USE OF SEMIPERMEABLE MEMBRANE DEVICE (SPMD) TECHNOLOGY FOR A PROBABILISTIC ASSESSMENT OF HYDROPHOBIC ORGANIC CONTAMINANTS IN SELECTED REACHES OF VIRGINIA RIVERS

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EXECUTIVE SUMMARY

This report summarizes findings from a probabilistic monitoring program using lipid-containing semipermeable membrane devices (SPMDs) to monitor trace to ultra-trace levels of toxic hydrophobic organic contaminants for the further characterization of water quality at the small watershed level within the Commonwealth of Virginia. SPMDs were chosen for this study because of their ability to passively extract large volumes of water over extended exposure periods (i.e., one month or more), which permits the detection or quantitation of very-low levels of toxic organic compounds in aquatic systems. The work was conducted as part of a collaborative effort between the U.S. Geological Survey's (USGS) Columbia Environmental Research Center (CERC) and the Virginia Department of Environmental Quality (VDEQ). The study was designed to satisfy the Code of Virginia, § 62.1-44.19:5, Water Quality and Reporting requirements, which include expanding the percentage of river and stream miles monitored and providing information about trace levels of toxic organic compounds in riverine water columns. These efforts will aid in the assessment of the quality of free flowing freshwater streams in Virginia.

Fifty sites, representing Virginia's freshwater streams, were selected for this study based on probabilistic modeling by the VDEQ. The SPMDs were fabricated by CERC scientists and replicate samplers were deployed by VDEQ personnel at all 50 sites. After the exposure phase, SPMDs were shipped to CERC for analysis. SPMDs were recovered from 46 of the 50 sites. These samples were processed and analyzed for several classes of chemicals, which include polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs),

organochlorine pesticides (OCPs), and selected "current use" pesticides including trifluralin, diazinon, dacthal, chlorpyrifos, endosulfans, and permethrins (see Table 1 for complete list of targeted contaminants). Previously developed models were employed to estimate water concentrations of contaminants of concern in the water columns of the rivers studied.

Residue levels of several OCPs and PAHs in SPMDs were found above the method detection limit (MDL; see "Limits of Detection and Quantitation" section for a definition) at all sites. However, only the concentrations of the OCP pentachloroanisole (PCA) were at or above the method quantitation limit (MQL; see "Limits of Detection and Quantitation" section for a definition) in SPMDs from every site analyzed. Although PCA is classified as an OCP, it is a microbial methylation product of the wood-preservative pentachlorophenol and a metabolite of pentachloronitrobenzene (a fungicide used for potatoes) in fish tissues. A number of the sites had quantifiable levels (≥ MQL) of some of the other OCPs in SPMDs, which include the chlordanes, the nonachlors, hexachlorobenzene (HCB), dieldrin and endrin. At one site (ID 9-SNK019.59), concentrations of methoxychlor in SPMDs were significantly higher (i.e., eight-fold) than levels found in SPMDs from the next highest site. The highest concentrations of individual PAHs in SPMDs were phenanthrene, fluoranthene and pyrene, which are three of the sixteen PAHs listed by the U.S. Environmental Protection Agency as priority pollutants. This finding is characteristic of the pattern of PAHs emitted from pyrogenic sources. Fluoranthene was present in SPMDs at detectable levels at every site. In several SPMD samples, methylated PAHs were also observed, which are characteristic of the pattern of PAHs emitted from petrogenic sources. More than half of the study sites also had detectable levels of at least one of the current-use pesticides. Endosulfans were the most

ubiquitous of the current-use pesticides, with detectable levels found at 33 of the 46 sites sampled. All of the pesticides classified as current-use were detected (≥ MDL), when considering the concentrations of pesticides across the 46 sites. Concentrations of PCBs in SPMDs were above the MDL at only two sites and the level at only one site was above the MQL.

Water concentrations reported in this study were derived from SPMD levels using published calibration data and an Excel-based water concentration calculator. These estimates were made for all SPMD concentration data above the MDLs with no censoring of values that fail to meet the MQLs. Also, concentrations were not adjusted for the number of significant figures. Note that the analytical limitations of this work justify, at most, two significant figures. For reported values of SPMD concentrations, this constraint is solely due to cumulative errors or variability associated with processing, cleanup and analysis of environmental samples. In the case of estimated water concentrations, additional variability is introduced by the extrapolation of ambient water concentrations from SPMD concentrations. Based on earlier work, a maximum of about a two-fold difference between SPMD derived water concentrations and independently measured values would be expected.

Examination of contaminant concentrations in SPMDs and in water show that relatively low concentrations of an analyte in an SPMD can extrapolate to a relatively high concentration of the same analyte in the exposure water. For example, estimates of the concentrations of diazinon were generally among the highest of the toxic chemicals detected in the water column, but diazinon concentrations in SPMDs consistently fell between the MDL and the

MQL. The reason that low concentrations of diazinon in SPMDs translate into relatively high concentrations in the water column is that diazinon has a relatively low SPMD-water partition coefficient ($< 10^3$), and thus the volume of water extracted by the SPMD is relatively low. Conversely, a relatively high SPMD concentration of an analyte with a high SPMD-water partition coefficient ($> 10^4$) can extrapolate to a relatively low concentration of the same compound in the exposure water.

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INTRODUCTION

During the last century, rivers within the Commonwealth of Virginia have experienced a decline in indices of aquatic ecological health. The Virginia Department of Environmental Quality (VDEQ) has been charged, through The Code of Virginia, § 62.1-44.19:5 Water Quality and Reporting Regulations, with monitoring those factors which may be indicators of water quality in both free flowing freshwater streams and in estuarine waters. The VDEQ has adopted a water quality monitoring strategy which incorporates a probabilistic monitoring program for free flowing freshwater streams, consisting of all non-tidal perennial streams and rivers within the Commonwealth of Virginia. The main objective of this program is to determine what proportion of the state's streams is fully, partially, or not supporting fishing, swimming, and aquatic life. The focus of this work is the assessment of benthic macro-invertebrate populations, standard water quality chemistry, metals and toxic organic contaminants in sediments, and dissolved organics in the water column.

As an integral part of this much larger study, lipid-containing semipermeable membrane devices (SPMDs) were used to sample the hydrophobic-organic contaminants in the water columns of selected streams. Extracts of exposed SPMDs were analyzed to determine ultra-trace (i.e., < ng/L) and trace (ng/L to mg/L) concentrations of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), organochlorine pesticides (OCPs), and selected current-use pesticides including trifluralin, diazinon, dacthal, chlorpyrifos, endosulfans, and permethrins (see Table 1 for a complete list of targeted contaminants) in stream waters.

Prior to the advent of SPMD technology, ultra-trace levels of many contaminants in water were often below the detection limits of most commonly employed low volume (i.e., ≤ 5 L) sampling methods. Also, the probabilities of detecting chemicals from episodic discharge events were very low, because sampling with conventional methods only provides concentration data on a single point in time. To address these types of sampling and analytical methods issues, scientists at the USGS's CERC developed the SPMD for *in situ* passive monitoring of aquatic contaminants (1-5). These devices have been standardized (5) and are commercially available.

In theory, lipid containing SPMDs are well suited for all neutral organic compounds with log octanol-water partition coefficients (K_{ow}s) ≥ 3.0, which include the contaminants targeted for this project and generally all persistent organic pollutants (POPs). Sampling of hydrophobic organic compounds with log K_{ow}s >5.0 will generally remain integrative (i.e., no significant losses of residues accumulated in the device, even when ambient concentrations fall) throughout a 30 day (d) exposure period. A 1-mL triolein "standard SPMD" will passively extract hydrophobic contaminant residues from about 1 to 10 L of water per day (5). Therefore, hydrophobic contaminants may be extracted from more than 100 L of water by a single 1-mL triolein SPMD during a 30 d exposure period. When sampling is integrative and uptake is linear, residue concentrations in SPMDs represent time weighted average (TWA) concentrations of exposure water. However, sampling is often not integrative throughout a 30 d exposure period when the log K_{ow}s of compounds of interest are between 3.0 and 5.0. When performance reference compounds (PRCs; see description below) are used in SPMDs (6), ambient water concentrations can be determined even when SPMD concentrations

approach equilibrium, i.e., residue uptake is curvilinear. However, the reduced amount of chemical accumulated by an SPMD during the curvilinear phase of uptake is no longer representative of integrative sampling.

Differences in exposure conditions such as turbulence/flow rate, biofouling and temperature affect SPMD sampling rates. Depending on the design of the deployment apparatus used to protect SPMDs, the effects of environmental conditions on a chemical's sampling rate can be as great as an order of magnitude. Thus, site-specific *in situ* SPMD sampling rates are needed to determine ambient concentrations of chemicals from their respective levels in SPMDs. The use of PRCs as described by Huckins et al. (6) permits the estimation of *in situ* sampling rates. PRCs are compounds added to SPMD lipid prior to deployment, which have moderate to relatively high release rates over the course of a sampling period and do not interfere with the analysis of the chemicals targeted in a study. Generally, a mixture of PRCs with a range of K_{ow}s is used for environmental SPMD exposures (see "PRC Identification and Use" section for further information). Huckins et al. (6) have shown that the *in situ* rate of loss of PRCs can be used to adjust laboratory calibration data of the chemicals of concern to site-specific field conditions (5, 6). Fortunately, equations and a large set of SPMD calibration data are available for the derivation of the aqueous concentrations of most of the contaminants detected in this study. Furthermore, two different studies have shown that estimates of ambient water concentrations derived from SPMD concentrations are generally within two fold of the average concentrations of the same chemicals measured throughout the exposure period using a liquid-liquid extraction reference method (5, 6, 7).

EXPERIMENTAL

Materials and Reagents

Analytical standards of all targeted chemicals (Table I), were obtained from AccuStandard Inc., New Haven, CT, ChemService Inc., West Chester, PA, Crescent Chemical, Islandia, NY, or Sigma Aldrich, St. Louis, MO. All laboratory chemicals were American Chemical Society (ACS) reagent grade and organic solvents were Optima grade from Fisher Scientific Co., Pittsburgh, PA. Florisil (60-100 mesh) was obtained from Fisher Scientific Company, Pittsburgh, PA. The Florisil was heated at 475 ^{o}C for 8 hours, blended with 5 % (w/w) of deionized water, equilibrated at 130 ^{o}C for 48 hours, and stored at room temperature in a desicator with P_2O_5 as a desiccant. Silica gel (SG-60, 70-230 mesh) was obtained from Thomas Scientific, Swedesboro, NJ. The silica gel (SG) was washed with 40:60 (V/V) methyl t-butyl ether (MTBE): hexane followed by 100% hexane, then, after solvent removal, activated at 130 ^{o}C for 72 hours before use. The SG was with P_2O_5 as a desiccant. Phosphoric acid/SG (PASG) was made by combining hexane washed phosphoric acid and the aforementioned SG in a 40:60 (w/w) ratio. The PASG was blended to achieve homogeneity, and subsequently with P_2O_5 as a desiccant. Potassium silicate (KS) was made by combining a methanolic solution of potassium hydroxide (KOH) with the SG. The methanol/KOH ratio used was 250 mL of methanol to 56 grams of potassium hydroxide (KOH/CH_3OH, 28/72, w/w), which was mixed with 100 grams of SG. After mixing for 1.5 hours at 55 ^{o}C and solvent removal, the KS was activated at 130 ^{o}C for 48 hours before use and subsequently stored at room temperature in a dessicator with P_2O_5 as a desiccant.

Low density polyethylene (LDPE) layflat tubing was purchased from Environmental Sampling Technologies, St. Joseph, MO. The tubing was a 2.54 cm wide, No. 940, untreated (pure PE; no slip additives, antioxidants, etc.) clear tubing. The wall thickness of this lot ranged from 84 to 89 µm. Triolein (1,2,3-tri-[cis-9-octadecenoyl]glycerol) was obtained from Nu-Check Prep Inc., Elysian, MN. Although the purity of triolein was certified as ≥ 99% (Lot T-235-05-L), it was further purified by the method of Lebo et al. (8) prior to use in the preparation of SPMDs.

SPMD Preparation

All of the SPMDs used in this project consisted of 109.2-cm long by 2.5-cm wide layflat LDPE tubing (cleaned up as described by Huckins et al. [5]) containing 1.0 mL of purified triolein. The SA/V (membrane surface area to total SPMD volume) ratio of SPMDs used in this study was ≈ 86-cm^2/mL and triolein represented ≈ 20% of the mass of the SPMDs. The average weight of individual SPMDs was 4.5 g with a range of 4.4 to 4.6 g. This variation in SPMD mass was due to slight differences in the thickness of the LDPE membrane. These specifications conform to a “standard SPMD” as defined by Huckins et al. (5).

PRC Selection and Use

Four of the five SPMDs deployed at each site were spiked with 14 µg of each of the five perdeuterated PRCs (note: one SPMD from each site was kept in reserve for potential biomarker assessment). Also, one of the two field-blank SPMDs was similarly spiked with PRCs, while the remaining SPMD was reserved for use as a biomarker blank. Ideally, the amount of PRC residues lost during an exposure should fall between about 50 % and 80 %

(5). However, > 80 % losses of PRCs are acceptable as long as remaining concentrations are greater than its MQL.

Identification of Sampling Sites

Table II gives a description of CERC site number identification with cross reference to VDEQ station ID name. Additional information on site locations and characteristics is available from the VDEQ.

Sample Definition

In this study, an SPMD sample is defined as a composite of two-standard 1-mL triolein SPMDs. Thus, each site was represented by two replicate samples and one SPMD kept in reserve.

Sample Transport, Storage, Deployment and Retrieval

After preparation and spiking selected SPMDs with PRCs, the SPMDs were transferred to solvent-rinsed gas tight metal cans. Note: SPMDs with and without PRCs were stored in separate cans. The cans were immediately flushed with argon and sealed for storage. All cans with SPMDs were stored in a freezer at < 15 °C until shipping to VDEQ. When notified by the VDEQ, canned SPMDs were shipped overnight in coolers to Virginia. At each sample site, personnel from various regions of the VDEQ mounted five SPMDs into a specially prepared protective cage. Two additional SPMDs were used for field blanks at each sample site. After SPMD deployment, cans were resealed and stored by VDEQ personal at various locations.

Exposure periods and temperatures varied across sampling sites and deployments as shown in Table III. VDEQ personnel recorded site locations, average water temperatures, and the dates and times of deployment and retrieval. After exposures, SPMDs were recovered and sealed in the same cans as used for shipping to the field. Some cans were stored at VDEQ facilities in freezers at < 15 °C for short periods of time, while others were stored similarly for several months before shipping back to CERC. However, sample storage by the VDEQ did not exceed six months and an earlier report (5) indicated that losses of relatively volatile 2,4,5-trichlorophenol from frozen SPMDs (< –15 °C) did not occur after six months storage in a freezer. Finally, all SPMDs were shipped in their cans overnight in coolers on ice to CERC.

CERC Storage and Custody

Following receipt of the SPMDs at CERC and prior to processing, the SPMDs were stored in a laboratory freezer at < –15 °C until processing and analysis. Again, sample storage times varied but were less than six months.

Overview of Processing, Cleanup, and Fractionation of Samples

The procedures used for preparing samples for analysis in this study are similar to published approaches (5). Also, specific details have been previously reported to VDEQ with a high degree of detail (9). The general sample processing and enrichment scheme is shown in Figure 1 and is summarized sequentially below:

1) SPMD Membrane Cleaning

2) SPMD Dialysis (i.e., Recovery of Analytes)

3) Dialysis Sample Splitting

4) Size Exclusion Chromatography (SEC)

5) Class Specific Fractionation/Cleanup

Herein, we provide brief descriptions of these processing, cleanup and fractionation procedures.

Cleaning of the Exterior Membrane Surface: The following procedures were developed to remove any contaminant residues present in periphyton growths on the exterior of the LDPE membrane surface and to ensure adequate dialytic recovery of all analytes with high K_{ow}s (log $K_{ow} \geq 6.0$). SPMDs (n = 2) representative of a sample (includes field blanks) were placed in a glass beaker with about 200 mL of hexane and were agitated for about 20 to 30 seconds before discarding the hexane. Subsequently, sample SPMDs were placed in a stainless steel pan and thoroughly washed with clean running water, while being scrubbed vigorously with a clean toothbrush. At this point the SPMDs were examined for holes in the membrane and none were found (note: any holes found would have been isolated by heat sealing). After the integrity of the SPMDs was ensured, the SPMDs were submerged in a tank of 1-M HCl for approximately 30 seconds to remove any remaining adhering mineral salts. Following the HCl treatment, the SPMDs were again rinsed with running water to remove the acid. All water on the membrane surface was removed by rinses of acetone, followed by isopropanol. The SPMDs were allowed to air dry for a minimal time period (typically < 6 minutes) on a piece of solvent rinsed aluminum foil.

Dialytic Recovery of Analytes: After surficial cleaning, each SPMD was dialyzed for 18 hours by submersion in ≈ 165 mL of hexane in a glass jar (i.e., a dialysis chamber equipped with a foil lined lid) maintained at 18 ^{o}C. The hexane was removed and transferred into an evaporation flask. Then, a second volume of ≈ 165 mL of hexane was added to each dialysis chamber and the SPMD was dialyzed for an additional 8 hours at 18 ^{o}C. The first and second dialysates were combined in the evaporation flask and the SPMD was discarded. The combined dialysates were reduced to a volume of 3-5 mL with a rotoevaporation system, and quantitatively transferred through a pre-rinsed glass fiber filter into appropriately labeled graduated test tubes. The solvent volume was then adjusted to 10.0 mL.

Sample Splitting: Because different enrichment techniques were required for the targeted environmental contaminants, each sample was split into two equal portions (equivalent to one SPMD) prior to further fractionation and enrichment. These were identified as the "PAH" fractions and the "OCP/PCB" fractions. After splitting, the two fractions were each reduced to a volume of ≈ 1 mL using high purity N_2 blow down.

SEC Cleanup: A Perkin-Elmer Series 410 high performance liquid chromatograph (HPLC) from Perkin-Elmer, Inc., Norwalk, CT, was employed as the solvent delivery system for SEC. The SEC column was a 300-mm x 21.2-mm I.D. (10-µm particle size, 100 Å pore size) Phenogel column (Phenomenex, Inc., Torrance, CA), equipped with a 50-mm x 7.5-mm I.D. Phenogel guard column. A DFW-20 series fixed wavelength UV absorption detector (D-Star Instruments, Inc. Manasses, VA) operating at 254 nm, a Hewlett-Packard Co, HP 3396 Series II Integrator (Hewlett Packard, Inc., Palo Alto, CA), and an ISCO Foxy 200 (ISCO, Inc.,

Lincoln, NE) fraction collector completes the SEC system. The SEC cleanup was accomplished using a “collect window” defined by daily calibration. For the “PAH” fractions, the collect window was initiated at the point of 70% of the time between the apexes of the di(2-ethylhexyl) phthalate (DEHP) and the biphenyl chromatographic peaks. For the OCP/PCB fractions, the collect window was initiated at the point of 50% of the time between the apexes of the DEHP and the biphenyl chromatographic peaks. In both cases, the collect windows were terminated at 70% of the time between the apexes of the coronene and the sulfur chromatographic peaks. All collected fractions from the SEC system were amended with ≈ 2 mL of isooctane, reduced to a volume of ≈ 1 mL on a rotoevaporation system, and quantitatively transferred with hexane into appropriately labeled test tubes.

Further Cleanup-PAHs: The SEC-PAH fractions were treated with a tri-adsorbent column consisting of (from top to bottom): 3-g PASG, 3 g of KS, and 3 g of SG. The tri-adsorbent column was eluted with 50 mL of 4% MTBE:hexane (V/V). This procedure resulted in a solution suitable for the instrumental analysis of PAH residues. The collected fractions were amended with ≈ 2 mL of isooctane, reduced to a volume of ≈ 0.5 mL on a rotoevaporation system, and quantitatively transferred with hexane into labeled 2 mL gas chromatography (GC) autosampler vials. Following addition of an appropriate amount of the instrumental internal standard (IIS), sample volumes were adjusted to 1.0 mL for GC-mass specific detector (MSD) analysis.

Further Cleanup and Class Fractionation-OCPs/PCBs: The SEC-OCP/PCB fractions were further enriched using column chromatography. Each fraction (1.0 mL of hexane) was applied to a Florisil (5 g) column and eluted with 60 mL of 75:25 (V/V) MTBE:hexane. The

column eluates were each amended with 5 mL of isooctane, and reduced in volume to ≈ 0.5 mL. These ≈ 0.5-mL samples were applied to SG columns (5 g) for class fractionation. Two fractions were eluted from each SG column. The first fraction (SG1; 46 mL of hexane) contains > 95 % of the total PCBs, hexachlorobenzene (HCB), heptachlor, mirex and ≈ 40 to 80 % of the p,p'-DDE when present in extracts. The second fraction (SG2; 75 mL of 40:60 [V/V] MTBE:hexane) contains the remaining 28 OCPs given in Table 1 and ≤ 5 % of the total PCBs (largely, mono- and dichlorobiphenyl congeners). The SG1 and SG2 fractions were each reduced to a volume of ≈ 0.5 mL and quantitatively transferred with hexane into labeled GC vials. Samples were amended with appropriate IIS and the volumes were adjusted to 1.0 mL using hexane and high purity N_2 blow-down. These samples, identified as SG1 and SG2, were then ready for GC-electron capture detector (ECD) analysis for PCBs and OCPs.

Instrumental Analysis-PAHs and PRCs

Gas chromatographic analyses for selected PAHs and PRCs were conducted using an Agilent 6890 GC equipped with an Agilent 7683 autosampler (Agilent Technologies, Inc., Wilmington, DE). One μL of each sample extract (1-mL volume) was injected using the "cool-on-column" technique with helium as the carrier gas. An HP-5MS (30 m x 0.25 mm i.d. x 0.25 μm film thickness) capillary column (Agilent Technologies, Inc., Wilmington, DE) was used with the following temperature program: samples were injected at 50 °C, held for 2 min, ramped at 25 °C/min to 130 °C, held for 1 min, then 6 °C/min ramp to 310 °C and held at 310 °C for 5 min. Analytes were detected with a 5973 MSD (Agilent Technologies, Inc., Palo Alto, CA) in the selected ion mode (SIM). Detector zone temperatures were set at 310 °C for the MSD transfer line, 150 °C at the quadrupole, and 230 °C at the source.

Quantitation of the analytes was accomplished using a six-point curve with internal calibration. Concentrations of calibration standards bracketed the range of 0.02 to 4.0µg/mL for each of the analytes with the internal standards 2-methylnaphthalene-d_{10} and benzo[e]pyrene-d_{12} maintained at 0.250 µg/mL.

Instrumental Analysis-PCBs and OCPs

Gas chromatographic analyses for PCBs and OCPs were conducted using a Hewlett Packard 5890 series gas chromatograph (GC) equipped with a Hewlett Packard 7673A autosampler (Hewlett Packard, Inc., Palo Alto, CA). One µL of each sample extract (1-mL volume) was injected using the "cool-on-column" technique with hydrogen as the carrier gas. Analyses of SG-1 and SG-2 fractions for PCBs and OCPs were performed using a DB-35MS (30 m x 0.25 mm i.d. x 0.25 µm film thickness) capillary column (J&W Scientific, Folsom, CA) with the following temperature program: injection at 90 ^{o}C; 15 ^{o}C/min to 165 ^{o}C; followed by 2.5 ^{o}C/min to 250 ^{o}C; then 10 ^{o}C/min to 320 ^{o}C. The electron capture detector (ECD, Hewlett Packard, Inc., Palo Alto, CA) was maintained at 330 ^{o}C. Quantitation of OCPs in SG-1 and in SG-2 samples was accomplished using a six-point internal standard calibration curve with PCB congener I-30 as retention time reference compound and PCB congener I-207 as the IIS. The concentrations of the pesticide standards ranged from 1.0- to 80-ng/mL. Quantitation of total PCBs in the SG-1 fractions was accomplished using a six point internal standard calibration curve employing standard solutions containing a 1:1:1:1 mixture of Aroclors 1242, 1248, 1254, and 1260 with PCB congener I-30 as retention time reference compound and PCB congener I-207 as the IIS. The levels of the total PCB standards ranged from 200-to 4,000-ng/mL. The SG-2 fractions were not included in the analysis for total

PCBs. Carry-over of mono- and dichlorobiphenyl congeners into the SG-2 fraction represents, at most, an additional 5% of total PCBs. The more rigorous approach of analysis of the SG-2 fraction for these few PCB congeners was beyond the scope of the project and was judged to be an excessive expenditure of time and effort for a minimal increase of useful information.

