AMENDMENT TO THE SELECTION OF CONTAMINANTS OF POTENTIAL CONCERN FOR ECOLOGICAL RISK ASSESSMENT TECHNICAL MEMORANDUM

PATRICK BAYOU SUPERFUND SITE
DEER PARK, TEXAS

Prepared for

Patrick Bayou Joint Defense Group

Prepared by

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95 UCL	95 percent Upper Confidence Limit
AED	Atlantic Ecology Division
BASF	Bioaccumulation Screening Factor
CCC	Continuous criterion
COI	Chemicals of Interest
COPC	Contaminant of Potential Concern
ERA	Ecological Risk Assessment
FMP	free metabolic weight
FMR	free metabolic rate
GC/MS	gas chromatography/mass spectrometry
HPAH	high molecular weight polycyclic aromatic hydrocarbons
HQ	Hazard Quotient
IR	ingestion rate
JDG	Patrick Bayou Joint Defense Group
kg	kilogram
LOAEL	Lowest Apparent Effects Level
LPAH	low molecular weight polycyclic aromatic hydrocarbons
NOAEL	No Apparent Effects Level
NRWQC	National Recommended Water Quality Criteria
ORD	Office of Research and Development
PCB	polychlorinated biphenyl
PCOPC	Preliminary Contaminant of Potential Concern
RI/FS	Remedial Investigation/Feasibility Study
SAP	Sampling and Analysis Plan
SQ_{csv}	Sediment Quality Screening Value
SVOC	semivolatile organic compounds
TCEQ	Texas Commission on Environmental Quality
TEQ	Toxics Equivalency Quotient
TICs	tentatively identified compounds
TMDL	Total Maximum Daily Load
TPWD	Texas Parks and Wildlife Division
TRV	toxicity reference value
UF	Uncertainty Factor

USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compounds
WQC	Water Quality Criteria

1 PURPOSE

The purpose of this amendment is to address comments received from U.S. Environmental Protection Agency (USEPA), Texas Commission on Environmental Quality (TCEQ), and trustees on the *Draft Selection of Contaminants of Potential Concern* [COPCs] *for Ecological Risk Assessment* document (Anchor 2008; Draft COPC Memo). During a meeting between the Patrick Bayou Joint Defense Group (JDG) consultants, USEPA, TCEQ, and trustees on July 16, 2008, it was agreed that the Draft COPC Report would be finalized by issuing a memorandum or amendment describing the results of the revised COPC screening process. The COPC screening process that was utilized in the Draft COPC Report as a basis for the selection of COPCs for Patrick Bayou was revised as a result of agency comments, incorporation of additional data received from USEPA and TCEQ, and subsequent discussions and agreements between the JDG, USEPA, TCEQ, and trustees. This amendment presents the revised screening process and the final selection of ecological COPCs for Patrick Bayou.

The following sections describe revisions to the project database and the COPC screening process, and present the final list of COPCs for Patrick Bayou.

2 UPDATES AND ADDITIONS TO PROJECT DATABASE

Some of the comments received from TCEQ on the original COPC report were focused on developing a more complete project database for COPC selection by including sediment and bioassay sample results from TCEQ and USEPA investigations. Updates and additions to the project database as a result of these comments and requests are provided below.

2.1 Chemistry Data

Results of whole sediment chemistry analyses performed by TCEQ and USEPA were reviewed for potential inclusion in the Remedial Investigation/Feasibility Study (RI/FS) project database. Specifically, these additional data included whole sediment chemistry results for six (N=6) stations (Stations 3, 4A, 6A, R, 7, and 9). These data were collected during the joint sampling effort completed by USEPA, TCEQ, and the Patrick Bayou Total Maximum Daily Loading (TMDL) Lead Organization in August 2003. In addition, data from Stations 2.5 and T that were collected by TCEQ as part of their routine surface water quality monitoring program were considered. Results from these samples included whole sediment chemistry results from a total of 11 samples collected at Station 2.5 and eight samples from Station T from 2003 to 2007. Finally, sediment chemistry results for five samples collected at Stations 3, 4A, 6A, T, and 9 by TCEQ in August of 2006 were reviewed.

These data were compared to the performance and acceptance criteria for existing data that were developed for the RI/FS (Anchor 2007). Results from Station 9 were excluded from further consideration for inclusion in the project database because Station 9 is not located within the Site boundary. Figure 2-1 provides a map showing the station locations associated with samples that met the performance and acceptance criteria and were included in the selection of ecological COPCs. Table 2-1 lists all surface sediment samples now included in the selection of ecological COPCs, including location, sample date, data type, and data source. Some of these data were excluded from the project database due to failure to meet performance and acceptance criteria. It was agreed between the JDG, USEPA, TCEQ, and trustees that these data would not be included in the project database. A list of these samples is included in Table 2-2.

2.1.1 Tentatively Identified Chemicals

Several samples collected during the joint sampling effort completed by USEPA, TCEQ, and the Patrick Bayou TMDL Lead Organization in August 2003 (N=6) included results reported by USEPA for tentatively identified compounds (TICs). TICs are generally organic compounds identified during the analysis of the sample using gas chromatography/mass spectrometry (GC/MS) but are not routinely analyzed or included on the routine target analyte list. The identity of these compounds may be inferred using a software 'library' of such chemicals and the observed peaks from the GC/MS sample run. However, such matches do not ensure absolute identity.

Use of TIC results in risk assessment is problematic given the uncertainty in their identity and general lack of effects data to assess potential adverse effects on receptors. Therefore, the JDG, USEPA, TCEQ, and trustees have agreed that the TIC results generated by USEPA will not be quantitatively used in the selection of ecological COPCs or subsequent risk characterization in the baseline Ecological Risk Assessment (ERA). Rather, the results will be addressed in the assessment of uncertainty in the ERA to the extent possible. Results of the TIC analysis are included in Attachment B.

2.2 Biological Effects Data

Results of toxicity tests performed by USEPA using Site sediment were added to the project database at the request of TCEQ and USEPA. These tests were performed on sediments collected during two sampling events: 1) sediment samples collected in August 2003 (five samples; Stations 3, 7, 4A, 6A, and R) during the split-sampling effort with the Patrick Bayou TMDL Lead Organization (Parsons et al 2004); and 2) during routine Site monitoring performed by TCEQ in August and September 2006 (three samples; Stations 3, 4A, and 6A).

These toxicity tests were performed by USEPA, Office of Research and Development (ORD), Atlantic Ecology Division (AED) (Narragansett, Rhode Island, USA). Three marine toxicity testing species were used to assess toxicity; these included the amphipod *Ampelisca abdita*, the mysid *Americamysis bahia*, and the bivalve *Mercenaria mercenaria*. Tests were 7-day static exposures with gentle aeration and no renewal. All three species used a mortality endpoint. The bivalve test also included a growth endpoint. Total and un-ionized ammonia were monitored and reported during the tests.

These new data were compared to the performance and acceptance criteria for existing data that were developed for the RI/FS (Anchor 2007). Overall, the documentation and quality of the data was considered adequate for the selection of COPCs based on the review and verification performed by Anchor. No biological effects data sets were excluded from the project database due to failure to meet performance and acceptance criteria. These data were appended to the existing RI/FS project database, which already included results for 33 samples collected at the Site between 2000 and 2003 by the Patrick Bayou TMDL Lead Organization as part of the third party TMDL study (Parsons Engineering 2002 and 2004).

Results of toxicity tests performed with Site sediment that were included in the selection of COPCs for aquatic receptors are summarized in Table 2-3.

3 SELECTION OF COPC FOR AQUATIC RECEPTORS

3.1 Lines of Evidence Hierarchy

Rather than use a weight-of-evidence approach as described in the Draft COPC Memo, a sequential of line-of-evidence approach discussed in the July 16 meeting was used to identify sediment COPCs for aquatic receptors. This sequential step-wise approach is shown in Figure 3-1 and described below.

Step 1. The 95th percentile Preliminary COPC (PCOPC) concentration in sediment was compared to the midpoint of the TCEQ Screening Benchmark and Second Effects Level for sediment (TCEQ 2006). The midpoint was calculated as the geometric mean of the two values, where available, and is hereafter referred to as the midpoint screening value (Midpoint SV).

1. *IF* the PCOPC 95th percentile concentration > Midpoint SV, *THEN* the PCOPC was selected as a COPC for the ERA.
2. *ELSE IF* the PCOPC 95th percentile concentration < Midpoint SV, *THEN* the PCOPC was carried forward to Step 2.

Step 2. Site-specific effects data (i.e., sediment toxicity tests) were used to identify COPCs that had divergent concentration distributions between toxic and non-toxic samples. Briefly, samples were considered toxic if survival in whole sediment bioassays was less than 80 percent for any two test species or less than 40 percent for any one test species. Non-toxic samples had survival greater than or equal to 80 percent for all test species. Section 4.3 below describes the comparison process in more detail.

1. *IF* the PCOPC 75th percentile concentration of toxic samples > 2 x PCOPC 75th percentile concentration of non-toxic samples, *THEN* the PCOPC was selected as a COPC for the ERA.
2. *ELSE IF* the PCOPC 75th percentile concentration of toxic samples < 2 x PCOPC 75th percentile concentration of non-toxic samples, *THEN* the PCOPC was carried forward to Step 3.

Step 3. The 95th percentile of the pore water samples collected during the work package 2 RI/FS investigation (Anchor 2008) were compared to the State of Texas surface water quality chronic saltwater criteria (chronic water quality criteria [WQC]).

