6.68	0.121	20.1	103	--
4-Chlorobiphenyl	2051-62-9	pg/g	0.24 - 6.68	0.0681	639	96	19
Dichlorobiphenyl	25512-42-9	pg/g	--	--	--	103	--
Heptachlorobiphenyl	28655-71-2	pg/g	--	--	--	103	--
Hexachlorobiphenyl	26601-64-9	pg/g	--	--	--	103	--
Monochlorobiphenyl	27323-18-8	pg/g	--	--	--	96	--
Nonachlorobiphenyl	53742-07-7	pg/g	--	--	--	103	--
Octachlorobiphenyl	55722-26-4	pg/g	--	--	--	103	--
Pentachlorobiphenyl	25429-29-2	pg/g	--	--	--	103	--
Tetrachlorobiphenyl	26914-33-0	pg/g	--	--	--	103	--
Trichlorobiphenyl	25323-68-6	pg/g	--	--	--	103	--
PCB012 & 013	PCB012_013	pg/g	0.24 - 6.68	0.113	19.3	103	--
PCB018 & 030	PCB018_030	pg/g	0.24 - 6.68	0.048	7.34	103	--
PCB020 & 028	PCB020_028	pg/g	0.24 - 6.68	0.0789	34.9	103	--
PCB021 & 033	PCB021_033	pg/g	0.24 - 6.68	0.077	33	103	--
PCB026 & 029	PCB026_029	pg/g	0.24 - 6.68	0.0803	13.6	103	--
PCB040 & 041 & 071	PCB040_041_071	pg/g	0.24 - 6.68	0.048	13.2	103	--
PCB044 & 047 & 065	PCB044_047_065	pg/g	0.24 - 6.68	0.048	11.7	103	--
PCB045 & 051	PCB045_051	pg/g	0.24 - 6.68	0.048	13	103	--
PCB049 & 069	PCB049_069	pg/g	0.24 - 6.68	0.048	11	103	--
PCB050 & 053	PCB050_053	pg/g	0.24 - 6.68	0.048	12.8	103	--
PCB059 & 062 & 075	PCB059_062_075	pg/g	0.24 - 6.68	0.048	9.87	103	--
PCB061 & 070 & 074 & 076	PCB061_070_074_	pg/g	0.24 - 6.68	0.226	418	103	--
PCB083 & 099	PCB083_099	pg/g	0.24 - 6.68	0.14	114	103	--
PCB085 & 116 & 117	PCB085_116_117	pg/g	0.24 - 6.68	0.112	44.4	103	--
PCB086 & 087 & 097 & 108 & 119 & 125	PCB086_087_097_	pg/g	0.24 - 6.68	0.115	95.8	103	--
PCB088 & 091	PCB088_091	pg/g	0.24 - 6.68	0.136	104	103	--

Table B-7b. Reported Detection Limits - Benthic Tissue Sampling Event.

Analyte	CAS Number	Units	Round 2 QAPP MDL[a,b]	Reported Detection Limits[a]		Total No. Data Points	No. Undetected Results
				Minimum	Maximum		
PCB090 & 101 & 113	PCB090_101_113	pg/g	0.24 - 6.68	0.118	94.7	103	--
PCB093 & 095 & 098 & 100 & 102	PCB093_095_098_	pg/g	0.24 - 6.68	0.131	101	103	--
PCB107 & 124	PCB107_124	pg/g	0.24 - 6.68	0.29	46	103	--
PCB110 & 115	PCB110_115	pg/g	0.24 - 6.68	0.101	86	103	--
PCB128 & 166	PCB128_166	pg/g	0.24 - 6.68	0.111	247	103	--
PCB129 & 138 & 160 & 163	PCB129_138_160_	pg/g	0.24 - 6.68	0.107	840	103	--
PCB134 & 143	PCB134_143	pg/g	0.24 - 6.68	0.134	279	103	--
PCB135 & 151 & 154	PCB135_151_154	pg/g	0.24 - 6.68	0.048	2.42	103	--
PCB139 & 140	PCB139_140	pg/g	0.24 - 6.68	0.118	250	103	--
PCB147 & 149	PCB147_149	pg/g	0.24 - 6.68	0.113	857	103	--
PCB153 & 168	PCB153_168	pg/g	0.24 - 6.68	0.0954	731	103	--
PCB156 & 157	PCB156_157	pg/g	0.42	0.117	260	103	--
PCB171 & 173	PCB171_173	pg/g	0.24 - 6.68	0.048	7.36	103	--
PCB180 & 193	PCB180_193	pg/g	0.24 - 6.68	0.048	5.82	103	--
PCB183 & 185	PCB183_185	pg/g	0.24 - 6.68	0.048	6.62	103	--
PCB197 & 200	PCB197_200	pg/g	0.24 - 6.68	0.0134	7.14	103	1
PCB198 & 199	PCB198_199	pg/g	0.24 - 6.68	0.0185	2.9	103	--
Total PCB Congeners	1336-36-3	pg/g	0.24 - 6.68	--	--	103	--

Notes:

[a] Tissue method detection limits are listed on a wet weight basis.

[b] QAPP method detection limits listed are based on optimum tissue amounts of 10 grams for each of the organic analyses and 5 grams for metals and mercury.

[c] QAPP method detection limits were listed for EPA 8082 only.

Table B-8a. Field Precision for Sediment Samples.

Analyte	Units	Location: BT006					Location: BT027				
		Sample ID: LW2-GBT006-1	Sample ID: LW2-GBT006-3	RPD[a]	Sample ID: LW2-GBT006-2	RPD[b]	Sample ID: LW2-GBT027-1	Sample ID: LW2-GBT027-3	RPD[a]	Sample ID: LW2-GBT027-2	RPD[b]
		Sample type: Parent sample	Sample type: Field duplicate	(percent)	Sample type: Field replicate	(percent)	Sample type: Parent sample	Sample type: Field duplicate		Sample type: Field replicate	
		Sample Date: 12/16/2005	Sample Date: 12/16/2005		Sample Date: 12/16/2005		Sample Date: 12/6/2005	Sample Date: 12/7/2005		Sample Date: 12/7/2005	
Butyltins											
Dibutyltin ion	µg/kg	5.4	7.1	27.2	8.1	40.0	8.6	11	24.5	13	40.7
Tetrabutyltin	µg/kg	0.47 *J*	0.42 *J*	11.2	0.41 *J*	13.6	1.8 *J*	2.9 *J*	46.8	1.4 *J*	25.0
Tributyltin ion	µg/kg	11	14	24.0	16	37.0	30	32	6.5	29	3.4
Butyltin ion	µg/kg	0.87 *J*	2.2	86.6	2	78.7	1.3 *J*	2 *J*	42.4	2.1	47.1
Conventionals											
Sulfide (S)	mg/kg	1.9	0.4 *J*	130.4	0.08 *U*	NA	1.6 *J*	1.1 *J*	37.0	1.5 *J*	6.5
Ammonia	mg/kg	25.3 *J*	33.1 *J*	26.7	35.4 *J*	33.3	49.1 *J*	51.2 *J*	4.2	52.2 *J*	6.1
Total organic carbon	percent	0.41	0.67	48.1	0.84	68.8	1.94	1.9	2.1	2.07	6.5
Total solids	percent	74.6	71.2	4.7	72.1	3.4	50.9	57.2	11.7	55.3	8.3
Total solids	percent	68.1	65.6	3.7	64.3	5.7	52.7	50.6	4.1	49.9	5.5
Dioxin/furan homologs											
Tetrachlorodibenzofuran homologs	pg/g	1.319	0.37	112.4	0.133	163.4	0.08 *U*	3.466	NA	3.086	NA
Pentachlorodibenzofuran homologs	pg/g	2.097	0.578	113.6	1.052	66.4	1.113	6.365	140.5	4.287	117.6
Octachlorodibenzo-p-dioxin	pg/g	112.439	79.514	34.3	35.056	104.9	84.38	182.96	73.7	224.807	90.8
Hexachlorodibenzo-p-dioxin homologs	pg/g	3.825	2.773	31.9	1.343	96.1	2.599	8.383	105.3	7.883	100.8
Pentachlorodibenzo-p-dioxin homologs	pg/g	0.186	0.164	12.6	0.02 *U*	NA	0.2	0.953	130.6	1.157	141.0
Heptachlorodibenzo-p-dioxin homologs	pg/g	32.261	25.51	23.4	10.051	105.0	24.306	63.03	88.7	53.708	75.4
Heptachlorodibenzofuran homologs	pg/g	6.439	4.814	28.9	2.97	73.7	4.19	11.813	95.3	16.994	120.9
Octachlorodibenzofuran	pg/g	5.613	6.681	17.4	2.688	70.5	3.211 *J*	9.493	98.9	18.414	140.6
Tetrachlorodibenzo-p-dioxin homologs	pg/g	0.306	0.013 *U*	NA	0.015 *U*	NA	0.296	0.78	90.0	1.172	119.3
Hexachlorodibenzofuran homologs	pg/g	3.791	1.662	78.1	2.022	60.9	2.775	7.127	87.9	8.327	100.0
Dioxins/furans											
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.032 *U*	0.013 *U*	NA	0.015 *U*	NA	0.04 *U*	0.03 *U*	NA	0.047 *U*	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.319 *J*	0.214 *J*	39.4	0.152 *U*	NA	0.229 *J*	0.458 *J*	66.7	0.603 *J*	89.9
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxi	pg/g	13.951	10.563	27.6	4.525	102.0	9.483	29.677	103.1	24.772	89.3
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.096 *U*	0.055 *J*	NA	0.04 *U*	NA	0.055 *U*	0.222 *J*	NA	0.191 *J*	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.084 *U*	0.053 *U*	NA	0.042 *U*	NA	0.054 *U*	0.147 *J*	NA	0.145 *J*	NA
2,3,7,8-Tetrachlorodibenzofuran	pg/g	0.186 *J*	0.174 *U*	NA	0.018 *U*	NA	0.08 *U*	0.154 *J*	NA	0.257 *U*	NA
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.136 *J*	0.044 *U*	NA	0.043 *U*	NA	0.058 *U*	0.216 *J*	NA	0.397 *J*	NA
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.124 *J*	0.06 *U*	NA	0.086 *U*	NA	0.045 *U*	0.151 *J*	NA	0.167 *J*	NA
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.112 *U*	0.055 *U*	NA	0.063 *U*	NA	0.039 *U*	0.083 *J*	NA	0.094 *J*	NA
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.144 *J*	0.074 *U*	NA	0.07 *U*	NA	0.125 *J*	0.248 *J*	66.0	0.25 *J*	66.7
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.543 *J*	0.296 *J*	58.9	0.264 *J*	69.1	0.38 *J*	1.679 *J*	126.2	1.115 *J*	98.3
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.172 *J*	0.115 *U*	NA	0.149 *J*	14.3	0.167 *J*	0.395 *J*	81.1	0.363 *J*	74.0
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	1.954	1.585	20.9	1.023 *J*	62.5	1.459 *J*	3.798	89.0	4.735	105.8
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.311 *J*	0.186 *U*	NA	0.146 *J*	72.2	0.286 *J*	0.434 *J*	41.1	0.614 *J*	72.9
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.026 *U*	0.019 *U*	NA	0.037 *U*	NA	0.064 *U*	0.024 *J*	NA	0.017 *U*	NA
Grainsize											
8-9 Phi clay	percent	0.73	1.53	70.8	0	200.0	1.29	0.94	31.4	1.22	5.6
Coarse sand	percent	23.2	16.5	33.8	13.3	54.2	3.97	2.81	34.2	3.03	26.9
Coarse silt	percent	3.33	11.1	107.7	11.7	111.4	12.8	17.6	31.6	17.5	31.0
Fine gravel	percent	0.14	1.38	163.2	0.67	130.9	1.2	0.57	71.2	1.01	17.2
Fine sand	percent	19.3	20	3.6	21.2	9.4	20.1	16	22.7	18.6	7.8
Fine silt	percent	3.12	3.85	20.9	5.15	49.1	3.14	3.42	8.5	3.52	11.4
>9 Phi clay	percent	0.7	3.42	132.0	0.98	33.3	1.69	2.19	25.8	1.93	13.3
Medium gravel	percent	0.12	0.61	134.2	0	200.0	0.62	1.86	100.0	0.4	43.1

Table B-8a. Field Precision for Sediment Samples.

Analyte	Location:	BT006					BT027				
	Sample ID:	LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
	Sample type:	Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
	Sample Date:	12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
	Units										
Medium sand	percent	32.1	24.6	26.5	27.9	14.0	13.9	9.91	33.5	11.1	22.4
Medium silt	percent	4.58	6.22	30.4	7.68	50.6	5.67	5.94	4.7	6.5	13.6
Very coarse sand	percent	2.07	2.2	6.1	1.49	32.6	1.32	0.96	31.6	1.14	14.6
Very fine sand	percent	4.84	6.75	33.0	6.8	33.7	29.2	30.3	3.7	30.7	5.0
Very fine silt	percent	1.82	3.43	61.3	3.48	62.6	2.42	2.06	16.1	2.24	7.7
Herbicides											
Dichloroprop	µg/kg	0.43 *UJ*	0.45 *UJ*	NA	0.45 *UJ*	NA	0.48 *U*	0.5 *U*	NA	0.48 *U*	NA
Dicamba	µg/kg	0.85 *UJ*	0.88 *UJ*	NA	0.9 *UJ*	NA	0.94 *U*	0.99 *U*	NA	0.95 *U*	NA
Dalapon	µg/kg	0.24 *UJ*	0.25 *UJ*	NA	0.25 *UJ*	NA	0.26 *U*	0.28 *U*	NA	0.26 *U*	NA
Dinoseb	µg/kg	0.54 *UJ*	0.56 *UJ*	NA	0.57 *UJ*	NA	0.6 *U*	0.63 *U*	NA	0.61 *U*	NA
MCPP	µg/kg	0.52 *UJ*	0.54 *UJ*	NA	0.55 *UJ*	NA	0.58 *U*	0.61 *U*	NA	0.58 *U*	NA
Silvex	µg/kg	0.39 *UJ*	0.41 *UJ*	NA	0.42 *UJ*	NA	0.44 *U*	0.46 *U*	NA	0.44 *U*	NA
2,4,5-T	µg/kg	0.39 *UJ*	0.41 *UJ*	NA	0.42 *UJ*	NA	0.44 *U*	0.46 *U*	NA	0.44 *U*	NA
MCPA	µg/kg	0.57 *UJ*	0.59 *UJ*	NA	0.6 *UJ*	NA	0.63 *U*	0.67 *U*	NA	0.64 *U*	NA
2,4-D	µg/kg	0.27 *UJ*	0.28 *UJ*	NA	0.28 *UJ*	NA	0.3 *U*	0.31 *U*	NA	0.3 *U*	NA
2,4-DB	µg/kg	0.4 *UJ*	0.41 *UJ*	NA	0.42 *UJ*	NA	0.44 *U*	0.46 *U*	NA	0.44 *U*	NA
Metals											
Aluminum	mg/kg	13100	16300	21.8	12800	2.3	23000	31100	29.9	18100	23.8
Antimony	mg/kg	0.23 *J*	0.26 *J*	12.2	0.29 *J*	23.1	0.11 *J*	0.15 *J*	30.8	0.1 *J*	9.5
Arsenic	mg/kg	3.63	3.8	4.6	3.2	12.6	3.12	3.39	8.3	3.22	3.2
Barium	mg/kg						149	175	16.0	131	12.9
Beryllium	mg/kg						0.54 *J*	0.583 *J*	7.7	0.525 *J*	2.8
Cadmium	mg/kg	0.225	0.277	20.7	0.28	21.8	0.24	0.254	5.7	0.256	6.5
Chromium	mg/kg	24.5	29.6	18.9	27.8	12.6	32.8	39.3	18.0	27	19.4
Chromium hexavalent	mg/kg	0.2 *UJ*	0.2 *UJ*	NA	0.9 *J*	NA	0.2 *UJ*	0.2 *UJ*	NA	0.2 *UJ*	NA
Copper	mg/kg	23.4	29.3	22.4	29.2	22.1	36.6	44.4	19.3	31.1	16.2
Lead	mg/kg	14.1	16.9	18.1	18.4	26.5	16.9	16.9	0.0	14.7	13.9
Manganese	mg/kg						593	655	9.9	515	14.1
Mercury	mg/kg	0.115 *J*	0.085 *J*	30.0	0.074 *J*	43.4	0.055	0.058	5.3	0.067	19.7
Nickel	mg/kg	20.7 *J*	22 *J*	6.1	20.3 *J*	2.0	20.2 *J*	22.3 *J*	9.9	20.9 *J*	3.4
Selenium	mg/kg	0.19 *U*	0.15 *U*	NA	0.19 *U*	NA	0.13 *U*	0.13 *U*	NA	0.14 *U*	NA
Silver	mg/kg	0.068 *U*	0.092	NA	1.2	NA	0.133 *J*	0.149 *J*	11.3	0.117 *J*	12.8
Thallium	mg/kg						0.095	0.099	4.1	0.098	3.1
Zinc	mg/kg	111	125	11.9	122	9.4	121	134	10.2	103	16.1
Organochlorine pesticides											
Heptachlor epoxide	µg/kg	0.00191 *U*	0.00161 *J*	NA	0.00161 *J*	NA	0.0207 *J*	0.00492 *J*	123.2	0.00668 *J*	102.4
Endosulfan sulfate	µg/kg	0.0337 *U*	0.0369 *J*	NA	0.0347 *J*	NA	0.328	0.0676 *J*	131.6	0.0996 *J*	106.8
Oxychlordane	µg/kg	0.0628 *U*	0.0644 *U*	NA	0.0613 *U*	NA	0.00782 *U*	0.00635 *U*	NA	0.00296 *U*	NA
Aldrin	µg/kg	0.0156 *U*	0.031 *J*	NA	0.0309 *J*	NA	0.0411 *J*	0.0374 *J*	9.4	0.0413 *J*	0.5
alpha-Hexachlorocyclohexane	µg/kg	0.00467 *J*	0.00352 *J*	28.1	0.00357 *J*	26.7	0.00638 *J*	0.00968 *J*	41.1	0.00598 *U*	NA
beta-Hexachlorocyclohexane	µg/kg	0.00359 *J*	0.00196 *J*	58.7	0.00219 *U*	NA	0.0521 *U*	0.0104 *J*	NA	0.0105 *J*	NA
delta-Hexachlorocyclohexane	µg/kg	0.00125 *U*	0.00109 *U*	NA	0.0018 *J*	NA	0.00152 *U*	0.00966 *J*	NA	0.00544 *J*	NA
beta-Endosulfan	µg/kg	0.0615 *J*	0.0374 *U*	NA	0.0323 *J*	62.3	0.101 *J*	0.0487 *U*	NA	0.0533 *J*	61.8
2,4'-DDE	µg/kg	0.0405 *J*	0.06 *J*	38.8	0.0682 *J*	51.0	0.125 *J*	0.0442 *J*	95.5	0.0473 *J*	90.2
trans-Nonachlor	µg/kg	0.0529 *J*	0.0596 *J*	11.9	0.063 *J*	17.4	0.147 *J*	0.11 *J*	28.8	0.125 *J*	16.2
4,4'-DDT	µg/kg	0.301	0.314	4.2	0.619	69.1	0.455	0.308	38.5	0.317	35.8
cis-Chlordane	µg/kg	0.0584 *J*	0.0654 *J*	11.3	0.0684 *J*	15.8	0.163 *J*	0.149 *J*	9.0	0.171 *J*	4.8
cis-Nonachlor	µg/kg	0.0219 *J*	0.0221 *J*	0.9	0.0229 *J*	4.5	0.0642 *J*	0.0578 *J*	10.5	0.0578 *J*	10.5