Quality Control (QC)

Field Blank SPMDs. Two field blank SPMDs (one with and one without PRCs) accompanied each set of SPMDs (n = 5) deployed at each study site. Field-blank SPMDs were used to determine if SPMDs were contaminated or losses of PRCs occurred during transport, deployment and retrieval. The field-blank SPMDs were treated the same as the deployed devices (more specifically, field blanks were exposed to study site air during the intervals of time required to mount, deploy and retrieve SPMDs from the various exposure sites), except that they were not exposed to study-site water. During the exposure intervals, field-blank SPMDs were sealed back in the same shipping cans and stored frozen by VDEQ personnel. The primary purpose of PRC spiked field-blanks is to provide a sample representative of the amount (N_o) of individual PRCs present in SPMDs at time zero (see Equation 10 in section on "Estimation of Water Concentrations from SPMD Levels"). Field blanks were processed and analyzed exactly like exposed SPMDs.

SPMD Fabrication Blanks. Fabrication blanks were individual SPMDs, prepared as part of a batch of SPMDs used in this study, which are identical to deployed SPMDs but lack PRCs. They were maintained frozen at –10 to –20 °C in the laboratory (sealed in metal cans under

argon) until the analysis of the exposed SPMDs. Processing and analysis of SPMD-fabrication blanks was concurrent with and identical to that of deployed SPMDs. The primary purpose of these QC samples was to account for any background contribution due to interferences present in SPMD components, and to account any for contamination incurred during laboratory storage, processing, and analytical procedures.

SPMD Process and Reagent Blanks. Process blanks consisted of a batch of SPMDs similar to those used in the study, but made just prior to initiation of the analysis of an SPMD sample set. Operationally, the only difference between SPMD-process blanks and SPMD-fabrication blanks is the time of preparation and the lack of a storage period. Process blank SPMDs were used for surrogate spikes to determine analyte recovery and the precision of the overall analytical method.

Reagent blanks were aliquots of all solvents (volumes identical to those used for SPMD samples) used during the processing, enrichment, and instrumental analysis of SPMD samples, that were carried along with SPMD samples through the entire analytical procedure. The combination of reagent and process blanks provides information on any background due to laboratory reagents and helps identify specific analytical steps that may contribute to sample contamination.

*QC Checks***.** Although all of the aforementioned blanks are checks on different aspects of QC, we limit the use of "QC checks" to the following types of spikes: 1) daily (each operation day) injection of a known quantity of ^{14}C-surrogate (e.g., ^{14}C-phenanthrene) to evaluate of

the performance of and the recovery through the SEC system; 2) spikes (e.g., ^{14}C-phenanthrene) of SPMD blanks to monitor dialytic recovery of each set of exposed SPMDs and to measure recovery through the dialysis, SEC, etc. steps, and 3) SPMD process blanks, spiked with the entire suite of target compounds (Table 1), which enable determination of the recoveries of analytes through the entire processing, cleanup and fractionation procedures. Thus, a QC check sample can represent individual cleanup and fractionation steps, as well as the entire procedure. These QC samples are designed to demonstrate acceptable outcomes of sample analyses (12).

Limits of Detection and Quantification. The method detection limit (MDL) and method quantification limit (MQL) for analysis of SPMD samples were determined for each analyte by measuring the values of coincident GC-ECD or GC-MSD peaks in all SPMD field blank samples (n = 46) for each analyte. The MDL was operationally defined as the mean of field blanks plus three-standard deviations. The MQL was operationally defined as the mean of field blanks plus ten-standard deviations. For individual analytes having no coincident GC peak, an assumed value equal to the low sample reject for the GC method (operationally defined as 20 % of the concentration of the lowest standard concentration used for the GC-calibration curve) was used to calculate the mean. In the cases where the calculated values of the MQLs were below the level of the calibration curve employed in the GC-analysis, the MQLs were set at the value of the lowest level of the calibration curve employed in quantifying concentrations of an analyte (Table IV).

Data Reporting

Because the results of the analyses of SPMDs for trace and ultra-trace levels of organic contaminants were to be directly imported into a modeling program used in a larger VDEQ study, Mr. Roger Stewart of the VDEQ requested that data from this portion of the overall study be reported as follows:

1) Values for the MDL and MQL will be determined for each targeted analyte and these values will be reported in terms of ng/SPMD and estimated water concentration (pg/L).

2) The results of all analyses will be given in numeric form, which can be directly imported into the modeling program referred to above.

3) Water concentrations will be derived using our "Excel-based calculator", which applies specific equations noted in the subsequent section on the "Estimation of Water Concentrations from SPMD Levels".

4) If ng/SPMD concentrations, determined as described herein, are ≤ the analyte's MDLs for SPMD samples, values reported in Tables V and VI will default to the MDL and these numbers will be *italicized*.

5) If SPMD concentrations, determined as described herein, are > than the MDL but ≤ the MQL for SPMD samples, values reported in Tables V and VI will be reported in bold without the normal censoring of values ≤ MQL.

6) A footnote will be added to the bottom of each page of Tables V and VI to ensure that the reader understands the meaning of **bolded** and the *italicized* entries.

Estimation of Water Concentrations from SPMD Amounts

In order to estimate water concentrations from SPMD amounts with a reasonable degree of certainty, several conditions must be met. First, the amounts of targeted contaminants and one or more PRCs must be accurately measured in exposed SPMDs. Second, appropriate calibration data for both target compounds and PRCs must be available. Third, site specific *in situ* sampling rates must be derived for target compounds using exposure adjustment factors (EAFs; see Equation 11). The EAF is a site specific ratio that is approximately equivalent to the *in situ* sampling rate of a selected PRC divided by the sampling rate of the same PRC from calibration data (6). A large amount of SPMD-calibration data is available along with the equations needed for estimating water concentrations from SPMD data (10). Measured amounts of PRCs and analytes in SPMD samples, and previously reported equations and calibration data (2, 5, 6), were used too extrapolate the concentrations of dissolved-phase (i.e., concentration of residues that are readily available) contaminants in water from study sites. Because the exchange of hydrophobic chemicals by SPMDs has been shown to be isotropic (2, 5, 6) the following first-order equation can be used to describe the overall accumulation of residues by SPMDs.

$$N = V_s K_{sw} C_w (1 - \exp[-R_s t / V_s K_{sw}]) \quad (1)$$

and

$$C_w = N / (V_s K_{sw} [1 - \exp(-R_s t / V_s K_{sw})]) \quad (2)$$

where N is the amount of the chemical sampled by an SPMD (typically ng), V_s is the volume of an SPMD (L), K_{sw} is the equilibrium SPMD-water partition coefficient (unitless), C_w is the

concentration of the chemical in ambient water, R_s is the SPMD sampling rate (L/d) and t is the exposure time (d). Equations 1 and 2 are more familiar when the exponent is given as $k_e t$, where k_e is the loss or dissipation rate constant (t^{-1}). Thus, k_e is

$$k_e = R_s/K_{sw}V_s \quad (3)$$

Equations 1 and 2 can be used for all three uptake phases of SPMDs, which include linear, curvilinear and equilibrium. During the linear uptake phase the exponent $R_s t/K_{sw}V_s$ is << 1 and the uptake rate constant is R_s/V_s. In this case, Equation 2 reduces to

$$C_w = N/R_s t \quad (4)$$

When Equation 4 applies, sampling is integrative or the amount of residues accumulated are additive and water concentrations represent TWAs. Typically, SPMD sampling is in the linear phase of uptake for compounds with log K_{ow} values ≥ 5.0 and exposures periods of up to one month.

In the case where the exponent $R_s t/K_{sw}V_s$ is >> 1, equilibrium is attained and Equation 2 reduces to

$$C_w = N/K_{sw}V_s \quad (5)$$

Targeted chemicals have reached their maximum concentrations in SPMDs for a particular exposure concentration, when Equation 5 applies to SPMD data. Typically, SPMD sampling is in the equilibrium phase of uptake for compounds with log K_{ow}s ≤ 4.0 and exposure periods of one month or more.

When SPMDs are in the curvilinear region of uptake Equations 2 must be used as is to estimate C_w. In terms of first-order halflives ($t_{1/2}$s), the curvilinear phase of chemical uptake is operationally defined as the region time that exists between one $t_{1/2}$ and four $t_{1/2}$s. Note that for first-order kinetics, one $t_{1/2}$ is equivalent to

$$t_{1/2} = 0.693\ K_{sw}V_s/(R_s\ EAF) \quad (6)$$

and four $t_{1/2}$s are equivalent to

$$4t_{1/2} = 2.772\ K_{sw}V_s/(R_s\ EAF) \quad (7)$$

In this study, C_w was determined by Equation 4 when exposure time was ≤ one $t_{1/2}$ of an analyte, Equation 5 when exposure time was ≥ four $t_{1/2}$s of an analyte, and Equation 2 when exposure time was between one and four $t_{1/2}$s of an analyte. Estimation of a chemical's *in situ* $t_{1/2}$ in an SPMD and its ambient C_w at each sample site requires the derivation of the EAF (see Equation 11 below), as described by Huckins et al. (6). A key feature of the EAF is that it is relatively constant for all chemicals that have the same rate-limiting barrier to uptake. Measurement of the amount of a suitable PRC at the beginning and end of the exposure

period is the first step in this process. The following equations are used to estimate the EAF for each exposure site.

$$N = N_o \exp(-k_{ep}t) \quad (8)$$

and by substituting the group $R_{sP}/K_{sw}V_s$ (Equation 3) for k_e

$$N = N_o \exp(-R_{sP}t/K_{sw}V_s) \quad (9)$$

Solving for R_{sP}

$$R_{sp} = K_{sw}V_s - (\ln [N/N_o])/t \quad (10)$$

and

$$EAF \approx R_{sP}/R_{sC} \quad (11)$$

Where N_o is the amount of a PRC in an SPMD just before deployment, N is the amount of PRC remaining in the SPMD following the exposure, R_{sP} is the calculated SPMD sampling rate for a PRC under a specific set of field or site conditions and R_{sC} is the measured sampling rate (i.e., from SPMD calibration studies) of the native equivalent of the deuterated PRC. Then the *in situ* or site specific sampling rate (R_{si}) of an analyte is the EAF times its laboratory calibration R_s. Finally, an earlier study (6) has found that water concentration estimates based on EAFs were within two-fold of independently measured values.

Before SPMD uptake rates can be estimated from and PRC loss rates, K_{sw} must be known or calculated for contaminants of interest. The finding that K_{sw} is independent of temperature between 2 °C and 30 °C (11) greatly simplifies the determination of analyte K_{sw} values. In this study, two separate regression equations were required for the calculation K_{sw}s (5, 6)

$$\log K_{Lw} = -0.1257 (\log K_{ow})^2 + 1.9405 (\log K_{ow}) - 1.46 \quad (12)$$

and

$$\log K_{mw} = -0.0956 (\log K_{ow})^2 + 1.7643 (\log K_{ow}) - 1.98 \quad (13)$$

and

$$K_{sw} = (K_{Lw}V_L + K_{mw}V_m)/V_s \quad (14)$$

where K_{Lw} is the equilibrium lipid (triolein)-water partition coefficient, K_{mw} is the equilibrium membrane (LDPE)-water partition coefficient, V_L is the volume of lipid in the SPMD, and V_m is the volume of membrane. The standard deviations (S.D.s) for the fits of Equations 12 and 13 to literature data were 0.18 and 0.23, respectively. Equations 2, 4-8, and 10-14 have been incorporated into an Excel based calculator (5) for the estimation of water concentrations and the calculator was used for water concentration estimates in this work (see results in Table VI).

At this writing, a regression model has been developed (10) that combines data from Equations 12-14.

$$\log K_{sw} = -0.1618(\log K_{ow})^2 + 2.321 \log K_{ow} + a_o \quad (15)$$

where a_o is –2.61 for nonpolar compounds and –3.20 for moderately polar pesticides. The S.D. of the fit is 0.25 and the correlation coefficient $r^2 = 0.94$. Equation 15 will greatly simplify computation of K_{sw}s in future studies.

RESULTS AND DISCUSSIONS

QC of Analytical Procedures

During cleaning of exposed SPMDs no holes were found in the membranes, demonstrating that the deployment cages used by VDEQ personnel prevented punctures of the SPMDs during exposures that lasted as long as 86 days. Also, amounts sufficient to quantify at least one PRC (typically pyrene or phenanthrene) remained in SPMD samples, at the end of all exposure periods. Visual inspection of SPMDs during processing indicated that membrane biofouling varied with site and exposure duration, but no attempt was made to quantify these apparent differences, because biofouling impedance of residue uptake is largely reflected by the magnitude of PRC sampling rates at a particular site.

SPMD Field blanks exhibited no coincident GC peaks at levels significantly higher than those associated with SPMD fabrication blanks and process blanks (i.e., controls). This finding demonstrated that no inadvertent SPMD contamination occurred during storage, shipping, deployment and retrieval. Thus, residues above those quantified in field-blank SPMDs did indeed originate from the water of study sites. During the processing and cleanup of samples, QC check samples for dialytic recovery, SEC performance, etc., and spiked SPMD blank samples for overall method recoveries gave results which were consistent with

control limits (13) established at CERC for these processes (Figure 1). Furthermore, the QC results for this work are similar to published results associated with the use of SPMDs (12). Table VII provides a summery of these recovery results.

PRC Data

Exposure conditions and exposure times varied widely in this study (Table III). To reduce the probability of scenarios where the amount of PRC residues remaining in SPMDs after exposures is too little or too great to measure significant differences between time zero and final concentrations, we choose five deuterated PAHs for this study with a 10-fold range in their K_{ow}s (i.e., log K_{ow} of acenaphthylene-d_{10} ≈ 4.0 and log K_{ow} of pyrene-d_{10} ≈ 5.0). Because the rates of release of hydrophobic organic compounds from SPMDs are inversely proportional to compound K_{ow} (2, 5, 6, 10), it seemed probable that the concentration of at least one of the five PRCs used would be representative of a 20 to 80 % change in the time zero concentration (i.e., the criteria proposed by Huckins et al [5] for the acceptability of PRC data). The upper limit of an acceptable change from time zero concentration was set at 80 % because of the concern that concentrations would fall below the MQL for the PRC. Generally, concentrations of acenaphthylene-d_{10}, acenaphthene-d_{10}, and fluorene-d_{10} in exposed SPMDs were below their MQLs at all sites. Although these PRCs could not be used for the determination of EAFs, their almost complete dissipation suggest that target compounds with equivalent K_{ow}s would have approached or attained equilibrium during these exposures. Concentrations of phenanthrene-d_{10} or pyrene-d_{10} in SPMDs were well above the MQLs at all sites except 42 (2-CAT026.55) and they represented a 49-93 % change from time zero concentrations. Therefore, either phenanthrene-d_{10} or pyrene-d_{10} was

used to calculate EAFs at exposure sites. Coincidentally, phenanthrene-d_{10} was used at half the sites and pyrene-d_{10} was used at the other half. In Table VIII, the results of phenanthrene-d_{10} or pyrene-d_{10} analyses are given in terms of release rate constants or k_{eP}, which is equivalent to $R_{sP}/K_{sw}V_s$. Values of k_{eP}s can be readily converted into *in situ* R_{sP}s by the following equation

$$R_{sP} = k_{eP}K_{sw}V_s \qquad (16)$$

Interpretation of the k_{eP} data presented in Table VIII is complicated by the fact that two deployments were made during this study and no measurements of stream flow rates were obtained at the 46 sites. The first SPMD deployment was conducted in late spring and summer, when the mean temperature was ≈ 15 °C (Table III), while the second SPMD deployment was conducted in the fall to early winter, when the mean temperature was ≈ 10 °C (Table III). Furthermore, phenanthrene-d_{10} was used for all seven sites sampled in the second SPMD deployment, where exposure temperatures were clearly lower.

Values of phenanthrene-d_{10} and pyrene-d_{10} k_{eP}s ranged from 0.0053 to 0.0552 (≈ 10-fold difference) and from 0.0048 to 0.0504 (≈ 10-fold difference), respectively. A number of the k_{eP}s of phenanthrene-d_{10} and pyrene-d_{10} appear to be significantly different than the k_{eC}s of native phenanthrene and pyrene determined in laboratory calibration studies (5). The calibration data ($k_e$cs or $R_s$cs) used for PRCs were generated under conditions as follows: a flow velocity of 0.004 cm/sec and at temperatures of 10, 18 and 26 °C (5). The magnitudes of phenanthrene-d_{10} and pyrene-d_{10} k_{eP}s are similar, but the escaping tendency of

phenanthrene in SPMDs should be about 1.6 times as great as pyrene at temperatures ≥10 and ≤ 18 °C (5). However, phenanthrene-d_{10} was used as the PRC for all seven samples recovered from the second SPMD deployment, where exposure temperatures were significantly cooler. Significant differences in temperature can affect the magnitude of PRC k_{eP}s (5) but the effects of differences in flow-turbulence at the membrane surface are generally much greater.

Comments on SPMD Concentration Data

The results of the analyses of SPMDs exposed to river water in the Commonwealth of Virginia are given in Table V. These data have been corrected for the backgrounds of appropriate field blank samples. Important comments related to tabular values that are bolded and italicized are given in the "Data Reporting" section. The primary purpose of this study was to provide information as to the distribution of contaminants in the river waters of the Commonwealth of Virginia. Data in Table V is reported to the nearest 0.01 ng/SPMD, where censoring for number of significant figures was not performed. The rationale behind disregarding the numbers of significant figures justified in Table V (at best only two significant figures based on analytical methods) is that it permits a semi-quantitative ranking of contaminants; 1) in the range between the MDL and MQL, and 2) at or near the lower limits of quantification.

Observations Related to SPMD Concentrations

A number of OCPs and PAHs were detected in SPMDs at all sites (Table 5). However, only pentachloroanisole (PCA) was found at quantifiable levels at every site analyzed. Although

PCA is classified as an OCP, it is produced in water by the microbial methylation of the wood-preservative pentachlorophenol. Figure 2 shows how PCA concentrations in SPMDs vary from site to site. Many of the sites also had elevated levels of some of the other OCPs, which include the chlordanes, the nonachlors, hexachlorobenzene, dieldrin and endrin. The amount of methoxychlor in SPMDs was quantifiable at only six sites, but one site (ID **9-SNK019.59)** was ≥ eight-fold times higher (37. 4 ng/SPMD) than any other site. Every one of the six targeted current-use pesticides was detected in SPMDs at one or more of the 46 exposure sites. Diazinon was detected in SPMDs more frequently (25 of the 46 sites) than any other current-use pesticide and the amounts were generally greater than others of this class. However, diazinon levels typically fell between the MDL and MQL (2.4 and 18.2 ng/SPMD, respectively) of the pesticide. Although the amounts of endosulfan/endosulfan-II in SPMDs were above their MQLs (2.6/1.8 ng/SPMD) at 20 of the 46 sites, these levels were not as high as diazinon. The highest amounts of individual PAHs in SPMDs were phenanthrene, fluoranthene and pyrene. This observation is typical of published data on PAH concentrations in environmental waters and these chemicals generally originate from pyrogenic sources. Because of the toxicity and ubiquitous distribution of phenanthrene, fluoranthene and pyrene, they are listed by the US Environmental Protection Agency as priority pollutants. In several cases, methylated PAHs were observed as well, which are characteristic of petrogenic sources. Finally, PCBs were detected in SPMDs at only at two sites and the amount of total congeners was greater than the MQL (64.5 ng/SPMD) at only site ID **3-MTN003.31**.

Observations related to Water Concentrations

A summary of the results of water concentration estimates is given in table VII. The concentrations of diazinon in water from several sites approach or exceed ng/L. However, this observation is generally based on SPMD concentrations that fall between the MDL and MQL. The dissolved phase concentrations of several PP PAHs also approach or exceed ng/L concentrations (e.g., site ID **3-MTN003.31)**. Of particular concern is that phototoxic fluoranthrene and pyrene represent two of the three highest PAHs found in study waters. The toxicity of these PAHs can be increased as much as 1000-fold by transient intermediates of the PAH photooxidation process (14). For example, fluoranthrene has been shown to be toxic to fish fry during solar radiation cycles, when water concentrations approach about 5-ng/L (personal communication; James Oris, Miami University, Oxford, OH). Water concentrations of total PCBs (2.1 ng/L) at the site identified above were elevated compared to the background levels observed at all other sites.

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LITERATURE CITED

1. Huckins, J.N., Tubergen, M.W., Manuweera, G.K. 1990. Chemosphere 20: 533-553.
2. Huckins, J.N., Manuweera, G.K., Petty, J.D., MacKay, D., Lebo, J.A. 1993. Environ. Sci. Technol. 27: 2489-2496.
3. Lebo, J.A., Gale, R.W., Petty, J.D., Huckins, J.N., Echols, K.R., Schroeder, D.J., Inmon, L.E. 1995. Environ. Sci. Technol., 29: 2886-2892.
4. Petty, J.D., Poulton, B.C., Charbonneau, C.S, Huckins, J.N., Jones, S.B., Cameron, J.T., Prest, H.F. 1998. Environ. Sci. Technol. 32: 837-842.
5. Huckins, J.N., Petty, J.D., Prest, H.F., Clark, R.C., Alvarez, D.A., Orazio, C.E., Lebo, J.A., Cranor, W.L., Johnson, B.T. *A Guide for the Use of Semipermeable Membrane Devices (SPMDs) as Samplers of Waterborne Hydrophobic Organic Contaminants*; Report for the American Petroleum Institute (API); API publication number 4690; API: Washington, DC, 2002.
6. Huckins, J.N., Petty, J.D., Lebo, J.A., Almeida, F.V., Booij, K., Alvarez, D.A., Cranor, W.L., Clark, R.C., Mogensen, B. 2002. Environ. Sci. Technol. 36: 85-91.
7. Ellis, G.S., J.N. Huckins, C.E. Rostad, C.J. Schmitt, J.D. Petty, MacCarthy, P. 1995. Environ. Toxicol. Chem. 14: 1875-1884.
8. Lebo, J.A., Almeida, F.V., Cranor, W.L., Petty, J.D., Huckins, J.N., Rastall, A.C., Alvarez, D.A., Mogensen, B.B., Johnson, B.T. 2004. *Purification of Triolein for use in Semipermeable Membrane Devices (SPMDs).* Chemosphere 54: 1217-1224.
9. Huckins, J.N.; Petty, J.D.; Cranor, W.L.; Lebo, J.A.; Alvarez, D.A., Clark, R.C. *Evaluation of the Use of SPMDs for the Analysis of Hydrophobic Organic*

Contaminants in Water of the Elizabeth River, Virginia. 2001. USGS Report was Prepared for Virginia Department of Environmental Quality, Richmond, VA.

10. Huckins, J.N., Petty, J.D., Booij, K. 2005. *Monitors of Organic Chemicals in the Environment: Semipermeable Membrane Devices.* Springer Publishing Company, New York, NY, USA, In Press.
11. van Weerlee, E.M. 2003
12. DeVita, W.M., Crunkilton, R.L. 1998. *Quality Control Associated with Use of Semipermeable Membrane Devices.* In E.E. Little First Editor, B.M. Greenburg Second Editor and A.J. DeLonay, eds. Environ. Toxicol. and Risk Assess: Seventh Volume. ASTM, West Conshohocken, PA. pp. 237-245.
13. Cranor, W.L., Alvarez, D.A., Huckins, J.N., Gale, R.W., Clark, R.C., Petty, J.D., Robertson, G.L. 2004. *Sample Preparation and Data Quality Considerations for the Analysis of Semipermeable Membrane Devices (SPMDs) Exposed to Air*. Fourth SETAC World Congress, November 14-18, Portland, OR.
14. Ramirez. M.H. 1997. *Evaluation of the Acute and Chronic Toxicity of Fluoranthrene-Spiked Sediments in the Presence of UV Light using the Amphipod Hyalella azteca.* Ph.D Thesis, Miami University, Oxford, OH.