1. *IF* PCOPC 95th percentile concentrations > the chronic water quality benchmark, *THEN* the PCOPC was selected as COPC for the ERA
2. *ELSE IF* PCOPC 95th percentile concentration < the chronic WQC, *THEN* the PCOPC was eliminated as a COPC from the ERA

Thus, PCOPCs that 'failed' at least one line of evidence were selected as COPCs for the ERA. PCOPCs that could be evaluated using at least one line of evidence and 'passed' each available line of evidence were excluded as COPCs. PCOPCs that could not be evaluated using any line of evidence were selected as 'Uncertain' COPCs.

Results of this analysis are described in the following sections.

3.2 Comparison to Sediment Quality Guidelines (Step 1)

Summary statistics, including the 95th percentile (lognormal) were recalculated using the updated project database. Summary statistics were calculated using only one result from each unique location sampled within the project boundaries (Figure 2-1). During the last 10 years, several locations have been sampled multiple times. The sampling frequency and number of samples varies between locations. To prevent biasing from repeated measures at selected locations, only one result per analyte per location was used. The result was either 1) the maximum detected concentration at that location, or 2) if all results were non-detect, the maximum non-detect value at that location. Summary statistics were calculated from this subset of data for comparison to screening values as described below. Non-detects were included at one half the detection limit. Database records included in this analysis are provided in Attachment D. Summary results are provided in Table 3-1.

In this Step, 48 PCOPCs were compared to their respective Midpoint SV. Of these, 42 PCOPCs had 95th percentile concentrations that exceeded the Midpoint SV. These PCOPCs were identified as COPCs for the ERA. The remaining six PCOPCs and 35 PCOPCs that could not be evaluated using this line of evidence (due to their lack of appropriate screening values for these chemicals) were carried forward and evaluated in the following steps.

3.3 Site-specific Effects Data (Step 2)

Site-specific toxicity data were used as another line of evidence for evaluating PCOPCs in the selection of COPCs for aquatic receptors. In this approach, co-located Site toxicity and chemistry data were categorized into three groups (non-toxic, toxic, and marginally toxic) based on the results of the whole sediment toxicity tests. For this line of evidence, only the non-toxic and toxic groups were included. If the upper concentration ranges of a particular PCOPC in the two data sets are similar, these results indicate that the toxicity observed in the "toxic" sediments was not likely due to the chemical being screened. If the upper concentration ranges of the PCOPC in the toxic samples was substantially higher than the non-toxic samples, this line of evidence was considered to support the selection of the PCOPC as a COPC in the ERA.

Specifically, the co-located toxicity and chemistry data were used to develop Site-wide distribution functions for both toxic and non-toxic samples. PCOPCs were considered to exceed the toxicity threshold for this line of evidence if the cumulative distribution functions for the toxic and non-toxic samples diverged substantially in the upper portion of the concentration range. Substantial divergence was defined as the 75th percentile concentration for the effects [toxic] distribution exceeding the 75th percentile concentration for the no effects distribution [non-toxic] by a factor of two (Long et al. 1995). PCOPCs that did exceed this toxicity threshold were considered to represent a significant risk to benthic invertebrates due to sediment exposure and were selected as COPCs for the ERA. This approach is similar to the refinement of COPC conducted in the Calcasieu Baseline Ecological Risk Assessment (BERA; CDM 2002).

The sediment data were categorized into three toxicity groups based on the results of the toxicity test results described in Section 2.2. The following decision criteria were used to classify sediments:

1. IF treatment survival >80 percent for all test species, THEN sediment was identified as non-toxic.
2. IF treatment survival <80 percent for more than one test species OR <40 percent survival for any one test species (excepting *A. abdita*), THEN sediment was identified as toxic.

3. IF treatment survival <80 percent for one species, THEN sediment was identified as marginally toxic.

Samples were grouped so that marginally toxic samples would not be grouped with toxic samples. This approach was used because 1) it acknowledges the expected 'dose-response' nature of toxicity data, and 2) it reduces any 'dilution' of the 75th percentile PCOPC in toxic samples by only marginally toxic samples. Results of *A. abdita* tests were not used independently to select toxic sediments due to potential confounding factors (i.e., ammonia toxicity) in tests with this species.

Both first- and second-tier PCOPCs identified in the *Preliminary Contaminants of Potential Concern Selection Memorandum* (Anchor 2007) were included in this analysis. Results are summarized in Table 3-2. In this Step, 77 PCOPCs were evaluated using the site-specific effects data. Of these, 38 PCOPCs had significantly divergent toxic and non-toxic sediment concentration distributions. These PCOPCs were identified as COPCs for the ERA. Ten PCOPCs could not be evaluated using this approach due to 1) fewer than five observations in the non-toxic or toxic effects distributions, or 2) a frequency of detection of less than 5 percent in the non-toxic or toxic effects distributions.

3.4 Porewater Data

Whole surface sediment samples (10 locations) and porewater 'peepers' (six locations) were collected and processed to obtain porewater for chemical analysis between July and August 2007 (Anchor 2008). Results of the porewater chemistry were compared to chronic water quality benchmarks. The chronic water quality benchmarks were selected according to the following hierarchy:

1. Comparison of Site porewater data to TCEQ Ecological Benchmarks for Marine Water listed in *Update to Guidance for Conducting Ecological Risk Assessments at Remediation Sites in Texas* (TCEQ 2006).
2. For chemicals that did not have a specified marine benchmark, Site water pore water data were compared to the Texas Saltwater Chronic Criteria (30 Texas Administrative Code §307.6).
3. Finally, the National Recommended Water Quality Criteria (NRWQC) Saltwater continuous criterion (CCC) (USEPA 2006) were compared to Site pore water data.

The 95th percentile (based on an assumed lognormal distribution) was compared to water quality benchmarks. Chemicals with 95th percentile concentrations exceeding the selected benchmark were identified as supporting the selection of this chemical as a COPC. Results are summarized in Table 3-3.

Of the 75 PCOPCs evaluated in this step, 17 had 95th percentile concentrations exceeding the water quality benchmark, thus exceeding the toxicity threshold for this line of evidence. These PCOPCs were identified as COPCs for the ERA. Fifty-eight chemicals did not exceed their respective chronic screening benchmark. Fifty-nine chemicals did not have a water quality benchmark available and were not screened using this line of evidence.

3.5 Updated and Final List of COPC for Aquatic Receptors

3.5.1 Benthic Invertebrates and Fish

Table 3-4 summarizes the results of the step-wise screening process described in Sections 3.1 through 3.4 above for selection of COPCs for aquatic receptors. Eighty-nine PCOPCs were included in the step-wise screening process. Fifty-nine PCOPCs exceeded the criteria in at least one step of the screening process and were identified as COPCs for the ERA. Twenty-one PCOPCs were not selected as COPCs. A total of 9 PCOPCs were identified as Uncertain COPCs.

3.5.2 Aquatic Plants

No changes to the exposure or effects assessment for aquatic plants have been made during this revision. Changes to the risk characterization and selection of COPC have been made to reflect the uncertainty in assessing risk for aquatic plant PCOPCs without toxicity data. Rather than identify PCOPC without aquatic plant screening benchmarks as Uncertain COPC, these PCOPC will be excluded as COPC for aquatic plants in the ERA. The revised status of aquatic plant COPCs on this revised screening is provided in Table 3-5.

3.5.3 Status of Uncertain COPC

Based on the availability and the results of the line-of-evidence comparisons described above, PCOPCs were identified as COPCs for the ERA, eliminated as COPCs, or

identified as 'Uncertain.' Chemicals identified as 'Uncertain' will be included in ERA Sampling and Analysis Plans (SAP) in future submittals. These new data will be used to reassess their continued status as COPCs in the ERA. A process for evaluating their status as COPCs will be proposed by the JDG as part of the ERA Work Plan.

4 SELECTION OF COPCS FOR WILDLIFE RECEPTORS

4.1 Threatened, Endangered, and Rare Species

Based on information provided by the Texas Parks and Wildlife Department (TPWD), there are 22 threatened, endangered, or otherwise protected species reported, at least historically, to occur in Harris County (Table 4-1). This list includes three mammals, nine birds, one amphibian, seven reptiles, one fish, and one plant. Nearly all of these species have habitat requirements that are absent from the Site and these species would not be expected to have any exposure to the Site. In addition, although a few species have life histories that indicate potential exposure to the Site is possible, the probability of exposure is negligible. Based on a review of this list, only two species may be potentially exposed to the Site. These species include the alligator snapping turtle (*Macrochelys temminckii*) and the eastern brown pelican (*Pelecanus occidentalis*).

The alligator snapping turtle was not selected as a receptor of concern due to the insufficient toxicological data for detailed quantitative evaluation of potential adverse effects on reptiles. This is recognized as a significant uncertainty, inasmuch as the relatively sedentary behavior of many amphibians and reptiles may substantially increase their vulnerability to exposures (compared to most birds and mammals). As ectothermic vertebrates, reptiles (and amphibians) have profoundly different anatomies, physiologies, metabolisms, behaviors, and responses to environmental contaminants than the birds and (even more distantly related) mammals that would, by necessity, be used as surrogates for reptiles in the ERA because of the availability of oral toxicity reference values for these receptors. Finally, the few data that are available for reptiles (Meyers-Schone 2000) suggest that they would not be as sensitive as most birds and mammals. Therefore, risks to alligator snapping turtles will not be quantitatively assessed for the selection of COPCs. Rather, risk characterization for the eastern brown pelican was chosen to represent potential threatened and endangered species that may utilize the Site. For the reasons described above, this approach is also considered protective of the alligator snapping turtle.