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Table B-8a. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
trans-Chlordane	µg/kg	0.0718 *J*	0.0848 *J*	16.6	0.0902 *J*	22.7	0.185 *J*	0.139 *J*	28.4	0.161 *J*	13.9
2,4'-DDD	µg/kg	0.222	0.313	34.0	0.377	51.8	0.427	0.819	62.9	0.365	15.7
Endrin ketone	µg/kg	0.11 *U*	0.112 *U*	NA	0.107 *U*	NA	0.122 *U*	0.119 *U*	NA	0.118 *U*	NA
gamma-Hexachlorocyclohexane	µg/kg	0.0031 *J*	0.00324 *J*	4.4	0.00668 *U*	NA	0.009 *U*	0.00554 *J*	NA	0.0158 *J*	NA
Dieldrin	µg/kg	0.0399 *J*	0.0321 *J*	21.7	0.0373 *J*	6.7	0.0939 *J*	0.0567 *J*	49.4	0.0688 *J*	30.9
Endrin	µg/kg	0.0175 *U*	0.018 *U*	NA	0.0171 *U*	NA	0.0195 *U*	0.0189 *U*	NA	0.0188 *U*	NA
Methoxychlor	µg/kg	0.0254 *U*	0.026 *U*	NA	0.0248 *U*	NA	0.0283 *U*	0.0275 *U*	NA	0.0273 *U*	NA
4,4'-DDD	µg/kg	1	1.44	36.1	1.87	60.6	1.77	2.14	18.9	1.72	2.9
4,4'-DDE	µg/kg	0.517	0.82	45.3	0.848	48.5	1.49	1.31	12.9	1.35	9.9
Endrin aldehyde	µg/kg	0.0718 *U*	0.0737 *U*	NA	0.0702 *U*	NA	0.0802 *U*	0.0777 *U*	NA	0.0771 *U*	NA
Heptachlor	µg/kg	0.0069 *U*	0.00253 *U*	NA	0.0201 *U*	NA	0.0229 *U*	0.0222 *U*	NA	0.0221 *U*	NA
2,4'-DDT	µg/kg	0.0542 *J*	0.0878 *J*	47.3	0.0669 *J*	21.0	0.383	0.0745 *J*	134.9	0.0778 *J*	132.5
alpha-Endosulfan	µg/kg	0.24	0.0183 *J*	171.7	0.018 *U*	NA	0.0451 *J*	0.0271 *U*	NA	0.0268 *U*	NA
Mirex	µg/kg	0.1 *J*	0.16 *NJ*	46.2	0.18 *J*	57.1	0.76 *U*	0.089 *U*	NA	0.2 *U*	NA
Toxaphene	µg/kg	46 *U*	70 *U*	NA	67 *U*	NA	44 *U*	19 *U*	NA	22 *U*	NA
PAHs											
Anthracene	µg/kg	9.3	8.3	11.4	6.8	31.1	3.4	6.3	59.8	3.6	5.7
Pyrene	µg/kg	58	74	24.2	83	35.5	46	43	6.7	57	21.4
Benzo(g,h,i)perylene	µg/kg	34	41	18.7	37	8.5	27	20	29.8	19	34.8
Indeno(1,2,3-cd)pyrene	µg/kg	33	38	14.1	34	3.0	25	21	17.4	19	27.3
Benzo(b)fluoranthene	µg/kg	36	40	10.5	37	2.7	29	21	32.0	25	14.8
Fluoranthene	µg/kg	46	53	14.1	61	28.0	32	36	11.8	62	63.8
Benzo(k)fluoranthene	µg/kg	26	33	23.7	28	7.4	21	20	4.9	18	15.4
Acenaphthylene	µg/kg	0.8 *J*	1.3 *J*	47.6	1.2 *J*	40.0	3.7	2.3 *J*	46.7	1.5 *J*	84.6
Chrysene	µg/kg	38	46	19.0	46	19.0	29	29	0.0	31	6.7
Benzo(a)pyrene	µg/kg	37	40	7.8	38	2.7	31	25	21.4	22	34.0
Dibenz(a,h)anthracene	µg/kg	5.4	6.6	20.0	5.2	3.8	4.1	3	31.0	2.6	44.8
Benz(a)anthracene	µg/kg	28	30	6.9	31	10.2	22	20	9.5	16	31.6
Acenaphthene	µg/kg	3.8	2.8	30.3	2.7	33.8	2 *J*	2.4 *J*	18.2	2.2 *J*	9.5
Phenanthrene	µg/kg	31	22	34.0	28	10.2	14	24	52.6	24	52.6
Fluorene	µg/kg	4	2.7	38.8	2.8	35.3	2.5	3.8	41.3	2.7	7.7
Naphthalene	µg/kg	7.4	0.54 *U*	NA	0.55 *U*	NA	0.67 *UJ*	0.7 *UJ*	NA	0.71 *UJ*	NA
2-Methylnaphthalene	µg/kg	3.8	1.5 *J*	86.8	1.7 *J*	76.4	1.9 *J*	2.7 *U*	NA	4.3	77.4
PCB Aroclors											
Aroclor 1260	µg/kg	20	32	46.2	40	66.7	26 *J*	15 *J*	53.7	15 *J*	53.7
Aroclor 1254	µg/kg	34 *J*	54	45.5	59	53.8	27 *J*	2.2 *U*	NA	6.3 *U*	NA
Aroclor 1268	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1221	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1232	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1248	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1016	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1262	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
Aroclor 1242	µg/kg	1.7 *U*	1.7 *U*	NA	1.8 *U*	NA	16 *U*	2.2 *U*	NA	2.3 *U*	NA
PCB congener homologs											
Trichlorobiphenyl	pg/g	2080	4040	64.1	4110	65.6	767	761	0.8	923	18.5
Pentachlorobiphenyl	pg/g	18900	31000	48.5	34400	58.2	6730	4020	50.4	5870	13.7
Dichlorobiphenyl	pg/g	469	998	72.1	1010	73.2	306	279	9.2	307	0.3
Hexachlorobiphenyl	pg/g	13200	24500	59.9	24800	61.1	18600	6850	92.3	15400	18.8

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Table B-8a. Field Precision for Sediment Samples.

Analyte	Location:	BT006					BT027				
	Sample ID:	LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
	Sample type:	Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
	Sample Date:	12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
	Units										
Tetrachlorobiphenyl	pg/g	7330	12900	55.1	13700	60.6	3110	2740	12.6	3040	2.3
Monochlorobiphenyl	pg/g	32.3	97.6	100.5	76.1	80.8	26.6	25.8	3.1	23	14.5
Heptachlorobiphenyl	pg/g	5010	19500 *J*	118.2	9120	58.2	12800	4910	89.1	26700	70.4
Nonachlorobiphenyl	pg/g	225	1140 *J*	134.1	455	67.6	300	151	66.1	787	89.6
Octachlorobiphenyl	pg/g	1380	9030 *J*	147.0	2380	53.2	2900	1260	78.8	11400	118.9
PCB congeners											
Polychlorinated biphenyls	pg/g	48600	103000	71.8	90200	59.9	45600	21100	73.5	64600	34.5
2,4,5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	5.59	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',6,6'-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	8	NA	25.4	32.2	23.6	43.6	52.8
2,4',5-Trichlorobiphenyl	pg/g	319	658	69.4	691	73.7	102	104	1.9	97.5	4.5
3,3'-Dichlorobiphenyl	pg/g	0 *U*	41.9	NA	46.2	NA	94.3	117	21.5	108	13.5
4,4'-Dichlorobiphenyl	pg/g	229	433	61.6	445	64.1	33.4	40.9	20.2	35.7	6.7
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	pg/g	54.8	114	70.1	207	116.3	105	84.2	22.0	105	0.0
2-Chlorobiphenyl	pg/g	16.7	43.6	89.2	34.6	69.8	9.36	7.39	23.5	5.89	45.5
3-Chlorobiphenyl	pg/g	0 *U*	9.89	NA	8.55	NA	12.2	13.3	8.6	11.2	8.5
4-Chlorobiphenyl	pg/g	15.6	44.1	95.5	33	71.6	5.07	5.11	0.8	5.9	15.1
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	pg/g	68.6	372 *J*	137.7	122	56.0	148	58.7	86.4	470	104.2
2,2',4,4'-Tetrachlorobiphenyl	pg/g	243	445	58.7	449	59.5	330	330	0.0	344	4.2
2,3'-Dichlorobiphenyl	pg/g	34.1	61.6	57.5	74.8	74.7	0 *U*	0 *U*	NA	0 *U*	NA
3,3',4,4'-Tetrachlorobiphenyl	pg/g	54.7	96	54.8	101	59.5	19.3	21.5	10.8	19.2	0.5
2,3,3',4,4'-Pentachlorobiphenyl	pg/g	816	1270	43.5	1470	57.2	187	124	40.5	216	14.4
2,4,4',5-Tetrachlorobiphenyl	pg/g	284	501	55.3	537	61.6	74.6	73	2.2	81.2	8.5
3,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	1.24 *U*	1.59 *U*	NA	1.54 *U*	NA	0.843 *U*	0.766 *U*	NA	0.772 *U*	NA
2,2',3,3',4,4',6,6'-Octachlorobiphenyl	pg/g	11.3	56.9 *J*	133.7	19	50.8	27.7	12	79.1	111	120.1
3,3',5,5'-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,5,6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,4',6,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	5.8	NA
3,5-Dichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,4',5,5'-Hexachlorobiphenyl	pg/g	2340	4840	69.6	4480	62.8	3730	1510	84.7	3730	0.0
2,2',3,4,4',5,5'-Heptachlorobiphenyl	pg/g	1340	5940 *J*	126.4	2420	57.4	3190	1300	84.2	7120	76.2
2,2',3,3',4,4',5-Heptachlorobiphenyl	pg/g	567	1860 *J*	106.6	1040	58.9	1220	515	81.3	2540	70.2
2,4,6-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4,4',5-Hexachlorobiphenyl	pg/g	170	283	49.9	352	69.7	50.8	24.5	69.9	66.9	27.4
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	pg/g	304	2310 *J*	153.5	547	57.1	624	258	83.0	2740	125.8
2,2',5-Trichlorobiphenyl	pg/g	235	476	67.8	503	72.6	64.6	66.1	2.3	65	0.6
2,2',4-Trichlorobiphenyl	pg/g	95.9	191	66.3	199	69.9	63.5	68.7	7.9	105	49.3
2,3',5'-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,3',4-Trichlorobiphenyl	pg/g	9.99	18.3	58.7	18.7	60.7	3.98	4.29	7.5	3.4	15.7
2,2',4,4',5-Pentachlorobiphenyl	pg/g	1170	1920	48.5	2130	58.2	443	312	34.7	476	7.2
2,3,3',4',6-Pentachlorobiphenyl	pg/g	3620	5880	47.6	6660	59.1	1170	613	62.5	870	29.4
2,3,3',4,4',5-Hexachlorobiphenyl	pg/g	282	489	53.7	543	63.3	132	77.4	52.1	162	20.4
2,2',3,3',6,6'-Hexachlorobiphenyl	pg/g	370	649	54.8	700	61.7	762	237	105.1	383	66.2
2,2',3,3',4,5,6'-Heptachlorobiphenyl	pg/g	588	2430 *J*	122.1	1080	59.0	1540	552	94.5	2130	32.2
2,2',6-Trichlorobiphenyl	pg/g	44.1	81.2	59.2	87.9	66.4	121	120	0.8	266	74.9
2,3',5-Trichlorobiphenyl	pg/g	65.6	114	53.9	123	60.9	35.2	29.5	17.6	29.9	16.3
2,3,4'-Trichlorobiphenyl	pg/g	158	286	57.7	287	58.0	38.3	40.5	5.6	36.8	4.0
3,3',5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,4',5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA

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Table B-8a. Field Precision for Sediment Samples.