Table I
Target Analytes

Pesticides	**PAHs**
Trifluralin	Naphthalene
Hexachlorobenzene (HCB)	Acenaphthylene
Pentachloroanisole (PCA)	Acenaphthene
α-Benzenehexachloride (α-BHC)	Fluorene
Diazinon	Phenanthrene
Lindane	Anthracene
β-Benzenehexachloride (β-BHC)	Fluoranthene
Heptachlor	Pyrene
δ-Benzenehexachloride (δ-BHC)	Benz[a]anthracene
Dacthal	Chrysene
Chlorpyrifos	Benzo[b]fluoranthene
Oxychlordane	Benzo[k]fluoranthene
Heptachlor Epoxide	Benzo[a]pyrene
trans-Chlordane	Indeno[1,2,3-c,d]pyrene
trans-Nonachlor	Dibenz[a,h]anthracene
o,p'-DDE	Benzo[g,h,i]perylene
cis-Chlordane	Benzo[b]thiophene
Endosulfan	2-methylnaphthalene
p,p'-DDE	1-methylnaphthalene
Dieldrin	Biphenyl
o,p'-DDD	1-ethylnaphthalene
Endrin	1,2-dimethylnaphthalene
cis-Nonachlor	4-methylbiphenyl
o,p'-DDT	2,3,5-trimethylnaphthalene
p,p'-DDD	1-methylfluorene
Endosulfan-II	Dibenzothiophene
p,p'-DDT	2-methylphenanthrene
Endosulfan Sulfate	9-methylanthracene
Methoxychlor	3,6-dimethylphenanthrene
Mirex	2-methylfluoranthene
cis-Permethrin	Benzo[b]naphtho[2,1-d]thiophene
trans-Permethrin	Benzo[e]pyrene
Total PCBs	Perylene
	3-methylcholanthrene

Table II

Identification of Deployment Sites

CERC Site ID	Station ID Name	CERC Site ID	Station ID Name
Site # 1	6-BCLN290.74	Site # 33	5-BPCT002.16
Site # 2	6-CNFH020.93	Site # 34	5-ABLC000.88
Site # 3	6-BPOW133.00	Site # 35	5-ANTW097.27
Site # 4	2-XUD000.15	Site # 36	9-NBS006.58
Site # 5	9-SNK019.59	Site # 37	5-AMHN097.83
Site # 8	4-ASRE020.75	Site # 38	2-NWD004.15
Site # 9	6-BPOW141.45	Site # 40	9-PLM000.35
Site # 10	2-MFK002.21	Site # 41	5-AFON024.32
Site # 12	6-ADI5013.73	Site # 42	2-CAT026.55
Site # 13	1-BSTH029.45	Site # 43	3-MTN003.31
Site # 15	1-AGAN000.32	Site # 44	9-DDD006.61
Site # 17	3-BLK001.92	Site # 45	4-ABWA008.53
Site # 18	2-XUE000.31	Site # 46	4-AMCG000.56
Site # 19	2-JK5070.97	Site # 48	4-ABOR033.22
Site # 21	3-CRC001.38	Site # 49	4-AFRY006.08
Site # 22	2-APP061.07	Site # 50	9-WLKO26.82
Site # 23	1-BNF5048.74	Site # 1	2-RVN022.61
Site # 24	8-MPN046.13	Site # 2	2-HAK004.34
Site # 25	2-BLB002.04	Site # 4	2-BLB002.04
Site # 28	3-JOA002.68	Site # 13	2-BLK001.92
Site # 29	1-ACAA000.83	Site # 14	4-AHRN007.65
Site # 31	8-MTA012.09	Site # 15	Not Given
Site # 32	5-ASAP004.00	Site # 18	Not Given

Table III

Exposure Times and Temperatures

CERC Site ID	VA DEQ Station ID	# of days Deployed	Average Temp ºC	CERC Site ID	VA DEQ Station ID	# of days Deployed	Average Temp ºC
Site # 1	6-BCLN290.74	28	17	Site # 33	5-BPCT002.16	30	18
Site # 2	6-CNFH020.93	28	17	Site # 34	5-ABLC000.88	28	16
Site # 3	6-BPOW133.00	29	18	Site # 35	5-ANTW097.27	41	19
Site # 4	2-XUD000.15	33	15	Site # 36	9-NBS006.58	27	10
Site # 5	9-SNK019.59	27	15	Site # 37	5-AMHN097.83	49	19
Site # 8	4-ASRE020.75	35	15	Site # 38	2-NWD004.15	31	16
Site # 9	6-BPOW141.45	29	18	Site # 40	9-PLM000.35	29	11
Site # 10	2-MFK002.21	32	14	Site # 41	5-AFON024.32	46	20
Site # 12	6-ADI5013.73	28	15	Site # 42	2-CAT026.55	35	13
Site # 13	1-BSTH029.45	30	16	Site # 43	3-MTN003.31	61	22
Site # 15	1-AGAN000.32	29	10	Site # 44	9-DDD006.61	27	12
Site # 17	3-BLK001.92	32	17	Site # 45	4-ABWA008.53	28	15
Site # 18	2-XUE000.31	32	16	Site # 46	4-AMCG000.56	27	14
Site # 19	2-JK5070.97	30	13	Site # 48	4-ABOR033.22	28	15
Site # 21	3-CRC001.38	29	14	Site # 49	4-AFRY006.08	28	11
Site # 22	2-APP061.07	51	19	Site # 50	9-WLKO26.82	27	13
Site # 23	1-BNF5048.74	29	14	Site # 1	2-RVN022.61	60	11
Site # 24	8-MPN046.13	36	18	Site # 2	2-HAK004.34	35	9
Site # 25	2-BLB002.04	30	17	Site # 4	2-BLB002.04	32	9
Site # 28	3-JOA002.68	86	19	Site # 13	2-BLK001.92	28	11
Site # 29	1-ACAA000.83	28	15	Site # 14	4-AHRN007.65	30	9
Site # 31	8-MTA012.09	28	17	Site # 15	Not Given	30	10
Site # 32	5-ASAP004.00	50	19	Site # 18	Not Given	30	10

Table IV

MDL & MQL Values for Targeted Analytes

OCPs & PCBs	MDL ng/SPMD	MQL ng/SPMD	**PAHs**	MDL ng/SPMD	MQL ng/SPMD
Trifluralin	1.10	11.56	Naphthalene	46.94	123.71
Hexachlorobenzene	0.84	3.85	Acenaphthylene	4.00	20.00
Pentachloroanisole	0.79	3.67	Acenaphthene	18.63	58.11
α-Benzenehexachloride	1.34	10.25	Fluorene	18.63	58.11
Diazinon	2.45	18.20	Phenanthrene	69.87	200.15
Lindane	1.53	4.96	Anthracene	4.00	20.00
β-Benzenehexachloride	1.76	8.22	Fluoranthene	4.00	20.00
Heptachlor	0.12	0.92	Pyrene	9.18	29.60
δ-Benzenehexachloride	0.12	0.92	Benz[a]anthracene	4.00	20.00
Dacthal	0.36	1.70	Chrysene	88.45	232.28
Chlorpyrifos	1.12	5.02	Benzo[b]fluoranthene	4.00	20.00
Oxychlordane	1.75	8.20	Benzo[k]fluoranthene	4.00	20.00
Heptachlor Epoxide	2.55	11.05	Benzo[a]pyrene	4.00	20.00
trans-Chlordane	0.53	2.51	Indeno[1,2,3-c,d]pyrene	4.00	20.00
trans-Nonachlor	0.12	0.92	Dibenz[a,h]anthracene	4.00	20.00
o,p'-DDE	0.89	4.13	Benzo[g,h,i]perylene	9.18	29.60
cis-Chlordane	1.14	5.39	Benzo[b]thiophene	24.57	74.95
Endosulfan	0.55	2.64	2-methylnaphthalene	24.63	77.12
p,p'-DDE	1.71	5.63	1-methylnaphthalene	9.18	29.60
Dieldrin	1.22	5.66	Biphenyl	4.00	20.00
o,p'-DDD	1.60	7.60	1-ethylnaphthalene	4.00	20.00
Endrin	1.75	6.02	1,2-dimethylnaphthalene	4.00	20.00
cis-Nonachlor	1.81	7.91	4-methylbiphenyl	40.10	110.85
o,p'-DDT	1.30	6.15	2,3,5-trimethylnaphthalene	4.00	20.00
p,p'-DDD	1.28	5.62	1-methylfluorene	4.00	20.00
Endosulfan-II	0.39	1.83	Dibenzothiophene	4.00	20.00
p,p'-DDT	2.83	10.36	2-methylphenanthrene	4.00	20.00
Endosulfan Sulfate	0.70	3.26	9-methylanthracene	4.00	20.00
Methoxychlor	0.12	0.92	3,6-dimethylphenanthrene	4.00	20.00
Mirex	0.12	0.92	2-methylfluoranthene	4.00	20.00
cis-Permethrin	1.13	6.97	Benzo[b]naphtho[2,1-d]thiophene	4.00	20.00
trans-Permethrin	0.42	1.28	Benzo[e]pyrene	4.00	20.00
Total PCBs	14.09	64.52	Perylene	4.00	20.00
			3-methylcholanthrene	4.00	20.00

NOTE: The MQL was set to the low standard in the calibration curve or the mean of all "Field Blank" background signals + 10 times their standard deviation (which ever was higher). The MDL was set to the mean of all "Field Blank" background signals + 3 times their standard deviation. In cases where there were no coincident peaks, the MDL was set to 20% of the MQL and the MQL was set to the low standard. All values are reported without censoring for significant figures (only two significant figures are justified).