4.1.1 Eastern Brown Pelican

Brown pelicans are large marine birds with wingspans of approximately 2 meters and an average body weight of 3.5 kilograms (kg). They inhabit coastal and estuarine environments in Texas. They prefer to nest and breed on small, isolated coastal islands

where there is reduced risk of predation by mammals and minimal human disturbance. During the breeding season, foraging typically occurs within 20 kilometers of their nest site. They forage primarily in shallow estuarine and marine waters near shore. Prey is captured by plunge diving or selective skimming and is taken within 1 meter of the surface. Their diet consists almost solely of fish, particularly gulf menhaden and mullet, usually less than 25 cm in length. Brown pelicans have an average lifespan of 20 years.

4.1.1.1 Selection of Surrogate Representative Receptor

Although there is some life history information available for the brown pelican, reliable studies are sparse and may not allow for an adequate exposure assessment for this species. Rather, the double-crested cormorant, for which there is a larger amount of information for exposure assessment, was chosen as a surrogate species for the brown pelican. The double-crested cormorant shares many similarities to the brown pelican, including a similar diet, foraging requirements and habitat, nesting habits, and potential or known presence at the Site. Given their similarity in life history and the cormorant's slightly lower body weight (e.g., higher free metabolic rate [FMR]), this species is considered a conservative surrogate for the brown pelican.

Double-crested cormorants are slightly smaller than brown pelicans, having an average body weight of approximately 2.5 kg. They are very common along the coast and in estuaries of Texas. Foraging occurs generally within 8 to 16 kilometers of their roost or nest colony. They feed mainly on fish, along with some crustaceans and amphibians, in shallow water along coastlines. Cormorants often feed by diving and pursuing prey. They sometimes feed cooperatively in flocks of up to 600 individuals, often with pelicans. Double-crested cormorants have an average lifespan of 23 years.

The double-crested cormorant dietary intake model was parameterized using the variables and values provided in Table 4-2. Parameters were taken from peer-reviewed documents and guidance. Conservative parameter values (e.g., upper or lower percentiles) were assumed for variables where there was a range of values to consider.

4.2 Other Wildlife Receptors of Concern

Mammals (river otter, raccoon, and mink) and birds (spotted sandpiper, great blue heron, and belted kingfisher) were evaluated as representative receptors in a deterministic risk assessment for their respective feeding guilds for the purposes of this screening. As discussed in Section 1.2.2 of the Draft COPC Selection Memo, representative receptors evaluated in this screening were chosen as conservative default receptors for estuarine environments for screening purposes based on site-specific considerations and Texas ERA guidance on general estuarine food webs (TNRCC 2001). Previously, receptors were evaluated on a more general basis (e.g., omnivorous mammals, carnivorous mammals, and birds). In this revised assessment, each receptor of concern is independently evaluated. COPCs are identified for each of the following feeding guilds according to their respective representative receptors:

1. Carnivorous birds (great blue heron)
2. Sediment probing birds (spotted sandpiper)
3. Piscivorous birds (belted kingfisher)
4. Omnivorous mammals (raccoon)
5. Piscivorous mammals (mink and river otter)

COPC evaluation for fish were conducted using a whole body residue approach as described in the Draft COPC Selection Memo. No changes to the basic exposure and effects assessment were made; however, the selection of bioaccumulative COPCs for fish included 1) recalculation of BSAF values based on modifications to the fillet to whole body equivalency approach (see Section 4.3.2 below and Attachment A), 2) recalculation of the sediment exposure concentration (i.e., 95 percent upper confidence limit [95 UCL]), and 3) identification of surrogate TRV values for some PCOPCs (described in Section 4.4).

4.3 Exposure Assessment

In this revised exposure assessment, both dietary exposure and incidental sediment ingestion (where appropriate) were included in estimates of exposure for wildlife receptors. Dietary and incidental sediment ingestion exposure included all bioaccumulative COPCs identified as bioaccumulative PCOPCs in the *Preliminary Contaminant of Potential Concern Technical Memorandum* (Anchor 2007). In addition, non-bioaccumulative sediment PCOPCs

were included in the exposure assessment to evaluate the potential risk from incidental sediment ingestion by wildlife receptors.

Exposure was characterized using a daily dietary intake model to calculate total daily intake of PCOPCs. The exposure model is adapted from USEPA (1993) and is represented as:

$$TDI = \left[FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) + \left(C_s \times IR_s \right) \right] \times AUF \qquad \text{Equation 4-1}$$

Where:

TDI = Total Daily Intake (mg/kg bw/day)

C_t = Concentration in prey (mg/kg WW)

FMR = Normalized free metabolic rate (Kcal/kg BW/day)

GE = Gross energy of prey class group (Kcal/kg)

AE = Assimilation efficiency for prey (unitless)

C_s = Concentration in sediment (mg/kg DW)

IR_s = Ingestion rate of sediment (kg DW/kg BW/day)

AUF = Area use factor (unitless)

PD = Proportion of prey item in diet (unitless; > 0 and <= 1)

Input variables are described in the following section and are summarized in Table 4-2.

4.3.1 Deterministic Exposure Assessment Input Variables

4.3.1.1 Body Weight and Free Metabolic Rate

Although not used in the exposure model directly, body weight is required to estimate *FMR* when a measured *FMR* is not available for a focal species. Body weight is also used to determine food ingestion rates needed to calculate sediment ingestion rates (IR_s). Body weight data for representative receptors were gathered from USEPA (1993) and Dunning (1983 (Table 4-2). For the exposure assessment, body weights that represent average-sized receptors were used.

When measured *FMRs* were not available, the allometric equation derived by Nagy (1987) was used to estimate free metabolic rate:

$$FMR = \frac{\left(\left(a \times BW^{b}\right) \times CF_1\right)}{BW \times CF_2} \qquad \text{Equation 4-2}$$

Where:

a = FMR-slope

b = FMR-power

BW = Body weight (g)

CF_1 = Conversion factor (1 kcal/4.186 kJ)

CF_2 = Conversion factor (1 kg / 1000 g)

Power and slope terms are based on allometric analysis done using log-transformed FMR values regressed on corresponding mean body weights for several species of mammals, birds, and reptiles (Nagy 1999). The power and slope terms used to estimate FMR were selected on a receptor of concern specific basis. They are summarized in Table 4-2.

4.3.1.2 Gross Energies and Assimilation Efficiencies

The gross energies of prey species used in the exposure model were obtained from reported values in USEPA (1993). The 5 percent lower confidence limit of gross energy values were used when mean and standard deviation data were reported. Otherwise the single reported value was used. The basis for gross energy values are summarized in Table 4-3.

The assimilation efficiency of fish and invertebrates by each representative receptor was obtained from reported values in USEPA (1993). The 5 percent lower confidence limit AE_i was used when mean and standard deviation data were reported. Otherwise the single reported value was used. The basis for assimilation efficiencies are summarized in Table 4-3.

4.3.1.3 Incidental Sediment Ingestion Rates

The daily intake rate of sediment (dry weight) normalized to body weight of the receptor was estimated using the wildlife oral dose equation for soil or sediment

ingestion exposures as described in USEPA (1993). The following equation was used:

$$IR_{sediment} = \frac{FMR}{AE \times GE} \times CF_3 \times P_{sediment} \qquad \text{Equation 4-3}$$

Where:

$IR_{sediment}$ = Ingestion rate of sediment (mg DW/kg BW/day)

CF_3 = Wet weight to dry weight conversion factor (CF3 = fraction solids in sediment)

$P_{sediment}$ = Proportion of sediment relative to food ingestion rate

The $P_{sediment}$ values were obtained from the literature and are listed in Table 4-2.

4.3.1.4 Proportion of Prey Items in Diet

Fish and benthic invertebrates were considered the primary prey items for the wildlife species examined. The proportion of a prey item in the diet varies according to the focal species of interest, and prey items were organized into four prey classes representing size, distribution in the water column, trophic level, and foraging range. For carnivorous and piscivorous birds, the diet was assumed to be composed of 100 percent prey class 1 and 2 fish. Piscivorous mammals had a diet of 50 percent prey class 1 and 50 percent prey class 4 fish. For omnivorous mammals, 100 percent of the diet was assumed to consist of Prey class 1 fish. This approach is conservative because the diet of omnivorous mammals consists of many food items including invertebrates, plants, insects, and other mammals that may be terrestrial. These prey items are likely to have lower concentration of the COPCs. Benthic invertebrates (i.e., crabs and shrimp) were used as representative prey for sediment-probing birds. Prey item classes are summarized in Table 4-4.

4.3.2 Sediment and Tissue Exposure Concentrations

For each PCOPC included in the wildlife exposure models, 95 UCL estimate on a population arithmetic mean of whole surface sediment concentration was calculated using USEPA's most recent version of ProUCL software (ProUCL 4.0; Singh et al. 2007). Summary statistics, including the 95 UCL were recalculated using the updated project

database as described in Section 2. Summary statistics were calculated using only one result from each unique location sampled within the project boundaries. During the last 10 years, several locations have been sampled multiple times. The sampling frequency and number of samples can vary greatly between locations. To prevent biasing from repeated measures at selected locations, only one result per analyte per location was used. The result was either 1) the maximum detected concentration on a location specific basis, or 2) if all results were non-detect, the maximum non-detect value was selected. Summary statistics, including the 95 UCL, for PCOPCs included in the wildlife exposure assessment are included in Table 4-5.