Analyte	Location:	BT006					BT027				
	Sample ID:	LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
	Sample type:	Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
	Sample Date:	12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
	Units										
3,4,4'-Trichlorobiphenyl	pg/g	192	373	64.1	376	64.8	44.8	44.8	0.0	37.3	18.3
2,2',3,3'-Tetrachlorobiphenyl	pg/g	134	239	56.3	264	65.3	27.4	25	9.2	25.9	5.6
2,2',4,4',6-Pentachlorobiphenyl	pg/g	13.2	22	50.0	23.7	56.9	45.7	50.2	9.4	88.4	63.7
2,3,3',4,4',5,5'-Heptachlorobiphenyl	pg/g	21.8	58.5	91.4	46.4	72.1	42.5	19	76.4	123	97.3
3,3',4,5,5'-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4,5,5'-Hexachlorobiphenyl	pg/g	17.8	77.6 *J*	125.4	33.8	62.0	48.5	21.3	77.9	133	93.1
2,2',3,3',4,5',6-Heptachlorobiphenyl	pg/g	30.1	87.4 *J*	97.5	51.3	52.1	74.6	26.2	96.0	109	37.5
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	pg/g	43.7	238 *J*	137.9	75.5	53.4	97.3	40.7	82.0	358	114.5
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	pg/g	168	899 *J*	137.0	331	65.3	221	109	67.9	605	93.0
2,3,4,4',5,6-Hexachlorobiphenyl	pg/g	12.7	23.5	59.7	26.9	71.7	3.04	0 *U*	NA	3.29	7.9
2,3,3',4,4',5,6-Heptachlorobiphenyl	pg/g	117	418 *J*	112.5	202	53.3	245	103	81.6	557	77.8
2,2',3,5'-Tetrachlorobiphenyl	pg/g	987	1730	54.7	1890	62.8	204	178	13.6	189	7.6
2,2',5,6'-Tetrachlorobiphenyl	pg/g	127	230	57.7	240	61.6	161	168	4.3	183	12.8
2,2',3,6'-Tetrachlorobiphenyl	pg/g	50	92.1	59.3	104	70.1	15.7	15.2	3.2	16.6	5.6
3,3',4,5'-Tetrachlorobiphenyl	pg/g	22.4	37	49.2	43	63.0	9.14	8.02	13.1	10.8	16.6
2,3,3',5'-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4',5'-Pentachlorobiphenyl	pg/g	895	1480	49.3	1670	60.4	172	110	44.0	157	9.1
2,2',3,3',4-Pentachlorobiphenyl	pg/g	332	550	49.4	597	57.1	61.8	40.1	42.6	58.8	5.0
2,2',3,5,5',6-Hexachlorobiphenyl	pg/g	539	1090	67.6	1010	60.8	1410	419	108.4	937	40.3
2,2',3,3',5,6,6'-Heptachlorobiphenyl	pg/g	265	948 *J*	112.6	478	57.3	912	284	105.0	1740	62.4
2,2',3,3',4,6,6'-Heptachlorobiphenyl	pg/g	78.7	236 *J*	100.0	140	56.1	250	77.6	105.3	276	9.9
2,2',3,3',4,5'-Hexachlorobiphenyl	pg/g	222	354	45.8	383	53.2	152	74.8	68.1	124	20.3
2,2',3,3',5,5',6-Heptachlorobiphenyl	pg/g	122	433 *J*	112.1	215	55.2	334	132	86.7	1110	107.5
2,2',3,4,4',5',6-Heptachlorobiphenyl	pg/g	367	1250 *J*	109.2	656	56.5	991	356	94.3	1470	38.9
2,2',3,3',4,5',6'-Heptachlorobiphenyl	pg/g	336	1250 *J*	115.3	622	59.7	882	342	88.2	2040	79.3
2,2',3,3',4,4',6-Heptachlorobiphenyl	pg/g	150	455 *J*	100.8	291	63.9	376	143	89.8	581	42.8
2,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	115	197	52.6	228	65.9	87.8	39	77.0	70.2	22.3
2,2',3,3',4,5,6,6'-Octachlorobiphenyl	pg/g	44.2	257 *J*	141.3	74.4	50.9	105	39.7	90.3	327	102.8
2,2',3,3',4,5,5'-Heptachlorobiphenyl	pg/g	94.8	325 *J*	109.7	174	58.9	204	85.1	82.3	485	81.6
2,2',3,3',4,5,5',6'-Octachlorobiphenyl	pg/g	365	2410 *J*	147.4	619	51.6	741	332	76.2	2830	117.0
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	pg/g	39.3	152 *J*	117.8	85.2	73.7	53.1	30.3	54.7	99.3	60.6
2,2',3,3',4,4',5,6-Octachlorobiphenyl	pg/g	120	783 *J*	146.8	203	51.4	246	111	75.6	1030	122.9
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	pg/g	18.2	93.2 *J*	134.6	39	72.7	25.7	12.3	70.5	83.1	105.5
2,2',3,4,5,5'-Hexachlorobiphenyl	pg/g	539	1080	66.8	999	59.8	834	277	100.3	283	98.7
2,2',3,4,5,5',6-Heptachlorobiphenyl	pg/g	66.9	291 *J*	125.2	121	57.6	179	61.7	97.5	219	20.1
2,2',3,3',5,6'-Hexachlorobiphenyl	pg/g	364	651	56.6	681	60.7	674	233	97.2	636	5.8
3,4,5-Trichlorobiphenyl	pg/g	0 *U*	8.27	NA	8.61	NA	5.78	6.71	14.9	6.49	11.6
2,3,4,6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,3',4,5-Hexachlorobiphenyl	pg/g	171	272	45.6	303	55.7	69.5	29.7	80.2	37.5	59.8
2,2',3,4,5-Pentachlorobiphenyl	pg/g	12.5	18.8	40.3	21.9	54.7	0 *U*	0 *U*	NA	0 *U*	NA
2,3',4-Trichlorobiphenyl	pg/g	39.6	76.5	63.6	75.1	61.9	19	16	17.1	16	17.1
2,3,5-Trichlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,6,6'-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	3.54	4.02	12.7	5.55	44.2
2,3',4,4',6-Pentachlorobiphenyl	pg/g	53.8	86.1	46.2	91.7	52.1	61.3	41.8	37.8	95.5	43.6
2,3',4,5',6-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,3',4,4',5-Pentachlorobiphenyl	pg/g	11.5	20.9	58.0	18.7	47.7	5.45	3.79	35.9	3.57	41.7
2,2',3,4,4',6'-Hexachlorobiphenyl	pg/g	15.5	27.2	54.8	30.2	64.3	26.5	15.8	50.6	104	118.8
2,3',4,4',5',6-Hexachlorobiphenyl	pg/g	0 *U*	6.96	NA	8.32	NA	4.44	3.46	24.8	21.3	131.0

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Table B-8a. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
2,2',3,3',5-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,5',6-Pentachlorobiphenyl	pg/g	21.7	35	46.9	36.1	49.8	57.9	53.3	8.3	98.1	51.5
2,2',4,4',5,6'-Hexachlorobiphenyl	pg/g	31.3	47.9	41.9	60.2	63.2	82.4	56.3	37.6	474	140.8
2,2',3,3',4,6-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',4,6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	7.05	6.78	3.9	9.83	32.9
2,3',4,4',5'-Pentachlorobiphenyl	pg/g	39.8	60.8	41.7	73.1	59.0	9.59	6.58	37.2	11	13.7
2,2',4,6'-Tetrachlorobiphenyl	pg/g	48.2	85.8	56.1	89.6	60.1	109	130	17.6	149	31.0
2,2',3,4',6,6'-Hexachlorobiphenyl	pg/g	0 *U*	5.68	NA	7.4	NA	17.1	12.9	28.0	81.7	130.8
2,2',3,5,6,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	6.6	NA	3.31	3.36	1.5	11	107.5
2,3,3',5',6-Pentachlorobiphenyl	pg/g	0 *U*	9.35	NA	8.05	NA	11	8.06	30.8	14.3	26.1
2,3',4,5,5'-Pentachlorobiphenyl	pg/g	0 *U*	8.2	NA	6.75	NA	6.94	6.88	0.9	14.4	69.9
2,2',3,4',5,6-Hexachlorobiphenyl	pg/g	82.9	123	39.0	159	62.9	69.1	51.5	29.2	459	147.7
2,2',3,4,5',6-Hexachlorobiphenyl	pg/g	127	234	59.3	255	67.0	252	64.2	118.8	61	122.0
2,2',3,3',4,5,6-Heptachlorobiphenyl	pg/g	15.8	40.3	87.3	27.6	54.4	32.7	11.8	93.9	38.9	17.3
2,2',3,3',4,5,5',6-Octachlorobiphenyl	pg/g	18	102 *J*	140.0	29	46.8	41.5	15.9	89.2	145	111.0
2,3,3',4,4',5'-Hexachlorobiphenyl	pg/g	69	115	50.0	131	62.0	22.1	12.9	52.6	27.6	22.1
2,3,3',4',5,5',6-Heptachlorobiphenyl	pg/g	57.4	255 *J*	126.5	109	62.0	144	61.3	80.6	441	101.5
2,4,4'-Trichlorobiphenyl	pg/g	459	883	63.2	852	60.0	133	127	4.6	117	12.8
2,2',3,6-Tetrachlorobiphenyl	pg/g	106	191	57.2	215	67.9	20.3	18.3	10.4	22.6	10.7
3,3',4,5-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
3,4,4',5-Tetrachlorobiphenyl	pg/g	9.91	7.63 *J*	26.0	18.1	58.5	1.81 *J*	0.684 *J*	90.3	2.32 *J*	24.7
2,3,3',5-Tetrachlorobiphenyl	pg/g	0 *U*	6.55	NA	7.25	NA	2.53	2.65	4.6	3.2	23.4
2,3',4',5,5'-Pentachlorobiphenyl	pg/g	103	169	48.5	201	64.5	7.93	18.4	79.5	28.7	113.4
2,3',4,5'-Tetrachlorobiphenyl	pg/g	7.6	14.1	59.9	14.5	62.4	10.2	11.3	10.2	13.6	28.6
2,3',4,5-Tetrachlorobiphenyl	pg/g	20	36.5	58.4	37.1	59.9	6.56	6.29	4.2	6.3	4.0
2,2',3,6,6'-Pentachlorobiphenyl	pg/g	21.2	34	46.4	39.2	59.6	20.2	19.2	5.1	35.4	54.7
2,2',3,5,6'-Pentachlorobiphenyl	pg/g	14.1	23.3	49.2	25.1	56.1	16.4	13.9	16.5	24	37.6
2,2',3,5,6-Pentachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4,6'-Pentachlorobiphenyl	pg/g	25.1	42	50.4	45.5	57.8	5.31	3.56	39.5	5.91	10.7
2,3',5',6-Tetrachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4-Tetrachlorobiphenyl	pg/g	15	26	53.7	30.2	67.3	6.03	5.43	10.5	8.5	34.0
2,3,4',5-Tetrachlorobiphenyl	pg/g	20.8	37.2	56.6	38.8	60.4	7.04	7.04	0.0	7.48	6.1
2,3,4,4',5-Pentachlorobiphenyl	pg/g	47.2	66.9	34.5	79.8	51.3	9.15	6.68	31.2	12	27.0
2,2',3,4,6,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4',5,6'-Hexachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	5.76	NA	15.7	12.3	24.3	96.5	144.0
2,2',3,4,4',5,6-Heptachlorobiphenyl	pg/g	0 *U*	9.15	NA	10.9	NA	4.59	2.17 *J*	71.6	8.68	61.6
2,2',3,4,4',6,6'-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	4.34	NA
2,2',3,4,5,6,6'-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4,4',5',6-Heptachlorobiphenyl	pg/g	22.3	69.9 *J*	103.3	38.3	52.8	48.6	20.6	80.9	109	76.6
2,3,3',4,5,5',6-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
2,3,3',4,4',5,5',6-Octachlorobiphenyl	pg/g	13.3	90.9 *J*	148.9	24.8	60.4	28.6	12.4	79.0	126	126.0
2,2',3,4',5,6,6'-Heptachlorobiphenyl	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	3.22	2.67	18.7	46.6	174.1
2,3,3',4',5'-Pentachlorobiphenyl	pg/g	29.2	43.6	39.6	52.4	56.9	6.44	4.56	34.2	7.17	10.7
PCB004 & 010	pg/g	51.6	112	73.8	111	73.1	142	85.3	49.9	131	8.1
PCB005 & 008	pg/g	155	305	65.2	328	71.6	36.2	35.7	1.4	32.5	10.8
PCB007 & 009	pg/g	0 *U*	0 *U*	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA
PCB012 & 013	pg/g	0 *U*	44.1	NA	0 *U*	NA	0 *U*	0 *U*	NA	0 *U*	NA

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Table B-8a. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
PCB016 & 032	pg/g	192	376	64.8	393	68.7	56.8	58.9	3.6	62.8	10.0
PCB020 & 021 & 033	pg/g	238	438	59.2	427	56.8	58.8	56.3	4.3	52.1	12.1
PCB024 & 027	pg/g	31.9	59.5	60.4	62.5	64.8	19.5	17.6	10.2	27.6	34.4
PCB041 & 064 &071 &072	pg/g	742	1310	55.4	1390	60.8	214	185	14.5	199	7.3
PCB042 & 059	pg/g	248	443	56.4	484	64.5	66.4	54.6	19.5	55.8	17.3
PCB043 & 049	pg/g	708	1260	56.1	1280	57.5	567	419	30.0	483	16.0
PCB048 & 075	pg/g	126	221	54.8	250	66.0	33.3	33.9	1.8	35	5.0
PCB052 & 069	pg/g	1630	2770	51.8	2910	56.4	710	535	28.1	615	14.3
PCB056 & 060	pg/g	310	566	58.4	595	63.0	87.5	86.3	1.4	95.1	8.3
PCB061 & 070	pg/g	925	1610	54.0	1710	59.6	225	214	5.0	249	10.1
PCB066 & 076	pg/g	511	917	56.9	970	62.0	171	172	0.6	176	2.9
PCB084 & 092	pg/g	1290	2140	49.6	2350	58.2	472	288	48.4	368	24.8
PCB085 & 116	pg/g	440	734	50.1	821	60.4	99.6	60.3	49.2	92.2	7.7
PCB087 & 117 & 125	pg/g	1160	1930	49.8	2200	61.9	245	156	44.4	221	10.3
PCB088 & 091	pg/g	421	683	47.5	727	53.3	220	167	27.4	308	33.3
PCB090 & 101	pg/g	3010	5020	50.1	5580	59.8	1350	757	56.3	988	31.0
PCB095 & 098 & 102	pg/g	2490	4030	47.2	4360	54.6	1350	695	64.1	887	41.4
PCB106 & 118	pg/g	2460	4080	49.5	4460	57.8	599	390	42.3	665	10.4
PCB107 & 109	pg/g	178	284	45.9	311	54.4	56.9	42.2	29.7	79.7	33.4
PCB108 & 112	pg/g	141	225	45.9	257	58.3	31.8	20.2	44.6	28.2	12.0
PCB111 & 115	pg/g	56.3	89	45.0	104	59.5	10.1	7.13	34.5	13.1	25.9
PCB128 & 162	pg/g	493	841	52.2	947	63.1	273	121	77.2	158	53.4
PCB132 & 161	pg/g	849	1530	57.3	1610	61.9	1010	353	96.4	442	78.2
PCB133 & 142	pg/g	83.9	142	51.4	158	61.3	86.9	49.4	55.0	226	88.9
PCB134 & 143	pg/g	165	293	55.9	326	65.6	153	61.5	85.3	103	39.1
PCB138 & 163 & 164	pg/g	3120	5540	55.9	5710	58.7	3360	1340	86.0	2400	33.3
PCB139 & 149	pg/g	2290	4240	59.7	4290	60.8	4390	1340	106.5	2620	50.5
PCB146 & 165	pg/g	358	671	60.8	674	61.2	551	290	62.1	1390	86.5
PCB158 & 160	pg/g	372	617	49.5	682	58.8	301	117	88.0	143	71.2
PCB182 & 187	pg/g	773	3120 *J*	120.6	1400	57.7	2120	818	88.6	5600	90.2
PCB196 & 203	pg/g	393	2410 *J*	143.9	663	51.1	836	376	75.9	3290	119.0
Petroleum											
Diesel Range Hydrocarbons	mg/kg	37 *J*	60 *J*	47.4	62 *J*	50.5	76 *J*	80 *J*	5.1	76 *J*	0.0
Gasoline Range Hydrocarbons	mg/kg	1.5 *U*	1.6 *U*	NA	1.6 *U*	NA	13 *J*	2 *U*	NA	3.7 *U*	NA
Residual Range Hydrocarbons	mg/kg	180 *J*	300 *J*	50.0	310 *J*	53.1	390 *J*	490 *J*	22.7	490 *J*	22.7
Phenols											
4-Nitrophenol	µg/kg	0.32 *UJ*	0.33 *UJ*	NA	0.34 *UJ*	NA	0.35 *U*	0.37 *U*	NA	0.36 *U*	NA
2,4-Dimethylphenol	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	11 *U*	*R*		*R*	
4-Methylphenol	µg/kg	4.3 *U*	4.5 *U*	NA	4.6 *U*	NA	5.6 *U*	10	NA	7 *J*	NA
Phenol	µg/kg	2.8 *U*	7 *J*	NA	7.9 *J*	NA	29 *U*	8.4 *J*	NA	11 *J*	NA
2,4-Dichlorophenol	µg/kg	2.7 *U*	2.8 *U*	NA	2.8 *U*	NA	3.5 *U*	3.6 *U*	NA	11 *U*	NA
2,3,4,5-Tetrachlorophenol	µg/kg	0.64 *U*	0.66 *U*	NA	0.67 *U*	NA	0.82 *U*	8.5 *U*	NA	110 *U*	NA
2,4-Dinitrophenol	µg/kg	150 *U*	160 *U*	NA	160 *U*	NA	190 *U*	200 *U*	NA	210 *U*	NA
4,6-Dinitro-2-methylphenol	µg/kg	2.5 *U*	2.6 *U*	NA	2.7 *U*	NA	3.3 *U*	3.4 *U*	NA	110 *U*	NA
4-Chloro-3-methylphenol	µg/kg	3.1 *U*	3.3 *U*	NA	3.3 *U*	NA	4 *U*	4.2 *U*	NA	11 *U*	NA
Pentachlorophenol	µg/kg	0.6 *UJ*	1.1 *J*	NA	1.5 *J*	NA	0.66 *U*	0.69 *U*	NA	0.67 *U*	NA
2,4,6-Trichlorophenol	µg/kg	0.37 *U*	0.39 *U*	NA	0.39 *U*	NA	0.74 *U*	5 *U*	NA	110 *U*	NA
2-Nitrophenol	µg/kg	3.9 *U*	4 *U*	NA	4.1 *U*	NA	5 *U*	5.2 *U*	NA	11 *U*	NA

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Table B-8a. Field Precision for Sediment Samples.