Table V

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 1, Deployment # 1, Station ID **6-BCLN290.74**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**3.01**	**2.54**	**2.77**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.05**	**2.01**	**2.03**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	6.82	6.80	6.81	Acenaphthene	**20.00**	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	210.00	**160.00**	**185.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	710.00	660.00	685.00
Heptachlor	1.20	*0.12*	**0.60**	Pyrene	420.00	400.00	410.00
δ-Benzenehexachloride	1.26	*0.12*	**0.63**	Benz[a]anthracene	40.00	30.00	35.00
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	**190.00**	**190.00**	**190.00**
Chlorpyrifos	**2.44**	**2.67**	**2.56**	Benzo[b]fluoranthene	60.00	60.00	60.00
Oxychlordane	**4.05**	**3.88**	**3.97**	Benzo[k]fluoranthene	30.00	30.00	30.00
Heptachlor Epoxide	**5.26**	**5.18**	**5.22**	Benzo[a]pyrene	**10.00**	**10.00**	**10.00**
trans-Chlordane	7.74	7.68	7.71	Indeno[1,2,3-c,d]pyrene	**10.00**	**10.00**	**10.00**
trans-Nonachlor	8.51	8.53	8.52	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	**10.00**	**10.00**	**10.00**
cis-Chlordane	11.18	11.38	11.28	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	3.03	2.81	2.92	2-methylnaphthalene	**40.00**	**40.00**	**40.00**
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	11.99	12.50	12.25	Biphenyl	20.00	20.00	20.00
o,p'-DDD	12.56	12.75	12.66	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	**10.00**	**10.00**	**10.00**
cis-Nonachlor	**2.48**	**2.94**	**2.71**	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	20.00	20.00	20.00
p,p'-DDD	**4.46**	**4.94**	**4.70**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.79**	*0.39*	**0.40**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	**5.78**	**4.01**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	0.79	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	1.90	2.26	2.08	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 2, Deployment # 1, Station ID **6-CNFH020.93**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	4.91	5.29	5.10	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	4.59	5.19	4.89	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	**6.33**	**3.27**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	50.00	40.00	45.00
Heptachlor	2.22	**0.70**	1.46	Pyrene	30.00	30.00	30.00
δ-Benzenehexachloride	**0.29**	*0.12*	**0.15**	Benz[a]anthracene	**10.00**	**10.00**	**10.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**2.13**	**1.80**	**1.97**	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	**4.88**	*1.75*	**3.11**	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	**4.24**	**3.22**	**3.73**	Benzo[a]pyrene	**10.00**	*4.00*	**5.00**
trans-Chlordane	7.65	6.73	7.19	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	7.38	6.64	7.01	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	9.74	9.76	9.75	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	4.75	4.74	4.74	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	5.71	6.18	5.95	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.62**	**2.83**	**2.73**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	**2.97**	**3.16**	**3.07**	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	**1.53**	**1.36**	2,3,5-trimethylnaphthalene	**20.00**	**20.00**	**20.00**
p,p'-DDD	**3.64**	**3.88**	**3.76**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**1.33**	*0.39*	**0.67**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**6.88**	**6.93**	**6.91**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	**1.10**	**0.79**	**0.94**	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	1.57	1.37	1.47	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 3, Deployment # 1, Station ID **6-BPOW133.00**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	**1.93**	**1.16**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.12**	**1.92**	**2.02**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	8.57	9.43	9.00	Acenaphthene	*18.63*	**20.00**	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	**12.17**	**11.69**	**11.93**	Phenanthrene	**120.00**	**110.00**	**115.00**
Lindane	*1.53*	**1.71**	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	180.00	160.00	170.00
Heptachlor	**0.29**	1.76	1.03	Pyrene	200.00	190.00	195.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	**10.00**	**10.00**	**10.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**1.33**	**1.99**	**1.66**	Benzo[b]fluoranthene	20.00	20.00	20.00
Oxychlordane	*1.75*	**2.97**	**2.22**	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	**5.64**	**5.96**	**5.80**	Benzo[a]pyrene	**10.00**	**10.00**	**10.00**
trans-Chlordane	7.66	9.37	8.52	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	6.17	8.33	7.25	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	10.99	12.52	11.75	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**1.41**	2.71	**2.06**	2-methylnaphthalene	90.00	80.00	85.00
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	6.02	**5.09**	**5.56**	Biphenyl	50.00	50.00	50.00
o,p'-DDD	**2.71**	**2.44**	**2.58**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**3.18**	**3.11**	**3.15**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	**2.59**	**3.77**	**3.18**	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**10.00**	*4.00*	**5.00**
p,p'-DDD	*1.28*	**2.27**	**1.50**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**2.99**	**8.32**	**5.66**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	18.67	9.77	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	1.46	2.41	1.93	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	**32.77**	**16.97**	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 4, Deployment # 1, Station ID **2-XUD000.15**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**6.53**	**6.81**	**6.67**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	5.46	5.58	5.52	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	7.90	8.63	8.26	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	**4.05**	**2.22**	**3.14**	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**15.34**	**14.20**	**14.77**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	**3.02**	**2.42**	**2.72**	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor	**0.68**	**0.76**	**0.72**	Pyrene	**10.00**	**10.00**	**10.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	**1.75**	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	**2.59**	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.31**	**2.44**	**1.88**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	1.21	1.96	1.58	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.82**	**2.59**	**2.20**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**2.53**	2.93	2.73	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**2.06**	**2.03**	**2.05**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.12**	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**1.80**	**2.24**	**2.02**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**10.00**	**10.00**	**10.00**
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	**5.27**	**3.85**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	**1.05**	2.10	1.57	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 5, Deployment # 1, Station ID **9-SNK019.59**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**2.01**	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.56**	**2.48**	**2.52**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	12.89	11.66	12.27	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	40.00	30.00	35.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	**20.00**	**20.00**
δ-Benzenehexachloride	*0.12*	2.74	1.37	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**3.73**	**2.47**	**3.10**	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	**4.78**	**2.69**	**3.74**	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	2.95	**1.55**	**2.25**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	4.07	1.31	2.69	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**3.42**	**1.43**	**2.42**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	3.33	**1.46**	**2.39**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**5.20**	7.02	6.11	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.49**	**2.56**	**2.53**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	**5.35**	**2.68**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	2.25	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**2.11**	*1.30*	**1.48**	2,3,5-trimethylnaphthalene	60.00	50.00	55.00
p,p'-DDD	**2.95**	**1.75**	**2.35**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	10.73	*2.83*	**5.37**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	33.82	41.04	37.43	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 8, Deployment # 1, Station ID **4-ASRE020.75**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**2.83**	**2.63**	**2.73**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	**2.01**	**1.32**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	10.30	22.33	16.31	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**4.89**	*2.45*	**2.45**	Phenanthrene	**70.00**	**160.00**	**115.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**5.00**	**10.00**	**7.50**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	310.00	820.00	565.00
Heptachlor	0.96	**0.64**	**0.80**	Pyrene	230.00	590.00	410.00
δ-Benzenehexachloride	**0.25**	*0.12*	**0.13**	Benz[a]anthracene	**15.00**	40.00	27.50
Dacthal	**0.50**	*0.36*	**0.42**	Chrysene	**95.00**	250.00	**172.50**
Chlorpyrifos	**1.31**	**1.89**	**1.60**	Benzo[b]fluoranthene	30.00	60.00	45.00
Oxychlordane	*1.75*	**2.16**	**1.81**	Benzo[k]fluoranthene	**10.00**	40.00	25.00
Heptachlor Epoxide	*2.55*	**4.21**	**3.32**	Benzo[a]pyrene	**5.00**	**10.00**	**7.50**
trans-Chlordane	5.40	10.68	8.04	Indeno[1,2,3-c,d]pyrene	**5.00**	**10.00**	**7.50**
trans-Nonachlor	5.08	9.41	7.24	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	**10.00**	*9.18*
cis-Chlordane	6.22	12.65	9.43	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**1.73**	3.04	**2.38**	2-methylnaphthalene	**45.00**	110.00	77.50
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**2.06**	**3.90**	**2.98**	Biphenyl	**20.00**	50.00	35.00
o,p'-DDD	*1.60*	**3.77**	**2.55**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	**15.00**	40.00	27.50
cis-Nonachlor	*1.81*	**3.02**	**2.16**	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	**2.41**	**1.46**	2,3,5-trimethylnaphthalene	**5.00**	**10.00**	**7.50**
p,p'-DDD	**1.49**	**4.41**	**2.95**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	**6.66**	**3.61**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	**1.42**	**0.71**	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	12.50	11.20	11.85	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	1.67	2.54	2.11	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 9, Deployment # 1, Station ID **6-BPOW141.45**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**0.98**	**0.94**	**0.96**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	6.72	8.57	7.65	Acenaphthene	*18.63*	**20.00**	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**30.00**	**25.00**
Diazinon	**5.13**	**18.14**	**11.63**	Phenanthrene	**180.00**	**200.00**	**190.00**
Lindane	*1.53*	**1.94**	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	280.00	260.00	270.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	310.00	290.00	300.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	20.00	20.00	20.00
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	**110.00**	**110.00**	**110.00**
Chlorpyrifos	**1.69**	**3.04**	**2.36**	Benzo[b]fluoranthene	20.00	20.00	20.00
Oxychlordane	*1.75*	**3.78**	**2.54**	Benzo[k]fluoranthene	20.00	**10.00**	**15.00**
Heptachlor Epoxide	**3.95**	**6.91**	**5.43**	Benzo[a]pyrene	**10.00**	**10.00**	**10.00**
trans-Chlordane	7.81	11.58	9.70	Indeno[1,2,3-c,d]pyrene	**10.00**	*4.00*	**5.00**
trans-Nonachlor	7.67	12.54	10.11	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	**10.00**	**10.00**	**10.00**
cis-Chlordane	11.72	16.53	14.13	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**2.01**	5.64	3.83	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	**2.68**	**1.95**	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**5.15**	6.57	5.86	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	**2.37**	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**2.46**	7.34	**4.90**	1,2-dimethylnaphthalene	*4.00*	**10.00**	**5.00**
cis-Nonachlor	**2.02**	**4.72**	**3.37**	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	100.00	160.00	130.00
p,p'-DDD	*1.28*	**2.76**	**1.84**	1-methylfluorene	300.00	330.00	315.00
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	20.00	20.00	20.00
p,p'-DDT	*2.83*	**4.27**	*2.83*	2-methylphenanthrene	230.00	220.00	225.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	90.00	90.00	90.00
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	20.00	20.00	20.00
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	**10.00**	**10.00**
trans-Permethrin	**0.52**	**0.54**	**0.53**	Benzo[e]pyrene	20.00	20.00	20.00
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 10, Deployment # 1, Station ID **2-MFK002.21**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	13.22	16.62	14.92	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**10.81**	**16.23**	**13.52**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	**6.93**	**3.67**	Fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**10.00**	**10.00**	**10.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	**10.00**	**10.00**	**10.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	5.64	7.25	6.44	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	4.91	**1.98**	3.45	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	3.25	**0.31**	1.78	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**3.79**	**1.18**	**2.49**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	5.46	**0.94**	3.20	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**2.59**	**2.56**	**2.57**	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**2.92**	**3.55**	**3.23**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**3.71**	**1.84**	**2.78**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	9.38	*1.75*	**5.16**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	**2.53**	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**3.77**	*1.30*	**1.89**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**3.84**	*1.28*	**1.92**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	3.03	*0.39*	**1.70**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**3.66**	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 12, Deployment # 1, Station ID **6-ADI5013.73**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	**1.60**	**1.19**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.21**	*0.84*	**0.94**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	21.10	10.16	15.63	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	**4.55**	**6.10**	**5.32**	Phenanthrene	**200.00**	**120.00**	**160.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	220.00	110.00	165.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	160.00	90.00	125.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	**10.00**	**10.00**	**10.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**3.24**	**2.88**	**3.06**	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**2.15**	**1.68**	**1.92**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	2.53	1.95	2.24	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**2.72**	**2.55**	**2.64**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**2.18**	3.23	2.71	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	**1.83**	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**3.00**	**2.27**	**2.63**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**3.69**	**2.98**	**3.34**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**10.00**	**10.00**	**10.00**
p,p'-DDD	**1.37**	*1.28*	*1.28*	1-methylfluorene	30.00	20.00	25.00
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	50.00	30.00	40.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	20.00	*4.00*	**10.00**
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	**10.00**	*4.00*	**5.00**
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	*4.00*	**5.00**
trans-Permethrin	*0.42*	**0.93**	**0.47**	Benzo[e]pyrene	**10.00**	**10.00**	**10.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	*4.00*	**5.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 13, Deployment # 1, Station ID **1-BSTH029.45**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	Lost	*46.94*	*46.94*
Hexachlorobenzene	**1.53**	**2.22**	**1.88**	Acenaphthylene	Lost	*4.00*	*4.00*
Pentachloroanisole	10.97	15.87	13.42	Acenaphthene	Lost	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	**1.58**	*1.34*	Fluorene	Lost	*18.63*	*18.63*
Diazinon	**10.51**	**21.44**	**15.97**	Phenanthrene	Lost	*69.87*	*69.87*
Lindane	**2.43**	**3.50**	**2.97**	Anthracene	Lost	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	Lost	80.00	80.00
Heptachlor	*0.12*	**0.40**	**0.24**	Pyrene	Lost	150.00	150.00
δ-Benzenehexachloride	*0.12*	**0.90**	**0.45**	Benz[a]anthracene	Lost	**10.00**	**10.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	Lost	*88.45*	*88.45*
Chlorpyrifos	13.80	23.61	18.70	Benzo[b]fluoranthene	Lost	**10.00**	**10.00**
Oxychlordane	**1.77**	**4.78**	**3.28**	Benzo[k]fluoranthene	Lost	**10.00**	**10.00**
Heptachlor Epoxide	*2.55*	**4.46**	**3.33**	Benzo[a]pyrene	Lost	*4.00*	*4.00*
trans-Chlordane	2.94	5.63	4.29	Indeno[1,2,3-c,d]pyrene	Lost	*4.00*	*4.00*
trans-Nonachlor	3.94	6.85	5.40	Dibenz[a,h]anthracene	Lost	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	Lost	*9.18*	*9.18*
cis-Chlordane	**4.12**	6.35	**5.24**	Benzo[b]thiophene	Lost	*24.57*	*24.57*
Endosulfan	3.01	4.25	3.63	2-methylnaphthalene	Lost	*24.63*	*24.63*
p,p'-DDE	**4.76**	5.84	**5.30**	1-methylnaphthalene	Lost	**10.00**	**10.00**
Dieldrin	10.50	12.49	11.49	Biphenyl	Lost	*4.00*	*4.00*
o,p'-DDD	**5.83**	8.19	**7.01**	1-ethylnaphthalene	Lost	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	Lost	*4.00*	*4.00*
cis-Nonachlor	*1.81*	**2.30**	*1.81*	4-methylbiphenyl	Lost	*40.10*	*40.10*
o,p'-DDT	*1.30*	**3.44**	**1.72**	2,3,5-trimethylnaphthalene	Lost	*4.00*	*4.00*
p,p'-DDD	**3.38**	10.77	7.08	1-methylfluorene	Lost	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	Lost	*4.00*	*4.00*
p,p'-DDT	**3.64**	15.39	**9.52**	2-methylphenanthrene	Lost	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	Lost	*4.00*	*4.00*
Methoxychlor	*0.12*	1.17	**0.59**	3,6-dimethylphenanthrene	Lost	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	Lost	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	Lost	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	Lost	**10.00**	**10.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	Lost	*4.00*	*4.00*
				3-methylcholanthrene	Lost	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 15, Deployment # 1, Station ID **1-AGAN000.32**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	**1.54**	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.29**	**1.40**	**1.35**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	17.21	18.04	17.63	Acenaphthene	*18.63*	**20.00**	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	**2.82**	*2.45*	Phenanthrene	*69.87*	**70.00**	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	120.00	40.00	80.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	210.00	**20.00**	115.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	**10.00**	*4.00*	**5.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**4.02**	6.29	**5.15**	Benzo[b]fluoranthene	20.00	*4.00*	**10.00**
Oxychlordane	**3.86**	*1.75*	**2.71**	Benzo[k]fluoranthene	**10.00**	*4.00*	**5.00**
Heptachlor Epoxide	**4.07**	*2.55*	**3.31**	Benzo[a]pyrene	**10.00**	*4.00*	**5.00**
trans-Chlordane	6.31	4.34	5.33	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	7.01	5.22	6.12	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	8.53	7.82	8.18	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	5.00	4.12	4.56	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	19.11	20.36	19.73	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	13.21	12.56	12.88	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**5.48**	*1.60*	**2.97**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	17.66	11.54	14.60	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	**2.69**	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**3.66**	*1.30*	**1.83**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	6.26	**2.98**	**4.62**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**8.22**	**5.07**	**6.65**	2-methylphenanthrene	**10.00**	*4.00*	**5.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	**10.00**	*4.00*	**5.00**
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	**10.00**	*4.00*	**5.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	**10.00**	**5.00**
	1.10	**1.54**	*1.10*	3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 17, Deployment # 1, Station ID **3-BLK001.92**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	8.36	10.33	9.35	Acenaphthene	**20.00**	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	**70.00**	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	50.00	20.00	35.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	**20.00**	**25.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	*0.53*	*0.53*	*0.53*	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**3.33**	**3.68**	**3.51**	1-methylnaphthalene	*9.18*	**10.00**	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.02**	*1.60*	**1.64**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	**10.00**	**5.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	20.00	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 18, Deployment # 1, Station ID **2-XUE000.31**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**4.35**	**4.10**	**4.23**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**0.98**	**0.88**	**0.93**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	9.20	13.68	11.44	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**7.91**	**8.01**	**7.96**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	**1.84**	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	20.00	30.00	25.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	**20.00**	**20.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.78**	**2.24**	**1.51**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	**0.82**	**0.41**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	**1.32**	**0.91**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**3.31**	**3.37**	**3.34**	1-methylnaphthalene	**10.00**	*9.18*	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**3.47**	**3.63**	**3.55**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**3.71**	**5.02**	**4.37**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**1.65**	**2.93**	**2.29**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.52**	**1.26**	**0.89**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	**4.87**	*2.83*	2-methylphenanthrene	20.00	*4.00*	**10.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 19, Deployment # 1, Station ID **2-JK5070.97**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.59**	**1.50**	**1.55**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	7.39	6.68	7.04	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	30.00	**10.00**	20.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	*9.18*	**10.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**2.32**	**1.29**	**1.80**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	1.78	0.94	1.36	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.45**	*1.14*	**1.23**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**1.61**	**1.27**	**1.44**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**3.42**	**3.87**	**3.65**	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**1.89**	**2.25**	**2.07**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**4.95**	**6.38**	**5.67**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**2.22**	**3.44**	**2.83**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.65**	**4.80**	**3.23**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	**1.15**	**0.73**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	*4.00*	**5.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	*4.00*	**5.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 21, Deployment # 1, Station ID **3-CRC001.38**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.00**	**0.84**	**0.92**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	35.92	48.39	42.16	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	**2.26**	**1.46**	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**5.12**	20.10	**12.61**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	**10.00**	90.00	50.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**10.00**	60.00	35.00
δ-Benzenehexachloride	*0.12*	2.62	1.31	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	**10.00**	**5.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	*0.53*	*0.53*	*0.53*	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	**0.65**	**0.60**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**3.48**	**4.03**	**3.76**	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	*1.22*	1.25	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	**10.00**	**5.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	**10.00**	**5.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	70.00	40.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 22, Deployment # 1, Station ID **2-APP061.07**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**3.57**	**3.03**	**3.30**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.20**	**2.04**	**2.12**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	18.45	31.40	24.93	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	**20.00**	*18.63*
Diazinon	**5.40**	*2.45*	**3.47**	Phenanthrene	*69.87*	**100.00**	**75.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	110.00	70.00	90.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	80.00	50.00	65.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	10.17	8.04	9.11	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	2.55	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.65**	3.82	2.73	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.90**	3.24	2.07	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.64**	**3.77**	**2.70**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**0.97**	2.87	**1.92**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**5.51**	**5.40**	**5.46**	1-methylnaphthalene	*9.18*	**10.00**	*9.18*
Dieldrin	**3.02**	**3.40**	**3.21**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**7.39**	9.49	8.44	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	**1.92**	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**4.85**	**3.98**	**4.42**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**4.12**	**3.66**	**3.89**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	3.39	2.47	2.93	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**4.24**	*2.83*	**3.37**	2-methylphenanthrene	**10.00**	20.00	**15.00**
Endosulfan Sulfate	**1.57**	*0.70*	**1.04**	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	4.52	2.26	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	**10.00**	**10.00**	**10.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	80.00	**10.00**	45.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 23, Deployment # 1, Station ID **1-BNF5048.74**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.39**	**3.75**	**2.57**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	2.06	10.05	6.06	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	**100.00**	**70.00**	**85.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	**2.04**	*1.76*	*1.76*	Fluoranthene	70.00	70.00	70.00
Heptachlor	**0.15**	**0.23**	**0.19**	Pyrene	60.00	50.00	55.00
δ-Benzenehexachloride	3.46	*0.12*	1.73	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**1.21**	**1.41**	**1.31**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.94**	2.88	**2.41**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.86**	1.86	1.36	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.93**	**3.08**	**2.50**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	**0.90**	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	9.13	14.43	11.78	1-methylnaphthalene	**10.00**	*9.18*	*9.18*
Dieldrin	**2.75**	**3.44**	**3.09**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.78**	14.77	8.78	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	**3.87**	**1.93**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.51**	**4.02**	**2.77**	2,3,5-trimethylnaphthalene	20.00	*4.00*	**10.00**
p,p'-DDD	**1.33**	**3.93**	**2.63**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.46**	2.53	**1.49**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	**7.69**	**5.09**	2-methylphenanthrene	30.00	**10.00**	20.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 24, Deployment # 1, Station ID **8-MPN046.13**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**1.38**	**1.49**	**1.44**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.74**	**3.01**	**2.88**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	47.57	47.61	47.59	Acenaphthene	*18.63*	**30.00**	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	**30.00**	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	**100.00**	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	**10.00**	**5.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	*4.00*	20.00	**10.00**
Heptachlor	0.12	**0.15**	**0.14**	Pyrene	*9.18*	**10.00**	*9.18*
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.36**	**1.25**	**1.30**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.65**	**0.68**	**0.67**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.69**	**1.58**	**1.63**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**0.72**	**0.69**	**0.70**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**4.12**	*1.71*	**2.54**	1-methylnaphthalene	*9.18*	**10.00**	*9.18*
Dieldrin	**2.51**	**2.59**	**2.55**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**3.18**	**3.22**	**3.20**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**2.31**	**2.17**	**2.24**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**1.37**	**1.35**	**1.36**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**1.13**	**1.25**	**1.19**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	50.00	25.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 25, Deployment # 1, Station ID **2-BLB002.04**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**6.82**	**8.34**	**7.58**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	**0.87**	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	15.51	16.19	15.85	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	**80.00**	**170.00**	**125.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	20.00	320.00	170.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**10.00**	190.00	100.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	**10.00**	**5.00**
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	**100.00**	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	30.00	**15.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	**10.00**	**5.00**
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**2.03**	**0.87**	**1.45**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	6.52	7.32	6.92	1-methylnaphthalene	**10.00**	*9.18*	*9.18*
Dieldrin	**2.25**	**2.89**	**2.57**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	**4.08**	**2.14**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	**3.66**	**2.25**	2,3,5-trimethylnaphthalene	*4.00*	**10.00**	**5.00**
p,p'-DDD	*1.28*	**2.78**	**1.69**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.49**	2.86	**1.67**	Dibenzothiophene	*4.00*	**10.00**	**5.00**
p,p'-DDT	*2.83*	**4.17**	2.83	2-methylphenanthrene	*4.00*	60.00	30.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	30.00	**15.00**
Mirex	*0.12*	4.17	2.09	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	**10.00**	**5.00**
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	20.00	**10.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	30.00	40.00	35.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 28, Deployment # 1, Station ID **3-JOA002.68**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**1.82**	**2.49**	**2.16**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**3.26**	**3.15**	**3.21**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	19.11	17.48	18.30	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**30.00**	**30.00**	**30.00**
Diazinon	*2.45*	**7.73**	**4.57**	Phenanthrene	**140.00**	**150.00**	**145.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	260.00	70.00	165.00
Heptachlor	**0.77**	**0.63**	**0.70**	Pyrene	170.00	60.00	115.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	**10.00**	*4.00*	**5.00**
Dacthal	*0.36*	**0.54**	*0.36*	Chrysene	**100.00**	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	30.00	*4.00*	**15.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	20.00	*4.00*	**10.00**
Heptachlor Epoxide	**4.82**	**6.35**	**5.58**	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	4.55	6.22	5.38	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	3.83	5.27	4.55	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	6.16	8.10	7.13	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**0.97**	**1.55**	**1.26**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	7.97	**2.31**	**5.14**	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	**5.17**	6.34	5.75	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.31**	**2.76**	**2.54**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**2.49**	**2.86**	**2.68**	2,3,5-trimethylnaphthalene	**10.00**	*4.00*	**5.00**
p,p'-DDD	*1.28*	**1.36**	*1.28*	1-methylfluorene	*4.00*	30.00	**15.00**
Endosulfan-II	2.38	2.24	2.31	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	**5.01**	**5.23**	**5.12**	2-methylphenanthrene	50.00	50.00	50.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	30.00	20.00	25.00
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	20.00	*4.00*	**10.00**
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	*4.00*	**5.00**
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	30.00	*4.00*	**15.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	110.00	**10.00**	60.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 29, Deployment # 1, Station ID **1-ACAA000.83**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**4.29**	**0.72**	**2.51**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**0.90**	**0.89**	**0.90**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	15.22	12.90	14.06	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**30.00**	**30.00**	**30.00**
Diazinon	**15.47**	**8.72**	**12.10**	Phenanthrene	**150.00**	**160.00**	**160.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	70.00	80.00	80.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	60.00	70.00	70.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**1.83**	**1.80**	**1.82**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.20**	**2.33**	**1.76**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.46**	1.65	1.06	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	**2.14**	**1.60**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	**1.49**	**0.79**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	**2.79**	*1.71*	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	**1.37**	**1.35**	**1.36**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**5.69**	*1.60*	**2.85**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**6.08**	**5.21**	**5.65**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**2.41**	**2.06**	**2.24**	1-methylfluorene	30.00	30.00	30.00
Endosulfan-II	2.91	2.42	2.66	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	**6.18**	**4.76**	**5.47**	2-methylphenanthrene	50.00	50.00	50.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	20.00	20.00	20.00
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 31, Deployment # 1, Station ID **8-MTA012.09**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.97**	**2.18**	**2.08**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	30.23	29.09	29.66	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	40.00	30.00	35.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	**20.00**	**25.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.88**	**0.77**	**0.83**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.52**	**0.43**	**0.48**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.67**	**0.67**	**0.67**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	20.00	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 32, Deployment # 1, Station ID **5-ASAP004.00**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**3.24**	**2.92**	**3.08**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	45.47	43.44	44.46	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	20.00	30.00	25.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	30.00	30.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	**0.40**	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**3.01**	**3.09**	**3.05**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.66**	**1.47**	**1.57**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	1.66	1.32	1.49	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.86**	**1.68**	**1.77**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**0.67**	*0.55*	**0.59**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**2.52**	**1.92**	**2.22**	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**3.22**	**3.06**	**3.14**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	**1.46**	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**1.60**	**2.10**	**1.85**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**1.47**	**0.97**	**1.22**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	**10.00**	**5.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Result of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 33, Deployment # 1, Station ID **5-BPCT002.16**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	4.13	5.03	4.58	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	6.95	6.51	6.73	Acenaphthene	90.00	80.00	85.00
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**50.00**	**50.00**	**50.00**
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	**130.00**	**110.00**	**120.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	130.00	120.00	125.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	110.00	110.00	110.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	**0.92**	**0.43**	**0.68**	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**4.89**	**3.85**	**4.37**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**2.12**	**2.02**	**2.07**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	1.09	1.01	1.05	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**3.26**	**3.57**	**3.42**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**0.79**	**0.92**	**0.86**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	41.53	39.52	40.52	1-methylnaphthalene	30.00	30.00	30.00
Dieldrin	25.98	25.99	25.99	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**5.94**	**6.90**	**6.42**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	7.96	8.23	8.10	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**3.87**	**3.99**	**3.93**	2,3,5-trimethylnaphthalene	**10.00**	**10.00**	**10.00**
p,p'-DDD	38.46	39.03	38.74	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	2.68	2.45	2.57	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	14.02	14.51	14.26	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	**0.80**	**1.04**	**0.92**	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	**10.00**	**5.00**
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	20.00	20.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 34, Deployment # 1, Station ID **5-ABLC000.88**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	8.67	6.58	7.62	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	**5.00**	**5.00**	**5.00**
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**5.00**	**5.00**	**5.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.87**	**0.71**	**0.79**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	1.36	1.35	1.35	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 35, Deployment # 1, Station ID **5-ANTW097.27**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	7.93	3.98	5.95	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	75.00	40.00	57.50
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	55.00	25.00	40.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**2.19**	**2.31**	**2.25**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.59**	*0.53*	*0.53*	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.26**	*0.12*	**0.15**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**2.34**	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**5.00**	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	40.00	30.00	35.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 36, Deployment # 1, Station ID **9-NBS006.58**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.07**	**0.89**	**0.98**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	6.97	6.62	6.79	Acenaphthene	**55.00**	80.00	67.50
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**50.00**	75.00	62.50
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	415.00	550.00	482.50
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**5.00**	**5.00**	**5.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	995.00	1235.00	1115.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	640.00	795.00	717.50
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	40.00	60.00	50.00
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	**5.00**	**5.00**	**5.00**
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.80**	**0.61**	**0.70**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.24**	**0.23**	**0.23**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	**10.00**	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**5.00**	**5.00**	**5.00**
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**5.00**	**10.00**	**7.50**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	20.00	30.00	25.00
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	65.00	105.00	85.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	5.00	**5.00**	**5.00**
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	25.00	35.00	30.00
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	**15.00**	**12.50**
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	**5.00**	**5.00**	**5.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)
Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 37, Deployment # 1, Station ID **5-AMHN097.83**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	10.24	10.55	10.39	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	**15.00**	**10.00**	**12.50**
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**15.00**	**10.00**	**12.50**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**3.23**	**2.41**	**2.82**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.05**	**0.76**	**0.91**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.48**	**0.40**	**0.44**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**2.42**	**1.94**	**2.18**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.50**	**0.46**	**0.48**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	20.00	20.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 38, Deployment # 1, Station ID **2-NWD004.15**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**0.94**	**1.00**	**0.97**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	17.15	17.36	17.25	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	250.00	220.00	235.00
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	410.00	360.00	385.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	300.00	270.00	285.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	20.00	20.00	20.00
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	**10.00**	*4.00*	**5.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.32**	**1.14**	**1.23**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	**1.45**	**1.45**	**1.45**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	**2.22**	**1.11**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**10.00**	*4.00*	**5.00**
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	30.00	30.00	30.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	**10.00**	**10.00**	**10.00**
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	*4.00*	**5.00**
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	60.00	50.00	55.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 40, Deployment # 1, Station ID **9-PLM000.35**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**0.87**	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	11.89	10.31	11.10	Acenaphthene	**30.00**	**20.00**	**25.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**30.00**	**20.00**	**25.00**
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	**140.00**	**140.00**	**140.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	**10.00**	**10.00**	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	210.00	190.00	200.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	140.00	130.00	135.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	**10.00**	**10.00**	**10.00**
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	**3.42**	**3.30**	**3.36**	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	5.29	4.44	4.87	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	3.85	2.99	3.42	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	6.63	5.52	6.08	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	**10.00**	**20.00**	**15.00**
Dieldrin	**4.81**	**3.57**	**4.19**	Biphenyl	10.00	10.00	10.00
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	**10.00**	**10.00**	**10.00**
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	20.00	20.00	20.00
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	20.00	20.00	20.00
Endosulfan-II	2.01	**1.49**	**1.75**	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	40.00	40.00	40.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	**10.00**	**10.00**	**10.00**
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	**10.00**	**10.00**	**10.00**
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	**10.00**	**10.00**
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	**10.00**	**10.00**	**10.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 41, Deployment # 1, Station ID **5-AFON024.32**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	**1.02**	**0.87**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	21.05	25.71	23.38	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	30.00	30.00	30.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	**20.00**	**20.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.71**	**0.58**	**0.65**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.49**	0.12	**0.31**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.17**	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	8.33	**5.58**	6.96	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**3.16**	**2.00**	**2.58**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**2.72**	**2.67**	**2.70**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**1.07**	**1.19**	**1.13**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**4.41**	**3.99**	**4.20**	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	**10.00**	**15.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 42, Deployment # 1, Station ID **2-CAT026.55**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.41**	**2.17**	**1.79**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	15.87	18.84	17.35	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**5.52**	**10.78**	**8.15**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	30.00	30.00	30.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**10.00**	**10.00**	**10.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**1.31**	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.29**	**1.60**	**1.45**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.76**	1.02	**0.89**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.97**	**2.47**	**2.22**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**1.53**	**1.82**	**1.68**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	**10.00**	*9.18*	*9.18*
Dieldrin	**1.57**	**1.70**	**1.63**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.71**	**1.35**	**1.03**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	*4.00*	**5.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 43, Deployment # 1, Station ID **3-MTN003.31**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**1.37**	**1.63**	**1.50**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**3.50**	**3.73**	**3.61**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	49.75	47.68	48.71	Acenaphthene	**20.00**	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**40.00**	*18.63*	**20.00**
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	290.00	**180.00**	235.00
Lindane	**1.64**	**2.13**	**1.89**	Anthracene	20.00	*4.00*	**10.00**
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	780.00	840.00	810.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	580.00	630.00	605.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	50.00	50.00	50.00
Dacthal	**0.88**	**0.69**	**0.79**	Chrysene	260.00	310.00	285.00
Chlorpyrifos	**2.81**	**2.10**	**2.46**	Benzo[b]fluoranthene	80.00	110.00	95.00
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	40.00	30.00	35.00
Heptachlor Epoxide	**7.32**	**8.64**	**7.98**	Benzo[a]pyrene	**10.00**	**10.00**	**10.00**
trans-Chlordane	7.17	8.65	7.91	Indeno[1,2,3-c,d]pyrene	**10.00**	**10.00**	**10.00**
trans-Nonachlor	5.68	6.84	6.26	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	**20.00**	**20.00**	**20.00**
Cis-Chlordane	9.63	11.59	10.61	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**2.05**	3.00	**2.53**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	7.99	**3.38**	5.69	1-methylnaphthalene	**10.00**	*9.18*	*9.18*
Dieldrin	26.05	32.19	29.12	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	**10.00**	*4.00*	**5.00**
Cis-Nonachlor	*1.81*	**1.93**	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	**1.42**	*1.30*	2,3,5-trimethylnaphthalene	20.00	*4.00*	**10.00**
p,p'-DDD	**2.08**	**3.22**	**2.65**	1-methylfluorene	30.00	**10.00**	20.00
Endosulfan-II	2.52	4.28	3.40	Dibenzothiophene	20.00	**10.00**	**15.00**
p,p'-DDT	*2.83*	**4.53**	**3.27**	2-methylphenanthrene	80.00	70.00	75.00
Endosulfan Sulfate	*0.70*	**0.76**	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	1.06	**0.53**	3,6-dimethylphenanthrene	40.00	40.00	40.00
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	30.00	40.00	35.00
Cis-Permethrin	**2.72**	*1.13*	**1.40**	Benzo[b]naphtho[2,1-d]thiophene	40.00	50.00	45.00
trans-Permethrin	*0.42*	4.62	2.31	Benzo[e]pyrene	60.00	80.00	70.00
Total PCBs	501.16	316.21	408.69	Perylene	130.00	110.00	120.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 44, Deployment # 1, Station ID **9-DDD006.61**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	**0.99**	**0.88**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	13.01	12.01	12.51	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**9.64**	*2.45*	**4.82**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	40.00	40.00	40.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	30.00	30.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	**0.51**	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.54**	**1.51**	**1.53**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.78**	**0.82**	**0.80**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.65**	**1.56**	**1.61**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**1.94**	**1.92**	**1.93**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	**10.00**	**5.00**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	**10.00**	**15.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 45, Deployment # 1, Station ID **4-ABWA008.53**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.52**	**2.61**	**2.06**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	18.59	30.83	24.71	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**7.72**	**11.94**	**9.83**	Phenanthrene	**140.00**	**130.00**	**135.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	390.00	380.00	385.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	210.00	200.00	205.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	**1.31**	**1.54**	**1.43**	Chrysene	**100.00**	**100.00**	**100.00**
Chlorpyrifos	**1.34**	**1.92**	**1.63**	Benzo[b]fluoranthene	20.00	20.00	20.00
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	**4.94**	**5.54**	**5.24**	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	3.59	4.28	3.94	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	2.67	3.51	3.09	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	6.13	7.70	6.92	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	**0.79**	**0.61**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	11.86	15.08	13.47	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	1.85	2.61	2.23	Dibenzothiophene	**10.00**	**10.00**	**10.00**
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	30.00	30.00	30.00
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	**10.00**	**10.00**	**10.00**
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	**10.00**	**10.00**	**10.00**
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	**10.00**	**10.00**	**10.00**
trans-Permethrin	*0.42*	3.45	1.73	Benzo[e]pyrene	**10.00**	**10.00**	**10.00**
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	30.00	30.00	30.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 46, Deployment # 1, Station ID **4-AMCG000.56**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	17.73	13.42	15.57	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**8.16**	**14.46**	**11.31**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	30.00	30.00	30.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	**20.00**	**20.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.09**	**1.52**	**1.31**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.31**	**0.43**	**0.37**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	**1.21**	**1.15**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	*1.71*	*1.71*	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	**1.37**	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	*0.39*	**0.46**	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	30.00	20.00	25.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 48, Deployment # 1, Station ID **4-ABOR033.22**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.24**	**2.40**	**2.32**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	20.05	19.84	19.95	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**8.30**	**7.42**	**7.86**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	40.00	50.00	45.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	30.00	30.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**1.66**	**1.66**	**1.66**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	2.57	2.67	2.62	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	1.44	1.57	1.51	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**2.16**	**2.26**	**2.21**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	13.16	13.63	13.39	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	*1.22*	**1.52**	**1.36**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.98**	**3.55**	**3.27**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	**4.74**	**2.37**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**3.03**	**2.32**	**2.67**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	**4.07**	**4.43**	**4.25**	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**1.35**	**0.88**	**1.12**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	**5.50**	**4.88**	**5.19**	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	0.70	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	4.58	4.57	4.58	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 49, Deployment # 1, Station ID **4-AFRY006.08**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	11.69	8.16	9.93	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**3.65**	*2.45*	*2.45*	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	20.00	**10.00**	**15.00**
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	**10.00**	**15.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.64**	*0.53*	*0.53*	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**3.53**	**3.12**	**3.32**	1-methylnaphthalene	*9.18*	*9.18*	*9.18*
Dieldrin	**1.34**	**1.68**	**1.51**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.77**	*1.30*	**1.35**	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	**10.00**	**5.00**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	**10.00**	**15.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 50, Deployment # 1, Station ID **9-WLKO26.82**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**2.24**	**2.29**	**2.27**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	10.92	11.60	11.26	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	*69.87*	**80.00**	**70.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	80.00	90.00	85.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	40.00	35.00
δ-Benzenehexachloride	2.29	2.41	2.35	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	**1.78**	**5.09**	**3.43**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**2.45**	**2.27**	**2.36**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.87**	1.18	1.03	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.68**	**1.68**	**1.68**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	**0.79**	**0.65**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**2.82**	**3.39**	**3.10**	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	**2.04**	**1.93**	**1.99**	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**4.07**	**4.36**	**4.22**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	6.06	**5.23**	**5.64**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.91**	*1.30*	**1.59**	2,3,5-trimethylnaphthalene	*4.00*	**10.00**	**5.00**
p,p'-DDD	**1.40**	*1.28*	*1.28*	1-methylfluorene	*4.00*	**10.00**	**5.00**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	4.62	4.69	4.66	3,6-dimethylphenanthrene	**10.00**	**10.00**	**10.00**
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 1, Deployment # 2, Station ID **2-RVN022.61**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	**1.83**	**2.46**	**2.14**	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.85**	**1.82**	**1.84**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	20.82	26.71	23.77	Acenaphthene	**40.00**	**40.00**	**40.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**50.00**	**50.00**	**50.00**
Diazinon	**8.75**	**12.50**	**10.62**	Phenanthrene	400.00	400.00	400.00
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	20.00	20.00	20.00
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	560.00	510.00	535.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	490.00	450.00	470.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	**10.00**	**10.00**	**10.00**
Dacthal	2.40	3.78	3.09	Chrysene	**170.00**	**160.00**	**165.00**
Chlorpyrifos	*1.12*	**2.32**	**1.65**	Benzo[b]fluoranthene	20.00	**10.00**	**15.00**
Oxychlordane	*1.75*	**1.95**	*1.75*	Benzo[k]fluoranthene	**10.00**	**10.00**	**10.00**
Heptachlor Epoxide	**7.72**	11.60	**9.66**	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	10.81	15.86	13.33	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	6.27	10.13	8.20	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	15.89	22.03	18.96	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**2.37**	5.56	3.97	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	6.60	10.09	8.34	1-methylnaphthalene	30.00	30.00	30.00
Dieldrin	24.47	54.90	39.69	Biphenyl	**10.00**	**10.00**	**10.00**
o,p'-DDD	**2.67**	**6.38**	**4.53**	1-ethylnaphthalene	**10.00**	**10.00**	**10.00**
Endrin	**4.40**	8.58	6.49	1,2-dimethylnaphthalene	**10.00**	**10.00**	**10.00**
cis-Nonachlor	*1.81*	**2.72**	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**2.18**	**4.68**	**3.43**	2,3,5-trimethylnaphthalene	40.00	40.00	40.00
p,p'-DDD	**2.56**	5.66	**4.11**	1-methylfluorene	40.00	40.00	40.00
Endosulfan-II	3.95	7.02	5.49	Dibenzothiophene	20.00	20.00	20.00
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	70.00	70.00	70.00
Endosulfan Sulfate	*0.70*	**0.73**	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	30.00	30.00	30.00
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	20.00	20.00	20.00
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	20.00	**10.00**	**15.00**
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	20.00	20.00	20.00
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	20.00	20.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 2, Deployment # 2, Station ID **2-HAK004.34**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**0.94**	***0.84***	**0.84**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	15.91	11.58	13.75	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	*2.45*	**3.37**	*2.45*	Phenanthrene	**80.00**	**70.00**	**75.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	50.00	40.00	45.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	50.00	40.00	45.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	**90.00**	*88.45*	*88.45*
Chlorpyrifos	**2.03**	*1.12*	**1.56**	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	**3.87**	**3.00**	**3.44**	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	3.77	2.91	3.34	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	3.10	2.17	2.64	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**4.35**	**3.48**	**3.91**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	10.05	8.89	9.47	1-methylnaphthalene	**20.00**	**20.00**	**20.00**
Dieldrin	7.01	6.75	6.88	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	8.56	12.67	10.62	1-ethylnaphthalene	**10.00**	*4.00*	**5.00**
Endrin	**3.57**	**4.71**	**4.14**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.86**	**2.41**	**2.13**	2,3,5-trimethylnaphthalene	**10.00**	**10.00**	**10.00**
p,p'-DDD	**4.94**	**5.23**	**5.08**	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	**0.59**	**1.10**	**0.85**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	4.47	*0.12*	2.24	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 4, Deployment # 2, Station ID **2-BLB002.04**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.25**	**0.94**	**1.10**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	18.55	15.59	17.07	Acenaphthene	*18.63*	**20.00**	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	**3.78**	**1.35**	**2.56**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	40.00	*4.00*	20.00
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	20.00	20.00	20.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**20.00**	**20.00**	**20.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**2.08**	**0.83**	**1.45**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.54**	**0.27**	**0.41**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**3.35**	**3.04**	**3.19**	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	**2.26**	**2.66**	**2.46**	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	**3.93**	**3.47**	**3.70**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	*4.00*	*4.00*	*4.00*
Endosulfan-II	**0.66**	**0.64**	**0.65**	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	20.00	20.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 13, Deployment # 2, Station ID **2-BLK001.92**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	7.85	8.46	8.16	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	*2.45*	*2.45*	Phenanthrene	**70.00**	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	40.00	30.00	35.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	30.00	**20.00**	**25.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	**0.51**	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**0.65**	*0.53*	**0.56**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	*0.12*	*0.12*	*0.12*	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**2.69**	**2.33**	**2.51**	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	0.39	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	**0.79**	**0.83**	**0.81**	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 14, Deployment # 2, Station ID **4-AHRN007.65**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	**1.64**	**1.29**	**1.47**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	22.10	19.00	20.55	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**20.00**	**20.00**	**20.00**
Diazinon	**15.67**	*2.45*	**7.83**	Phenanthrene	**100.00**	**90.00**	**95.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	40.00	30.00	35.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	40.00	30.00	35.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.81**	**1.07**	**1.44**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	1.25	**0.22**	**0.74**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.66**	*1.14*	**1.20**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	**1.31**	*0.55*	**0.80**	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**2.69**	**2.47**	**2.58**	1-methylnaphthalene	**20.00**	**20.00**	**20.00**
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	**10.00**	**10.00**	**10.00**
Endrin	**1.88**	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	*1.30*	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**10.00**	**10.00**	**10.00**
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	0.39	*0.39*	*0.39*	Dibenzothiophene	**10.00**	*4.00*	**5.00**
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	20.00	20.00	20.00
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 15, Deployment # 2, Station ID **Not Given**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	*1.10*	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	3.93	**3.75**	**3.84**	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	12.59	14.98	13.79	Acenaphthene	**20.00**	**20.00**	**20.00**
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	**30.00**	**20.00**	**25.00**
Diazinon	**3.72**	*2.45*	*2.45*	Phenanthrene	**130.00**	**110.00**	**120.00**
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	110.00	100.00	105.00
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	80.00	70.00	75.00
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	**90.00**	**90.00**	**90.00**
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.43**	**1.44**	**1.43**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.76**	**0.79**	**0.78**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	**1.50**	**1.60**	**1.55**	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	**4.80**	**4.78**	**4.79**	1-methylnaphthalene	**20.00**	**20.00**	**20.00**
Dieldrin	**1.32**	**1.13**	**1.23**	Biphenyl	**10.00**	**10.00**	**10.00**
o,p'-DDD	**3.04**	*1.60*	*1.60*	1-ethylnaphthalene	**10.00**	**10.00**	**10.00**
Endrin	**2.79**	**3.03**	**2.91**	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.42**	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	**10.00**	**10.00**	**10.00**
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	**10.00**	**10.00**	**10.00**
Endosulfan Sulfate	*0.70*	*0.70*	*0.70*	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	**10.00**	**10.00**	**10.00**
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table V (continued)