BSAF values were derived from two primary sources 1) the Calcasieu Estuary BERA (CDM 2002) and the USACE Engineering Research and Development Center (ERDC) BSAF database. A detailed description of how this data was compiled and analyzed is provided in the Draft COPC Selection Memo. Based on comments from USEPA, TCEQ, and the trustees, BSAF values and summary statistics were recalculated based on revised fillet to whole body conversion factor equations described in the response to comments matrix (Attachment A). Briefly, fillet tissue concentrations were converted to an equivalent whole body basis using chemical specific equations developed by Bevelheimer, et al. (1997). Specific conversion equations were applied to mercury, arsenic, chromium, selenium, total polychlorinated biphenyls (PCB), total chlordane, and total DDT. Fillet results for chemicals without conversion factors were not converted to a whole body equivalent and were not included in the BSAF derivations for the wildlife exposure models.

For each receptor group, a range of expected dietary biota exposure concentrations for each receptor prey class was calculated as:

$$C_{t,UB} = C_{s,95UCL} \times BSAF_{95PCTL}$$
$$C_{t,LB} = C_{s,95UCL} \times BSAF_{Geomean}$$

Equation 4-4

Where:

$C_{t,UB}$ = Upper bound estimate of body burden (fish) or prey item concentration (wildlife)

C_{tLB} = Lower bound estimate of body burden (fish) or prey item concentration (wildlife)

$C_{s,95UCL}$ = Concentration in sediment, upper bound estimate

$BSAF_{95PCTL}$ = Biota-sediment accumulation factor based on 95th percentile

$BSAF_{Geomean}$ = Biota-sediment accumulation factor based on geometric mean

For most chemicals, site-specific tissue concentrations were estimated by a direct one to one sediment concentration and BSAF calculation. However, for 2,3,7,8-TCDD toxic equivalency quotient (TEQ) and PCB congener TEQ, an intermediate step was conducted. The whole sediment 95 UCL for each congener was first multiplied by the congener-specific BSAF. Next, the result was multiplied by its respective receptor group-specific TEF. The sum of these congener-specific tissue concentrations was then compared to the TEQ tissue benchmark for COPC screening.

4.3.2.1 Use of Surrogate BSAF Values

For a few PCOPCs, BSAF values were not available from the resources (Calcasieu BERA and USACE ERDC BSAF database) utilized in this assessment. For these PCOPCs, an attempt was made to identify reasonable and appropriate surrogate BSAF values from among those available. Naphthalene, PCB-77, PCB-81, PCB-123, 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene BSAFs were not available for one or more receptor groups, depending on the prey items in that receptor's diet.

As such, 2-methyl naphthalene BSAFs were selected as surrogate values for naphthalene. This was considered a reasonable and appropriate choice due to the similarity in chemical structure. Each chemical consists of two fused benzene rings, the only difference being the additional methyl group attached to 2-methylnaphthalene. Owing to their similarity in structure, it was assumed that the kinetics and steady-state bioaccumulation would be similar.

For PCB-77 and PCB-81, which are co-planar tetra-PCBs, PCB-105 BSAFs were selected as surrogate values for these PCOPCs. PCB-105 is a co-planar penta-PCB. Thus, an additional chlorine atom exists on PCB-105. PCB-105 was considered a

conservative choice as a surrogate based on the general tendency of increasing chlorination to result in increasing rates of bioaccumulation. Following this expectation, PCB-105 BSAF would likely be a more conservative choice, relative to what would be expected for PCB-77 and PCB-81.

For PCB-123, which is a co-planar penta-PCB, another co-planar penta-PCB, PCB-126, was chosen as a surrogate based on the similarity in structure and expected similarity in uptake and bioaccumulation rates.

Finally, hexachlorobenzene BSAFs were chosen as surrogates for 1,2-dichlorobenzene, 1,3-dichlorobenzene, and 1,4-dichlorobenzene. The octanol-water partition coefficient (Kow), which is a primary indicator of bioaccumulation potential, is 5.86 for hexachlorobenzene whereas for all three dichlorobenzenes, this value is less than 3.3 (TCEQ 2008). Thus, the selection of hexachlorobenzene BSAFs as surrogate values for dichlorobenzenes is considered a reasonable but conservative choice.

These surrogate values are reflected and footnoted in risk calculation sheets located in Attachment C.

4.4 Effects Assessment

The effects assessment for wildlife was revised to 1) address editorial comments made during the resource agency review, and 2) add additional non-bioaccumulative PCOPCs as requested by the resource agencies.

Tables 4-6 and 4-7 detail the derivation of toxicity reference values (TRV) for birds and mammals, respectively. As described in Draft COPC Selection Memo, an uncertainty factor (UF) of 10 was used to adjust a lowest apparent effects level (LOAEL) TRV to no apparent effects level (NOAEL) TRV, and a UF of 10 was used to adjust TRVs derived from subchronic studies to chronic TRVs. A UF of 100 was used to adjust LD_{50} values to chronic NOAEL equivalent values. To calculate a LOAEL TRV from a NOAEL based study, a UF of 5 was multiplied to the NOAEL TRV. For mammals, TRVs were body weight scaled. The

body weight-adjusted TRVs were calculated using the allometric equation described in Sample et al. (1996; Equation 4):

$$TRV_{adj} = TRV_t \times (BW_t / BW_r)^{0.25} \qquad \text{Equation 4-5}$$

Where:

TRV_{adj} = Adjusted NOAEL- or LOAEL-equivalent TRV (mg/kg body weight-day)

TRV_t = NOAEL- or LOAEL-equivalent TRV for test organism (mg/kg body weight-day)

BW_t = Body weight for test organism (kg)

BW_r = Body weight for receptor species (kg)

The body weight for each receptor used in the above equation was obtained from USEPA (1993), with the exception of test species body weights reported in the primary study. Body-weight adjusted TRV values for mammalian receptors of concern are presented in Table 4-8.

Eight non-bioaccumulative chemicals were selected for incidental dietary ingestion by wildlife receptors. These chemicals exceeded sediment screening values (SQ_{CSV}) described in Section 3.2 and were included in the wildlife assessment as requested by TCEQ. Evaluation of these chemicals in the wildlife assessment was confounded by the lack of effects data for avian and mammalian receptors in the open literature. TRV values for bis(2-ethlyhexyl) phthalate were available for both avian and mammalian receptors groups and were included in the wildlife assessment. Several chemicals (benzene, toluene, and xylene) only had effects data for mammalian receptors and were not evaluated for avian receptors. Finally, 1,1,1-trichloroethane, 1,1,2,2-tetrachloroethane, acyrlonitrile, and chlorobenzene, could not be assessed for either receptor group due to the dearth of effects data. Thus, these chemicals were evaluated in the wildlife assessment to the extent possible. For those chemicals and receptor groups that could not be assessed, their status as COPCs for wildlife is discussed in Section 4.5.

4.5 Risk Characterization

A NOAEL- and LOAEL-based hazard quotient was calculated for each wildlife PCOPC on a receptor specific basis where possible. The Hazard Quotient (HQ) was calculated as follows:

$$HQ_{NOAEL} = TDI_{UB} / TRV_{NOAEL}$$
$$HQ_{LOAEL} = TDI_{LB} / TRV_{LOAEL}$$

Equation 4-6

Where:

HQ_{NOAEL} =	Hazard quotient, NOAEL-based
HQ_{LOAEL} =	Hazard quotient, LOAEL-based
TDI_{UB} =	Upper bound of estimated total daily intake (mg/kg bw/day)
TRV_{NOAEL} =	Toxicity reference value, NOAEL-based
TDI_{LB} =	Lower bound of estimated total daily intake (mg/kg bw/day)
TRV_{LOAEL} =	Toxicity reference value, LOAEL-based

Chemicals for which the resulting HQ_{LOAEL} is greater than 1.0 are defined as primary bioaccumulative COPCs to be carried forward in the ERA. Chemicals for which the HQ_{LOAEL} is less than 1.0, but greater than 1.0 for the HQ_{NOAEL}, are identified as providing an indeterminate range of risk and require further analysis in the ERA. These chemicals are defined as Uncertain COPCs. Chemicals with HQ_{NOAEL} less than 1.0 are considered low risk and will not be carried forward into the ERA.

HQ values for the double-crested cormorant are assessed differently since this receptor is a surrogate for threatened or endangered species (i.e., brown pelican). In this case, any PCOPC with an HQ_{NOAEL} value greater than 1.0 is considered a primary COPC for this receptor in order to provide a more protective criterion for this species.

Several non-bioaccumulative COPCs could not be assessed due to the lack of available and relevant effects data in the open literature. These PCOPCs that lack effects data will be identified as Uncertain COPCs. Efforts will be made during the ERA Work Plan and ERA to identify effects data that may become available to quantitatively assess risk to wildlife from

these chemicals; otherwise, they will be qualitatively assessed in the uncertainty analysis of the ERA.