Analyte	Location:	BT006					BT027				
	Sample ID:	LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
	Sample type:	Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
	Sample Date:	12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
	Units										
2,3,5,6-Tetrachlorophenol	µg/kg	0.62 *U*	0.65 *U*	NA	0.66 *U*	NA	0.8 *U*	8.4 *U*	NA	110 *U*	NA
2-Methylphenol	µg/kg	5 *U*	5.2 *U*	NA	5.3 *U*	NA	6.5 *U*	6.8 *U*	NA	11 *U*	NA
2-Chlorophenol	µg/kg	2.5 *U*	2.6 *U*	NA	2.7 *U*	NA	3.3 *U*	3.4 *U*	NA	11 *U*	NA
2,4,5-Trichlorophenol	µg/kg	2.6 *U*	7.4 *U*	NA	7.7 *U*	NA	3.5 *U*	98 *U*	NA	110 *U*	NA
Phthalates											
Bis(2-ethylhexyl) phthalate	µg/kg	51 *U*	78	NA	140	NA	95 *U*	410	NA	73	NA
Di-n-octyl phthalate	µg/kg	1.8 *U*	1.9 *U*	NA	1.9 *U*	NA	2.3 *U*	2.4 *U*	NA	11 *U*	NA
Dimethyl phthalate	µg/kg	2.7 *U*	2.8 *U*	NA	2.8 *U*	NA	3.5 *U*	3.6 *U*	NA	11 *U*	NA
Diethyl phthalate	µg/kg	18	5.4 *U*	NA	5.5 *U*	NA	6.7 *U*	7 *U*	NA	11 *U*	NA
Dibutyl phthalate	µg/kg	6.5 *U*	8.2 *U*	NA	14 *U*	NA	8 *J*	11 *U*	NA	8.9 *U*	NA
Butylbenzyl phthalate	µg/kg	6.1 *J*	6.2 *J*	1.6	12	65.2	5.8 *J*	34	141.7	11 *U*	NA
SVOCs											
4-Nitroaniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	20 *U*	NA	21 *U*	NA
Benzyl alcohol	µg/kg	5.5 *U*	5.7 *U*	NA	5.8 *U*	NA	7.3 *J*	7.4 *U*	NA	11 *U*	NA
4-Bromophenyl phenyl ether	µg/kg	2.1 *U*	2.2 *U*	NA	2.2 *U*	NA	2.7 *U*	2.8 *U*	NA	11 *U*	NA
Azobenzene	µg/kg	3.6 *U*	3.7 *U*	NA	3.8 *U*	NA	4.6 *U*	4.8 *U*	NA	11 *U*	NA
1,4-Dichlorobenzene	µg/kg	0.18 *U*	0.19 *U*	NA	0.19 *U*	NA	0.23 *U*	0.24 *U*	NA	0.25 *U*	NA
4-Chloroaniline	µg/kg	3.1 *U*	3.3 *U*	NA	3.3 *U*	NA	4 *U*	4.2 *U*	NA	11 *U*	NA
Bis(2-chloroethyl) ether	µg/kg	3.6 *U*	3.7 *U*	NA	3.8 *U*	NA	4.6 *U*	4.8 *U*	NA	11 *U*	NA
Bis(2-chloroethoxy) methane	µg/kg	2 *U*	2 *U*	NA	2.1 *U*	NA	2.5 *U*	2.6 *U*	NA	11 *U*	NA
Hexachlorobenzene	µg/kg	0.0629 *J*	0.0777 *J*	21.1	0.0785 *J*	22.1	0.209	0.165 *J*	23.5	0.202	3.4
1,2,4-Trichlorobenzene	µg/kg	0.53 *U*	0.55 *U*	NA	0.56 *U*	NA	0.69 *U*	0.72 *U*	NA	0.73 *U*	NA
2,4-Dinitrotoluene	µg/kg	4.2 *U*	4.3 *U*	NA	4.4 *U*	NA	5.4 *U*	5.6 *U*	NA	11 *U*	NA
Dibenzofuran	µg/kg	1.7 *J*	1.3 *J*	26.7	1.4 *J*	19.4	1.4 *J*	1.3 *J*	7.4	1.7 *J*	19.4
Bis(2-chloroisopropyl) ether	µg/kg	1.8 *U*	1.9 *U*	NA	1.9 *U*	NA	2.3 *U*	2.4 *U*	NA	11 *U*	NA
1,3-Dichlorobenzene	µg/kg	0.17 *U*	0.17 *U*	NA	0.18 *U*	NA	0.21 *U*	0.22 *U*	NA	0.23 *U*	NA
2,6-Dinitrotoluene	µg/kg	4.2 *U*	4.3 *U*	NA	4.4 *U*	NA	5.4 *U*	5.6 *U*	NA	11 *U*	NA
N-Nitrosodipropylamine	µg/kg	4.7 *UJ*	4.9 *U*	NA	5 *U*	NA	6.1 *U*	6.4 *U*	NA	11 *U*	NA
Aniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	*R*		*R*	
N-Nitrosodimethylamine	µg/kg	37 *U*	39 *U*	NA	39 *U*	NA	12 *U*	13 *U*	NA	13 *U*	NA
Benzoic acid	µg/kg	150 *U*	150 *U*	NA	150 *U*	NA	*R*	*R*		*R*	
Hexachloroethane	µg/kg	0.077 *UJ*	0.59 *J*	NA	0.62 *NJ*	NA	0.2 *UJ*	0.3 *J*	NA	0.2 *U*	NA
4-Chlorophenyl phenyl ether	µg/kg	3 *U*	3.1 *U*	NA	3.2 *U*	NA	3.8 *U*	4 *U*	NA	11 *U*	NA
Hexachlorocyclopentadiene	µg/kg	23 *U*	23 *U*	NA	24 *U*	NA	29 *U*	30 *U*	NA	31 *U*	NA
Isophorone	µg/kg	2.4 *U*	2.5 *U*	NA	2.5 *U*	NA	3.1 *U*	3.2 *U*	NA	11 *U*	NA
N-Nitrosodiphenylamine	µg/kg	3.3 *U*	3.4 *U*	NA	3.5 *U*	NA	4.2 *U*	4.4 *U*	NA	11 *U*	NA
Carbazole	µg/kg	3.4 *J*	3.4 *J*	0.0	3.3 *J*	3.0	2.5 *U*	2.6 *U*	NA	3.9 *J*	NA
Hexachlorobutadiene	µg/kg	0.25 *U*	0.114 *J*	NA	0.27 *U*	NA	0.33 *U*	0.00315 *U*	NA	0.00179 *UJ*	NA
2-Nitroaniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	20 *U*	NA	21 *U*	NA
2-Chloronaphthalene	µg/kg	5.3 *U*	5.5 *U*	NA	5.6 *U*	NA	6.9 *U*	7.2 *U*	NA	11 *U*	NA
3,3'-Dichlorobenzidine	µg/kg	5.5 *U*	5.7 *U*	NA	5.8 *U*	NA	7.1 *U*	7.4 *U*	NA	110 *U*	NA
1,2-Dichlorobenzene	µg/kg	0.16 *J*	0.12 *U*	NA	0.12 *U*	NA	0.15 *U*	0.15 *U*	NA	0.16 *U*	NA
Nitrobenzene	µg/kg	3 *U*	3.1 *U*	NA	3.2 *U*	NA	3.8 *U*	4 *U*	NA	11 *U*	NA
3-Nitroaniline	µg/kg	15 *U*	16 *U*	NA	16 *U*	NA	19 *U*	20 *U*	NA	21 *U*	NA
Volatile Organic Compounds											
Ethylbenzene	µg/kg	0.11 *U*	0.11 *U*	NA	0.12 *U*	NA	0.14 *U*	0.15 *U*	NA	0.15 *U*	NA
Styrene	µg/kg	0.11 *U*	0.12 *U*	NA	0.12 *U*	NA	0.15 *U*	0.15 *U*	NA	0.17 *U*	NA
cis-1,3-Dichloropropene	µg/kg	0.046 *U*	0.048 *U*	NA	0.049 *U*	NA	0.059 *U*	0.062 *U*	NA	0.063 *U*	NA

Table B-8a. Field Precision for Sediment Samples.

Location:		BT006					BT027				
Sample ID:		LW2-GBT006-1	LW2-GBT006-3	RPD[a]	LW2-GBT006-2	RPD[b]	LW2-GBT027-1	LW2-GBT027-3	RPD[a]	LW2-GBT027-2	RPD[b]
Sample type:		Parent sample	Field duplicate	(percent)	Field replicate	(percent)	Parent sample	Field duplicate		Field replicate	
Sample Date:		12/16/2005	12/16/2005		12/16/2005		12/6/2005	12/7/2005		12/7/2005	
Analyte	Units										
trans-1,3-Dichloropropene	µg/kg	0.065 *U*	0.068 *U*	NA	0.069 *U*	NA	0.084 *U*	0.087 *U*	NA	0.089 *U*	NA
Ethylene dibromide	µg/kg	0.075 *U*	0.078 *U*	NA	0.08 *U*	NA	0.097 *U*	0.11 *U*	NA	0.11 *U*	NA
1,2-Dichloroethane	µg/kg	0.046 *U*	0.048 *U*	NA	0.049 *U*	NA	0.059 *U*	0.062 *U*	NA	0.063 *U*	NA
Acrylonitrile	µg/kg	0.34 *U*	0.36 *U*	NA	0.36 *U*	NA	0.44 *U*	0.46 *U*	NA	0.47 *U*	NA
Methyl isobutyl ketone	µg/kg	0.36 *U*	0.37 *U*	NA	0.38 *U*	NA	0.46 *U*	0.48 *U*	NA	0.49 *U*	NA
Toluene	µg/kg	0.23 *U*	0.23 *U*	NA	0.24 *U*	NA	0.29 *U*	0.3 *U*	NA	0.31 *U*	NA
Chlorobenzene	µg/kg	0.11 *U*	0.11 *U*	NA	0.11 *U*	NA	0.14 *U*	0.14 *U*	NA	0.15 *U*	NA
1,4-Dichloro-trans-2-butene	µg/kg	0.75 *U*	0.78 *U*	NA	0.8 *U*	NA	0.97 *U*	1.1 *U*	NA	1.1 *U*	NA
2-Chloroethyl vinyl ether	µg/kg	0.23 *U*	0.23 *U*	NA	0.24 *U*	NA	0.29 *U*	0.3 *U*	NA	0.31 *U*	NA
Chlorodibromomethane	µg/kg	0.1 *U*	0.11 *U*	NA	0.11 *U*	NA	0.13 *U*	0.14 *U*	NA	0.14 *U*	NA
Tetrachloroethene	µg/kg	0.15 *U*	0.15 *U*	NA	0.15 *U*	NA	0.19 *U*	0.19 *U*	NA	0.2 *U*	NA
cis-1,2-Dichloroethene	µg/kg	0.092 *U*	0.095 *U*	NA	0.097 *U*	NA	0.12 *U*	0.13 *U*	NA	0.13 *U*	NA
trans-1,2-Dichloroethene	µg/kg	0.28 *U*	0.29 *U*	NA	0.3 *U*	NA	0.37 *U*	0.38 *U*	NA	0.39 *U*	NA
Methyl tert-butyl ether	µg/kg	0.058 *U*	0.06 *U*	NA	0.061 *U*	NA	0.075 *U*	0.078 *U*	NA	0.079 *U*	NA
m,p-Xylene	µg/kg	0.2 *U*	0.2 *U*	NA	0.21 *U*	NA	0.25 *U*	0.26 *U*	NA	0.27 *U*	NA
Carbon tetrachloride	µg/kg	0.15 *U*	0.16 *U*	NA	0.16 *U*	NA	0.19 *U*	0.2 *U*	NA	0.2 *U*	NA
Methyl N-butyl ketone	µg/kg	0.94 *U*	0.98 *U*	NA	1 *U*	NA	1.3 *U*	1.3 *U*	NA	1.3 *U*	NA
1,1,1,2-Tetrachloroethane	µg/kg	0.046 *U*	0.048 *U*	NA	0.049 *U*	NA	0.059 *U*	0.062 *U*	NA	0.063 *U*	NA
Acetone	µg/kg	3.4 *J*	2.5 *U*	NA	6.6 *J*	64.0	3.1 *U*	3.2 *U*	NA	6.2 *U*	NA
Chloroform	µg/kg	0.083 *U*	0.086 *U*	NA	0.088 *U*	NA	0.19 *J*	0.12 *U*	NA	0.12 *U*	NA
Benzene	µg/kg	0.058 *U*	0.06 *U*	NA	0.061 *U*	NA	0.075 *U*	0.078 *U*	NA	0.079 *U*	NA
1,1,1-Trichloroethane	µg/kg	0.087 *U*	0.09 *U*	NA	0.092 *U*	NA	0.12 *U*	0.12 *U*	NA	0.12 *U*	NA
Bromomethane	µg/kg	0.55 *U*	0.57 *U*	NA	0.58 *U*	NA	0.71 *U*	0.74 *U*	NA	0.75 *U*	NA
Chloromethane	µg/kg	0.28 *U*	0.29 *U*	NA	0.3 *U*	NA	0.37 *U*	0.38 *U*	NA	0.39 *U*	NA
Methyl iodide	µg/kg	0.99 *U*	1.1 *U*	NA	1.1 *U*	NA	1.3 *UJ*	1.4 *UJ*	NA	1.4 *UJ*	NA
Methylene bromide	µg/kg	0.13 *U*	0.13 *U*	NA	0.13 *U*	NA	0.16 *U*	0.17 *U*	NA	0.17 *U*	NA
Bromochloromethane	µg/kg	0.089 *U*	0.092 *U*	NA	0.094 *U*	NA	0.12 *U*	0.12 *U*	NA	0.13 *U*	NA
Chloroethane	µg/kg	0.42 *U*	0.43 *U*	NA	0.44 *U*	NA	0.54 *U*	0.56 *U*	NA	0.57 *U*	NA
Vinyl chloride	µg/kg	0.13 *U*	0.13 *U*	NA	0.14 *U*	NA	0.17 *U*	0.17 *U*	NA	0.18 *U*	NA
Methylene chloride	µg/kg	0.43 *U*	0.45 *U*	NA	0.46 *U*	NA	1.5 *U*	0.76 *U*	NA	1.3 *U*	NA
Carbon disulfide	µg/kg	0.2 *U*	0.2 *U*	NA	0.21 *U*	NA	0.25 *U*	0.26 *U*	NA	0.27 *U*	NA
Bromoform	µg/kg	0.068 *U*	0.071 *U*	NA	0.072 *U*	NA	0.088 *U*	0.091 *U*	NA	0.093 *U*	NA
Bromodichloromethane	µg/kg	0.1 *U*	0.11 *U*	NA	0.11 *U*	NA	0.13 *U*	0.14 *U*	NA	0.14 *U*	NA
1,1-Dichloroethane	µg/kg	0.084 *U*	0.087 *U*	NA	0.089 *U*	NA	0.11 *U*	0.12 *U*	NA	0.12 *U*	NA
Vinylidene chloride	µg/kg	0.13 *U*	0.13 *U*	NA	0.13 *U*	NA	0.16 *U*	0.17 *U*	NA	0.17 *U*	NA
Trichlorofluoromethane	µg/kg	0.12 *U*	0.13 *U*	NA	0.13 *U*	NA	0.16 *U*	0.17 *U*	NA	0.17 *U*	NA
Dichlorodifluoromethane	µg/kg	20	8.8	77.8	6.2	105.3	0.34 *J*	0.22 *U*	NA	1.5	126.1
1,2-Dichloropropane	µg/kg	0.052 *U*	0.054 *U*	NA	0.055 *U*	NA	0.067 *U*	0.07 *U*	NA	0.071 *U*	NA
1,1,2-Trichloroethane	µg/kg	0.087 *U*	0.09 *U*	NA	0.092 *U*	NA	0.12 *U*	0.12 *U*	NA	0.12 *U*	NA
Trichloroethene	µg/kg	0.092 *U*	0.095 *U*	NA	0.097 *U*	NA	0.12 *U*	0.13 *U*	NA	0.13 *U*	NA
1,1,2,2-Tetrachloroethane	µg/kg	0.15 *U*	0.15 *U*	NA	0.15 *U*	NA	0.19 *U*	0.19 *U*	NA	0.2 *U*	NA
o-Xylene	µg/kg	0.12 *U*	0.12 *U*	NA	0.12 *U*	NA	0.15 *U*	0.15 *U*	NA	0.16 *U*	NA
1,2,3-Trichloropropane	µg/kg	0.17 *U*	0.17 *U*	NA	0.18 *U*	NA	0.21 *U*	0.22 *U*	NA	0.23 *U*	NA
Isopropylbenzene	µg/kg	0.065 *U*	0.068 *U*	NA	0.069 *U*	NA	0.084 *U*	0.087 *U*	NA	0.089 *U*	NA

Notes:

[a] Relative percent difference between the parent sample and the field duplicate (split sample).

[b] Relative percent difference between the parent sample and the field replicate (co-located sample).