Results of SPMD Analysis (ng/SPMD) Corrected for Background
CERC Site # 18, Deployment # 2, Station ID **Not Given**

OCPs & PCBs	Rep # 1	Rep # 2	Mean	**PAHs**	Rep # 1	Rep # 2	Mean
Trifluralin	*1.10*	1.14	*1.10*	Naphthalene	*46.94*	*46.94*	*46.94*
Hexachlorobenzene	*0.84*	*0.84*	*0.84*	Acenaphthylene	*4.00*	*4.00*	*4.00*
Pentachloroanisole	8.49	8.38	8.44	Acenaphthene	*18.63*	*18.63*	*18.63*
α-Benzenehexachloride	*1.34*	*1.34*	*1.34*	Fluorene	*18.63*	*18.63*	*18.63*
Diazinon	*2.45*	**4.60**	**3.33**	Phenanthrene	*69.87*	*69.87*	*69.87*
Lindane	*1.53*	*1.53*	*1.53*	Anthracene	*4.00*	*4.00*	*4.00*
β-Benzenehexachloride	*1.76*	*1.76*	*1.76*	Fluoranthene	**10.00**	*4.00*	**5.00**
Heptachlor	*0.12*	*0.12*	*0.12*	Pyrene	**10.00**	**10.00**	**10.00**
δ-Benzenehexachloride	*0.12*	*0.12*	*0.12*	Benz[a]anthracene	*4.00*	*4.00*	*4.00*
Dacthal	*0.36*	*0.36*	*0.36*	Chrysene	*88.45*	*88.45*	*88.45*
Chlorpyrifos	*1.12*	*1.12*	*1.12*	Benzo[b]fluoranthene	*4.00*	*4.00*	*4.00*
Oxychlordane	*1.75*	*1.75*	*1.75*	Benzo[k]fluoranthene	*4.00*	*4.00*	*4.00*
Heptachlor Epoxide	*2.55*	*2.55*	*2.55*	Benzo[a]pyrene	*4.00*	*4.00*	*4.00*
trans-Chlordane	**1.29**	**1.01**	**1.15**	Indeno[1,2,3-c,d]pyrene	*4.00*	*4.00*	*4.00*
trans-Nonachlor	**0.31**	*0.12*	**0.16**	Dibenz[a,h]anthracene	*4.00*	*4.00*	*4.00*
o,p'-DDE	*0.89*	*0.89*	*0.89*	Benzo[g,h,i]perylene	*9.18*	*9.18*	*9.18*
cis-Chlordane	*1.14*	*1.14*	*1.14*	Benzo[b]thiophene	*24.57*	*24.57*	*24.57*
Endosulfan	*0.55*	*0.55*	*0.55*	2-methylnaphthalene	*24.63*	*24.63*	*24.63*
p,p'-DDE	*1.71*	**2.35**	*1.71*	1-methylnaphthalene	**10.00**	**10.00**	**10.00**
Dieldrin	*1.22*	*1.22*	*1.22*	Biphenyl	*4.00*	*4.00*	*4.00*
o,p'-DDD	*1.60*	*1.60*	*1.60*	1-ethylnaphthalene	*4.00*	*4.00*	*4.00*
Endrin	*1.75*	*1.75*	*1.75*	1,2-dimethylnaphthalene	*4.00*	*4.00*	*4.00*
cis-Nonachlor	*1.81*	*1.81*	*1.81*	4-methylbiphenyl	*40.10*	*40.10*	*40.10*
o,p'-DDT	**1.38**	*1.30*	*1.30*	2,3,5-trimethylnaphthalene	*4.00*	*4.00*	*4.00*
p,p'-DDD	*1.28*	*1.28*	*1.28*	1-methylfluorene	**10.00**	**10.00**	**10.00**
Endosulfan-II	*0.39*	*0.39*	*0.39*	Dibenzothiophene	*4.00*	*4.00*	*4.00*
p,p'-DDT	*2.83*	*2.83*	*2.83*	2-methylphenanthrene	*4.00*	*4.00*	*4.00*
Endosulfan Sulfate	*0.70*	**0.85**	**0.75**	9-methylanthracene	*4.00*	*4.00*	*4.00*
Methoxychlor	*0.12*	*0.12*	*0.12*	3,6-dimethylphenanthrene	*4.00*	*4.00*	*4.00*
Mirex	*0.12*	*0.12*	*0.12*	2-methylfluoranthene	*4.00*	*4.00*	*4.00*
cis-Permethrin	*1.13*	*1.13*	*1.13*	Benzo[b]naphtho[2,1-d]thiophene	*4.00*	*4.00*	*4.00*
trans-Permethrin	*0.42*	*0.42*	*0.42*	Benzo[e]pyrene	*4.00*	*4.00*	*4.00*
Total PCBs	*14.09*	*14.09*	*14.09*	Perylene	*4.00*	*4.00*	*4.00*
				3-methylcholanthrene	*4.00*	*4.00*	*4.00*

NOTE: All values are reported without censoring for significant figures (two significant figures are justified). All values <MDL are reported as the MDL for that analyte and are *italicized.* All values >MDL and <MQL are reported without censoring for MQL and are **bolded**