4.6 Updated and Final List of COPCs for Wildlife Receptors

4.6.1 Brown Pelican

Twenty-five PCOPC had HQ_{NOAEL} values exceeding 1.0 and were selected as COPC for this receptor. Seven PCOPCs could not be evaluated due to a lack of appropriate TRV values and will be carried forward as Uncertain COPCs and assessed in the ERA as described previously in Section 4.5. Results are summarized in Table 4-9 and calculation sheets are provided in Attachment C. COPCs for this receptor included:

COPCs	Uncertain COPCs[a]
Arsenic	1,1,1-Trichloroethane
Chromium	1,1,2,2-Tetrachloroethane
Lead	Acrylonitrile
Mercury	Benzene
Zinc	Chlorobenzene
2-Methylnaphthalene	Toluene
Acenaphthene	Total xylene
Acenaphthylene	
Anthracene	
Fluorene	
Naphthalene	
Phenanthrene	
Total LPAH 16	
Aroclor 1248	
Aroclor 1254	
PCB congeners TEQ	
Dioxin/furan congener TEQ	
4,4'-DDD	
4,4'-DDE	
4,4'-DDT	
Total DDT	
Hexachlorobenzene	
Hexachlorobutadiene	
1,3-Dichlorobenzene	
1,4-Dichlorobenzene	

a Uncertain COPC due to lack of effects data for receptor

4.6.2 Birds

Eighteen PCOPCs had HQ_{LOAEL} values exceeding 1.0 and were selected as COPCs for this receptor. Sixteen PCOPCs had HQ_{LOAEL} values less than 1.0 but HQ_{NOAEL} values exceeding 1.0, resulting in indeterminate risk. These PCOPCs were identified as Uncertain. Seven PCOPCs could not be evaluated due to a lack of appropriate TRV values, and will be carried forward as Uncertain COPC and assessed in the ERA as described previously. Results are summarized in Table 4-9 and calculation sheets are provided in Attachment C. COPCs for this receptor group included:

COPCs	Uncertain COPCs	
	Indeterminate Risk[a]	Lack Effects Data
Arsenic	Cadmium	1,1,1-Trichloroethane
Chromium	Copper	1,1,2,2-Tetrachloroethane
Lead	Selenium	Acrylonitrile
Mercury	2-Methylnaphthalene	Benzene
Zinc	Acenaphthene	Chlorobenzene
Phenanthrene	Acenaphthylene	Toluene
Total LPAH 16	Anthracene	Total xylene
Aroclor 1248	Fluorene	
Aroclor 1254	Total HPAH 16	
PCB congeners TEQ	Total PAH 16	
Dioxin/furan congener TEQ	Aldrin	
4,4'-DDD	Endrin	
4,4'-DDE	Heptachlor Epoxide	
4,4'-DDT	Hexachloroethane	
Total DDT	1,4-Dichlorobenzene	
Hexachlorobenzene	bis(2-ethylhexyl)phthalate	
Hexachlorobutadiene		
1,3-Dichlorobenzene		

a Indeterminate risk range (i.e. HQNOAEL >1 and HQLOAEL < 1)

4.6.3 Mammals

Seven PCOPCs had HQ_{LOAEL} values exceeding 1.0 and were selected as COPCs for this receptor. Twenty-one PCOPCs had HQ_{LOAEL} values less than 1.0 but HQ_{NOAEL} values exceeding 1.0, resulting in indeterminate risk. These PCOPCs were identified as Uncertain. Seven PCOPCs could not be evaluated due to lack of appropriate TRV values. Results are summarized in Table 4-9 and calculation sheets are provided in Attachment C. COPCs for this receptor group included:

COPCs	Uncertain COPCs	
	Indeterminate Risk[a]	Lack Effects Data
Arsenic	Copper	1,1,1-Trichloroethane
Mercury	Zinc	1,1,2,2-Tetrachloroethane
Selenium	Benzo(a)anthracene	Acrylonitrile
Aroclor 1248	Benzo(a)pyrene	Benzene
Aroclor 1254	Benzo(b)fluoranthene	Chlorobenzene
PCB congeners TEQ	Benzo(g,h,i)perylene	Toluene
Dioxin/furan congener TEQ	Benzo(k)fluoranthene	Total xylene
	Chrysene	
	Dibenzo(a,h)anthracene	
	Fluoranthene	
	Total HPAH 16	
	Total LPAH 16	
	Aroclor 1260	
	4,4'-DDE	
	4,4'-DDT	
	Aldrin	
	Heptachlor Epoxide	
	Endosulfan II	
	Total DDT	
	Hexachlorobenzene	
	Hexachlorobutadiene	

a Indeterminate risk range (i.e. HQNOAEL >1 and HQLOAEL < 1)

4.6.4 Carnivorous Fish

Based on the changes described in Section 4.3.2 to the BSAF database and 95 UCL for sediment, the COPC screening for fish was revised to reflect these modifications. Based on this revised screening, three PCOPCs were identified as COPCs. Fifteen PCOPCs had HQ_{LOAEL} values less than 1.0 but HQ_{NOAEL} values exceeding 1.0, resulting in indeterminate risk. These PCOPCs were identified as Uncertain. Seven PCOPCs could not be evaluated due to lack of appropriate TRV values. Results are summarized in Table 4-9 and calculation sheets are provided in Attachment C. COPCs for this receptor group included:

COPCs	Uncertain COPCs	
	Indeterminate Risk[a]	Lack Effects Data
Arsenic	Cadmium	Nickel
Mercury	Chromium	Chrysene
Total PCB Aroclors	Copper	Aroclor 1248
	Lead	Aroclor 1260
	Selenium	Total DDT

	Zinc	Hexachlorobenzene
	Total LPAH 16	Hexachloroethane
	Total PAH 16	
	Dioxin/furan congener TEQ	
	4,4'-DDD	
	4,4'-DDE	
	Aldrin	
	Endosulfan II	
	Total Chlordane (alpha & gamma)	
	1,3-Dichlorobenzene	

a Indeterminate risk range (i.e. HQNOAEL >1 and HQLOAEL < 1)

5 SUMMARY

Based on the revised screening of PCOPCs, a total of 59 PCOPCs were selected as COPCs and 10 PCOPCs were selected as Uncertain COPCs for aquatic receptors in the ERA. For aquatic plants, eight COPCs were selected for the ERA. For aquatic dependent wildlife, 55 PCOPCs were identified as a COPC or Uncertain COPC for at least one receptor of concern and will be carried forward into the ERA. These COPCs will be included in target analyte lists for additional Site investigations described in the ERA Work Plan and associated SAPs.

Table 5-1 lists the COPC target analyte list for the ERA by Site media: sediment, tissue, pore water, and surface water. Sediment COPC analytes includes all COPCs or Uncertain COPCs for aquatic receptors, wildlife, or carnivorous fish. Tissue COPC analytes include all COPCs or Uncertain COPCs for wildlife or carnivorous fish. Porewater COPC analytes include COPCs for aquatic plants. Finally, surface water COPC analyte list includes COPCs or Uncertain COPCs for aquatic receptors or potentially bioaccumulative COPCs detected in surface water (i.e., mercury and selenium). In addition, several chemicals of interest (COI) have been added to the surface water COPC analyte list due to the lack of existing data to assess their status as COPC for the ERA. These COIs include the routine analyte list for pesticides, PCB congeners, volatile organic compounds (VOC), semivolatile organic compounds (SVOCs), and dioxin/furans.