Table B-8b. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006 Rep 1	LW2-BTFC006 Rep 2	RPD	LW2-BTFC027 Rep 1	LW2-BTFC027 Rep 2	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
Butyltins																			
Dibutyltin ion	µg/kg	14	9.5	38.3	2.2	1.9	14.6	0.55 *U*	0.55 *U*	NA	1.1	0.99 *J*	11	3.9 *J*	6	42.4	14	12	15.4
Tetrabutyltin	µg/kg	0.067 *U*	0.067 *U*	NA	0.067 *U*	0.067 *U*	NA	0.067 *U*	0.067 *U*	NA	0.067 *U*	0.067 *U*	NA	1 *U*	2	NA	2.4 *NJ*	0.87 *U*	NA
Tributyltin ion	µg/kg	7.6	6	23.5	3.3	3.7	11.4	2.7 *U*	2.7 *U*	NA	4.6	3.2	36	2.3	2.8	19.6	7.3	5.7	24.6
Butyltin ion	µg/kg	4.3	3	35.6	2.5	0.71 *U*	NA	0.18 *U*	0.21 *U*	NA	0.54 *J*	0.24 *J*	77	9.9 *NJ*	51	135.0	61 *J*	44	32.4
Conventionals																			
Lipids	percent	1.48	1.93	26.4	1.68	2.49	38.8	0.847	0.813	4.1	0.958	0.935	2	2.37	2.74	14.5	2.84	1.35	71.1
Total solids	percent	10.2	11.3	10.2	11.1	12.5	11.9	6.8	6.5	4.5	6.78	6.65	2	15.2	15.4	1.3	15.3	15.1	1.3
Dioxin/furan homologs																			
Tetrachlorodibenzofuran homologs	pg/g	15.7	23.1	38.1	4.41	6.64	40.4	1.89	1.7	10.6	1.67	1.11	40	19.4	25	25.2	11.8	8.27	35.2
Pentachlorodibenzofuran homologs	pg/g	7.29	7.67	5.1	1.69	2.69	45.7	0.875	0.873	0.2	0.792	0.566	33	12.2	14.7	18.6	7.73	6.01	25.0
Octachlorodibenzo-p-dioxin	pg/g	15.1	14.8	2.0	9.47	15.7	49.5	3.34	4.4	27.4	3.59	3.71	3	13.3	13.6	2.2	16.5	10.7	42.6
Hexachlorodibenzo-p-dioxin homologs	pg/g	2.17	2.93	29.8	1.51	2.24	38.9	0.159 *U*	0.117	NA	0.355	0.211	51	5.27	5.76	8.9	4.67	3.67	24.0
Pentachlorodibenzo-p-dioxin homologs	pg/g	1.03	1.74	51.3	0.611	1.03	51.1	0.128	0.051	86.0	0.117 *U*	0.118 *U*	NA	2.53	3.35	27.9	2.69	2.13	23.2
Heptachlorodibenzo-p-dioxin homologs	pg/g	5.65	5.66	0.2	3.11	5.24	51.0	0.98	1.13	14.2	0.44	1.03	80	8.87	8.92	0.6	9.26	6.25	38.8
Heptachlorodibenzofuran homologs	pg/g	1.78	1.63	8.8	0.962	1.6	49.8	0.193	0.338	54.6	0.16	0.183	13	2.34	3.63	43.2	2.45	2.46	0.4
Octachlorodibenzofuran	pg/g	0.821 *U*	0.774 *J*	NA	0.551 *J*	1.05 *J*	62.3	0.206 *J*	0.253 *J*	20.5	0.205 *U*	0.313 *U*	NA	1.29 *J*	1.43 *J*	10.3	1.77 *J*	0.97 *J*	58.4
Tetrachlorodibenzo-p-dioxin homologs	pg/g	4.08	5.87	36.0	3.64	6.39	54.8	0.572	0.527	8.2	0.652	0.519	23	6.66	8.59	25.3	12.2	8.97	30.5
Hexachlorodibenzofuran homologs	pg/g	3.06	3.18	3.8	1.16	1.7	37.8	0.419	0.461	9.5	0.383	0.259	39	5.38	6	10.9	4.59	3.6	24.2
Dioxins/furans																			
2,3,7,8-Tetrachlorodibenzo-p-dioxin	pg/g	0.168 *U*	0.199 *U*	NA	0.116 *U*	0.202 *U*	NA	0.088 *U*	0.068 *U*	NA	0.078 *U*	0.098 *U*	NA	0.363	0.351	3.4	0.744 *U*	0.286 *U*	NA
1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin	pg/g	0.154 *J*	0.183 *J*	17.2	0.138 *J*	0.17 *U*	NA	0.074 *U*	0.055 *U*	NA	0.0949 *U*	0.089 *J*	NA	0.445 *J*	0.438 *J*	1.6	0.389 *J*	0.311 *J*	22.3
1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	pg/g	2.84	2.89	1.7	1.51	2.48	48.6	0.414 *U*	0.5 *U*	NA	0.382 *U*	0.417 *J*	NA	4.45	4.7	5.5	4.45	3.37	27.6
1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.114 *U*	0.096 *J*	NA	0.061 *J*	0.111 *J*	58.1	0.159 *U*	0.156 *U*	NA	0.166 *U*	0.167 *U*	NA	0.227 *J*	0.238 *J*	4.7	0.238 *U*	0.201 *J*	NA
1,2,3,7,8-Pentachlorodibenzo-p-dioxin	pg/g	0.182 *U*	0.204 *J*	NA	0.128 *J*	0.193 *J*	40.5	0.061 *J*	0.051 *J*	17.9	0.07 *U*	0.065 *U*	NA	0.542 *J*	0.65 *J*	18.1	0.6 *J*	0.441 *J*	30.5
2,3,7,8-Tetrachlorodibenzofuran	pg/g	1.41	2.21	44.2	0.488	0.674	32.0	0.246 *U*	0.193 *J*	NA	0.271 *U*	0.242	NA	2.14	2.5	15.5	0.966	0.652	38.8
1,2,3,4,7,8,9-Heptachlorodibenzofuran	pg/g	0.131 *U*	0.13 *U*	NA	0.133 *U*	0.133 *U*	NA	0.127 *U*	0.125 *U*	NA	0.132 *U*	0.061 *U*	NA	0.132 *U*	0.057 *U*	NA	0.078 *U*	0.057 *U*	NA
2,3,4,7,8-Pentachlorodibenzofuran	pg/g	0.494 *U*	0.522 *J*	NA	0.144 *J*	0.169 *J*	16.0	0.11 *U*	0.091 *U*	NA	0.095 *J*	0.109 *J*	14	0.939 *J*	1.08 *J*	14.0	0.508 *J*	0.374 *J*	30.4
1,2,3,7,8-Pentachlorodibenzofuran	pg/g	0.22 *J*	0.209 *J*	5.1	0.058 *U*	0.07 *U*	NA	0.077 *U*	0.06 *U*	NA	0.051 *J*	0.081 *U*	NA	0.624 *J*	0.659 *J*	5.5	0.268 *J*	0.213 *J*	22.9
1,2,3,6,7,8-Hexachlorodibenzofuran	pg/g	0.071 *U*	0.064 *J*	NA	0.0942 *U*	0.0945 *U*	NA	0.0899 *U*	0.0884 *U*	NA	0.0936 *U*	0.0945 *U*	NA	0.205 *J*	0.211 *J*	2.9	0.196 *U*	0.166 *J*	NA
1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin	pg/g	0.586 *U*	0.6 *J*	NA	0.273 *J*	0.466 *J*	52.2	0.088 *U*	0.117 *J*	NA	0.113 *J*	0.121 *J*	7	1.32	1.48	11.4	1.24	1.07 *J*	14.7
2,3,4,6,7,8-Hexachlorodibenzofuran	pg/g	0.123 *U*	0.116 *J*	NA	0.067 *J*	0.105 *J*	44.2	0.082 *J*	0.066 *J*	21.6	0.084 *J*	0.075 *U*	NA	0.219 *J*	0.227 *U*	NA	0.237 *U*	0.133 *U*	NA
1,2,3,4,6,7,8-Heptachlorodibenzofuran	pg/g	0.613 *U*	0.502 *J*	NA	0.319 *J*	0.544 *J*	52.1	0.181 *U*	0.12 *J*	NA	0.108 *U*	0.166 *U*	NA	1.13 *U*	1.16	NA	1.12 *J*	0.801 *J*	33.2
1,2,3,4,7,8-Hexachlorodibenzofuran	pg/g	0.145 *J*	0.198 *J*	30.9	0.066 *J*	0.091 *U*	NA	0.056 *U*	0.056 *U*	NA	0.05 *J*	0.071 *U*	NA	0.417 *J*	0.515 *J*	21.0	0.333 *J*	0.257 *J*	25.8
1,2,3,7,8,9-Hexachlorodibenzofuran	pg/g	0.132 *U*	0.131 *U*	NA	0.133 *U*	0.134 *U*	NA	0.052 *U*	0.125 *U*	NA	0.133 *U*	0.081 *J*	NA	0.133 *U*	0.133 *U*	NA	0.054 *U*	0.141 *U*	NA
Metals																			
Aluminum	mg/kg	22.4 *J*	42.2 *J*	61.3	63.8 *J*	89.1 *J*	33.1	27.4	41.9	41.8	22.8	34.7	41	235	193	19.6	389	391	0.5
Lead	mg/kg	0.071	0.079	10.7	0.054	0.054	0.0	0.069	0.063	9.1	0.04	0.041	2	0.258	0.256	0.8	0.21	0.373	55.9
Mercury	mg/kg	0.005 *J*	0.005 *J*	0.0	0.008 *J*	0.008 *J*	0.0	0.0098	0.0095	3.1	0.0078	0.0088	12	0.0036	0.0035	2.8			NA
Nickel	mg/kg	0.288	0.321	10.8	0.344	0.282 *J*	19.8	0.188 *J*	0.154 *J*	19.9	0.152	0.148	3	0.377	0.318	17.0	0.479	0.404	17.0
Silver	mg/kg	0.0255	0.0243	4.8	0.0734	0.0849	14.5	0.0109	0.01	8.6	0.0115	0.0138	18	0.0065	0.0053	20.3	0.0064	0.0054	16.9
Antimony	mg/kg	0.004 *J*	0.001 *J*	120.0	0.001 *J*	0.001 *J*	0.0	0.0009 *U*	0.001 *U*	NA	0.0007	0.0007	0	0.002 *UJ*	0.002 *UJ*	NA	0.002 *J*	0.002 *UJ*	NA
Arsenic	mg/kg	0.875 *J*	0.816 *J*	7.0	0.828 *J*	0.908	9.2	0.424	0.414	2.4	0.423 *J*	0.379 *J*	11	0.391	0.598	41.9	1.2	1.39	14.7
Cadmium	mg/kg	0.17 *J*	0.171 *J*	0.6	0.0623 *J*	0.062	0.5	0.049	0.0484	1.2	0.0504	0.0447	12	0.115 *J*	0.0919 *J*	22.3	0.0404	0.0405	0.2
Chromium	mg/kg	1.08	1.01	6.7	0.76	0.66	14.1	0.18	0.19	5.4	0.24	0.26	8	0.41	0.32	24.7	0.78	0.57	31.1
Copper	mg/kg	9.87	9.65	2.3	8.59	8.25	4.0	4.16 *J*	3.85 *J*	7.7	3.92	3.17	21	3.29	2.98	9.9	2.06	2.66	25.4
Zinc	mg/kg	40.4	44.4	9.4	31	33.7	8.3	12.5	11.7	6.6	14.6	14.1	3	24.4	26.3	7.5	24.3	23.5	3.3
Selenium	mg/kg	0.07	0.082	15.8	0.08 *J*	0.119 *J*	39.2	0.173	0.165	4.7	0.095	0.085	11	0.26	0.28	7.4	0.11	0.21 *J*	62.5
Organochlorine pesticides																			
Heptachlor epoxide	µg/kg	0.0402 *J*	0.0474 *J*	16.4	0.0388 *J*	0.0503 *J*	25.8	0.0208 *J*	0.0173 *J*	18.4	0.0342 *J*	0.0264 *J*	26	0.0255 *J*	0.0227 *J*	11.6	0.0131 *J*	0.00928 *U*	NA
Endosulfan sulfate	µg/kg	0.43	0.542	23.0	0.491	0.654	28.5	0.0287 *U*	0.0302 *U*	NA	0.0467 *J*	0.0416 *U*	NA	0.393	0.382	2.8	0.42	0.343	20.2
Oxychlordane	µg/kg	0.04 *J*	0.0494 *J*	21.0	0.0456 *J*	0.0648 *J*	34.8	0.0476 *J*	0.0393 *J*	19.1	0.0609 *J*	0.0478 *U*	NA	0.03 *J*	0.033 *J*	9.5	0.0357 *J*	0.0309 *J*	14.4
Aldrin	µg/kg	0.121 *J*	0.131 *J*	7.9	0.111 *J*	0.159 *J*	35.6	0.0176 *J*	0.0164 *J*	7.1	0.0197 *J*	0.0175 *U*	NA	0.177 *J*	0.223 *J*	23.0	0.448 *J*	0.38 *J*	16.4
alpha-Hexachlorocyclohexane	µg/kg	0.00847 *U*	0.00569 *J*	NA	0.00682 *J*	0.00976 *U*	NA	0.0136 *J*	0.00889 *J*	41.9	0.00607 *J*	0.01 *U*	NA	0.011 *J*	0.01 *J*	9.5	0.00714 *U*	0.00769 *J*	NA
beta-Hexachlorocyclohexane	µg/kg	0.0414 *U*	0.0411 *U*	NA	0.0419 *U*	0.0427 *U*	NA	0.00629 *J*	0.00268 *J*	80.5	0.00156 *U*	0.00179 *U*	NA	0.0526 *U*	0.0526 *U*	NA	0.00389 *J*	0.00359 *U*	NA
delta-Hexachlorocyclohexane	µg/kg	0.00183 *U*	0.00106 *J*	NA	0.00102 *J*	0.00112 *U*	NA	0.00377 *UJ*	0.00212 *U*	NA	0.0182 *U*	0.0183 *U*	NA	0.00106 *U*	0.00127 *U*	NA	0.0181 *U*	0.0193 *U*	NA
beta-Endosulfan	µg/kg	0.118 *J*	0.138 *J*	15.6	0.119 *J*	0.167 *J*	33.6	0.059 *U*	0.0205 *U*	NA	0.0614 *U*	0.0619 *U*	NA	0.0788 *J*	0.0989 *J*	22.6	0.113 *J*	0.0753 *U*	NA
2,4'-DDE	µg/kg	0.511	0.574	11.6	0.103 *U*	0.141 *J*	NA	0.0204 *J*	0.0224 *J*	9.3	0.0158 *J*	0.0139 *J*	13	0.439	0.57	26.0	0.264	0.226 *J*	15.5
trans-Nonachlor	µg/kg	0.816	0.934	13.5	0.769	1.06	31.8	0.884	0.798	10.2	0.993	0.933	6	0.643	0.667	3.7	0.656	0.517	23.7
4,4'-DDT	µg/kg	1.32	1.75	28.0	0.55	0.718	26.5	0.0888 *J*	0.0802 *J*	10.2	0.0967 *J*	0.121 *J*	22	0.472	0.286 *J*	49.1	0.126 *J*	0.119 *J*	5.7