Table VI

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 1, Deployment # 1, Station ID # **6-BCLN290.74**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**15.87**	Naphthalene	*5275.20*
Hexachlorobenzene	**11.64**	Acenaphthylene	*85.32*
Pentachloroanisole	28.63	Acenaphthene	*314.33*
α-Benzenehexachloride	*56.40*	Fluorene	**186.84**
Diazinon	*403.27*	Phenanthrene	**1857.96**
Lindane	*91.61*	Anthracene	**82.97**
β-Benzenehexachloride	*74.39*	Fluoranthene	1072.35
Heptachlor	**1.02**	Pyrene	1624.79
δ-Benzenehexachloride	**14.92**	Benz[a]anthracene	200.35
Dacthal	*5.04*	Chrysene	**767.72**
Chlorpyrifos	**9.35**	Benzo[b]fluoranthene	363.66
Oxychlordane	**34.04**	Benzo[k]fluoranthene	154.55
Heptachlor Epoxide	**46.84**	Benzo[a]pyrene	**47.92**
trans-Chlordane	51.25	Indeno[1,2,3-c,d]pyrene	**49.06**
trans-Nonachlor	62.68	Dibenz[a,h]anthracene	*24.98*
o,p'-DDE	*4.98*	Benzo[g,h,i]perylene	**85.86**
cis-Chlordane	82.99		
Endosulfan	N/A		
p,p'-DDE	*5.12*		
Dieldrin	90.24		
o,p'-DDD	79.04		
Endrin	*12.82*		
cis-Nonachlor	**18.63**		
o,p'-DDT	*6.23*		
p,p'-DDD	**25.49**		
p,p'-DDT	**14.77**		
Methoxychlor	*0.98*		
Mirex	*0.49*		
Total PCBs	*60.50*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 2 Deployment # 1, Station ID **6-CNFH020.93**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*8.41*	Naphthalene	*5275.20*
Hexachlorobenzene	39.05	Acenaphthylene	*75.37*
Pentachloroanisole	27.48	Acenaphthene	*284.24*
α-Benzenehexachloride	*49.74*	Fluorene	*146.70*
Diazinon	**538.36**	Phenanthrene	*627.21*
Lindane	*83.12*	Anthracene	*29.32*
β-Benzenehexachloride	*74.39*	Fluoranthene	269.50
Heptachlor	8.04	Pyrene	158.93
δ-Benzenehexachloride	**3.15**	Benz[a]anthracene	**76.52**
Dacthal	*4.39*	Chrysene	*477.79*
Chlorpyrifos	**6.11**	Benzo[b]fluoranthene	**81.03**
Oxychlordane	**35.70**	Benzo[k]fluoranthene	**68.87**
Heptachlor Epoxide	**29.76**	Benzo[a]pyrene	**32.03**
trans-Chlordane	63.89	Indeno[1,2,3-c,d]pyrene	*26.24*
trans-Nonachlor	68.94	Dibenz[a,h]anthracene	*33.39*
o,p'-DDE	*6.65*	Benzo[g,h,i]perylene	*105.34*
cis-Chlordane	95.89		
Endosulfan	N/A		
p,p'-DDE	*6.84*		
Dieldrin	38.67		
o,p'-DDD	**22.76**		
Endrin	*11.50*		
cis-Nonachlor	**28.17**		
o,p'-DDT	**8.71**		
p,p'-DDD	**27.27**		
p,p'-DDT	**33.99**		
Methoxychlor	*0.91*		
Mirex	*0.66*		
Total PCBs	*80.88*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 3, Deployment # 1, Station ID **6-BPOW133.00**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**8.89**	Naphthalene	*5275.20*
Hexachlorobenzene	**15.49**	Acenaphthylene	*75.37*
Pentachloroanisole	50.59	Acenaphthene	*284.24*
α-Benzenehexachloride	*49.74*	Fluorene	**157.52**
Diazinon	**1962.54**	Phenanthrene	**1032.29**
Lindane	*83.12*	Anthracene	**73.30**
β-Benzenehexachloride	*74.39*	Fluoranthene	1018.10
Heptachlor	5.65	Pyrene	1033.07
δ-Benzenehexachloride	*2.61*	Benz[a]anthracene	**76.52**
Dacthal	*4.39*	Chrysene	*477.79*
Chlorpyrifos	**5.16**	Benzo[b]fluoranthene	162.05
Oxychlordane	**25.43**	Benzo[k]fluoranthene	**68.87**
Heptachlor Epoxide	**46.30**	Benzo[a]pyrene	**64.07**
trans-Chlordane	75.67	Indeno[1,2,3-c,d]pyrene	*26.24*
trans-Nonachlor	71.30	Dibenz[a,h]anthracene	*33.39*
o,p'-DDE	*6.65*	Benzo[g,h,i]perylene	*105.34*
cis-Chlordane	115.62		
Endosulfan	**N/A**		
p,p'-DDE	*6.84*		
Dieldrin	**36.13**		
o,p'-DDD	**21.51**		
Endrin	**20.66**		
cis-Nonachlor	**29.23**		
o,p'-DDT	*8.33*		
p,p'-DDD	**10.88**		
p,p'-DDT	**27.84**		
Methoxychlor	*0.91*		
Mirex	*0.66*		
Total PCBs	**97.37**		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 4, Deployment # 1, Station ID **2-XUD000.15**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**41.75**	Naphthalene	*5275.20*
Hexachlorobenzene	34.59	Acenaphthylene	*82.40*
Pentachloroanisole	38.02	Acenaphthene	*305.83*
α-Benzenehexachloride	**122.50**	Fluorene	*165.56*
Diazinon	**2429.58**	Phenanthrene	*680.30*
Lindane	**162.30**	Anthracene	*32.06*
β-Benzenehexachloride	*74.39*	Fluoranthene	**49.01**
Heptachlor	**1.15**	Pyrene	**43.35**
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	*25.05*
Dacthal	*4.85*	Chrysene	*390.97*
Chlorpyrifos	*3.89*	Benzo[b]fluoranthene	*26.52*
Oxychlordane	*16.42*	Benzo[k]fluoranthene	*22.54*
Heptachlor Epoxide	*22.19*	Benzo[a]pyrene	*20.97*
trans-Chlordane	**13.63**	Indeno[1,2,3-c,d]pyrene	*21.47*
trans-Nonachlor	12.74	Dibenz[a,h]anthracene	*27.33*
o,p'-DDE	*5.44*	Benzo[g,h,i]perylene	*86.20*
cis-Chlordane	**17.72**		
Endosulfan	N/A		
p,p'-DDE	*5.60*		
Dieldrin	**14.57**		
o,p'-DDD	*10.94*		
Endrin	**14.35**		
cis-Nonachlor	*13.56*		
o,p'-DDT	*6.82*		
p,p'-DDD	*7.60*		
p,p'-DDT	**15.51**		
Methoxychlor	*0.96*		
Mirex	*0.54*		
Total PCBs	*66.18*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 5, Deployment # 1, Station ID **9-SNK019.59**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*5.78*	Naphthalene	*5275.20*
Hexachlorobenzene	**13.27**	Acenaphthylene	*87.89*
Pentachloroanisole	47.42	Acenaphthene	*321.60*
α-Benzenehexachloride	*56.40*	Fluorene	*181.89*
Diazinon	*403.27*	Phenanthrene	*720.42*
Lindane	*91.61*	Anthracene	*34.19*
β-Benzenehexachloride	*74.39*	Fluoranthene	58.05
Heptachlor	*0.22*	Pyrene	**27.65**
δ-Benzenehexachloride	32.44	Benz[a]anthracene	*21.04*
Dacthal	*5.22*	Chrysene	*328.34*
Chlorpyrifos	**11.82**	Benzo[b]fluoranthene	**55.68**
Oxychlordane	**29.46**	Benzo[k]fluoranthene	*18.93*
Heptachlor Epoxide	*23.57*	Benzo[a]pyrene	*17.61*
trans-Chlordane	**13.74**	Indeno[1,2,3-c,d]pyrene	*18.03*
trans-Nonachlor	18.17	Dibenz[a,h]anthracene	*22.95*
o,p'-DDE	*4.57*	Benzo[g,h,i]perylene	*72.39*
cis-Chlordane	**16.37**		
Endosulfan	**N/A**		
p,p'-DDE	*4.70*		
Dieldrin	46.41		
o,p'-DDD	**14.50**		
Endrin	**20.07**		
cis-Nonachlor	*11.39*		
o,p'-DDT	**6.52**		
p,p'-DDD	**11.71**		
p,p'-DDT	**18.14**		
Methoxychlor	328.69		
Mirex	*0.45*		
Total PCBs	*55.58*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 8, Deployment # 1, Station ID **4-ASRE020.75**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**94.78**	Naphthalene	*2921.89*
Hexachlorobenzene	**45.92**	Acenaphthylene	*357.04*
Pentachloroanisole	416.05	Acenaphthene	*1011.98*
α-Benzenehexachloride	*119.43*	Fluorene	*1369.15*
Diazinon	**308.15**	Phenanthrene	**4226.77**
Lindane	*174.25*	Anthracene	**260.34**
β-Benzenehexachloride	*38.90*	Fluoranthene	15349.02
Heptachlor	**19.99**	Pyrene	9853.05
δ-Benzenehexachloride	**5.39**	Benz[a]anthracene	954.60
Dacthal	**29.33**	Chrysene	**4226.77**
Chlorpyrifos	**40.81**	Benzo[b]fluoranthene	1653.95
Oxychlordane	**94.37**	Benzo[k]fluoranthene	781.03
Heptachlor Epoxide	**115.41**	Benzo[a]pyrene	**217.96**
trans-Chlordane	324.10	Indeno[1,2,3-c,d]pyrene	**223.15**
trans-Nonachlor	323.26	Dibenz[a,h]anthracene	*151.47*
o,p'-DDE	*30.18*	Benzo[g,h,i]perylene	*477.86*
cis-Chlordane	421.08		
Endosulfan	**N/A**		
p,p'-DDE	*31.04*		
Dieldrin	**93.09**		
o,p'-DDD	**96.62**		
Endrin	*44.67*		
cis-Nonachlor	**89.85**		
o,p'-DDT	**42.50**		
p,p'-DDD	**96.95**		
p,p'-DDT	**80.51**		
Methoxychlor	*2.42*		
Mirex	*3.00*		
Total PCBs	*366.88*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 9, Deployment # 1, Station ID **6-BPOW141.45**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*12.88*	Naphthalene	*4792.52*
Hexachlorobenzene	**11.25**	Acenaphthylene	*59.34*
Pentachloroanisole	65.81	Acenaphthene	*230.76*
α-Benzenehexachloride	*42.42*	Fluorene	**620.30**
Diazinon	**1912.95**	Phenanthrene	**1363.21**
Lindane	*72.23*	Anthracene	**57.71**
β-Benzenehexachloride	*66.08*	Fluoranthene	2475.83
Heptachlor	*1.01*	Pyrene	2433.50
δ-Benzenehexachloride	*2.28*	Benz[a]anthracene	234.34
Dacthal	*3.39*	Chrysene	**909.78**
Chlorpyrifos	**20.32**	Benzo[b]fluoranthene	248.12
Oxychlordane	**44.55**	Benzo[k]fluoranthene	**158.18**
Heptachlor Epoxide	**34.45**	Benzo[a]pyrene	**98.09**
trans-Chlordane	131.92	Indeno[1,2,3-c,d]pyrene	**50.22**
trans-Nonachlor	152.23	Dibenz[a,h]anthracene	*51.13*
o,p'-DDE	*10.19*	Benzo[g,h,i]perylene	**175.75**
cis-Chlordane	212.79		
Endosulfan	N/A		
p,p'-DDE	**11.93**		
Dieldrin	29.93		
o,p'-DDD	*20.48*		
Endrin	**25.87**		
cis-Nonachlor	**47.38**		
o,p'-DDT	*12.75*		
p,p'-DDD	**20.46**		
p,p'-DDT	*21.34*		
Methoxychlor	*0.76*		
Mirex	*1.01*		
Total PCBs	*123.84*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 10, Deployment # 1, Station ID **2-MFK002.21**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*16.63*	Naphthalene	*4447.70*
Hexachlorobenzene	*12.66*	Acenaphthylene	*155.59*
Pentachloroanisole	165.81	Acenaphthene	*197.45*
α-Benzenehexachloride	*37.26*	Fluorene	*596.62*
Diazinon	**2222.95**	Phenanthrene	*425.63*
Lindane	*64.11*	Anthracene	*60.51*
β-Benzenehexachloride	**126.21**	Fluoranthene	**118.38**
Heptachlor	*1.31*	Pyrene	**104.72**
δ-Benzenehexachloride	*2.03*	Benz[a]anthracene	**151.27**
Dacthal	*11.04*	Chrysene	*944.44*
Chlorpyrifos	71.58	Benzo[b]fluoranthene	**160.16**
Oxychlordane	*39.67*	Benzo[k]fluoranthene	**136.14**
Heptachlor Epoxide	*13.71*	Benzo[a]pyrene	*50.66*
trans-Chlordane	60.52	Indeno[1,2,3-c,d]pyrene	*51.86*
trans-Nonachlor	34.62	Dibenz[a,h]anthracene	*66.01*
o,p'-DDE	*13.15*	Benzo[g,h,i]perylene	*208.23*
cis-Chlordane	**48.33**		
Endosulfan	N/A		
p,p'-DDE	**20.29**		
Dieldrin	**43.98**		
o,p'-DDD	**45.79**		
Endrin	**23.18**		
cis-Nonachlor	*32.77*		
o,p'-DDT	**23.87**		
p,p'-DDD	**27.56**		
p,p'-DDT	*27.55*		
Methoxychlor	*0.67*		
Mirex	*1.31*		
Total PCBs	*159.87*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 12, Deployment # 1, Station ID **6-ADI5013.73**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	**21.14**	Naphthalene	*4180.44*
Hexachlorobenzene	**16.66**	Acenaphthylene	*183.28*
Pentachloroanisole	204.62	Acenaphthene	*519.48*
α-Benzenehexachloride	*33.86*	Fluorene	**754.68**
Diazinon	**875.25**	Phenanthrene	**3018.74**
Lindane	*58.63*	Anthracene	**178.19**
β-Benzenehexachloride	*56.79*	Fluoranthene	2300.97
Heptachlor	*1.54*	Pyrene	1542.02
δ-Benzenehexachloride	*1.86*	Benz[a]anthracene	**178.19**
Dacthal	*13.00*	Chrysene	*1112.54*
Chlorpyrifos	**40.00**	Benzo[b]fluoranthene	**188.67**
Oxychlordane	*46.73*	Benzo[k]fluoranthene	**160.37**
Heptachlor Epoxide	*45.49*	Benzo[a]pyrene	*59.67*
trans-Chlordane	**39.63**	Indeno[1,2,3-c,d]pyrene	*61.09*
trans-Nonachlor	51.32	Dibenz[a,h]anthracene	*77.76*
o,p'-DDE	*15.49*	Benzo[g,h,i]perylene	*245.30*
cis-Chlordane	**60.37**		
Endosulfan	N/A		
p,p'-DDE	*15.90*		
Dieldrin	**42.19**		
o,p'-DDD	**64.83**		
Endrin	*22.93*		
cis-Nonachlor	*38.60*		
o,p'-DDT	*19.39*		
p,p'-DDD	*21.62*		
p,p'-DDT	*32.45*		
Methoxychlor	*0.60*		
Mirex	*1.54*		
Total PCBs	*188.33*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 13, Deployment # 1, Station ID **1-BSTH029.45**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*5.07*	Naphthalene	*5275.20*
Hexachlorobenzene	**8.65**	Acenaphthylene	*91.48*
Pentachloroanisole	45.50	Acenaphthene	*331.30*
α-Benzenehexachloride	*56.40*	Fluorene	*193.71*
Diazinon	**2626.68**	Phenanthrene	*745.91*
Lindane	**177.27**	Anthracene	*35.59*
β-Benzenehexachloride	*74.39*	Fluoranthene	144.44
Heptachlor	**0.47**	Pyrene	226.05
δ-Benzenehexachloride	**10.66**	Benz[a]anthracene	**46.14**
Dacthal	*5.47*	Chrysene	*288.10*
Chlorpyrifos	75.56	Benzo[b]fluoranthene	**48.86**
Oxychlordane	**22.67**	Benzo[k]fluoranthene	**41.53**
Heptachlor Epoxide	**31.90**	Benzo[a]pyrene	*15.45*
trans-Chlordane	22.96	Indeno[1,2,3-c,d]pyrene	*15.82*
trans-Nonachlor	32.01	Dibenz[a,h]anthracene	*20.14*
o,p'-DDE	*4.01*	Benzo[g,h,i]perylene	*63.52*
cis-Chlordane	**31.06**		
Endosulfan	N/A		
p,p'-DDE	**12.75**		
Dieldrin	90.86		
o,p'-DDD	**35.29**		
Endrin	*13.58*		
cis-Nonachlor	*9.99*		
o,p'-DDT	**6.64**		
p,p'-DDD	30.94		
p,p'-DDT	**28.23**		
Methoxychlor	**5.14**		
Mirex	*0.40*		
Total PCBs	*48.77*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 15, Deployment # 1, Station ID **1-AGAN000.32**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*13.15*	Naphthalene	*N/A*
Hexachlorobenzene	**22.28**	Acenaphthylene	*77.16*
Pentachloroanisole	148.84	Acenaphthene	*248.93*
α-Benzenehexachloride	*32.97*	Fluorene	*158.06*
Diazinon	*375.22*	Phenanthrene	*536.43*
Lindane	*56.82*	Anthracene	*20.18*
β-Benzenehexachloride	*N/A*	Fluoranthene	801.29
Heptachlor	*1.44*	Pyrene	971.18
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	**59.82**
Dacthal	*26.19*	Chrysene	*952.39*
Chlorpyrifos	**71.56**	Benzo[b]fluoranthene	**134.59**
Oxychlordane	**40.17**	Benzo[k]fluoranthene	**63.34**
Heptachlor Epoxide	**17.97**	Benzo[a]pyrene	**61.53**
trans-Chlordane	65.53	Indeno[1,2,3-c,d]pyrene	*52.21*
trans-Nonachlor	73.16	Dibenz[a,h]anthracene	*74.90*
o,p'-DDE	*11.66*	Benzo[g,h,i]perylene	*208.04*
cis-Chlordane	92.66		
Endosulfan	167.58		
p,p'-DDE	154.51		
Dieldrin	308.20		
o,p'-DDD	**38.70**		
Endrin	202.84		
cis-Nonachlor	*27.77*		
o,p'-DDT	**35.83**		
p,p'-DDD	**64.23**		
p,p'-DDT	**89.46**		
Methoxychlor	*3.45*		
Mirex	*1.10*		
Total PCBs	*126.45*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 17, Deployment # 1, Station ID **3-BLK001.92**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*10.91*	Naphthalene	*5275.20*
Hexachlorobenzene	*8.31*	Acenaphthylene	*65.62*
Pentachloroanisole	68.14	Acenaphthene	*252.33*
α-Benzenehexachloride	*45.53*	Fluorene	*391.48*
Diazinon	*403.27*	Phenanthrene	*551.34*
Lindane	*76.97*	Anthracene	*25.53*
β-Benzenehexachloride	*68.80*	Fluoranthene	271.87
Heptachlor	*0.86*	Pyrene	**171.79**
δ-Benzenehexachloride	*2.42*	Benz[a]anthracene	*39.70*
Dacthal	*3.77*	Chrysene	*619.70*
Chlorpyrifos	*2.93*	Benzo[b]fluoranthene	*42.04*
Oxychlordane	*26.03*	Benzo[k]fluoranthene	*35.73*
Heptachlor Epoxide	*17.85*	Benzo[a]pyrene	*33.24*
trans-Chlordane	*6.16*	Indeno[1,2,3-c,d]pyrene	*34.03*
trans-Nonachlor	*1.53*	Dibenz[a,h]anthracene	*43.31*
o,p'-DDE	*8.63*	Benzo[g,h,i]perylene	*136.63*
cis-Chlordane	*14.54*		
Endosulfan	*N/A*		
p,p'-DDE	**18.17**		
Dieldrin	*6.88*		
o,p'-DDD	**17.70**		
Endrin	*10.15*		
cis-Nonachlor	*21.50*		
o,p'-DDT	*10.80*		
p,p'-DDD	*12.04*		
p,p'-DDT	*18.08*		
Methoxychlor	*0.82*		
Mirex	*0.86*		
Total PCBs	*104.90*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 18, Deployment # 1, Station ID **2-XUE000.31**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	**145.61**	Naphthalene	*2937.20*
Hexachlorobenzene	**32.02**	Acenaphthylene	*354.18*
Pentachloroanisole	289.42	Acenaphthene	*1003.86*
α-Benzenehexachloride	*118.47*	Fluorene	*1358.17*
Diazinon	**1003.74**	Phenanthrene	*2547.58*
Lindane	*172.85*	Anthracene	*137.74*
β-Benzenehexachloride	*39.11*	Fluoranthene	673.71
Heptachlor	*2.98*	Pyrene	**476.78**
δ-Benzenehexachloride	*5.13*	Benz[a]anthracene	*137.74*
Dacthal	*25.13*	Chrysene	*2149.94*
Chlorpyrifos	*28.25*	Benzo[b]fluoranthene	*145.84*
Oxychlordane	*90.31*	Benzo[k]fluoranthene	*123.96*
Heptachlor Epoxide	*87.92*	Benzo[a]pyrene	*115.31*
trans-Chlordane	**60.21**	Indeno[1,2,3-c,d]pyrene	*118.06*
trans-Nonachlor	**18.15**	Dibenz[a,h]anthracene	*150.26*
o,p'-DDE	*29.94*	Benzo[g,h,i]perylene	*474.03*
cis-Chlordane	*50.43*		
Endosulfan	**N/A**		
p,p'-DDE	**60.08**		
Dieldrin	*37.71*		
o,p'-DDD	*60.18*		
Endrin	**89.68**		
cis-Nonachlor	*74.59*		
o,p'-DDT	**125.92**		
p,p'-DDD	**74.77**		
p,p'-DDT	*62.71*		
Methoxychlor	*2.40*		
Mirex	*2.98*		
Total PCBs	*363.94*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 19, Deployment # 1, Station ID **2-JK5070.97**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*5.30*	Naphthalene	*N/A*
Hexachlorobenzene	**10.31**	Acenaphthylene	*103.27*
Pentachloroanisole	23.94	Acenaphthene	*356.65*
α-Benzenehexachloride	*50.02*	Fluorene	*232.74*
Diazinon	*403.27*	Phenanthrene	*761.55*
Lindane	*83.33*	Anthracene	*33.06*
β-Benzenehexachloride	*N/A*	Fluoranthene	33.61
Heptachlor	*0.58*	Pyrene	**14.46**
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*19.28*
Dacthal	*10.55*	Chrysene	*383.73*
Chlorpyrifos	*3.48*	Benzo[b]fluoranthene	*21.69*
Oxychlordane	*10.46*	Benzo[k]fluoranthene	*20.42*
Heptachlor Epoxide	*22.57*	Benzo[a]pyrene	*19.83*
trans-Chlordane	**8.93**	Indeno[1,2,3-c,d]pyrene	*21.03*
trans-Nonachlor	6.56	Dibenz[a,h]anthracene	*30.18*
o,p'-DDE	*4.70*	Benzo[g,h,i]perylene	*83.82*
cis-Chlordane	**5.63**		
Endosulfan	**72.88**		
p,p'-DDE	**11.51**		
Dieldrin	**11.17**		
o,p'-DDD	**29.79**		
Endrin	**18.59**		
cis-Nonachlor	*11.19*		
o,p'-DDT	**25.46**		
p,p'-DDD	*7.17*		
p,p'-DDT	*15.36*		
Methoxychlor	*0.56*		
Mirex	*0.44*		
Total PCBs	*50.95*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 21, Deployment # 1, Station ID **3-CRC001.38**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*6.08*	Naphthalene	*5275.20*
Hexachlorobenzene	**5.09**	Acenaphthylene	*86.37*
Pentachloroanisole	171.36	Acenaphthene	*317.33*
α-Benzenehexachloride	**61.42**	Fluorene	*177.18*
Diazinon	**2073.88**	Phenanthrene	*709.42*
Lindane	*91.61*	Anthracene	*33.60*
β-Benzenehexachloride	*74.39*	Fluoranthene	80.12
Heptachlor	*0.21*	Pyrene	46.73
δ-Benzenehexachloride	31.02	Benz[a]anthracene	*22.13*
Dacthal	*5.11*	Chrysene	*345.46*
Chlorpyrifos	*4.15*	Benzo[b]fluoranthene	**29.29**
Oxychlordane	*14.51*	Benzo[k]fluoranthene	*19.92*
Heptachlor Epoxide	*23.19*	Benzo[a]pyrene	*18.53*
trans-Chlordane	*3.43*	Indeno[1,2,3-c,d]pyrene	*18.97*
trans-Nonachlor	*0.85*	Dibenz[a,h]anthracene	*24.14*
o,p'-DDE	*4.81*	Benzo[g,h,i]perylene	*76.17*
cis-Chlordane	*8.10*		
Endosulfan	**N/A**		
p,p'-DDE	**10.85**		
Dieldrin	*9.08*		
o,p'-DDD	*9.67*		
Endrin	*12.95*		
cis-Nonachlor	*11.98*		
o,p'-DDT	*6.02*		
p,p'-DDD	*6.71*		
p,p'-DDT	*10.08*		
Methoxychlor	*0.98*		
Mirex	*0.48*		
Total PCBs	*58.48*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 22, Deployment # 1, Station ID **2-APP061.07**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**33.42**	Naphthalene	*4944.54*
Hexachlorobenzene	**21.45**	Acenaphthylene	*64.89*
Pentachloroanisole	185.26	Acenaphthene	*249.88*
α-Benzenehexachloride	*45.19*	Fluorene	*399.02*
Diazinon	**569.95**	Phenanthrene	**585.64**
Lindane	*76.46*	Anthracene	*25.25*
β-Benzenehexachloride	*68.52*	Fluoranthene	712.56
Heptachlor	*0.87*	Pyrene	455.25
δ-Benzenehexachloride	*2.41*	Benz[a]anthracene	*40.47*
Dacthal	*3.73*	Chrysene	*631.64*
Chlorpyrifos	23.55	Benzo[b]fluoranthene	**107.12**
Oxychlordane	*26.53*	Benzo[k]fluoranthene	*36.42*
Heptachlor Epoxide	*17.66*	Benzo[a]pyrene	*33.88*
trans-Chlordane	32.08	Indeno[1,2,3-c,d]pyrene	*34.69*
trans-Nonachlor	26.92	Dibenz[a,h]anthracene	*44.15*
o,p'-DDE	*8.80*	Benzo[g,h,i]perylene	*139.27*
cis-Chlordane	**35.16**		
Endosulfan	**N/A**		
p,p'-DDE	**28.82**		
Dieldrin	**17.93**		
o,p'-DDD	93.15		
Endrin	*10.05*		
cis-Nonachlor	*21.91*		
o,p'-DDT	**37.42**		
p,p'-DDD	**37.30**		
p,p'-DDT	**21.94**		
Methoxychlor	15.38		
Mirex	*0.87*		
Total PCBs	*106.92*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 23, Deployment # 1, Station ID **1-BNF5048.74**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*5.18*	Naphthalene	*5275.20*
Hexachlorobenzene	**12.10**	Acenaphthylene	*90.96*
Pentachloroanisole	20.95	Acenaphthene	*329.91*
α-Benzenehexachloride	*56.40*	Fluorene	*191.90*
Diazinon	*403.27*	Phenanthrene	**902.89**
Lindane	*91.61*	Anthracene	*35.38*
β-Benzenehexachloride	*74.39*	Fluoranthene	124.76
Heptachlor	**0.37**	Pyrene	81.80
δ-Benzenehexachloride	40.97	Benz[a]anthracene	*18.84*
Dacthal	*5.43*	Chrysene	*294.03*
Chlorpyrifos	**5.25**	Benzo[b]fluoranthene	*19.95*
Oxychlordane	*12.35*	Benzo[k]fluoranthene	*16.95*
Heptachlor Epoxide	*24.33*	Benzo[a]pyrene	*15.77*
trans-Chlordane	**13.16**	Indeno[1,2,3-c,d]pyrene	*16.15*
trans-Nonachlor	8.23	Dibenz[a,h]anthracene	*20.55*
o,p'-DDE	*4.09*	Benzo[g,h,i]perylene	*64.83*
cis-Chlordane	**15.15**		
Endosulfan	*N/A*		
p,p'-DDE	28.95		
Dieldrin	**24.30**		
o,p'-DDD	45.08		
Endrin	**14.91**		
cis-Nonachlor	*10.20*		
o,p'-DDT	**10.91**		
p,p'-DDD	**11.74**		
p,p'-DDT	**15.40**		
Methoxychlor	*1.05*		
Mirex	*0.41*		
Total PCBs	*49.77*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 24, Deployment # 1, Station ID **8-MPN046.13**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**5.33**	Naphthalene	*5275.20*
Hexachlorobenzene	**10.65**	Acenaphthylene	*96.35*
Pentachloroanisole	50.72	Acenaphthene	*356.65*
α-Benzenehexachloride	*56.40*	Fluorene	*212.06*
Diazinon	*403.27*	Phenanthrene	*820.56*
Lindane	*91.61*	Anthracene	**46.85**
β-Benzenehexachloride	*74.39*	Fluoranthene	**20.57**
Heptachlor	**0.30**	Pyrene	*15.80*
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	*14.82*
Dacthal	*5.83*	Chrysene	*231.34*
Chlorpyrifos	*4.91*	Benzo[b]fluoranthene	*15.69*
Oxychlordane	*9.72*	Benzo[k]fluoranthene	*13.34*
Heptachlor Epoxide	*27.18*	Benzo[a]pyrene	*12.41*
trans-Chlordane	**5.60**	Indeno[1,2,3-c,d]pyrene	*12.70*
trans-Nonachlor	**3.17**	Dibenz[a,h]anthracene	*16.17*
o,p'-DDE	*3.22*	Benzo[g,h,i]perylene	*51.01*
cis-Chlordane	**7.78**		
Endosulfan	**N/A**		
p,p'-DDE	**4.92**		
Dieldrin	**21.22**		
o,p'-DDD	**12.93**		
Endrin	*14.81*		
cis-Nonachlor	*8.03*		
o,p'-DDT	**6.96**		
p,p'-DDD	**4.78**		
p,p'-DDT	*3.38*		
Methoxychlor	*1.05*		
Mirex	*0.32*		
Total PCBs	*39.16*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 25, Deployment # 1, Station ID **2-BLB002.04**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	**41.96**	Naphthalene	*5275.20*
Hexachlorobenzene	*4.63*	Acenaphthylene	*86.37*
Pentachloroanisole	64.43	Acenaphthene	**340.75**
α-Benzenehexachloride	*56.40*	Fluorene	**190.25**
Diazinon	*403.27*	Phenanthrene	**1269.11**
Lindane	*91.61*	Anthracene	*33.60*
β-Benzenehexachloride	*74.39*	Fluoranthene	272.42
Heptachlor	*0.21*	Pyrene	133.50
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	**27.67**
Dacthal	*5.11*	Chrysene	*345.46*
Chlorpyrifos	*4.15*	Benzo[b]fluoranthene	**87.88**
Oxychlordane	*14.51*	Benzo[k]fluoranthene	**24.90**
Heptachlor Epoxide	*23.19*	Benzo[a]pyrene	*18.53*
trans-Chlordane	**9.29**	Indeno[1,2,3-c,d]pyrene	*18.97*
trans-Nonachlor	*0.85*	Dibenz[a,h]anthracene	*24.14*
o,p'-DDE	*4.81*	Benzo[g,h,i]perylene	*76.17*
cis-Chlordane	*8.10*		
Endosulfan	*N/A*		
p,p'-DDE	19.99		
Dieldrin	**19.14**		
o,p'-DDD	**12.89**		
Endrin	*12.95*		
cis-Nonachlor	*11.98*		
o,p'-DDT	**10.44**		
p,p'-DDD	**8.84**		
p,p'-DDT	10.06		
Methoxychlor	*0.98*		
Mirex	8.31		
Total PCBs	*58.48*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 28, Deployment # 1, Station ID **3-JOA002.68**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**8.76**	Naphthalene	*5275.20*
Hexachlorobenzene	**13.00**	Acenaphthylene	*94.52*
Pentachloroanisole	54.54	Acenaphthene	**382.97**
α-Benzenehexachloride	*56.40*	Fluorene	**329.79**
Diazinon	**750.85**	Phenanthrene	**1591.32**
Lindane	*91.61*	Anthracene	**91.92**
β-Benzenehexachloride	*74.39*	Fluoranthene	322.19
Heptachlor	**1.47**	Pyrene	187.71
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	**20.29**
Dacthal	*5.69*	Chrysene	*253.34*
Chlorpyrifos	*4.75*	Benzo[b]fluoranthene	**64.44**
Oxychlordane	*10.64*	Benzo[k]fluoranthene	**36.52**
Heptachlor Epoxide	**55.08**	Benzo[a]pyrene	*13.59*
trans-Chlordane	25.35	Indeno[1,2,3-c,d]pyrene	*13.91*
trans-Nonachlor	23.74	Dibenz[a,h]anthracene	*17.71*
o,p'-DDE	*3.53*	Benzo[g,h,i]perylene	*55.86*
cis-Chlordane	37.18		
Endosulfan	**N/A**		
p,p'-DDE	**10.89**		
Dieldrin	47.01		
o,p'-DDD	**11.22**		
Endrin	*14.81*		
cis-Nonachlor	*8.79*		
o,p'-DDT	**9.10**		
p,p'-DDD	*4.92*		
p,p'-DDT	**5.76**		
Methoxychlor	*1.05*		
Mirex	*0.35*		
Total PCBs	*42.88*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 29, Deployment # 1, Station ID **1-ACAA000.83**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	**18.40**	Naphthalene	*5275.20*
Hexachlorobenzene	**6.56**	Acenaphthylene	*76.91*
Pentachloroanisole	75.76	Acenaphthene	**310.41**
α-Benzenehexachloride	*50.32*	Fluorene	**242.68**
Diazinon	**1989.19**	Phenanthrene	**1463.13**
Lindane	*83.95*	Anthracene	**74.80**
β-Benzenehexachloride	*74.39*	Fluoranthene	459.19
Heptachlor	*0.63*	Pyrene	355.43
δ-Benzenehexachloride	*2.63*	Benz[a]anthracene	*29.34*
Dacthal	*4.49*	Chrysene	*457.92*
Chlorpyrifos	**5.78**	Benzo[b]fluoranthene	*31.06*
Oxychlordane	*19.24*	Benzo[k]fluoranthene	*26.40*
Heptachlor Epoxide	*20.79*	Benzo[a]pyrene	*24.56*
trans-Chlordane	**15.00**	Indeno[1,2,3-c,d]pyrene	*25.15*
trans-Nonachlor	9.95	Dibenz[a,h]anthracene	*32.00*
o,p'-DDE	*6.38*	Benzo[g,h,i]perylene	*100.96*
cis-Chlordane	**15.07**		
Endosulfan	**N/A**		
p,p'-DDE	*6.56*		
Dieldrin	**9.00**		
o,p'-DDD	**22.76**		
Endrin	*11.71*		
cis-Nonachlor	*15.89*		
o,p'-DDT	**34.68**		
p,p'-DDD	**15.54**		
p,p'-DDT	**25.80**		
Methoxychlor	*0.92*		
Mirex	*0.63*		
Total PCBs	*77.52*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 31, Deployment # 1, Station ID **8-MTA012.09**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*11.49*	Naphthalene	*4913.90*
Hexachlorobenzene	**21.69**	Acenaphthylene	*63.66*
Pentachloroanisole	227.74	Acenaphthene	*245.67*
α-Benzenehexachloride	*44.59*	Fluorene	*412.21*
Diazinon	*403.27*	Phenanthrene	*535.82*
Lindane	*75.56*	Anthracene	*24.77*
β-Benzenehexachloride	*68.02*	Fluoranthene	286.27
Heptachlor	*0.90*	Pyrene	**180.88**
δ-Benzenehexachloride	*2.38*	Benz[a]anthracene	*41.80*
Dacthal	*3.65*	Chrysene	*652.52*
Chlorpyrifos	*8.57*	Benzo[b]fluoranthene	*44.26*
Oxychlordane	*27.41*	Benzo[k]fluoranthene	*37.62*
Heptachlor Epoxide	*17.34*	Benzo[a]pyrene	*35.00*
trans-Chlordane	**10.01**	Indeno[1,2,3-c,d]pyrene	*35.83*
trans-Nonachlor	**6.38**	Dibenz[a,h]anthracene	*45.60*
o,p'-DDE	*9.09*	Benzo[g,h,i]perylene	*143.87*
cis-Chlordane	*15.30*		
Endosulfan	*N/A*		
p,p'-DDE	*9.35*		
Dieldrin	*6.68*		
o,p'-DDD	*18.27*		
Endrin	*9.87*		
cis-Nonachlor	*22.64*		
o,p'-DDT	*11.37*		
p,p'-DDD	*12.68*		
p,p'-DDT	*19.03*		
Methoxychlor	*0.80*		
Mirex	*0.90*		
Total PCBs	*110.46*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 32, Deployment # 1, Station ID **5-ASAP004.00**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*6.68*	Naphthalene	*5275.20*
Hexachlorobenzene	**18.72**	Acenaphthylene	*83.40*
Pentachloroanisole	198.46	Acenaphthene	*308.76*
α-Benzenehexachloride	*52.57*	Fluorene	*168.39*
Diazinon	*403.27*	Phenanthrene	*687.66*
Lindane	*91.61*	Anthracene	*32.44*
β-Benzenehexachloride	*74.39*	Fluoranthene	118.89
Heptachlor	*0.20*	Pyrene	126.21
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	*24.31*
Dacthal	*4.91*	Chrysene	*379.40*
Chlorpyrifos	**10.80**	Benzo[b]fluoranthene	*25.74*
Oxychlordane	*15.94*	Benzo[k]fluoranthene	*21.88*
Heptachlor Epoxide	*22.44*	Benzo[a]pyrene	*20.35*
trans-Chlordane	**11.04**	Indeno[1,2,3-c,d]pyrene	*20.83*
trans-Nonachlor	11.64	Dibenz[a,h]anthracene	*26.52*
o,p'-DDE	*5.28*	Benzo[g,h,i]perylene	*83.65*
cis-Chlordane	**13.83**		
Endosulfan	**N/A**		
p,p'-DDE	**7.03**		
Dieldrin	**22.61**		
o,p'-DDD	*10.62*		
Endrin	*12.57*		
cis-Nonachlor	*13.16*		
o,p'-DDT	*6.61*		
p,p'-DDD	**10.64**		
p,p'-DDT	*11.07*		
Methoxychlor	*0.97*		
Mirex	*0.53*		
Total PCBs	*64.22*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 33, Deployment # 1, Station ID **5-BPCT002.16**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*6.79*	Naphthalene	*5275.20*
Hexachlorobenzene	28.31	Acenaphthylene	*82.84*
Pentachloroanisole	30.56	Acenaphthene	1401.54
α-Benzenehexachloride	*52.39*	Fluorene	**447.74**
Diazinon	*403.27*	Phenanthrene	**1173.85**
Lindane	*91.61*	Anthracene	*32.23*
β-Benzenehexachloride	*74.39*	Fluoranthene	604.65
Heptachlor	*0.19*	Pyrene	470.69
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	*24.72*
Dacthal	**9.03**	Chrysene	*385.91*
Chlorpyrifos	**15.33**	Benzo[b]fluoranthene	*26.18*
Oxychlordane	*16.21*	Benzo[k]fluoranthene	*22.25*
Heptachlor Epoxide	*22.30*	Benzo[a]pyrene	*20.70*
trans-Chlordane	**14.86**	Indeno[1,2,3-c,d]pyrene	*21.19*
trans-Nonachlor	8.34	Dibenz[a,h]anthracene	*26.97*
o,p'-DDE	*5.37*	Benzo[g,h,i]perylene	*85.09*
cis-Chlordane	**27.14**		
Endosulfan	**N/A**		
p,p'-DDE	130.67		
Dieldrin	185.83		
o,p'-DDD	**43.29**		
Endrin	57.76		
cis-Nonachlor	*13.39*		
o,p'-DDT	**20.34**		
p,p'-DDD	226.86		
p,p'-DDT	56.68		
Methoxychlor	*0.96*		
Mirex	*0.53*		
Total PCBs	*65.33*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 34, Deployment # 1, Station ID **5-ABLC000.88**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*5.87*	Naphthalene	*5275.20*
Hexachlorobenzene	*4.47*	Acenaphthylene	*87.45*
Pentachloroanisole	29.89	Acenaphthene	*320.38*
α-Benzenehexachloride	*56.40*	Fluorene	*180.51*
Diazinon	*403.27*	Phenanthrene	*717.25*
Lindane	*91.61*	Anthracene	*34.02*
β-Benzenehexachloride	*74.39*	Fluoranthene	**8.21**
Heptachlor	*0.21*	Pyrene	**6.84**
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	*21.35*
Dacthal	*5.19*	Chrysene	*333.28*
Chlorpyrifos	*4.22*	Benzo[b]fluoranthene	*22.61*
Oxychlordane	*14.00*	Benzo[k]fluoranthene	*19.22*
Heptachlor Epoxide	*23.46*	Benzo[a]pyrene	*17.88*
trans-Chlordane	**4.88**	Indeno[1,2,3-c,d]pyrene	*18.30*
trans-Nonachlor	*0.82*	Dibenz[a,h]anthracene	*23.29*
o,p'-DDE	*4.64*	Benzo[g,h,i]perylene	*73.48*
cis-Chlordane	*7.82*		
Endosulfan	*N/A*		
p,p'-DDE	*4.77*		
Dieldrin	*9.19*		
o,p'-DDD	*9.33*		
Endrin	*13.09*		
cis-Nonachlor	*11.56*		
o,p'-DDT	*5.81*		
p,p'-DDD	*6.48*		
p,p'-DDT	*9.72*		
Methoxychlor	11.88		
Mirex	*0.46*		
Total PCBs	*56.42*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 35, Deployment # 1, Station ID **5-ANTW097.27**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*5.94*	Naphthalene	*5275.20*
Hexachlorobenzene	*4.53*	Acenaphthylene	*87.06*
Pentachloroanisole	23.65	Acenaphthene	*319.29*
α-Benzenehexachloride	*56.40*	Fluorene	*179.30*
Diazinon	*403.27*	Phenanthrene	*714.43*
Lindane	*91.61*	Anthracene	*33.87*
β-Benzenehexachloride	*74.39*	Fluoranthene	93.58
Heptachlor	*0.21*	Pyrene	54.25
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	*21.63*
Dacthal	*5.16*	Chrysene	*337.66*
Chlorpyrifos	**8.45**	Benzo[b]fluoranthene	*22.90*
Oxychlordane	*14.18*	Benzo[k]fluoranthene	*19.47*
Heptachlor Epoxide	*23.36*	Benzo[a]pyrene	*18.11*
trans-Chlordane	*3.35*	Indeno[1,2,3-c,d]pyrene	*18.54*
trans-Nonachlor	**1.01**	Dibenz[a,h]anthracene	*23.60*
o,p'-DDE	*4.70*	Benzo[g,h,i]perylene	*74.45*
cis-Chlordane	*7.92*		
Endosulfan	*N/A*		
p,p'-DDE	*4.84*		
Dieldrin	*9.15*		
o,p'-DDD	*9.45*		
Endrin	*13.04*		
cis-Nonachlor	*11.71*		
o,p'-DDT	*5.89*		
p,p'-DDD	*6.56*		
p,p'-DDT	*9.85*		
Methoxychlor	*1.05*		
Mirex	*0.47*		
Total PCBs	*57.16*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 36, Deployment # 1, Station ID **9-NBS006.58**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*4.30*	Naphthalene	*N/A*
Hexachlorobenzene	**5.29**	Acenaphthylene	*103.27*
Pentachloroanisole	7.17	Acenaphthene	1292.51
α-Benzenehexachloride	*52.55*	Fluorene	861.06
Diazinon	*403.27*	Phenanthrene	5666.23
Lindane	*91.61*	Anthracene	**44.27**
β-Benzenehexachloride	*N/A*	Fluoranthene	2137.67
Heptachlor	*0.21*	Pyrene	1183.16
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	195.60
Dacthal	*3.39*	Chrysene	*311.41*
Chlorpyrifos	*3.92*	Benzo[b]fluoranthene	**44.01**
Oxychlordane	*8.49*	Benzo[k]fluoranthene	**20.71**
Heptachlor Epoxide	*24.13*	Benzo[a]pyrene	*16.09*
trans-Chlordane	**2.83**	Indeno[1,2,3-c,d]pyrene	*17.07*
trans-Nonachlor	**0.91**	Dibenz[a,h]anthracene	*24.49*
o,p'-DDE	*3.81*	Benzo[g,h,i]perylene	*68.02*
cis-Chlordane	*4.22*		
Endosulfan	*28.02*		
p,p'-DDE	*4.39*		
Dieldrin	*7.41*		
o,p'-DDD	*6.84*		
Endrin	*12.50*		
cis-Nonachlor	*9.08*		
o,p'-DDT	*8.32*		
p,p'-DDD	*5.82*		
p,p'-DDT	*12.47*		
Methoxychlor	*0.64*		
Mirex	*0.36*		
Total PCBs	*41.35*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 37, Deployment # 1, Station ID **5-AMHN097.83**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*24.53*	Naphthalene	*3772.13*
Hexachlorobenzene	*18.68*	Acenaphthylene	*229.55*
Pentachloroanisole	170.36	Acenaphthene	*650.62*
α-Benzenehexachloride	*29.29*	Fluorene	*880.26*
Diazinon	*360.58*	Phenanthrene	*1651.14*
Lindane	*51.08*	Anthracene	*89.27*
β-Benzenehexachloride	*50.86*	Fluoranthene	**218.32**
Heptachlor	*1.93*	Pyrene	**193.13**
δ-Benzenehexachloride	*1.63*	Benz[a]anthracene	*89.27*
Dacthal	*16.29*	Chrysene	*1393.42*
Chlorpyrifos	**46.23**	Benzo[b]fluoranthene	*94.52*
Oxychlordane	*58.53*	Benzo[k]fluoranthene	*80.34*
Heptachlor Epoxide	*56.98*	Benzo[a]pyrene	*74.74*
trans-Chlordane	**23.46**	Indeno[1,2,3-c,d]pyrene	*76.52*
trans-Nonachlor	**12.48**	Dibenz[a,h]anthracene	*97.39*
o,p'-DDE	*19.40*	Benzo[g,h,i]perylene	*307.23*
cis-Chlordane	*32.68*		
Endosulfan	*N/A*		
p,p'-DDE	*19.96*		
Dieldrin	*24.44*		
o,p'-DDD	*39.00*		
Endrin	**35.70**		
cis-Nonachlor	*48.34*		
o,p'-DDT	*24.29*		
p,p'-DDD	*27.07*		
p,p'-DDT	*40.65*		
Methoxychlor	*1.56*		
Mirex	*1.93*		
Total PCBs	*235.88*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 38, Deployment # 1, Station ID **2-NWD004.15**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*4.38*	Naphthalene	*5275.20*
Hexachlorobenzene	**3.86**	Acenaphthylene	*94.92*
Pentachloroanisole	50.47	Acenaphthene	**382.97**
α-Benzenehexachloride	*56.40*	Fluorene	**221.52**
Diazinon	*403.27*	Phenanthrene	2759.72
Lindane	*91.61*	Anthracene	**92.31**
β-Benzenehexachloride	*74.39*	Fluoranthene	760.09
Heptachlor	*0.25*	Pyrene	470.43
δ-Benzenehexachloride	*2.84*	Benz[a]anthracene	79.64
Dacthal	*5.72*	Chrysene	*248.62*
Chlorpyrifos	*4.78*	Benzo[b]fluoranthene	**21.08**
Oxychlordane	*10.44*	Benzo[k]fluoranthene	*14.34*
Heptachlor Epoxide	*25.29*	Benzo[a]pyrene	*13.34*
trans-Chlordane	**5.71**	Indeno[1,2,3-c,d]pyrene	*13.65*
trans-Nonachlor	*0.61*	Dibenz[a,h]anthracene	*17.38*
o,p'-DDE	*3.46*	Benzo[g,h,i]perylene	*54.82*
cis-Chlordane	*5.83*		
Endosulfan	*N/A*		
p,p'-DDE	*3.56*		
Dieldrin	**11.88**		
o,p'-DDD	**4.82**		
Endrin	*14.81*		
cis-Nonachlor	*8.63*		
o,p'-DDT	*4.33*		
p,p'-DDD	*4.83*		
p,p'-DDT	*3.22*		
Methoxychlor	*1.05*		
Mirex	*0.34*		
Total PCBs	*42.09*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 40, Deployment # 1, Station ID **9-PLM000.35**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*4.68*	Naphthalene	*N/A*
Hexachlorobenzene	*4.93*	Acenaphthylene	*103.27*
Pentachloroanisole	33.34	Acenaphthene	**478.71**
α-Benzenehexachloride	*51.62*	Fluorene	**321.04**
Diazinon	*403.27*	Phenanthrene	**1644.09**
Lindane	*85.58*	Anthracene	**86.29**
β-Benzenehexachloride	*N/A*	Fluoranthene	364.11
Heptachlor	*0.20*	Pyrene	211.47
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*17.03*
Dacthal	*9.32*	Chrysene	*338.86*
Chlorpyrifos	*3.74*	Benzo[b]fluoranthene	**47.89**
Oxychlordane	*9.24*	Benzo[k]fluoranthene	**45.07**
Heptachlor Epoxide	**30.99**	Benzo[a]pyrene	*17.51*
trans-Chlordane	21.32	Indeno[1,2,3-c,d]pyrene	*18.57*
trans-Nonachlor	14.56	Dibenz[a,h]anthracene	*26.65*
o,p'-DDE	*4.15*	Benzo[g,h,i]perylene	*74.02*
cis-Chlordane	24.50		
Endosulfan	*28.02*		
p,p'-DDE	*4.78*		
Dieldrin	**24.34**		
o,p'-DDD	*7.44*		
Endrin	*12.12*		
cis-Nonachlor	*9.88*		
o,p'-DDT	*9.05*		
p,p'-DDD	*6.33*		
p,p'-DDT	*13.57*		
Methoxychlor	*0.61*		
Mirex	*0.39*		
Total PCBs	*44.99*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 41, Deployment # 1, Station ID **5-AFON024.32**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*10.40*	Naphthalene	*5275.20*
Hexachlorobenzene	**8.22**	Acenaphthylene	*67.43*
Pentachloroanisole	162.51	Acenaphthene	*258.42*
α-Benzenehexachloride	*46.37*	Fluorene	*373.20*
Diazinon	*403.27*	Phenanthrene	*565.64*
Lindane	*78.23*	Anthracene	*26.23*
β-Benzenehexachloride	*69.46*	Fluoranthene	222.15
Heptachlor	*0.82*	Pyrene	**131.01**
δ-Benzenehexachloride	*2.46*	Benz[a]anthracene	*37.85*
Dacthal	*3.89*	Chrysene	*590.77*
Chlorpyrifos	*3.02*	Benzo[b]fluoranthene	*40.07*
Oxychlordane	*24.82*	Benzo[k]fluoranthene	*34.06*
Heptachlor Epoxide	*18.33*	Benzo[a]pyrene	*31.69*
trans-Chlordane	**7.13**	Indeno[1,2,3-c,d]pyrene	*32.44*
trans-Nonachlor	**3.71**	Dibenz[a,h]anthracene	*41.29*
o,p'-DDE	*8.23*	Benzo[g,h,i]perylene	*130.26*
cis-Chlordane	*13.86*		
Endosulfan	*N/A*		
p,p'-DDE	34.34		
Dieldrin	**14.98**		
o,p'-DDD	*16.54*		
Endrin	*10.41*		
cis-Nonachlor	*20.50*		
o,p'-DDT	*10.30*		
p,p'-DDD	**24.16**		
p,p'-DDT	**25.54**		
Methoxychlor	*0.84*		
Mirex	*0.82*		
Total PCBs	*100.01*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 42, Deployment # 1, Station ID **2-CAT026.55**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*13.67*	Naphthalene	*N/A*
Hexachlorobenzene	**30.80**	Acenaphthylene	*75.76*
Pentachloroanisole	152.32	Acenaphthene	*243.92*
α-Benzenehexachloride	*32.17*	Fluorene	*154.42*
Diazinon	**1237.31**	Phenanthrene	*524.76*
Lindane	*55.52*	Anthracene	*59.69*
β-Benzenehexachloride	*N/A*	Fluoranthene	312.34
Heptachlor	*1.49*	Pyrene	**87.78**
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*49.74*
Dacthal	*27.23*	Chrysene	*989.96*
Chlorpyrifos	*16.13*	Benzo[b]fluoranthene	*55.96*
Oxychlordane	*26.99*	Benzo[k]fluoranthene	*52.67*
Heptachlor Epoxide	*39.41*	Benzo[a]pyrene	*51.16*
trans-Chlordane	**18.53**	Indeno[1,2,3-c,d]pyrene	*54.27*
trans-Nonachlor	**11.07**	Dibenz[a,h]anthracene	*77.86*
o,p'-DDE	*12.12*	Benzo[g,h,i]perylene	*216.24*
cis-Chlordane	**26.15**		
Endosulfan	**60.38**		
p,p'-DDE	*13.95*		
Dieldrin	**40.59**		
o,p'-DDD	*21.73*		
Endrin	*25.30*		
cis-Nonachlor	*28.86*		
o,p'-DDT	*26.45*		
p,p'-DDD	*18.49*		
p,p'-DDT	*39.64*		
Methoxychlor	*3.58*		
Mirex	*1.14*		
Total PCBs	*131.44*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 43, Deployment # 1, Station ID **3-MTN003.31**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	**10.31**	Naphthalene	*5275.20*
Hexachlorobenzene	**24.91**	Acenaphthylene	*79.12*
Pentachloroanisole	246.64	Acenaphthene	*295.93*
α-Benzenehexachloride	*51.13*	Fluorene	**168.07**
Diazinon	*403.27*	Phenanthrene	2205.37
Lindane	**104.67**	Anthracene	**76.95**
β-Benzenehexachloride	*74.39*	Fluoranthene	4368.62
Heptachlor	*0.60*	Pyrene	2886.49
δ-Benzenehexachloride	*2.66*	Benz[a]anthracene	344.58
Dacthal	**9.96**	Chrysene	1386.41
Chlorpyrifos	**8.12**	Benzo[b]fluoranthene	693.21
Oxychlordane	*18.07*	Benzo[k]fluoranthene	217.08
Heptachlor Epoxide	**66.77**	Benzo[a]pyrene	**57.70**
trans-Chlordane	63.34	Indeno[1,2,3-c,d]pyrene	**59.07**
trans-Nonachlor	55.47	Dibenz[a,h]anthracene	*30.07*
o,p'-DDE	*5.99*	Benzo[g,h,i]perylene	**206.75**
cis-Chlordane	94.01		
Endosulfan	**N/A**		
p,p'-DDE	20.44		
Dieldrin	198.81		
o,p'-DDD	*12.04*		
Endrin	*12.01*		
cis-Nonachlor	*14.93*		
o,p'-DDT	*7.50*		
p,p'-DDD	**17.30**		
p,p'-DDT	**14.48**		
Methoxychlor	**4.13**		
Mirex	*0.60*		
Total PCBs	2112.34		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 44, Deployment # 1, Station ID **9-DDD006.61**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*18.83*	Naphthalene	*N/A*
Hexachlorobenzene	**20.85**	Acenaphthylene	*63.74*
Pentachloroanisole	151.24	Acenaphthene	*202.08*
α-Benzenehexachloride	*91.68*	Fluorene	*382.89*
Diazinon	**669.55**	Phenanthrene	*429.32*
Lindane	*135.13*	Anthracene	*82.23*
β-Benzenehexachloride	*N/A*	Fluoranthene	573.69
Heptachlor	*2.06*	Pyrene	362.77
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*68.52*
Dacthal	*37.50*	Chrysene	*1363.72*
Chlorpyrifos	*22.22*	Benzo[b]fluoranthene	*77.09*
Oxychlordane	*37.18*	Benzo[k]fluoranthene	*72.55*
Heptachlor Epoxide	*54.30*	Benzo[a]pyrene	*70.48*
trans-Chlordane	**26.94**	Indeno[1,2,3-c,d]pyrene	*74.75*
trans-Nonachlor	**13.70**	Dibenz[a,h]anthracene	*107.25*
o,p'-DDE	*16.70*	Benzo[g,h,i]perylene	*297.89*
cis-Chlordane	**26.05**		
Endosulfan	*16.65*		
p,p'-DDE	*19.22*		
Dieldrin	**66.02**		
o,p'-DDD	*29.94*		
Endrin	*34.85*		
cis-Nonachlor	*39.76*		
o,p'-DDT	*36.44*		
p,p'-DDD	*25.47*		
p,p'-DDT	*54.60*		
Methoxychlor	*4.93*		
Mirex	*1.57*		
Total PCBs	*181.06*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 45, Deployment # 1, Station ID **4-ABWA008.53**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*21.46*	Naphthalene	*4019.13*
Hexachlorobenzene	**40.30**	Acenaphthylene	*200.83*
Pentachloroanisole	354.43	Acenaphthene	*569.23*
α-Benzenehexachloride	*31.98*	Fluorene	*770.13*
Diazinon	**1492.60**	Phenanthrene	**2791.01**
Lindane	*55.55*	Anthracene	*78.10*
β-Benzenehexachloride	*54.43*	Fluoranthene	5883.15
Heptachlor	*1.69*	Pyrene	2771.13
δ-Benzenehexachloride	*1.77*	Benz[a]anthracene	*78.10*
Dacthal	**55.65**	Chrysene	**1378.28**
Chlorpyrifos	**23.41**	Benzo[b]fluoranthene	413.48
Oxychlordane	*51.21*	Benzo[k]fluoranthene	**175.73**
Heptachlor Epoxide	**102.35**	Benzo[a]pyrene	*65.39*
trans-Chlordane	89.32	Indeno[1,2,3-c,d]pyrene	*66.94*
trans-Nonachlor	77.57	Dibenz[a,h]anthracene	*85.20*
o,p'-DDE	*16.97*	Benzo[g,h,i]perylene	*268.79*
cis-Chlordane	173.60		
Endosulfan	**N/A**		
p,p'-DDE	*17.46*		
Dieldrin	236.66		
o,p'-DDD	*34.12*		
Endrin	*25.13*		
cis-Nonachlor	*42.29*		
o,p'-DDT	*21.25*		
p,p'-DDD	*23.69*		
p,p'-DDT	*35.56*		
Methoxychlor	*0.57*		
Mirex	*1.69*		
Total PCBs	*206.37*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 46, Deployment # 1, Station ID **4-AMCG000.56**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*9.22*	Naphthalene	*5275.20*
Hexachlorobenzene	*7.02*	Acenaphthylene	*71.96*
Pentachloroanisole	96.01	Acenaphthene	*273.31*
α-Benzenehexachloride	*48.36*	Fluorene	*138.17*
Diazinon	**1860.14**	Phenanthrene	*600.94*
Lindane	*81.14*	Anthracene	*27.99*
β-Benzenehexachloride	*74.39*	Fluoranthene	197.03
Heptachlor	*0.73*	Pyrene	**116.20**
δ-Benzenehexachloride	*2.55*	Benz[a]anthracene	*33.57*
Dacthal	*4.17*	Chrysene	*523.97*
Chlorpyrifos	*3.27*	Benzo[b]fluoranthene	*35.54*
Oxychlordane	*22.01*	Benzo[k]fluoranthene	*30.21*
Heptachlor Epoxide	*19.51*	Benzo[a]pyrene	*28.10*
trans-Chlordane	**12.76**	Indeno[1,2,3-c,d]pyrene	*28.77*
trans-Nonachlor	**3.99**	Dibenz[a,h]anthracene	*36.62*
o,p'-DDE	*7.30*	Benzo[g,h,i]perylene	*115.53*
cis-Chlordane	**12.35**		
Endosulfan	*N/A*		
p,p'-DDE	*7.51*		
Dieldrin	*7.55*		
o,p'-DDD	*14.67*		
Endrin	*11.04*		
cis-Nonachlor	*18.18*		
o,p'-DDT	*9.13*		
p,p'-DDD	*10.18*		
p,p'-DDT	*15.28*		
Methoxychlor	*0.88*		
Mirex	*0.73*		
Total PCBs	*88.70*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 48, Deployment # 1, Station ID **4-ABOR033.22**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*14.17*	Naphthalene	*4674.83*
Hexachlorobenzene	**29.91**	Acenaphthylene	*55.77*
Pentachloroanisole	188.97	Acenaphthene	*218.21*
α-Benzenehexachloride	*40.52*	Fluorene	*508.54*
Diazinon	**1292.36**	Phenanthrene	*472.61*
Lindane	*69.28*	Anthracene	*21.70*
β-Benzenehexachloride	*64.25*	Fluoranthene	454.07
Heptachlor	*1.11*	Pyrene	267.78
δ-Benzenehexachloride	*2.19*	Benz[a]anthracene	*51.57*
Dacthal	*9.41*	Chrysene	*805.00*
Chlorpyrifos	**15.70**	Benzo[b]fluoranthene	*54.61*
Oxychlordane	*33.81*	Benzo[k]fluoranthene	*46.42*
Heptachlor Epoxide	*15.25*	Benzo[a]pyrene	*43.18*
trans-Chlordane	39.21	Indeno[1,2,3-c,d]pyrene	*44.21*
trans-Nonachlor	25.02	Dibenz[a,h]anthracene	*56.26*
o,p'-DDE	*11.21*	Benzo[g,h,i]perylene	*177.49*
cis-Chlordane	**36.56**		
Endosulfan	*N/A*		
p,p'-DDE	90.10		
Dieldrin	**6.51**		
o,p'-DDD	**45.92**		
Endrin	**11.80**		
cis-Nonachlor	*27.93*		
o,p'-DDT	**28.87**		
p,p'-DDD	**51.86**		
p,p'-DDT	**43.02**		
Methoxychlor	27.70		
Mirex	*1.11*		
Total PCBs	*136.27*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 49, Deployment # 1, Station ID **4-AFRY006.08**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*13.21*	Naphthalene	*N/A*
Hexachlorobenzene	*13.92*	Acenaphthylene	*77.00*
Pentachloroanisole	84.23	Acenaphthene	*248.34*
α-Benzenehexachloride	*32.87*	Fluorene	*157.64*
Diazinon	*374.88*	Phenanthrene	*535.07*
Lindane	*56.67*	Anthracene	*20.11*
β-Benzenehexachloride	*N/A*	Fluoranthene	**150.92**
Heptachlor	*1.44*	Pyrene	**127.25**
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*48.07*
Dacthal	*26.31*	Chrysene	*956.71*
Chlorpyrifos	*15.59*	Benzo[b]fluoranthene	*54.08*
Oxychlordane	*26.09*	Benzo[k]fluoranthene	*50.90*
Heptachlor Epoxide	*13.84*	Benzo[a]pyrene	*49.45*
trans-Chlordane	*6.60*	Indeno[1,2,3-c,d]pyrene	*52.44*
trans-Nonachlor	*1.44*	Dibenz[a,h]anthracene	*75.24*
o,p'-DDE	*11.71*	Benzo[g,h,i]perylene	*208.98*
cis-Chlordane	*12.97*		
Endosulfan	*20.27*		
p,p'-DDE	**26.14**		
Dieldrin	**36.29**		
o,p'-DDD	*21.00*		
Endrin	*24.45*		
cis-Nonachlor	*27.89*		
o,p'-DDT	**26.63**		
p,p'-DDD	*17.87*		
p,p'-DDT	*38.30*		
Methoxychlor	*3.46*		
Mirex	*1.10*		
Total PCBs	*127.02*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 50, Deployment # 1, Station ID **9-WLKO26.82**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*12.66*	Naphthalene	*N/A*
Hexachlorobenzene	**36.12**	Acenaphthylene	*78.52*
Pentachloroanisole	91.57	Acenaphthene	*253.82*
α-Benzenehexachloride	*33.75*	Fluorene	*161.66*
Diazinon	*377.98*	Phenanthrene	**548.88**
Lindane	*58.10*	Anthracene	*20.71*
β-Benzenehexachloride	*N/A*	Fluoranthene	819.58
Heptachlor	*1.38*	Pyrene	284.54
δ-Benzenehexachloride	N/A	Benz[a]anthracene	*46.07*
Dacthal	*25.21*	Chrysene	*916.82*
Chlorpyrifos	**45.91**	Benzo[b]fluoranthene	*51.83*
Oxychlordane	*25.00*	Benzo[k]fluoranthene	*48.78*
Heptachlor Epoxide	*14.25*	Benzo[a]pyrene	*47.38*
trans-Chlordane	**27.94**	Indeno[1,2,3-c,d]pyrene	*50.26*
trans-Nonachlor	11.86	Dibenz[a,h]anthracene	*72.11*
o,p'-DDE	*11.23*	Benzo[g,h,i]perylene	*200.27*
cis-Chlordane	**18.28**		
Endosulfan	**24.33**		
p,p'-DDE	**23.39**		
Dieldrin	**45.72**		
o,p'-DDD	**52.96**		
Endrin	**75.45**		
cis-Nonachlor	*26.73*		
o,p'-DDT	**29.95**		
p,p'-DDD	*17.13*		
p,p'-DDT	*36.71*		
Methoxychlor	128.67		
Mirex	*1.06*		
Total PCBs	*121.72*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 1, Deployment # 2, Station ID **2-RVN022.61**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	**2.72**	Naphthalene	*N/A*
Hexachlorobenzene	**8.99**	Acenaphthylene	*103.27*
Pentachloroanisole	26.81	Acenaphthene	**765.93**
α-Benzenehexachloride	*56.40*	Fluorene	**688.85**
Diazinon	**1747.07**	Phenanthrene	4697.39
Lindane	*91.61*	Anthracene	181.86
β-Benzenehexachloride	*N/A*	Fluoranthene	1087.17
Heptachlor	*0.23*	Pyrene	821.13
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	**35.40**
Dacthal	30.62	Chrysene	**525.63**
Chlorpyrifos	**6.09**	Benzo[b]fluoranthene	**59.73**
Oxychlordane	*7.68*	Benzo[k]fluoranthene	**37.48**
Heptachlor Epoxide	**93.69**	Benzo[a]pyrene	*14.56*
trans-Chlordane	48.54	Indeno[1,2,3-c,d]pyrene	*15.45*
trans-Nonachlor	29.04	Dibenz[a,h]anthracene	*22.16*
o,p'-DDE	*3.45*	Benzo[g,h,i]perylene	*61.55*
cis-Chlordane	22.53		
Endosulfan	200.97		
p,p'-DDE	19.33		
Dieldrin	254.53		
o,p'-DDD	**17.47**		
Endrin	47.79		
cis-Nonachlor	*8.21*		
o,p'-DDT	**19.86**		
p,p'-DDD	**16.88**		
p,p'-DDT	*11.28*		
Methoxychlor	*0.68*		
Mirex	*0.33*		
Total PCBs	*37.41*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 2, Deployment # 2, Station ID **2-HAK004.34**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*8.74*	Naphthalene	*N/A*
Hexachlorobenzene	**9.19**	Acenaphthylene	*90.23*
Pentachloroanisole	77.18	Acenaphthene	**319.74**
α-Benzenehexachloride	*41.35*	Fluorene	**210.25**
Diazinon	*403.27*	Phenanthrene	**702.15**
Lindane	*70.26*	Anthracene	*26.11*
β-Benzenehexachloride	*N/A*	Fluoranthene	299.59
Heptachlor	*0.95*	Pyrene	252.60
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*31.81*
Dacthal	*17.41*	Chrysene	*633.03*
Chlorpyrifos	**14.38**	Benzo[b]fluoranthene	*35.78*
Oxychlordane	*17.26*	Benzo[k]fluoranthene	*33.68*
Heptachlor Epoxide	**24.12**	Benzo[a]pyrene	*32.72*
trans-Chlordane	27.31	Indeno[1,2,3-c,d]pyrene	*34.70*
trans-Nonachlor	20.99	Dibenz[a,h]anthracene	*49.79*
o,p'-DDE	*7.75*	Benzo[g,h,i]perylene	*138.28*
cis-Chlordane	**29.46**		
Endosulfan	*24.00*		
p,p'-DDE	49.28		
Dieldrin	109.42		
o,p'-DDD	92.09		
Endrin	**20.94**		
cis-Nonachlor	*18.46*		
o,p'-DDT	**27.77**		
p,p'-DDD	**46.92**		
p,p'-DDT	*25.34*		
Methoxychlor	42.65		
Mirex	*0.73*		
Total PCBs	*84.05*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 4, Deployment # 2, Station ID **2-BLB002.04**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*4.23*	Naphthalene	*N/A*
Hexachlorobenzene	**5.83**	Acenaphthylene	*103.27*
Pentachloroanisole	18.23	Acenaphthene	*356.65*
α-Benzenehexachloride	*52.73*	Fluorene	*256.60*
Diazinon	**421.57**	Phenanthrene	*820.56*
Lindane	*91.61*	Anthracene	177.93
β-Benzenehexachloride	*N/A*	Fluoranthene	38.73
Heptachlor	*0.21*	Pyrene	**33.31**
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*15.38*
Dacthal	*3.43*	Chrysene	*306.15*
Chlorpyrifos	*3.95*	Benzo[b]fluoranthene	*17.31*
Oxychlordane	*8.35*	Benzo[k]fluoranthene	*16.29*
Heptachlor Epoxide	*24.24*	Benzo[a]pyrene	*15.82*
trans-Chlordane	**5.75**	Indeno[1,2,3-c,d]pyrene	*16.78*
trans-Nonachlor	**1.58**	Dibenz[a,h]anthracene	*24.08*
o,p'-DDE	*3.75*	Benzo[g,h,i]perylene	*66.88*
cis-Chlordane	*4.15*		
Endosulfan	*28.02*		
p,p'-DDE	**8.04**		
Dieldrin	*7.48*		
o,p'-DDD	**10.32**		
Endrin	**26.52**		
cis-Nonachlor	*8.93*		
o,p'-DDT	*8.18*		
p,p'-DDD	*5.72*		
p,p'-DDT	*12.26*		
Methoxychlor	*0.65*		
Mirex	*0.35*		
Total PCBs	*40.65*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 13, Deployment # 2, Station ID **2-BLK001.92**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*12.00*	Naphthalene	*N/A*
Hexachlorobenzene	*12.65*	Acenaphthylene	*80.39*
Pentachloroanisole	62.87	Acenaphthene	**279.84**
α-Benzenehexachloride	*34.86*	Fluorene	*166.71*
Diazinon	*403.27*	Phenanthrene	*563.91*
Lindane	*59.91*	Anthracene	*21.47*
β-Benzenehexachloride	*N/A*	Fluoranthene	319.88
Heptachlor	*1.31*	Pyrene	**192.65**
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*43.67*
Dacthal	*23.90*	Chrysene	*869.03*
Chlorpyrifos	*14.16*	Benzo[b]fluoranthene	*49.13*
Oxychlordane	*23.69*	Benzo[k]fluoranthene	*46.24*
Heptachlor Epoxide	*14.76*	Benzo[a]pyrene	*44.91*
trans-Chlordane	**6.27**	Indeno[1,2,3-c,d]pyrene	*47.64*
trans-Nonachlor	*1.31*	Dibenz[a,h]anthracene	*68.35*
o,p'-DDE	*10.64*	Benzo[g,h,i]perylene	*189.83*
cis-Chlordane	*11.78*		
Endosulfan	*21.21*		
p,p'-DDE	**17.92**		
Dieldrin	*26.57*		
o,p'-DDD	*19.08*		
Endrin	*22.21*		
cis-Nonachlor	*25.34*		
o,p'-DDT	*23.22*		
p,p'-DDD	*16.23*		
p,p'-DDT	*34.79*		
Methoxychlor	*3.14*		
Mirex	*1.00*		
Total PCBs	*115.38*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 14, Deployment # 2, Station ID **4-AHRN007.65**