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TABLES

Table 2-1
List of Samples Included in the Selection of Ecological COPCs

Agency/Entity	Activity	Station ID	Sample ID[a]	Sample Date	Northing	Easting	Metals	Conventionals	SVOC	VOC	Pesticides	PCB Aroclors	Dioxin/Furans	PCB Congeners
PB JDG	RI/FS	EF-001	EF001-1SC011-N	10/5/06	13831246.94	3201632.958	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-003	PB003-1SC011-N	10/2/06	13836154.41	3202134.797	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-009	PB009-1SC011-N	10/2/06	13836186.47	3201846.046	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-016	PB016-1SC011-N	10/3/06	13836105.37	3201172.392	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-018	PB018-1SC011-N	10/3/06	13835866.87	3201082.264	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-022	PB022-1SC011-N	10/3/06	13835492.52	3201095.007	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-030	PB030-1SC011-N	10/4/06	13834704.4	3201358.784	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-036	PB036-1SC011-N	10/4/06	13834129.85	3201370.125	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-042	PB042-1SC011-N	10/4/06	13833564.42	3201345.24	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-048	PB048-1SC011-N	10/4/06	13832966.96	3201486.842	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-057	PB057-1SC011-N	10/5/06	13832096.91	3201467.145	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-063	PB063-1SC011-N	10/5/06	13831339.74	3201536.273	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-073	PB073-1SC011-N	10/5/06	13830742.28	3201037.34	X	X	X	X	X	X	X	X
PB JDG	RI/FS	PB-077	PB077-1SS007-N	10/5/06	13830380.11	3200738.387	X	X	X	X	X	X	X	X
PBLO	TMDL	2	2-4/23/2001	4/23/01	13836653.71	3203286.844	X	X	X	X	X	X	X	
PBLO	TMDL	2	2-9/5/2000	9/5/00	13836653.71	3203286.844	X	X	X	X	X	X	X	
PBLO	TMDL	2.5	2.5-4/23/2001	4/23/01	13836160.5	3201710.465	X	X	X	X	X	X	X	
PBLO	TMDL	2.5	2.5-9/5/2000	9/5/00	13836160.5	3201710.465	X	X	X	X	X	X	X	
PBLO	TMDL	3	3-4/24/2001	4/24/01	13834261.95	3201381.078	X	X	X	X	X	X	X	
PBLO	TMDL	3	3-8/12/2003	8/12/03	13834261.95	3201381.078	X	X	X	X				
PBLO	TMDL	3	3-9/6/2000	9/6/00	13834261.95	3201381.078	X	X	X	X	X	X	X	
PBLO	TMDL	4A	4A-4/24/2001	4/24/01	13833153.34	3201713.102	X	X	X	X	X	X	X	
PBLO	TMDL	4A	4A-8/12/2003	8/12/03	13833153.34	3201713.102	X	X	X	X				
PBLO	TMDL	4A	4a-9/5/2000	9/5/00	13833153.34	3201713.102	X	X	X	X	X	X	X	
PBLO	TMDL	5	5-4/24/2001	4/24/01	13833002.16	3201336.87	X	X	X	X	X	X	X	
PBLO	TMDL	5	5-9/5/2000	9/5/00	13833002.16	3201336.87	X	X	X	X	X	X	X	
PBLO	TMDL	6A	6A-4/25/2001	4/25/01	13831418.4	3201362.078	X	X	X	X	X	X	X	
PBLO	TMDL	6A	6A-8/12/2003	8/12/03	13831418.4	3201362.078	X	X	X	X				
PBLO	TMDL	6A	6a-9/5/2000	9/5/00	13831418.4	3201362.078	X	X	X	X	X	X	X	
PBLO	TMDL	7	7-4/26/2001	4/26/01	13828220.99	3201270.954	X	X	X	X	X	X	X	
PBLO	TMDL	7	7-8/12/2003	8/12/03	13828220.99	3201270.954	X	X	X	X				
PBLO	TMDL	7	7-9/6/2000	9/6/00	13828220.99	3201270.954	X	X	X	X	X	X	X	
PBLO	TMDL	8	8-4/25/2001	4/25/01	13826344.5	3201533.379	X	X	X	X	X	X	X	
PBLO	TMDL	8	8-9/6/2000	9/6/00	13826344.5	3201533.379	X	X	X	X	X	X	X	
PBLO	TMDL	9	9-8/12/2003	8/12/03	13826005.27	3201452.982	X	X	X	X				
PBLO	TMDL	9	9-9/6/2000	9/6/00	13826005.27	3201452.982	X	X	X	X	X	X	X	
PBLO	TMDL	10	10-4/25/2001	4/25/01	13830923.34	3202129.314	X	X	X	X	X	X	X	
PBLO	TMDL	10	10-9/5/2000	9/5/00	13830923.34	3202129.314	X	X	X	X	X	X	X	
PBLO	TMDL	E	E-4/23/2001	4/23/01	13835606.46	3201181.635	X	X	X	X	X	X	X	
PBLO	TMDL	E	E-9/6/2000	9/6/00	13835606.46	3201181.635	X	X	X	X	X	X	X	
PBLO	TMDL	G	G-4/24/2001	4/24/01	13833445.18	3201385.555	X	X	X	X	X	X	X	
PBLO	TMDL	G	G-9/6/2000	9/6/00	13833445.18	3201385.555	X	X	X	X	X	X	X	
PBLO	TMDL	Q	Q-4/25/2001	4/25/01	13830421.8	3200799.782	X	X	X	X	X	X	X	
PBLO	TMDL	Q	Q-9/5/2000	9/5/00	13830421.8	3200799.782	X	X	X	X	X	X	X	
PBLO	TMDL	R	R-4/26/2001	4/26/01	13828577.09	3201094.46	X	X	X	X	X	X	X	
PBLO	TMDL	R	R-8/12/2003	8/12/03	13828577.09	3201094.46	X	X	X	X				
PBLO	TMDL	R	R-9/5/2000	9/5/00	13828577.09	3201094.46	X	X	X	X	X	X	X	
PBLO	TMDL	S	S-4/24/2001	4/24/01	13835851.9	3201068.463	X	X	X	X	X	X	X	
PBLO	TMDL	S	S-9/5/2000	9/5/00	13835851.9	3201068.463	X	X	X	X	X	X	X	
PBLO	TMDL	T	T-4/25/2001	4/25/01	13832101.31	3201609.231	X	X	X	X	X	X	X	
PBLO	TMDL	T	T-9/5/2000	9/5/00	13832101.31	3201609.231	X	X	X	X	X	X	X	
PBLO	TMDL	U	U-4/24/2001	4/24/01	13834667.1	3201352.651	X	X	X	X	X	X	X	
PBLO	TMDL	U	U-9/6/2000	9/6/00	13834667.1	3201352.651	X	X	X	X	X	X	X	

Table 2-1
List of Samples Included in the Selection of Ecological COPCs

Agency/Entity	Activity	Station ID	Sample ID[a]	Sample Date	Northing	Easting	Metals	Conventionals	SVOC	VOC	Pesticides	PCB Aroclors	Dioxin/Furans	PCB Congeners
PBLO	TMDL	V	V-4/23/2001	4/23/01	13836389.69	3202308.86	X	X	X	X	X	X	X	
PBLO	TMDL	V	V-9/5/2000	9/5/00	13836389.69	3202308.86	X	X	X	X	X	X	X	
PBLO	TMDL	Y	Y-4/26/2001	4/26/01	13829721.7	3200730.468	X	X	X	X	X	X	X	
PBLO	TMDL	Y	Y-9/6/2000	9/6/00	13829721.7	3200730.468	X	X	X	X	X	X	X	
TCEQ	RT	2.5	2.5-1/25/2000-TCEQ	1/25/00	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-10/13/1999-TCEQ	10/13/99	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-2/13/2002-TCEQ	2/13/02	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-32/5/2003-TCEQ	2/5/03	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-4/12/2001-TCEQ	4/12/01	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-4/14/2004-TCEQ	4/14/04	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-4/23/2003-TCEQ	4/23/03	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-4/25/2006-TCEQ	4/25/06	13836160.5	3201710.465	X	X	X	X	X	X		
TCEQ	RT	2.5	2.5-4/27/2005-TCEQ	4/27/05	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-4/29/1999-TCEQ	4/29/99	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-5/9/2000-TCEQ	5/9/00	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-7/1/2004-TCEQ	7/1/04	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-7/17/2002-TCEQ	7/17/02	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-7/17/2003-TCEQ	7/17/03	13836160.5	3201710.465	X	X						
TCEQ	RT	2.5	2.5-7/19/2000-TCEQ	7/19/00	13836160.5	3201710.465	X	X	X	X	X	X		
TCEQ	RT	2.5	2.5-7/22/1999-TCEQ	7/22/99	13836160.5	3201710.465	X	X	X	X	X	X		
TCEQ	RT	2.5	2.5-8/2/2006-TCEQ	8/2/06	13836160.5	3201710.465	X	X	X	X	X	X		
TCEQ	RT	2.5	2.5-8/4/2005-TCEQ	8/4/05	13836160.5	3201710.465	X	X	X	X	X	X		
TCEQ/USEPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	13834261.95	3201381.078			X	X	X	X		
TCEQ	SS	3	3-8/31/2006-TCEQ	8/31/06	13834261.95	3201381.078	X	X	X	X	X	X		
TCEQ/USEPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	13833153.34	3201713.102			X	X	X	X		
TCEQ	SS	4A	4A-8/31/2006-TCEQ	8/31/06	13833153.34	3201713.102	X	X	X	X	X	X		
TCEQ/USEPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	13831418.4	3201362.078			X	X	X	X		
TCEQ	SS	6A	6A-8/31/2006-TCEQ	8/31/06	13831418.4	3201362.078	X	X	X	X	X	X		
TCEQ/USEPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	13828220.99	3201270.954			X	X	X	X		
TCEQ	SS	9	9-8/12/2003-TCEQ	8/12/03	13826005.27	3201452.982			X	X	X	X		
TCEQ	SS	9	9-9/1/2006-TCEQ	9/1/06	13826005.27	3201452.982	X	X	X	X	X	X		
TCEQ/USEPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	13828577.09	3201094.46			X	X	X	X		
TCEQ	SS	T	T-12/16/2002-TCEQ	12/16/02	13832101.31	3201609.231	X	X						
TCEQ	SS	T	T-2/19/2003-TCEQ	2/19/03	13832101.31	3201609.231	X	X						
TCEQ	SS	T	T-4/17/2003-TCEQ	4/17/03	13832101.31	3201609.231	X	X						
TCEQ	SS	T	T-5/11/2004-TCEQ	5/11/04	13832101.31	3201609.231	X	X						
TCEQ	SS	T	T-6/28/2006-TCEQ	6/28/06	13832101.31	3201609.231		X	X	X	X	X		
TCEQ	SS	T	T-7/19/2005-TCEQ	7/19/05	13832101.31	3201609.231	X	X	X	X	X	X		
TCEQ	SS	T	T-8/29/2005-TCEQ	8/29/05	13832101.31	3201609.231	X	X			X	X		
TCEQ	SS	T	T-8/30/2004-TCEQ	8/30/04	13832101.31	3201609.231	X	X	X	X	X	X		
TCEQ	SS	T	T-8/31/2006-TCEQ	8/31/06	13832101.31	3201609.231	X	X	X	X	X	X		

Notes:

[a] Sample ID for PBLO and TCEQ data have been renamed to meet RI/FS project database format