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Table B-8b. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006	LW2-BTFC006	RPD	LW2-BTFC027	LW2-BTFC027	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
		Rep 1	Rep 2		Rep 1	Rep 2													
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
cis-Chlordane	µg/kg	0.732	0.863	16.4	0.609	0.772	23.6	0.621	0.529	16.0	0.533	0.549	3	1.06	1.04	1.9	1.09	0.947	14.0
cis-Nonachlor	µg/kg	0.279 *J*	0.349 *J*	22.3	0.281 *J*	0.356 *J*	23.5	0.319 *J*	0.277 *J*	14.1	0.328 *J*	0.281 *J*	15	0.301 *J*	0.327 *J*	8.3	0.343 *J*	0.288 *J*	17.4
trans-Chlordane	µg/kg	0.57	0.665	15.4	0.426 *J*	0.544	24.3	0.36 *J*	0.328 *J*	9.3	0.339 *J*	0.364 *J*	7	0.807	0.923	13.4	0.775	0.646	18.2
2,4'-DDD	µg/kg	1.84	2.61	34.6	0.392	0.578	38.4	0.208 *J*	0.226	8.3	0.165 *J*	0.121 *J*	31	2.06	2.69	26.5	1.31	1.26	3.9
Endrin ketone	µg/kg	0.00267 *U*	0.00304 *J*	NA	0.00201 *J*	0.00165 *J*	19.7	0.0382 *U*	0.0375 *U*	NA	0.0397 *U*	0.0401 *U*	NA	0.00107 *J*	0.04 *U*	NA	0.0396 *U*	0.0421 *U*	NA
gamma-Hexachlorocyclohexane	µg/kg	0.0406 *J*	0.0414 *J*	2.0	0.0495 *J*	0.0693 *U*	NA	0.0576 *J*	0.0529 *J*	8.5	0.051 *J*	0.0519 *J*	2	0.019 *J*	0.016 *J*	17.1	0.00879 *U*	0.00666 *J*	NA
Dieldrin	µg/kg	0.575	0.691	18.3	0.521	0.712	31.0	0.179	0.169 *J*	5.7	0.222	0.189	16	0.473	0.45	5.0	0.27	0.216	22.2
Endrin	µg/kg	0.0054 *U*	0.0101 *J*	NA	0.00518 *J*	0.00772 *J*	39.4	0.0244 *U*	0.024 *U*	NA	0.00289 *U*	0.00368 *U*	NA	0.00727 *J*	0.0256 *U*	NA	0.00457 *U*	0.0269 *U*	NA
Methoxychlor	µg/kg	0.0221 *U*	0.0222 *U*	NA	0.0186 *U*	0.0258 *U*	NA	0.0183 *U*	0.018 *U*	NA	0.019 *U*	0.0192 *U*	NA	0.019 *U*	0.0191 *U*	NA	0.019 *U*	0.0202 *U*	NA
4,4'-DDD	µg/kg	8.08	10.4	25.1	1.81	2.64	37.3	0.624	0.751	18.5	0.615	0.484	24	13.3	16.9	23.8	7.5	6.53	13.8
4,4'-DDE	µg/kg	8.84	10	12.3	5.19	7.07	30.7	0.612	0.601	1.8	0.832	0.731	13	12.2	14	13.7	13.9	11.5	18.9
Endrin aldehyde	µg/kg	0.0189 *U*	0.0188 *U*	NA	0.0192 *U*	0.0192 *U*	NA	0.0183 *U*	0.018 *U*	NA	0.0191 *U*	0.0192 *U*	NA	0.0191 *U*	0.0192 *U*	NA	0.019 *U*	0.0202 *U*	NA
Heptachlor	µg/kg	0.0129 *J*	0.0185 *U*	NA	0.00927 *J*	0.0114 *U*	NA	0.0196 *U*	0.0199 *J*	NA	0.0205 *J*	0.0211 *J*	3	0.013 *J*	0.012 *J*	8.0	0.00507 *J*	0.00589 *J*	15.0
2,4'-DDT	µg/kg	0.395	0.55	32.8	0.16 *J*	0.194 *J*	19.2	0.0274 *J*	0.0275 *J*	0.4	0.0261 *J*	0.0388 *J*	39	0.067 *J*	0.067 *J*	0.0	0.0232 *J*	0.0342 *J*	38.3
alpha-Endosulfan	µg/kg	0.122 *J*	0.131 *J*	7.1	0.101 *J*	0.126 *J*	22.0	0.0229 *U*	0.0225 *U*	NA	0.0139 *U*	0.0195 *U*	NA	0.0483 *J*	0.0496 *J*	2.7	0.0219 *J*	0.0267 *J*	19.8
PAHs																			
Anthracene	µg/kg	9	9.5	5.4	1.1	1.4	24.0	0.93	0.85	9.0	1.9	1	62	5	7.7	42.5	3.7	2.9	24.2
Pyrene	µg/kg	140	150	6.9	6	7.8	26.1	13	12	8.0	6.7	5.9	13	160	210	27.0	38	35	8.2
Benzo(g,h,i)perylene	µg/kg	10	9.2	8.3	0.4 *J*	0.57	35.1	0.37 *J*	0.35 *J*	5.6	0.17 *U*	0.17 *U*	NA	20	25	22.2	4.4	4.2	4.7
Indeno(1,2,3-cd)pyrene	µg/kg	5.3	6.1	14.0	0.16 *U*	0.16 *U*	NA	0.16 *U*	0.16 *U*	NA	0.16 *U*	0.16 *U*	NA	13	17	26.7	2.3	2.2	4.4
Benzo(b)fluoranthene	µg/kg	39	38	2.6	0.91	1	9.4	0.99	1	1.0	0.3 *J*	0.15 *U*	NA	82	110	29.2	12	11	8.7
Fluoranthene	µg/kg	86	94	8.9	6.7	9	29.3	7.3	7	4.2	8.1	6.7	19	90	130	36.4	41	37	10.3
Benzo(k)fluoranthene	µg/kg	15	15	0.0	0.42 *J*	0.52	21.3	0.46 *J*	0.36 *J*	24.4	0.13 *U*	0.13 *U*	NA	45	57	23.5	7.3	6.7	8.6
Acenaphthylene	µg/kg	0.81	0.84	3.6	0.28 *J*	0.092 *U*	NA	0.31 *J*	0.19 *J*	48.0	0.092 *U*	0.092 *U*	NA	2.3	1.3	55.6	2.8	4.2	40.0
Chrysene	µg/kg	110	110	0.0	4.5	5.7	23.5	3.9	3.8	2.6	1.9	1.7	11	130	170	26.7	26	25	3.9
Benzo(a)pyrene	µg/kg	15	15	0.0	1.2	1.6	28.6	0.64	0.67	4.6	0.57	0.12 *U*	NA	17	25	38.1	3.5	3.5	0.0
Dibenz(a,h)anthracene	µg/kg	2.4	3.2	28.6	0.11 *U*	0.11 *U*	NA	0.11 *U*	0.11 *U*	NA	0.11 *U*	0.11 *U*	NA	3.6	4.3	17.7	0.11 *U*	0.22 *U*	NA
Benz(a)anthracene	µg/kg	56	56	0.0	2.3	3.6	44.1	1.1	1.1	0.0	0.81	0.65	22	40	56	33.3	11	11	0.0
Acenaphthene	µg/kg	1.2	1.2	0.0	0.22 *J*	0.091 *U*	NA	0.29 *J*	0.2 *J*	36.7	0.22 *J*	0.22 *J*	0	2.1	3.3	44.4	3.1	3.5	12.1
Phenanthrene	µg/kg	25	27	7.7	3.4	4.8	34.1	4.4	4	9.5	5.1	4	24	11	15	30.8	14	9.7	36.3
Fluorene	µg/kg	3.9	4.3	9.8	0.83	1.1	28.0	0.68	0.64	6.1	0.63	0.66	5	2	3.6	57.1	4	3.2	22.2
Naphthalene	µg/kg	2.1 *U*	2 *U*	NA	0.97 *U*	1.1 *U*	NA	1 *U*	0.64 *U*	NA	0.57 *U*	0.63 *U*	NA	0.94 *U*	0.94 *U*	NA	1.4 *U*	1.1 *U*	NA
2-Methylnaphthalene	µg/kg	1.5	1.5	0.0	0.69 *U*	1.3	NA	0.87 *U*	0.52 *U*	NA	0.62 *U*	0.75 *U*	NA	0.91 *J*	1.1	18.9	0.15 *U*	1.7 *J*	NA
PCB Aroclors																			
Aroclor 1260	pg/g	62300 *NJ*	68100 *NJ*	8.9	11400 *NJ*	17400 *NJ*	41.7	3540 *NJ*	3310 *NJ*	6.7	4890 *NJ*	3220 *NJ*	41	49300 *NJ*	59900 *NJ*	19.4	20600 *NJ*	22300 *NJ*	7.9
Aroclor 1254	pg/g	256000 *NJ*	275000 *NJ*	7.2	17600 *NJ*	31600 *NJ*	56.9	10400 *NJ*	11200 *NJ*	7.4	8490 *NJ*	7560 *NJ*	12	304000 *NJ*	368000 *NJ*	19.0	44500 *NJ*	34300 *NJ*	25.9
Aroclor 1221	pg/g	0.876 *U*	0.717 *U*	NA	0.421 *U*	0.882 *U*	NA	0.633 *U*	0.688 *U*	NA	0.262 *U*	0.398 *U*	NA	0.274 *U*	0.412 *U*	NA	1.31 *U*	1.4 *U*	NA
Aroclor 1232	pg/g	0.576 *U*	0.394 *U*	NA	0.206 *U*	0.338 *U*	NA	0.549 *U*	0.721 *U*	NA	0.253 *U*	0.396 *U*	NA	0.374 *U*	0.478 *U*	NA	1.75 *U*	0.704 *U*	NA
Aroclor 1248	pg/g	118 *U*	25.3 *U*	NA	5.17 *U*	3.13 *U*	NA	3.29 *U*	5.44 *U*	NA	3.16 *U*	3.73 *U*	NA	150 *U*	171 *U*	NA	15.4 *U*	6.4 *U*	NA
Aroclor 1016	pg/g	2.15 *U*	2.34 *U*	NA	0.811 *U*	1.7 *U*	NA	1.22 *U*	1.33 *U*	NA	0.505 *U*	0.767 *U*	NA	9.51 *U*	9.9 *U*	NA	2.52 *U*	2.7 *U*	NA
Aroclor 1242	pg/g	52000 *NJ*	71400 *NJ*	31.4	2100 *NJ*	4380 *NJ*	70.4	8850 *NJ*	9430 *NJ*	6.3	10100 *NJ*	9830 *NJ*	3	41600 *NJ*	57400 *NJ*	31.9	3770 *NJ*	2800 *NJ*	29.5
PCB congener homologs																			
Trichlorobiphenyl	pg/g	32400	44300	31.0	1990 *J*	19000 *J*	162.1	3470	3750	7.8	3450	3340	3	24900	34300	31.8	3240	2440 *J*	28.2
Pentachlorobiphenyl	pg/g	174000	185000	6.1	12100 *J*	22900 *J*	61.7	7510	7960	5.8	5890	5340	10	200000	244000	19.8	29100	22500	25.6
Dichlorobiphenyl	pg/g	3800	5100	29.2	1090 *J*	16400 *J*	175.1	3140	3150	0.3	3890	3730	4	2250	2940	26.6	998	602 *J*	49.5
Hexachlorobiphenyl	pg/g	148000	162000	9.0	18700	30900	49.2	8890	8710	2.0	9420	7700	20	155000	187000	18.7	46500	41200	12.1
Tetrachlorobiphenyl	pg/g	81900	106000	25.7	6540 *J*	21200 *J*	105.7	3310	3890	16.1	2470	2120	15	91100	126000	32.2	15300	12800	17.8
Monochlorobiphenyl	pg/g	28.4	36.9	26.0	3.91 *J*	20.4 *J*	135.7	175	159	9.6	228	161	34	24.4	39.1	46.3			NA
Heptachlorobiphenyl	pg/g	34300	36500	6.2	6230 *J*	10600 *J*	51.9	1640	1560	5.0	2800	1540	58	43600	50600	14.9	18400	18400	0.0
Nonachlorobiphenyl	pg/g	471	466	1.1	57.5 *J*	96.2 *J*	50.4	120	114	5.1	136	117	15	1110	1230	10.3	246	233	5.4
Octachlorobiphenyl	pg/g	5100	5600	9.3	833 *J*	1460 *J*	54.7	341	332	2.7	617	326	62	8630	10100	15.7	2960	2990	1.0
PCB congeners																			
2,2'-Dichlorobiphenyl	pg/g	1280	1790	33.2	621 *J*	15500 *J*	184.6	787 *J*	754 *J*	4.3	933	845	10	249	347	32.9	544	255 *J*	72.3
Polychlorinated biphenyls	pg/g	480000	546000	12.9	47700 *J*	123000 *J*	88.2	28700	29700	3.4	29000	24500	17	527000	656000	21.8	117000	101000	14.7
2,2',6,6'-Tetrachlorobiphenyl	pg/g	67.9	76.7	12.2	28.5 *J*	702 *J*	184.4	3.73	4.54	19.6	10.6	10.7	1	69.3	81.9	16.7	192	179	7.0
2,3-Dichlorobiphenyl	pg/g	21.4	32.6	41.5	0.769	0.436 *U*	NA	28.7 *J*	30 *J*	4.4	38.2	36.8	4	9.58	15.8	49.0	2.04 *J*	1.17 *J*	54.2
2,4',5-Trichlorobiphenyl	pg/g	5190	7020	30.0	145 *J*	268 *J*	59.6	538	569	5.6	473	478	1	4480	6270	33.3	380	303 *J*	22.5
3,3'-Dichlorobiphenyl	pg/g	171	190	10.5	385	470	19.9	276 *J*	281 *J*	1.8	284	309	8	189	182	3.8	223	185 *J*	18.6
4,4'-Dichlorobiphenyl	pg/g	804	1040	25.6	19.1	24.2	23.6	425	386	9.6	395	401	2	876	1070	19.9	56.5	41 *J*	31.8
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	pg/g	62.5	61.3	1.9	23.8	34	35.3	71.9	67.1	6.9	73.2	72.1	2	135	139	2.9	85.2	65.4	26.3