OCPs & PCBs	**Water Concentration**	**PAHs**	**Water Concentration**
Trifluralin	*7.56*	Naphthalene	*N/A*
Hexachlorobenzene	**13.96**	Acenaphthylene	*93.82*
Pentachloroanisole	99.82	Acenaphthene	**335.21**
α-Benzenehexachloride	*44.15*	Fluorene	**223.37**
Diazinon	**1288.37**	Phenanthrene	**939.20**
Lindane	*74.60*	Anthracene	*28.23*
β-Benzenehexachloride	*N/A*	Fluoranthene	201.60
Heptachlor	*0.83*	Pyrene	169.97
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*27.52*
Dacthal	*15.06*	Chrysene	*547.68*
Chlorpyrifos	*8.92*	Benzo[b]fluoranthene	*30.96*
Oxychlordane	*14.93*	Benzo[k]fluoranthene	*29.14*
Heptachlor Epoxide	*19.34*	Benzo[a]pyrene	*28.31*
trans-Chlordane	**10.18**	Indeno[1,2,3-c,d]pyrene	*30.02*
trans-Nonachlor	**5.09**	Dibenz[a,h]anthracene	*43.07*
o,p'-DDE	*6.71*	Benzo[g,h,i]perylene	*119.63*
cis-Chlordane	**7.79**		
Endosulfan	**36.26**		
p,p'-DDE	**11.61**		
Dieldrin	*16.75*		
o,p'-DDD	*12.02*		
Endrin	*9.66*		
cis-Nonachlor	*15.97*		
o,p'-DDT	*14.63*		
p,p'-DDD	*10.23*		
p,p'-DDT	*21.93*		
Methoxychlor	*1.98*		
Mirex	*0.63*		
Total PCBs	*72.71*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 15, Deployment # 2, Station ID **Not Given**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*3.97*	Naphthalene	*N/A*
Hexachlorobenzene	**19.20**	Acenaphthylene	*103.27*
Pentachloroanisole	15.36	Acenaphthene	**382.97**
α-Benzenehexachloride	*56.40*	Fluorene	**344.42**
Diazinon	*403.27*	Phenanthrene	**1409.22**
Lindane	*91.61*	Anthracene	*36.19*
β-Benzenehexachloride	*N/A*	Fluoranthene	210.99
Heptachlor	*0.22*	Pyrene	129.58
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*14.44*
Dacthal	*3.57*	Chrysene	**292.43**
Chlorpyrifos	*4.09*	Benzo[b]fluoranthene	*16.25*
Oxychlordane	*7.84*	Benzo[k]fluoranthene	*15.29*
Heptachlor Epoxide	*24.64*	Benzo[a]pyrene	*14.85*
trans-Chlordane	**5.32**	Indeno[1,2,3-c,d]pyrene	*15.75*
trans-Nonachlor	**2.81**	Dibenz[a,h]anthracene	*22.60*
o,p'-DDE	*3.52*	Benzo[g,h,i]perylene	*62.78*
cis-Chlordane	**5.29**		
Endosulfan	*28.02*		
p,p'-DDE	**11.32**		
Dieldrin	**7.78**		
o,p'-DDD	*6.31*		
Endrin	**21.28**		
cis-Nonachlor	*8.38*		
o,p'-DDT	*7.68*		
p,p'-DDD	*5.37*		
p,p'-DDT	*11.51*		
Methoxychlor	*0.67*		
Mirex	*0.33*		
Total PCBs	*38.16*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VI (continued)