PBLO - Patrick Bayou Lead Organization

TCEQ - Texas Commission on Environmental Quality

TMDL - Total Maximum Daily Load

RT - Routine Monitoring

SS - Special Study

RI/FS - Remedial Investigation/Feasibility Study

PB JDG - Patrick Bayou Joint Defense Group

X - chemical class analyzed

Table 2-2
Data Excluded from Project Database Due to Failure to Meet Performance and Acceptance Criteria

Agency/Entity	Activity	Station ID	Sample ID[a]	Sample Date	Reason
TCEQ	RT	4	4-1/27/1997-EPA/TCEQ	1/27/1997	Hard copy and/or original electronic data unavailable
TCEQ	RT	2.5	2.5-8/01/2001-EPA/TCEQ	8/1/2001	Hard copy and/or original electronic data unavailable
TCEQ	SS	4a	4a-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	SS	6a	6a-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	SS	E	E-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	SS	3	3-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	SS	7	7-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	SS	R	R-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	SS	9	9-8/12/2003-EPA/TCEQ	8/12/2003 [b]	Hard copy and/or original electronic data unavailable
TCEQ	RT	T	T-8/30/2004-EPA/TCEQ	8/30/2004	Hard copy and/or original electronic data unavailable
TCEQ	RT	T	T-8/29/2005-EPA/TCEQ	8/29/2005	Hard copy and/or original electronic data unavailable
TCEQ	RT	2.5	2.5-5/23/2007-EPA/TCEQ	5/23/2007	Hard copy and/or original electronic data unavailable

Notes:

a - Sample ID renamed to meet RI/FS project database format

b - Only metals analysis results excluded

TCEQ - Texas Commission on Environmental Quality

RT - Routine Monitoring

SS - Special Study

Table 2-3
Summary of Whole Sediment Bioassay Results Included in the Selection of Ecological COPCs

Agency/Entity	Activity	Station ID	Sample ID	Matrix	Sample Date	*Lephtocheirus plumulosus* Duration: 10 d Endpoint: Mortality % Survival	*Neanthes arenaceodentata* Duration: 10 d Endpoint: Mortality % Survival	*Americamysis bahia* Duration: 10 d Endpoint: Mortality % Survival	*Ampelisca abdita* Duration: 10 d Endpoint: Mortality % Survival	*Americamysis bahia* Duration: 7 d Endpoint: Mortality % Survival	*Amplesica abdita* Duration: 7 d Endpoint: Mortality % Survival
TCEQ/USEPA	SS	3	3-8/12/2003-EPA/TCEQ	Whole Sediment	8/12/2003	--	--	--	--	90	87
TCEQ/USEPA	SS	7	7-8/12/2003-EPA/TCEQ	Whole Sediment	8/12/2003	--	--	--	--	97	60
TCEQ/USEPA	SS	4A	4A-8/12/2003-EPA/TCEQ	Whole Sediment	8/12/2003	--	--	--	--	77	0
TCEQ/USEPA	SS	6A	6A-8/12/2003-EPA/TCEQ	Whole Sediment	8/12/2003	--	--	--	--	20	0
TCEQ/USEPA	SS	R	R-8/12/2003-EPA/TCEQ	Whole Sediment	8/12/2003	--	--	--	--	93	80
TCEQ/USEPA	SS	3	3-8/31/2006-TCEQ	Whole Sediment	8/31/2006	--	--	--	--	10	0
TCEQ/USEPA	SS	4A	4A-8/31/2006-TCEQ	Whole Sediment	8/31/2006	--	--	--	--	93	0
TCEQ/USEPA	SS	6A	6A-8/31/2006-TCEQ	Whole Sediment	8/31/2006	--	--	--	--	100	67
PBLO	TMDL	2.5	2.5-9/5/2000	Whole Sediment	9/5/2000	87	88	--	--	--	--
PBLO	TMDL	5	5-9/5/2000	Whole Sediment	9/5/2000	99	76	--	--	--	--
PBLO	TMDL	4A	4a-9/5/2000	Whole Sediment	9/5/2000	86	88	--	--	--	--
PBLO	TMDL	6A	6a-9/5/2000	Whole Sediment	9/5/2000	24	100	--	--	--	--
PBLO	TMDL	Q	Q-9/5/2000	Whole Sediment	9/5/2000	77	92	--	--	--	--
PBLO	TMDL	R	R-9/5/2000	Whole Sediment	9/5/2000	84	72	--	--	--	--
PBLO	TMDL	S	S-9/5/2000	Whole Sediment	9/5/2000	96	84	--	--	--	--
PBLO	TMDL	V	V-9/5/2000	Whole Sediment	9/5/2000	98	64	--	--	--	--
PBLO	TMDL	3	3-9/6/2000	Whole Sediment	9/6/2000	73	100	--	--	--	--
PBLO	TMDL	7	7-9/6/2000	Whole Sediment	9/6/2000	5	100	--	--	--	--
PBLO	TMDL	E	E-9/6/2000	Whole Sediment	9/6/2000	100	80	--	--	--	--
PBLO	TMDL	G	G-9/6/2000	Whole Sediment	9/6/2000	100	84	--	--	--	--
PBLO	TMDL	U	U-9/6/2000	Whole Sediment	9/6/2000	95	84	--	--	--	--
PBLO	TMDL	Y	Y-9/6/2000	Whole Sediment	9/6/2000	0	0	--	--	--	--
PBLO	TMDL	2.5	2.5-4/23/2001	Whole Sediment	4/23/2001	83	92	--	--	--	--
PBLO	TMDL	E	E-4/23/2001	Whole Sediment	4/23/2001	55	96	--	--	--	--
PBLO	TMDL	V	V-4/23/2001	Whole Sediment	4/23/2001	76	92	--	--	--	--
PBLO	TMDL	3	3-4/24/2001	Whole Sediment	4/24/2001	0	84	--	--	--	--
PBLO	TMDL	5	5-4/24/2001	Whole Sediment	4/24/2001	0	92	--	--	--	--
PBLO	TMDL	4A	4A-4/24/2001	Whole Sediment	4/24/2001	6	68	--	--	--	--
PBLO	TMDL	G	G-4/24/2001	Whole Sediment	4/24/2001	89	36	--	--	--	--
PBLO	TMDL	S	S-4/24/2001	Whole Sediment	4/24/2001	63	84	--	--	--	--
PBLO	TMDL	U	U-4/24/2001	Whole Sediment	4/24/2001	79	68	--	--	--	--
PBLO	TMDL	6A	6A-4/25/2001	Whole Sediment	4/25/2001	0	60	--	--	--	--
PBLO	TMDL	Q	Q-4/25/2001	Whole Sediment	4/25/2001	4	80	--	--	--	--
PBLO	TMDL	7	7-4/26/2001	Whole Sediment	4/26/2001	88	80	--	--	--	--
PBLO	TMDL	R	R-4/26/2001	Whole Sediment	4/26/2001	75	68	--	--	--	--
PBLO	TMDL	Y	Y-4/26/2001	Whole Sediment	4/26/2001	91	84	--	--	--	--
PBLO	TMDL	3	3-8/12/2003	Whole Sediment	8/12/2003	95	--	86	31	96	82
PBLO	TMDL	7	7-8/12/2003	Whole Sediment	8/12/2003	91	--	96	51	90	68
PBLO	TMDL	4A	4A-8/12/2003	Whole Sediment	8/12/2003	30	--	70	1	44	0
PBLO	TMDL	6A	6A-8/12/2003	Whole Sediment	8/12/2003	31	--	38	0	22	0
PBLO	TMDL	R	R-8/12/2003	Whole Sediment	8/12/2003	98	--	90	65	80	76

Note:
-- No Testing Performed
TMDL - Total Maximum Daily Load
PBLO - Patrick Bayou Lead Organization
TCEQ - Texas Commission on Environmental Quality
USEPA - U.S. Environmental Protection Agency
SS - Special Study

Table 3-1
First-tier Sediment PCOPC Summary Statistics and Sediment Quality Benchmark Values