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Table B-8b. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006 Rep 1	LW2-BTFC006 Rep 2	RPD	LW2-BTFC027 Rep 1	LW2-BTFC027 Rep 2	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
2-Chlorobiphenyl	pg/g	18.5	24.2	26.7	2.47 *J*	18.6 *J*	153.1	126	116 *J*	8.3	163	117	33	13	21.9	51.0			NA
3-Chlorobiphenyl	pg/g	2.59	2.95	13.0	1.44	1.79	21.7	9.14	9.19 *J*	0.5	12	8.55	34	3.23	4.97	42.4			NA
4-Chlorobiphenyl	pg/g	7.27	9.73	28.9	1.42 *U*	1.47 *U*	NA	39.5	34.4 *J*	13.8	53	35.5	40	8.13	12.1	39.2			NA
2,2',3,3',5,5',6,6'-Octachlorobiphenyl	pg/g	831	913	9.4	157 *J*	286 *J*	58.2	79.4	74.8	6.0	103	81.1	24	673	747	10.4	224	194	14.4
2,3'-Dichlorobiphenyl	pg/g	276	397	36.0	19.4 *J*	86.4 *J*	126.7	246 *J*	245 *J*	0.4	329	320	3	122	188	42.6	25	17.9 *J*	33.1
2,3',4,4',5-Pentachlorobiphenyl	pg/g	31300	34000	8.3	2000	2720	30.5	2030	1950	4.0	1900	1790	6	22000	27300	21.5	2540	2020	22.8
2,3',4,4'-Tetrachlorobiphenyl	pg/g	7170	8260	14.1	489	768	44.4	334	393	16.2	231	203	13	7850	11600	38.6	1040	898	14.7
3,3',4,4'-Tetrachlorobiphenyl	pg/g	551	667	19.0	44.7 *J*	67.3	40.4	34.5	37.7	8.9	28.5	24.9	13	727	892	20.4	69.9	61.5	12.8
2,3,3',4,4'-Pentachlorobiphenyl	pg/g	6980	7400	5.8	452	652	36.2	375	392	4.4	308	295	4	7510	9520	23.6	745	613	19.4
3,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	0.529 *U*	0.53 *U*	NA	0.539 *U*	0.54 *U*	NA	0.512 *U*	0.505 *U*	NA	0.537 *U*	0.54 *U*	NA	0.538 *U*	0.542 *U*	NA	10.5 *U*	0.565 *U*	NA
2,3,4,4'-Tetrachlorobiphenyl	pg/g	1280	1510	16.5	80.2	118	38.1	61.8	75.4	19.8	44.2	38.4	14	1760	2130	19.0	151	125	18.8
2,6-Dichlorobiphenyl	pg/g	20.9 *J*	38.4 *J*	59.0	5.99 *J*	175 *J*	186.8	22 *J*	20.9 *J*	5.1	26.9	25	7	15	24.5	48.1	8.23	4.61 *J*	56.4
2,4-Dichlorobiphenyl	pg/g	34.1	46.9	31.6	0.818 *J*	5.6 *J*	149.0	46.4 *J*	43.8 *J*	5.8	65.3	58.6	11	28	43.3	42.9	7.06	3.87 *J*	58.4
3,3',5,5'-Tetrachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	1.46	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	16.7 *U*	2.78	NA
2,2',4,4',6,6'-Hexachlorobiphenyl	pg/g	4.29	4.62	7.4	4.21	19.2 *J*	128.1	0.736	0.643	13.5	1.3	1.13	14	3.62	3.75	3.5	11.8	9.75	19.0
2,5-Dichlorobiphenyl	pg/g	54	72.3	29.0	0.985 *J*	5.98 *J*	143.4	58.2 *J*	56.7 *J*	2.6	77.5	72.7	6	35.6	58	47.9	7.9	4.52 *J*	54.4
3,5-Dichlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *UJ*	0.544 *UJ*	NA	0.578 *U*	0.582 *U*	NA	0.306 *J*	0.428 *J*	33.2	4.57 *U*	0.609 *UJ*	NA
2,4'-Dichlorobiphenyl	pg/g	1040	1370	27.4	31.7 *J*	107 *J*	108.6	1180 *J*	1260 *J*	6.6	1680	1600	5	643	909	34.3	112	77.8 *J*	36.0
2,2',3,3',4,4',5-Heptachlorobiphenyl	pg/g	1300	1400	7.4	178 *J*	304 *J*	52.3	47.2	50.9	7.5	100	37.9	90	3970	4540	13.4	1470	1350	8.5
2,2',5,5'-Tetrachlorobiphenyl	pg/g	11800	16200	31.4	922 *J*	2870 *J*	102.7	492	580	16.4	335	272	21	17900	24800	32.3	2930	2540	14.3
2,2',3,3',5,5'-Hexachlorobiphenyl	pg/g	434	515	17.1	95.6 *J*	270 *J*	95.4	23.2	23.5	1.3	59.2	21.7	93	491	579	16.4	320	317	0.9
2,2',3,4,4',5-Hexachlorobiphenyl	pg/g	693	902	26.2	43	53.9	22.5	60.6	62	2.3	46.7	49.3	5	555	873	44.5	76	86.9	13.4
2,2',3,3',4,4',5,5'-Octachlorobiphenyl	pg/g	165	197	17.7	23.6 *J*	45.7 *J*	63.8	7.66	8.64	12.0	26.6	6.23	124	931	1190	24.4	376	473	22.9
2,2',3,4'-Tetrachlorobiphenyl	pg/g	4150	5810	33.3	306	471	42.5	202	221	9.0	164	148	10	2930	3860	27.4	251	204	20.7
2,2',4-Trichlorobiphenyl	pg/g	2070	3010	37.0	286 *J*	4730 *J*	177.2	277	303	9.0	355	332	7	1020	1640	46.6	417	278 *J*	40.0
2,3',5'-Trichlorobiphenyl	pg/g	20.8	27	25.9	0.995 *J*	2.88 *J*	97.3	1.85	1.67	10.2	1.89	1.74	8	19.4	29.9	42.6	4.57 *J*	3.62 *J*	23.2
3,3',4-Trichlorobiphenyl	pg/g	108	109	0.9	5.77	9.4	47.9	10.5	11.8	11.7	7.02	8.2	16	98.5	105	6.4	10.1	8.75 *J*	14.3
2,2',3,3',4,6'-Hexachlorobiphenyl	pg/g	7280	8280	12.9	659	1080	48.4	274	308	11.7	197	146	30	10800	12000	10.5	2040	1580	25.4
2,2',3,3',6,6'-Hexachlorobiphenyl	pg/g	2660	2610	1.9	391 *J*	897 *J*	78.6	83.9	99.3	16.8	83.1	51.6	47	3860	4430	13.8	1510	1130	28.8
2,2',3,3',4,5,6'-Heptachlorobiphenyl	pg/g	1540	1660	7.5	246	356	36.5	63.7	66.3	4.0	124	43.7	96	3690	4550	20.9	1600	1560	2.5
2,2',6-Trichlorobiphenyl	pg/g	654	819	22.4	327 *J*	9650 *J*	186.9	116	115	0.9	141	119	17	551	657	17.5	724	526 *J*	31.7
2,3',6-Trichlorobiphenyl	pg/g	857	1230	35.7	157 *J*	1840 *J*	168.6	53	61.3	14.5	55.1	52.3	5	330	484	37.8	84.3	64.3 *J*	26.9
2,4',6-Trichlorobiphenyl	pg/g	1200	1700	34.5	62.4 *J*	429 *J*	149.2	161	174	7.8	154	142	8	1340	1850	32.0	154	118 *J*	26.5
2,2',3-Trichlorobiphenyl	pg/g	2140	3280	42.1	138	177	24.8	258	278	7.5	303	287	5	744	1130	41.2	76.7	51.1 *J*	40.1
2,3,4'-Trichlorobiphenyl	pg/g	2670	3240	19.3	118	170	36.1	258	299	14.7	228	219	4	1980	2470	22.0	126	105 *J*	18.2
3,3',5-Trichlorobiphenyl	pg/g	2.18 *J*	0.571 *UJ*	NA	1.94	2.14	9.8	1.77	1.88	6.0	1.32	1.51	13	3.08 *U*	2.21 *U*	NA	3.85 *J*	3.31 *J*	15.1
3,4',5-Trichlorobiphenyl	pg/g	66.2	91	31.6	3.62	6.02	49.8	3.54	4.07	13.9	2.05	2.05	0	0.574 *U*	0.578 *U*	NA	8.35	8.05 *J*	3.7
3,4,4'-Trichlorobiphenyl	pg/g	1620	2060	23.9	53.3	81.9	42.3	93.7	109	15.1	57.1	56.3	1	1860	2290	20.7	96.2	78.5	20.3
2,3,3',4,4',5,5'-Heptachlorobiphenyl	pg/g	44.9	48.4	7.5	5.57 *J*	10.1 *J*	57.8	1.81	1.89	4.3	4.23	1.38	102	178	202	12.6	66.4	59.4	11.1
2,3,3',5,5'-Pentachlorobiphenyl	pg/g	16.4	14.4 *U*	NA	4.68 *UJ*	16.9 *J*	NA	0.618 *U*	0.497 *J*	NA	2.29	0.788	98	15.1 *U*	16.5	NA	20.1	19.5	3.0
3,3',4,5,5'-Pentachlorobiphenyl	pg/g	21.4	24.6	13.9	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	1.72	1.68	2	0.58 *U*	0.584 *U*	NA	3.92 *J*	3.84	2.1
2,3,3',4',5,5'-Hexachlorobiphenyl	pg/g	65.8	84.3	24.7	5.25 *J*	9.41 *J*	56.8	3.77	3.97	5.2	3.24	3.49	7	104	131	23.0	20.2	16.3	21.4
2,3,3',4,5,5'-Hexachlorobiphenyl	pg/g	60.7	81.9	29.7	10.7	15.1	34.1	2.43	2.71	10.9	5.11	1.83	95	151	185	20.2	80.5	74.5	7.7
2,2',3,3',4,5',6-Heptachlorobiphenyl	pg/g	290	300	3.4	41.8	68.6	48.6	8.37	8.25	1.4	12	7.63	45	182	212	15.2	81.4	65	22.4
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	pg/g	400	418	4.4	64.2 *J*	120 *J*	60.6	20.9	18.9	10.1	34.4	20.1	52	368	410	10.8	146	104	33.6
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	pg/g	293	289	1.4	33.9 *J*	58.3 *J*	52.9	64.6	61.9	4.3	76.5	64	18	664 *J*	741 *J*	11.0	148	147	0.7
2,2',3,4,5,6-Hexachlorobiphenyl	pg/g	4.51 *J*	0.571 *UJ*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,3',4,4',5,6-Heptachlorobiphenyl	pg/g	949	1090	13.8	179	283	45.0	58.8	56.6	3.8	84.8	56.2	41	1160	1290	10.6	362	360	0.6
2,3',5,5'-Tetrachlorobiphenyl	pg/g	160	179	11.2	11 *J*	44 *J*	120.0	4.72	5.47	14.7	3.4	2.88	17	188	259	31.8	54.1	58.6	8.0
2,3,3',4'-Tetrachlorobiphenyl	pg/g	3020	3500	14.7	191	272	35.0	130	163	22.5	90.4	78.2	14	4040	5050	22.2	368	325	12.4
2,2',3,6'-Tetrachlorobiphenyl	pg/g	353	464	27.2	16 *J*	55.7 *J*	110.7	25.8	29.6	13.7	12.7	11	14	582	763	26.9	64.8	40.9	45.2
3,3',4,5'-Tetrachlorobiphenyl	pg/g	327	457	33.2	30.5	45.5	39.5	26.1	27	3.4	16.8	15	11	353	403	13.2	43.1	43.4	0.7
2,3,3',5'-Tetrachlorobiphenyl	pg/g	30	49.5	49.1	0.581 *U*	0.582 *U*	NA	1.29	1.31	1.5	0.601	0.582 *U*	NA	44.4	56.4	23.8	8.65	7.7	11.6
2,2',3,3',4,4',5,6'-Octachlorobiphenyl	pg/g	402	441	9.3	60.1 *J*	108 *J*	57.0	18.8	19.9	5.7	51.3	15.7	106	478	593	21.5	189	222	16.1
2,2',3,4',5,5'-Hexachlorobiphenyl	pg/g	4560	5250	14.1	755 *J*	1460 *J*	63.7	287	279	2.8	525	251	71	5390	6290	15.4	2360	2410	2.1
2,3,4',6-Tetrachlorobiphenyl	pg/g	3600	4400	20.0	154	234	41.2	160	192	18.2	87	78.1	11	5840	7350	22.9	411	320	24.9
2,2',3,3',6-Pentachlorobiphenyl	pg/g	4930	4730	4.1	225 *J*	379 *J*	51.0	208	240	14.3	56.9	53.8	6	6040	6930	13.7	567	356	45.7
2,2',3,5,5'-Pentachlorobiphenyl	pg/g	5360	5180	3.4	372 *J*	777 *J*	70.5	154	175	12.8	140	96.7	37	5860	8280	34.2	1440	1080	28.6
2,2',3,3',4-Pentachlorobiphenyl	pg/g	1960	1890	3.6	88.4	128	36.6	71.7	88.6	21.1	23.1	21.5	7	2890	3260	12.0	225	169	28.4
2,2',3,3',5,6,6'-Heptachlorobiphenyl	pg/g	2500	2580	3.1	478 *J*	888 *J*	60.0	80.9	90.1	10.8	171	74.1	79	2800	3090	9.8	1260	1070	16.3

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Table B-8b. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006	LW2-BTFC006	RPD	LW2-BTFC027	LW2-BTFC027	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
		Rep 1	Rep 2		Rep 1	Rep 2													
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
2,2',3,3',4,6,6'-Heptachlorobiphenyl	pg/g	783	808	3.1	131	211	46.8	20.1	22.7	12.1	35.4	19.2	59	823	936	12.8	322	293	9.4
2,2',3,3',4,5'-Hexachlorobiphenyl	pg/g	1630	2000	20.4	156	256	48.5	86.2	91.5	6.0	84.8	71.3	17	2140	2520	16.3	396	389	1.8
2,2',3,3',5,5',6-Heptachlorobiphenyl	pg/g	1470	1610	9.1	327 *J*	650 *J*	66.1	67.5	62.7	7.4	148	70.2	71	1330	1460	9.3	702	594	16.7
2,2',3,4',5,5',6-Heptachlorobiphenyl	pg/g	9120	9340	2.4	1620 *J*	3000 *J*	59.7	414	385	7.3	792	422	61	17700	20600	15.1	7650	8010	4.6
2,2',3,3',4,5',6'-Heptachlorobiphenyl	pg/g	3110	3320	6.5	594 *J*	1060 *J*	56.3	140	130	7.4	316	131	83	3560	3840	7.6	1390	1160	18.0
2,3',4,4',5,5'-Hexachlorobiphenyl	pg/g	2220	2310	4.0	256	312	19.7	207	193	7.0	202	192	5	1200	1440	18.2	204	184	10.3
2,2',3,3',4,5,5'-Heptachlorobiphenyl	pg/g	174	184	5.6	22.7 *J*	38.3 *J*	51.1	6.89	7.52	8.7	16.6	5.72	97	679	791	15.2	289	264	9.0
2,2',3,4,4',5,5',6-Octachlorobiphenyl	pg/g	1650	1800	8.7	258 *J*	436 *J*	51.3	124	116	6.7	183	119	42	1770	2040	14.2	545	548	0.5
2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	pg/g	128	127	0.8	16.4	25.3	42.7	45.2	42.7	5.7	47:5	42.7	11	261	286	9.1	73.3	63.7	14.0
2,2',3,3',4,4',5,6-Octachlorobiphenyl	pg/g	519	566	8.7	91.6	173	61.5	25.6	26.8	4.6	67.2	23.3	97	701	789	11.8	261	245	6.3
2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	pg/g	50.8	50.9	0.2	7.24 *J*	12.6 *J*	54.0	10.2	9.32	9.0	11.6	9.78	17	187 *J*	204 *J*	8.7	24.4	21.8	11.3
2,2',3,4,5,5'-Hexachlorobiphenyl	pg/g	891	1180	27.9	115	163	34.5	68.8	75.9	9.8	37.5	31.9	16	1540	2480	46.8	634	847	28.8
3,4,5-Trichlorobiphenyl	pg/g	12.9	17.3	29.1	0.949	1.18	21.7	0.367 *U*	0.544 *U*	NA	0.287 *J*	0.201 *U*	NA	10.5 *U*	10.9	NA	2.41 *J*	1.21 *J*	66.3
2,3,6-Trichlorobiphenyl	pg/g	44.5 *J*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	6.66	7.44	11.1	8.24	8.33	1	37.9	62.2	48.6	3.14 *J*	1.93 *J*	47.7
2,3',4-Trichlorobiphenyl	pg/g	573	754	27.3	44.1 *J*	220 *J*	133.2	50.8	55.5	8.8	48.2	47.1	2	504	713	34.3	79.5	70.7 *J*	11.7
2,3,5-Trichlorobiphenyl	pg/g	6.5	8.49	26.6	0.581 *U*	0.582 *U*	NA	0.819	0.887	8.0	0.925 *U*	0.834	NA	4.28	6.89	46.7	4.57 *U*	0.609 *UJ*	NA
2,2',4,6,6'-Pentachlorobiphenyl	pg/g	14.5	19.4	28.9	9.78 *J*	74.4 *J*	153.5	0.334 *U*	0.462 *J*	NA	1.36	1.05	26	11.9	14.1	16.9	38.6	33.4	14.4
2,3',4,5',6-Pentachlorobiphenyl	pg/g	10.2	10.7	4.8	9.36 *J*	57 *J*	143.6	0.552 *U*	0.301 *U*	NA	1.62	0.767	71	0.58 *U*	7.78	NA	33.7	24.8	30.4
3,3',4,4',5-Pentachlorobiphenyl	pg/g	38.4	39.3	2.3	3.84	5.67	38.5	3	3	0.0	2.92	3.15	8	51.3	63.6	21.4	9.86 *U*	7.48	NA
2,2',4,5',6-Pentachlorobiphenyl	pg/g	223	250	11.4	93.6 *J*	438 *J*	129.6	6.35	6.66	4.8	16.7	10.1	49	266	331	21.8	412	302	30.8
2,2',3,4,4',5,6'-Heptachlorobiphenyl	pg/g	15.9 *J*	0.571 *UJ*	NA	0.581 *UJ*	8.32 *J*	NA	0.552 *U*	1.56 *U*	NA	5.44	0.936	141	0.58 *U*	0.584 *U*	NA	8.73	18.9	73.6
2,2',3,3',4,6-Hexachlorobiphenyl	pg/g	484	600	21.4	28.2	40.3	35.3	14.1	14.8	4.8	8.14	7.72	5	331	386	15.3	39.4	29.7	28.1
2,3',4,4',5'-Pentachlorobiphenyl	pg/g	473	497	4.9	39.2	42.9	9.0	42.8	40.9	4.5	39.1	36.7	6	445	497	11.0	39.4 *U*	28.8	NA
2,2',3,4',6,6'-Hexachlorobiphenyl	pg/g	42.2	42.1	0.2	26.5 *J*	129 *J*	131.8	1.11	1.32	17.3	9.05	2.17	123	52.9	61.6	15.2	116	99.8	15.0
2,2',3,5,6,6'-Hexachlorobiphenyl	pg/g	26.2	27.8	5.9	7.03 *J*	27 *J*	117.4	0.835	0.896	7.0	1.5	0.739	68	31	36.4	16.0	25.1	15.8	45.5
2,3',4,5,5'-Pentachlorobiphenyl	pg/g	103	98.4	4.6	20.1 *J*	51.1 *J*	87.1	5.59	5.31	5.1	10.7	5.79	60	87.9	98.7	11.6	70.2	70.3	0.1
2,2',3,4,5',6-Hexachlorobiphenyl	pg/g	1260	1260	0.0	136	198	37.1	41.2	43.6	5.7	24.5	24	2	1230	1550	23.0	309	288	7.0
2,2',3,5-Tetrachlorobiphenyl	pg/g	302	445	38.3	12.5 *J*	0.582 *UJ*	NA	13.1	15.3	15.5	8.24	7.53	9	410	605	38.4	31.8	24.4	26.3
2,2',4,5-Tetrachlorobiphenyl	pg/g	1970	2810	35.1	116	188	47.4	85.1	96.4	12.5	68.8	59.6	14	1670	2480	39.0	144	117	20.7
3,3',4,5-Tetrachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
3,4,4',5-Tetrachlorobiphenyl	pg/g	20.5	28.9 *U*	NA	1.53 *U*	2.96 *UJ*	NA	1.06	1.13 *U*	NA	1.45 *U*	1.11 *U*	NA	22.6	30.4	29.4	3.87 *U*	2.46	NA
2,3,3',5-Tetrachlorobiphenyl	pg/g	53.8	66.6	21.3	2.5 *J*	5.51 *J*	75.2	1.51	1.59	5.2	0.907	0.582 *U*	NA	56.6	83.2	38.1	7.31	6.63	9.8
2,3,3',4,5-Pentachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3',4,5'-Tetrachlorobiphenyl	pg/g	90.1	101	11.4	12.2 *J*	58.6 *J*	131.1	3.48	3.78	8.3	3.96	3.55	11	128	171	28.8	61.9	67.4	8.5
2,3',4,5-Tetrachlorobiphenyl	pg/g	366	503	31.5	21.8 *J*	47.1 *J*	73.4	12.5	15.1	18.8	8.47	7.09	18	371	501	29.8	43.1	39.6	8.5
2,2',3,6,6'-Pentachlorobiphenyl	pg/g	106	116	9.0	20.9 *J*	135 *J*	146.4	4.28	4.55	6.1	4.73	3.19	39	149	176	16.6	86.6	49	55.5
2,2',3,5,6'-Pentachlorobiphenyl	pg/g	127	146	13.9	25.3 *J*	151 *J*	142.6	4.11	4.44	7.7	6.94	3.71	61	157	193	20.6	149	94.1	45.2
2,2',3,4,6'-Pentachlorobiphenyl	pg/g	169	165	2.4	9.11	13.8	40.9	6.96	8.5	19.9	2.79	2.31	19	213	248	15.2	21.8	13	50.6
2,3',5',6-Tetrachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	12.1 *J*	120 *J*	163.4	0.552 *U*	0.544 *U*	NA	2.29	1.96	16	0.58 *U*	0.584 *U*	NA	58.7	56.1	4.5
2,3,3',4-Tetrachlorobiphenyl	pg/g	94.6 *J*	0.571 *UJ*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	2.35	2.34	0	167	239	35.5	8.05	16.6	69.4
2,3,4',5-Tetrachlorobiphenyl	pg/g	330	401	19.4	19.8 *J*	34.8 *J*	54.9	13.2	15.5	16.0	10.3	8.41	20	403	554	31.6	56.2	46.9	18.0
2,3,3',4,6-Pentachlorobiphenyl	pg/g	1560	1900	19.7	118 *J*	225 *J*	62.4	71	73.5	3.5	76.5	62	21	1870	2250	18.4	282	247	13.2
2,3,3',5,6-Pentachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,4,4',5-Pentachlorobiphenyl	pg/g	368	397	7.6	26.1	37.8	36.6	19.2	20.2	5.1	18	17.1	5	457	564	21.0	45.5	36.6	21.7
2,2',3,4,6,6'-Hexachlorobiphenyl	pg/g	8.04	7.3	9.6	0.581 *U*	1.07 *U*	NA	0.389 *J*	0.463 *U*	NA	0.193 *U*	0.134 *U*	NA	11.1	12.7	13.4	1.59 *J*	1.08	38.2
2,2',3,4',5,6'-Hexachlorobiphenyl	pg/g	57.9	60.8	4.9	29.2 *J*	127 *J*	125.2	1.68	1.72	2.4	12.1	2.51	131	50.8	57.4	12.2	102	93.5	8.7
2,3,3',4,4',6-Hexachlorobiphenyl	pg/g	2800	3410	19.6	264	387	37.8	147	145	1.4	127	120	6	2640	3250	20.7	496	479	3.5
2,3,3',4,5',6-Hexachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,3',4',5',6-Hexachlorobiphenyl	pg/g	1270	1590	22.4	132	218	49.1	60.4	64.8	7.0	67.6	40.5	50	2480	2990	18.6	640	595	7.3
2,3,3',5',5',6-Hexachlorobiphenyl	pg/g	14.9	18.6	22.1	8.35 *J*	37.8 *J*	127.6	0.413 *U*	0.407 *U*	NA	3.65	0.828	126	0.433 *U*	0.436 *U*	NA	34.8	31.2	10.9
2,2',3,4,4',5,6-Heptachlorobiphenyl	pg/g	43.4	45.8	5.4	4.17	6.88	49.0	3.17	2.83	11.3	3.18	2.74	15	54.2	57.8	6.4	11.9	8.76	30.4
2,2',3,4,4',6,6'-Heptachlorobiphenyl	pg/g	4.88	5.32	8.6	2.31 *J*	4.83 *J*	70.6	0.809	0.717 *U*	NA	1.25	1.15	8	4.95	5.14	3.8	3.47 *U*	3.06	NA
2,2',3,4,5,6,6'-Heptachlorobiphenyl	pg/g	0.677	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	4.57 *U*	0.609 *U*	NA
2,3,3',4,4',5',6-Heptachlorobiphenyl	pg/g	157	173	9.7	25	41.5	49.6	7.18	7.07	1.5	11.2	5.45	69	106	136	24.8	44.3	51.7	15.4
2,3,3',4,5,5',6-Heptachlorobiphenyl	pg/g	0.57 *U*	0.571 *U*	NA	0.581 *U*	0.582 *U*	NA	0.552 *U*	0.544 *U*	NA	0.578 *U*	0.582 *U*	NA	0.58 *U*	0.584 *U*	NA	11.8 *U*	0.609 *U*	NA
2,2',3,4,4',5,6,6'-Octachlorobiphenyl	pg/g	0.656	0.663 *U*	NA	0.171 *U*	0.285 *J*	NA	0.143 *J*	0.135 *J*	5.8	0.226 *U*	0.152 *U*	NA	0.747 *U*	0.954 *U*	NA	0.374 *U*	0.37 *J*	NA
2,3,3',4,4',5,5',6-Octachlorobiphenyl	pg/g	77	82	6.3	13.6 *J*	25.3 *J*	60.2	4.66	4.63	0.6	10.9	4.14	90	104	119	13.5	40.9	35.7	13.6
2,2',3,4',5,6,6'-Heptachlorobiphenyl	pg/g	13.1	15.8	18.7	6.91 *J*	32.5 *J*	129.9	0.791	0.828 *U*	NA	3.03	0.966	103	14.3	15.1	5.4	21.8	19.9	9.1
2,3,3',4',5'-Pentachlorobiphenyl	pg/g	221	240	8.2	13.3	16.6	22.1	10.7	11.9	10.6	5.35	6.11	13	346	432	22.1	27	24.8	8.5
PCB012 & 013	pg/g	102	133	26.4	8.48 *J*	32.1 *J*	116.4	66.7 *J*	64.9 *J*	2.7	66.4	66.5	0	81.2	97.2	17.9	11.4	10.9 *J*	4.5