Estimated Water Concentrations (pg/L) Derived from SPMD Data
CERC Site # 18, Deployment # 2, Station ID **Not Given**

OCPs & PCBs	Water Concentration	PAHs	Water Concentration
Trifluralin	*15.77*	Naphthalene	*N/A*
Hexachlorobenzene	*16.63*	Acenaphthylene	*70.46*
Pentachloroanisole	85.48	Acenaphthene	*225.20*
α-Benzenehexachloride	*29.28*	Fluorene	*141.07*
Diazinon	**488.81**	Phenanthrene	*481.64*
Lindane	*50.74*	Anthracene	*68.88*
β-Benzenehexachloride	*N/A*	Fluoranthene	**60.07**
Heptachlor	*1.72*	Pyrene	**101.29**
δ-Benzenehexachloride	*N/A*	Benz[a]anthracene	*57.40*
Dacthal	*31.42*	Chrysene	*1142.31*
Chlorpyrifos	*18.61*	Benzo[b]fluoranthene	*64.57*
Oxychlordane	*31.15*	Benzo[k]fluoranthene	*60.77*
Heptachlor Epoxide	*45.48*	Benzo[a]pyrene	*59.04*
trans-Chlordane	**16.95**	Indeno[1,2,3-c,d]pyrene	*62.62*
trans-Nonachlor	**2.26**	Dibenz[a,h]anthracene	*89.84*
o,p'-DDE	*13.99*	Benzo[g,h,i]perylene	*249.52*
cis-Chlordane	*15.48*		
Endosulfan	*18.47*		
p,p'-DDE	*16.10*		
Dieldrin	*34.93*		
o,p'-DDD	*25.08*		
Endrin	*29.19*		
cis-Nonachlor	*33.30*		
o,p'-DDT	*30.52*		
p,p'-DDD	*21.34*		
p,p'-DDT	*45.73*		
Methoxychlor	*4.13*		
Mirex	*1.32*		
Total PCBs	*151.66*		

NOTE: All pg/L water concentration estimates are reported without censoring for significant figures (two significant figures are justified). The "NA" values indicate that no uptake rate constant was available for that analyte. All bolded values represent water concentrations based on SPMD concentration that were >MDL and <MQL. Italicized values represent water concentrations based on SPMD concentrations at the MDL for that analyte.

Table VII

Spiked SPMD Recovery Data

OCPs & PCBs	Mean Recovery %	Standard Deviation (n = 7)	**PAHs**	Mean Recovery %	Standard Deviation (n = 5)
Trifluralin	50.8	43.0	Naphthalene	39.4	22.5
Hexachlorobenzene	77.6	10.0	Acenaphthylene	52.2	23.4
Pentachloroanisole	86.3	10.2	Acenaphthene	56.3	21.0
α-Benzenehexachloride	65.9	9.0	Fluorene	63.7	11.1
Diazinon	22.6	19.6	Phenanthrene	75.7	5.3
Lindane	80.1	11.9	Anthracene	71.8	4.2
β-Benzenehexachloride	70.9	11.5	Fluoranthene	81.9	4.1
Heptachlor	62.0	26.5	Pyrene	82.6	4.1
δ-Benzenehexachloride	64.4	17.4	Benz[a]anthracene	82.0	3.9
Dacthal	24.5	7.7	Chrysene	84.9	3.9
Chlorpyrifos	35.5	27.2	Benzo[b]fluoranthene	82.1	4.7
Oxychlordane	82.3	30.7	Benzo[k]fluoranthene	84.1	3.6
Heptachlor Epoxide	75.2	14.4	Benzo[a]pyrene	78.2	4.3
trans-Chlordane	73.7	12.0	Indeno[1,2,3-c,d]pyrene	80.8	4.8
trans-Nonachlor	60.3	7.6	Dibenz[a,h]anthracene	82.7	6.9
o,p'-DDE	109	106	Benzo[g,h,i]perylene	81.7	5.9
cis-Chlordane	87.2	41.2			
Endosulfan	73.9	13.9			
p,p'-DDE	129	88.3			
Dieldrin	74.5	11.8			
o,p'-DDD	94.9	40.5			
Endrin	91.0	30.5			
cis-Nonachlor	57.7	11.8			
o,p'-DDT	82.3	12.4			
p,p'-DDD	75.0	13.1			
Endosulfan-II	82.5	18.1			
p,p'-DDT	103	31.6			
Endosulfan Sulfate	64.1	14.3			
Methoxychlor	50.6	13.5			
Mirex	78.3	13.5			
cis-Permethrin	25.6	42.5			
trans-Permethrin	29.8	38.9			
Total PCBs	83.5	12.4			

Table VIII

Site Specific k_{eP} Values Derived from the Analysis of SPMDs for Residual PRC Levels (k_{eP} values with an asterisk are based on pyrene-d_{10}, values without asterisk represent phenanthrene-d_{10})

CERC Site #	Dep #	Station ID	k_{eP}	CERC Site#	Dep #	Station ID	k_{eP}
Site # 1	# 1	**6-BCLN290.74**	0.0364*	Site # 33	# 1	**5-BPCT002.16**	0.0315
Site # 2	# 1	**6-CNFH020.93**	0.0272*	Site # 34	# 1	**5-ABLC000.88**	0.0390
Site # 3	# 1	**6-BPOW133.00**	0.0169*	Site # 35	# 1	**5-ANTW097.27**	0.0263
Site # 4	# 1	**2-XUD000.15**	0.0282	Site # 36	# 1	**9-NBS006.58**	0.0552
Site # 5	# 1	**9-SNK019.59**	0.0504*	Site # 37	# 1	**5-AMHN097.83**	0.0053*
Site # 8	# 1	**4-ASRE020.75**	0.0048*	Site # 38	# 1	**2-NWD004.15**	0.0473
Site # 9	# 1	**6-BPOW141.45**	0.0172*	Site # 40	# 1	**9-PLM000.35**	0.0340
Site # 10	# 1	**2-MFK002.21**	0.0121*	Site # 41	# 1	**5-AFON024.32**	0.0134*
Site # 12	# 1	**6-ADI5013.73**	0.0117*	Site # 42	# 1	**2-CAT026.55**	0.0134
Site # 13	# 1	**1-BSTH029.45**	0.0421*	Site # 43	# 1	**3-MTN003.31**	0.0139*
Site # 15	# 1	**1-AGAN000.32**	0.0168*	Site # 44	# 1	**9-DDD006.61**	0.0126*
Site # 17	# 1	**3-BLK001.92**	0.0184	Site # 45	# 1	**4-ABWA008.53**	0.0107*
Site # 18	# 1	**2-XUE000.31**	0.0053	Site # 46	# 1	**4-AMCG000.56**	0.0257*
Site # 19	# 1	**2-JK5070.97**	0.0403	Site # 48	# 1	**4-ABOR033.22**	0.0162*
Site # 21	# 1	**3-CRC001.38**	0.0364	Site # 49	# 1	**4-AFRY006.08**	0.0173
Site # 22	# 1	**2-APP061.07**	0.0113*	Site # 50	# 1	**9-WLKO26.82**	0.0188*
Site # 23	# 1	**1-BNF5048.74**	0.0427	Site # 1	# 2	**2-RVN022.61**	0.0275
Site # 24	# 1	**8-MPN046.13**	0.0437*	Site # 2	# 2	**2-HAK004.34**	0.0210
Site # 25	# 1	**2-BLB002.04**	0.0351	Site # 4	# 2	**2-BLB002.04**	0.0474
Site # 28	# 1	**3-JOA002.68**	0.0167*	Site # 13	# 2	**2-BLK001.92**	0.0191
Site # 29	# 1	**1-ACAA000.83**	0.0284	Site # 14	# 2	**4-AHRN007.65**	0.0283
Site # 31	# 1	**8-MTA012.09**	0.0199*	Site # 15	# 2	**Not Given**	0.0539
Site # 32	# 1	**5-ASAP004.00**	0.0192*	Site # 18	# 2	**Not Given**	0.0136

Figure I

SPMD Analytical Scheme

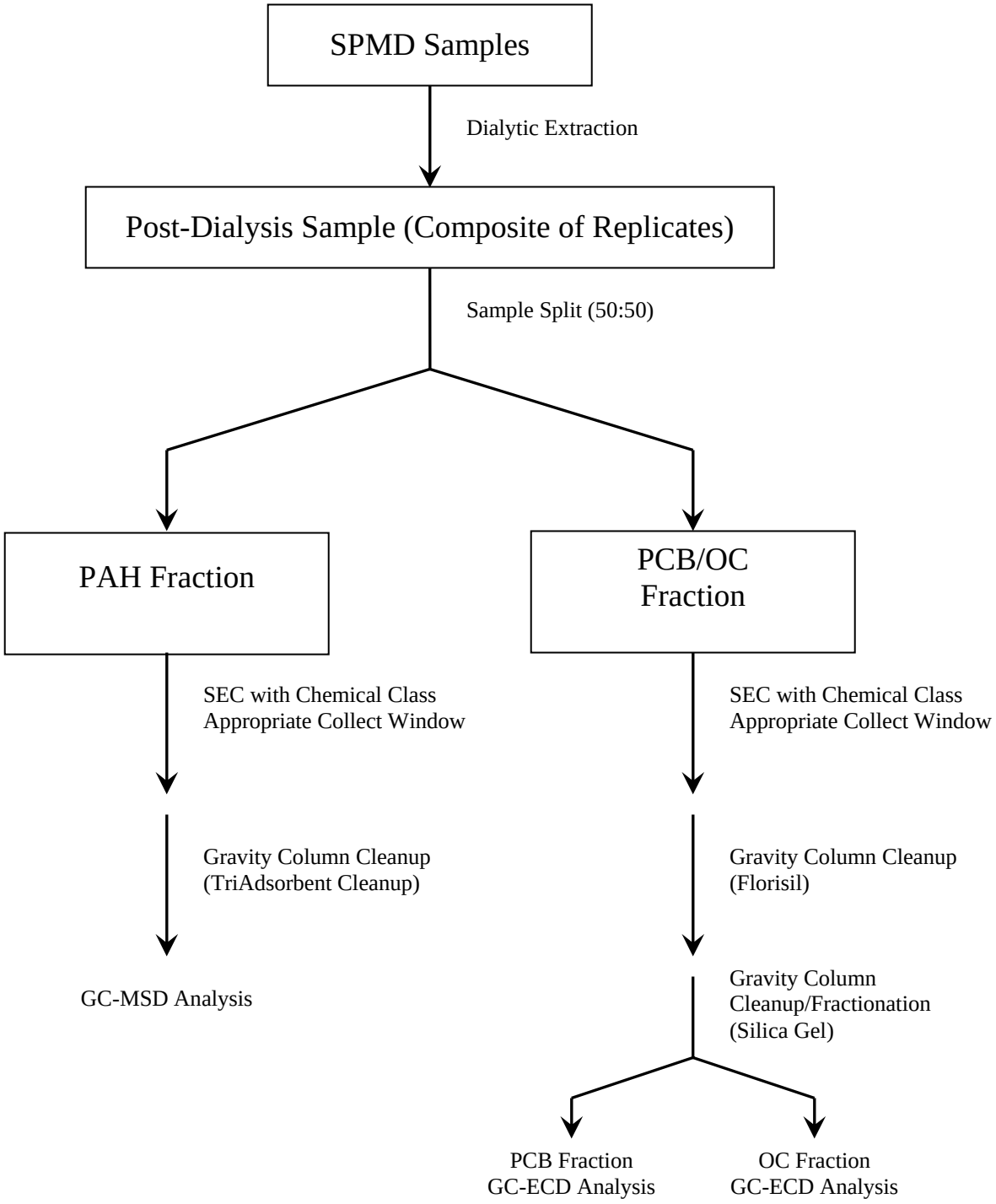

Figure 2

Distribution of PCA in Samples (ng/SPMD) Across Sites