Table B-8b. Field Precision for Tissue Samples.

Location (Tissue Type):		BT006 (Field-Collected Clams)			BT027 (Field-Collected Clams)			BT006 (Bioaccumulation Clams)			BT027 (Bioaccumulation Clams)			BT006 (Bioaccumulation Worms)			BT027 (Bioaccumulation Worms)		
Sample ID:		LW2-BTFC006	LW2-BTFC006	RPD	LW2-BTFC027	LW2-BTFC027	RPD	LW2-BTLC006-1	LW2-BTLC006-2	RPD	LW2-BTLC027-1	LW2-BTLC027-2	RPD	LW2-BTLW006-1	LW2-BTLW006-2	RPD	LW2-BTLW027-1	LW2-BTLW027-2	RPD
		Rep 1	Rep 2		Rep 1	Rep 2													
Sample Date:		12/12/2005	12/12/2005		11/30/2005	11/30/2005		2/24/2006	2/24/2006		1/19/2006	1/19/2006		3/2/2006	3/3/2006		1/11/2006	1/12/2006	
Analyte	Units																		
PCB018 & 030	pg/g	4290	6630	42.9	312 J	727 J	79.9	525	561	6.6	615	586	5	1850	2990	47.1	229	143 J	46.2
PCB020 & 028	pg/g	6820	8790	25.2	211 J	358 J	51.7	702	749	6.5	616	615	0	6890	8950	26.0	534	409 J	26.5
PCB021 & 033	pg/g	2910	3920	29.6	78.4 J	169 J	73.2	317	347	9.0	297	294	1	2310	3300	35.3	193	167 J	14.4
PCB026 & 029	pg/g	1180	1560	27.7	45.7 J	134 J	98.3	98.9	106	6.9	87.9	86	2	887	1300	37.8	113	94.5 J	17.8
PCB040 & 041 & 071	pg/g	4860	6520	29.2	338 J	950 J	95.0	207	251	19.2	121	106	13	5810	7660	27.5	661	557	17.1
PCB044 & 047 & 065	pg/g	16600	21300	24.8	1410 J	4260 J	100.5	541	605	11.2	492	428	14	11900	15700	27.5	2680	2300	15.3
PCB045 & 051	pg/g	1570	2180	32.5	221 J	2040 J	160.9	83.7	94.5	12.1	75.3	64.2	16	1920	2640	31.6	837	625	29.0
PCB049 & 069	pg/g	5530	7360	28.4	534 J	2450 J	128.4	216	259	18.1	187	157	17	7920	10800	30.8	2090	1760	17.1
PCB050 & 053	pg/g	2110	2860	30.2	652 J	3980 J	143.7	83.4	91.1	8.8	94	70.9	28	1580	2230	34.1	975	628	43.3
PCB059 & 062 & 075	pg/g	1220	1690	32.3	72.4 J	152 J	70.9	51	56	9.3	30.2	27.2	10	1220	1630	28.8	121	109	10.4
PCB061 & 070 & 074 & 076	pg/g	14300	18200	24.0	835	1300	43.6	524	659	22.8	343	296	15	15200	23400	42.5	1920	1680	13.3
PCB083 & 099	pg/g	14400	15600	8.0	1110 J	2130 J	63.0	570	617	7.9	522	442	17	18700	22500	18.4	3430	2710	23.5
PCB085 & 116 & 117	pg/g	3480	3270	6.2	216	350	47.3	168	185	9.6	115	112	3	4780	5600	15.8	533	390	31.0
PCB086 & 087 & 097 & 108 & 119 & 125	pg/g	17600	18900	7.1	1080 J	1830 J	51.5	725	788	8.3	540	503	7	19300	23500	19.6	2130	1580	29.6
PCB088 & 091	pg/g	2860	2930	2.4	322 J	1430 J	126.5	114	125	9.2	77.9	64	20	4220	5010	17.1	1230	903	30.7
PCB090 & 101 & 113	pg/g	27100	30100	10.5	2010 J	3590 J	56.4	921	1060	14.0	790	697	13	34600	42800	21.2	5440	4460	19.8
PCB093 & 095 & 098 & 100 & 102	pg/g	26400	27400	3.7	2250 J	5060 J	76.9	806	826	2.5	539	457	16	29200	36100	21.1	5180	3840	29.7
PCB107 & 124	pg/g	859	937	8.7	43.2	64.1	39.0	38	40.8	7.1	28.3	26.4	7	1090	1290	16.8	103	84.3	20.0
PCB110 & 115	pg/g	27200	29100	6.7	1590	2510	44.9	1160	1300	11.4	655	624	5	40000	46800	15.7	4300	3360	24.5
PCB128 & 166	pg/g	3310	3740	12.2	261	388	39.1	211	208	1.4	156	159	2	4960	5320	7.0	604	479	23.1
PCB129 & 138 & 160 & 163	pg/g	31600	35000	10.2	3360	5140	41.9	2000	1980	1.0	2050	1790	14	35700	44400	21.7	9240	9530	3.1
PCB134 & 143	pg/g	1420	1700	17.9	137 J	236 J	53.1	58	61.2	5.4	42	28.7	38	1360	1630	18.1	285	238	18.0
PCB135 & 151 & 154	pg/g	10100	10400	2.9	1500 J	2960 J	65.5	343	375	8.9	492	239	69	14500	17500	18.8	5930	279	182.0
PCB139 & 140	pg/g	453	552	19.7	47.6 J	105 J	75.2	21.2	21.5	1.4	36.2	15.3	81	552	638	14.5	147	145	1.4
PCB147 & 149	pg/g	23100	24400	5.5	2850 J	5300 J	60.1	981	982	0.1	976	692	34	32400	39500	19.7	10900	10900	0.0
PCB153 & 168	pg/g	49100	53800	9.1	7300	10800	38.7	3760	3530	6.3	4030	3630	10	29200	34200	15.8	9520	10600	10.7
PCB156 & 157	pg/g	2230	2480	10.6	173	252	37.2	156	154	1.3	142	131	8	3340	4040	19.0	474	402	16.4
PCB171 & 173	pg/g	1650	1720	4.2	257	427	49.7	63.1	60.8	3.7	93.4	57.5	48	1430	1530	6.8	490	395	21.5
PCB180 & 193	pg/g	6970	7680	9.7	1450	2120	37.5	500	464	7.5	663	458	37	2420	3360	32.5	1270	1790	34.0
PCB183 & 185	pg/g	4190	4550	8.2	662	1060	46.2	161	148	8.4	216	148	37	3480	4080	15.9	1380	1320	4.4
PCB197 & 200	pg/g	237	250	5.3	36.2 J	63.3 J	54.5	9.9	9.48	4.3	22.1	8.56	88	425	480	12.2	143	123	15.0
PCB198 & 199	pg/g	817	933	13.3	129	204	45.0	50.3	53.3	5.8	118	47.2	86	3180	3730	15.9	1040	1050	1.0
Phenols																			
2,4-Dimethylphenol	µg/kg	13 U	13 U	NA	13 U	13 U	NA	13 U	13 U	NA	13 U	13 U	NA	13 U	13 U	NA	13 U	160 U	NA
4-Methylphenol	µg/kg	15 U	15 U	NA	15 U	15 U	NA	15 U	15 U	NA	15 U	15 U	NA	31 J	36 J	14.9	290	130 J	76.2
Phenol	µg/kg	100 U	100 U	NA	100 U	100 U	NA	100 U	100 U	NA	100 U	100 U	NA	19 J	20 J	5.1	32 J	200 U	NA
Pentachlorophenol	µg/kg	-- R	-- R		-- R	-- R		31 U	31 U	NA	R	R		31 U	31 U	NA	-- R	-- R	NA
2-Methylphenol	µg/kg	53 U	53 U	NA	53 U	53 U	NA	53 U	53 U	NA	53 U	53 U	NA	230	190	19.0	140	110 U	NA
Phthalates																			
Bis(2-ethylhexyl) phthalate	µg/kg	500 U	500 U	NA	500 U	500 U	NA	130 J	100 J	26.1	500 U	71 J	NA	120 J	160 J	28.6	500 U	1000 U	NA
Di-n-octyl phthalate	µg/kg	13 U	13 U	NA	13 U	13 U	NA	13 U	13 U	NA	13 U	13 U	NA	13 U	13 U	NA	13 U	26 U	NA
Dimethyl phthalate	µg/kg	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	11 U	NA
Diethyl phthalate	µg/kg	15 U	15 U	NA	11 U	13 U	NA	80 U	80 U	NA	12 J	13 J	8	80 U	80 U	NA	14 U	28 U	NA
Dibutyl phthalate	µg/kg	16 U	16 U	NA	16 U	16 U	NA	180 U	180 U	NA	16 U	16 U	NA	16 U	16 U	NA	280 U	110	NA
Butylbenzyl phthalate	µg/kg	14 U	14 U	NA	14 U	14 U	NA	14 U	14 U	NA	14 U	14 U	NA	14 U	14 U	NA	14 U	28 U	NA
SVOCs																			
Benzyl alcohol	µg/kg	16 J	18 J	11.8	15 J	12 J	22.2	8.6 J	40 U	NA	7.3 J	6.8 J	7	450	460	2.2	3200	4200 J	27.0
1,4-Dichlorobenzene	µg/kg	11 U	11 U	NA	11 U	11 UJ	NA	11 U	11 U	NA	11 UJ	11 UJ	NA	11 U	11 U	NA	11 U	22 UJ	NA
Hexachlorobenzene	µg/kg	0.428	0.489	13.3	0.356	0.516	36.7	0.0428 J	0.044 J	2.8	0.0695 J	0.0649 J	7	0.527	0.58	9.6	0.985	0.749	27.2
1,2,4-Trichlorobenzene	µg/kg	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	20 U	NA
Dibenzofuran	µg/kg	1.4	1.4	0.0	0.45 J	0.55	20.0	0.34 J	0.3 J	12.5	0.32 J	0.39 J	20	0.84	1.3	43.0	1.8	0.91 J	65.7
1,3-Dichlorobenzene	µg/kg	11 U	11 U	NA	11 U	11 UJ	NA	11 U	11 U	NA	11 UJ	11 UJ	NA	11 U	11 U	NA	11 U	22 UJ	NA
Hexachloroethane	µg/kg	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	17 U	NA
N-Nitrosodiphenylamine	µg/kg	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	40 U	19 U	NA
Hexachlorobutadiene	µg/kg	40 U	40 U	NA	40 U	40 U	NA	40 U	40 U	NA	0.00796 UJ	0.00757 UJ	NA	40 U	0.005 UJ	NA	40 U	17 U	NA
1,2-Dichlorobenzene	µg/kg	12 U	12 U	NA	12 U	12 UJ	NA	12 U	12 U	NA	12 UJ	12 UJ	NA	12 U	12 U	NA	12 U	24 UJ	NA

Table B-9. Laboratory Data for DDT, DDD, and DDE in Reanalyzed Sediment Samples.

	Laboratory:	Axys		Axys (reanalysis)		CAS	Axys	Axys (reanalysis)	Axys	Axys (reanalysis)
	Sample ID:	LW2-GBT003	LW2-GBT003D	LW2-GBT003	LW2-GBT003D	LW2-GBT003	LW2-GBT006-1	LW2-GBT006-1	LW2-GBT015	LW2-GBT015
	Sample Type:	Normal sample	Lab Duplicate	Normal sample	Lab Duplicate	Normal sample	Normal sample	Normal sample	Normal sample	Normal sample
	Lab Sample ID:	L8798-14 (A)	WG18873-104	L8798-14R (A)	WG19127-104	K0506744-014	L8798-15	L8798-15R2	L8798-25	L8798-25R
Chemical Name	Units									
2,4'-DDD	ug/kg	1.08 NV	1.15 NV	1.12	0.979	0.97 NJ	0.201 NV	0.222	7.18 NV	9.71
2,4'-DDE	ug/kg	0.0655 NV	0.0739 NV	0.0606 J	0.065 J	0.9 U	0.0426 NV	0.0405 J	0.522 NV	0.13 J
2,4'-DDT	ug/kg	0.937 NV	0.0419 NV	0.0599 J	0.0455 J	0.81 U	0.0754 NV	0.0542 J	0.388 NV	1.07
4,4'-DDD	ug/kg	4.93 NV	4.01 NV	3.85	3.14	1.8	0.911 NV	1	30.8 NV	36.5
4,4'-DDE	ug/kg	0.798 NV	0.798 NV	0.7	0.663	0.79 U	0.54 NV	0.517	4.59 NV	5.29
4,4'-DDT	ug/kg	53.4 NV	0.25 NV	0.432	0.293	2.3 U	0.367 NV	0.301	9.48 NV	25.1

Notes:
All results provided by Axys are included above. CAS results for sample LW2-GBT003 are also included for reference. None of the CAS results and none of the NV-qualified results were used in the database. Laboratory duplicates were averaged in the SCRA database.

NV - do not report (this result was not included in the final database)
J - estimated value
N - tentatively identified analyte
U - The analyte was not detected in the sample; the associated value is the detection limit

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PORTLAND HARBOR RI/FS

ROUND 2B BENTHIC TISSUE AND SEDIMENT DATA REPORT

APPENDIX C

DATA VALIDATION REPORTS

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September 1, 2006

Prepared for

The Lower Willamette Group

Prepared by

Integral Consulting Inc.

Appendix D

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PORTLAND HARBOR RI/FS

ROUND 2B BENTHIC TISSUE AND SEDIMENT DATA REPORT

APPENDIX D

SCRA DATABASE, EXCEL FLAT FILE FORMAT

(PROVIDED ON ACCOMPANYING DISC)

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