Chemical Class	Chemical[a]	N	Detects	Non-Detects	Minimum Detect	Maximum Detect	Average Detect	95th Percentile[e]	Minimum Non-Detect	Maximum Non-Detect	Mean	Benchmark Value	Secondary Effects Level	Midpoint Screening Value	95th Percentile Exceeds Midpoint Screening Value
Metals (mg/kg)	Arsenic	29	29	0	1.56	164	16.9	64.3	--	--	16.9	8.2	70	24.0	TRUE
	Cadmium	29	28	1	0.0907	1.84	0.851	1.685	0.113	0.113	0.824	1.2	9.6	3.39	FALSE
	Chromium	29	29	0	9.08	482	152	448.5	--	--	152	81	370	173	TRUE
	Copper	29	29	0	5.14	301	84.4	225.5	--	--	84.4	34	270	95.8	TRUE
	Lead	29	29	0	11.2	523	115	397	--	--	115	46.7	218	101	TRUE
	Mercury	29	29	0	0.017	162	18.0	125.95	--	--	18.0	0.15	0.71	0.326	TRUE
	Nickel	29	29	0	8.44	156	42.0	109	--	--	42.0	20.9	51.6	32.8	TRUE
	Silver	29	28	1	0.057	1.58	0.693	1.575	0.0205	0.0205	0.669	1	3.7	1.92	FALSE
	Zinc	29	29	0	16.5	1850	535	1645	--	--	535	150	410	248	TRUE
PAHs [b,c,d](µg/kg)	2-Methylnaphthalene	29	29	0	0.63	22900	1830	5750	--	--	1830	70	670	217	TRUE
	Acenaphthene	29	28	1	32	25900	3230	14515	1.25	1.25	3120	16	500	89.4	TRUE
	Acenaphthylene	29	28	1	11	31000	3480	14300	1.25	1.25	3360	44	640	168	TRUE
	Anthracene	29	28	1	43	22500	2690	10260	1.25	1.25	2600	85.3	1100	306	TRUE
	Benzo(a)anthracene	29	28	1	0.44	6790	1510	4505	330	330	1460	260	1600	645	TRUE
	Benzo(a)pyrene	29	28	1	0.43	5030	1510	4180	200	200	1460	430	1600	829	TRUE
	Benzo(b)fluoranthene	29	28	1	147	4610	1360	3895	1.25	1.25	1310	--	--	--	NA
	Benzo(e)pyrene	14	14	0	0.68	1000	415	1000	--	--	415	--	--	--	NA
	Benzo(g,h,i)perylene	29	29	0	0.5	13100	1960	6930	--	--	1960	--	--	--	NA
	Benzo(k)fluoranthene	29	28	1	130	4610	1260	3935	1.25	1.25	1210	--	--	--	NA
	Chrysene	29	29	0	0.8	7960	2070	5985	--	--	2070	384	2800	1040	TRUE
	Dibenzo(a,h)anthracene	29	26	3	20	4610	688	3255	1.25	200	624	63.4	260	128	TRUE
	Fluoranthene	29	29	0	0.9	11400	3830	8950	--	--	3830	600	5100	1750	TRUE
	Fluorene	29	29	0	0.3	32700	2970	9815	--	--	2970	19	540	101	TRUE
	Indeno(1,2,3-cd)pyrene	21	16	5	0.41	1300	480	1984	286	2305	533	--	--	--	NA
	Naphthalene	29	29	0	2	41500	4360	30250	--	--	4360	160	2100	580	TRUE
	Perylene	14	14	0	8.1	260	110	237.5	--	--	110	--	--	--	NA
	Phenanthrene	29	29	0	1.4	71500	7830	31400	--	--	7830	240	1500	600	TRUE
	Pyrene	29	29	0	1.1	41600	7470	17700	--	--	7470	665	2600	1310	TRUE
	Total HPAH	29	29	0	8.33	64389	18700	41672	--	--	18700	1700	9600	4040	TRUE
	Total LPAH	29	29	0	7.45	192200	22800	118100	--	--	22800	552	3160	1320	TRUE
	Total PAH 16	29	29	0	15.78	230683	41400	158509.5	--	--	41400	4020	44792	13400	TRUE
PCBs (µg/kg)	Aroclor 1248	29	28	1	78.8	150000	9570	21000	70	70	9250	22.7	180	63.9	TRUE
	Aroclor 1254	21	9	12	200	10000	2890	5830	70	4300	1470	22.7	180	63.9	TRUE
	Aroclor 1260	21	1	20	820	820	820	4170	65	5000	480	22.7	180	63.9	TRUE
	Total PCB Aroclors[e]	29	28	1	62.8	306980	21500	61550	140	140	20800	22.7	180	63.9	TRUE
	PCB congeners[e]	14	14	0	10.88	11526.73	4090	10634.01	--	--	4090000	--	181	181	TRUE
Pesticides (µg/kg)	alpha-Chlordane	29	15	14	2.97	87	38.6	1025	6.5	900	80.5	2.26	6	3.68	TRUE
	gamma-BHC (Lindane)	21	3	18	20	600	260	1125	5.65	900	119	0.32	4.99	1.26	TRUE
	gamma-Chlordane	29	20	9	30	380	67.0	1300	20	900	92.1	2.26	6	3.68	TRUE
	Sum DDD[e,f]	29	10	19	32.5	61.6	40.4	1025	10	900	83.5	1.22	20	4.94	TRUE
	Sum DDE[e,f]	29	16	13	3	640	63.9	1025	25	900	97.4	2.07	27	7.48	TRUE
	Sum DDT[e,f]	29	21	8	35	1150	227	1925	20	430	192	1.19	7	2.89	TRUE
	Total Chlordane[e]	29	21	8	21.68	810	106	1300	20	900	123	2.26	6	3.68	TRUE
	Total DDT[e,g]	29	25	4	40	4750	495	3366.5	330	430	452	1.58	46.1	8.53	TRUE
SVOCs (µg/kg)	bis(2-Ethylhexyl)phthalate	29	25	4	370	14400	4010	13950	200	1500	3520	182	2650	694	TRUE
	Hexachlorobutadiene	29	21	8	29	27200	7440	20825	13	1195	5420	20	12760	505	TRUE
	Hexachloroethane	29	22	7	84	4610	1620	4109	50	276.5	1240	180	13770	1570	TRUE

Table 3-1
First-tier Sediment PCOPC Summary Statistics and Sediment Quality Benchmark Values

Chemical Class	Chemical[a]	N	Detects	Non-Detects	Minimum Detect	Maximum Detect	Average Detect	95th Percentile[e]	Minimum Non-Detect	Maximum Non-Detect	Mean	Benchmark Value	Secondary Effects Level	Midpoint Screening Value	95th Percentile Exceeds Midpoint Screening Value
VOCs (µg/kg)	1,3-Dichlorobenzene	21	12	9	5.1	16100	1830	3180	3.2	2305	1170	320	1950	790	TRUE
	1,4-Dichlorobenzene	21	8	13	53	6610	1140	2305	3.2	2305	562	700	4210	1720	TRUE
	Benzene	28	10	18	0.89	1400	377	959.4	3.2	50	139	140	45010	2510	FALSE
	Chlorobenzene	28	16	12	0.24	1000	156	425.1	3.2	95	95.6	290	19870	2400	FALSE
	Ethylbenzene	28	14	14	1.1	3700	747	2285	3.55	50	377	650	3973	1610	TRUE
	Toluene	28	10	18	0.6	1100	192	252.05	3.2	50	73.7	940	5660	2310	FALSE
	Total xylene	15	3	12	267	1900	1028.33	1212.6	3	50	210	2540	7470	4360	FALSE

Notes:

a - Chemicals in this screening table are those considered first- or second-tier PCOPCs in the *Preliminary Contaminant of Potential Concern Selection* (Anchor 2007)

b - The LPAH benchmark is to be compared to the sum of the concentrations of the following compounds: naphthalene, acenaphthylene, acenaphthene, fluorene, phenanthrene, anthracene, and 2-methyl napthalene.

c - The HPAH benchmark is to be compared to the sum of the concentrations of the following compounds: fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(a)pyrene, and dibenzo [a,h]anthracene

d - The sum of concentrations of each low and high molecular weight PAH listed above and any other PAH compounds identified as PCOPC (n=19)

e - When benchmarks represent the sum of individual compounds, isomers, or groups of congeners, and the chemical analysis indicates an undetected value, 1/2 the detection limit is substituted as a proxy value

f - Includes sum of p,p' and o,p' isomers

g - Includes sum of DDD, DDE, and DDT.

* Sedment Quality Chronic Value is equal to Benchmark Values 9TCEQ 2006) and Second Effects Level (TCEQ 2006)

Table 3-2
Comparison of Non-toxic and Toxic Sediment PCOPC Concentration Distributions

Chemical Class	Chemical[a]	Non-toxic Samples[b]		Toxic Samples[c]		Toxic Samples 75th Percentile > 2 x Non-toxic Samples 75th Percentile
		N	75th Percentile[d,e]	N	75th Percentile[d,e]	
First-tier Sediment COPC						
Metals (mg/kg)	Arsenic	9	9.64	13	12.7	FALSE
	Cadmium	9	0.436	13	1.32	TRUE
	Chromium	9	73.9	13	359	TRUE
	Copper	9	65.3	13	99.5	FALSE
	Lead	9	39.8	13	193	TRUE
	Mercury	9	3.08	13	8.24	TRUE
	Nickel	9	30.3	13	61.7	TRUE
	Silver	9	0.468	13	1.05	TRUE
	Zinc	9	277	13	503	FALSE
PAHs (µg/kg)	2-Methylnaphthalene	9	301	12	928	TRUE
	Acenaphthene	9	472	13	2770	TRUE
	Acenaphthylene	9	1510	13	6160	TRUE
	Anthracene	9	427	13	5640	TRUE
	Benzo(a)anthracene	9	983	13	2730	TRUE
	Benzo(a)pyrene	9	1320	13	2300	FALSE
	Benzo(b)fluoranthene	9	1440	13	2060	FALSE
	Benzo(e)pyrene	--	--	--	--	NA
	Benzo(g,h,i)perylene	9	1120	13	1680	FALSE
	Benzo(k)fluoranthene	9	1310	13	2060	FALSE
	Chrysene	9	1670	13	3980	TRUE
	Dibenzo(a,h)anthracene	9	234	13	487	TRUE
	Fluoranthene	9	3540	13	6460	FALSE
	Fluorene	9	560	13	7630	TRUE
	Indeno(1,2,3-cd)pyrene	0	See Note f	1	See Note f	NA
	Naphthalene	9	652	13	2510	TRUE
	Perylene	--	--	--	--	NA
	Phenanthrene	9	2170	13	15300	TRUE
	Pyrene	9	4080	13	10000	TRUE
	Total HPAH 16	9	15800	12	36500	TRUE
	Total LPAH 16	9	5500	12	19400	TRUE
	Total PAH 16	9	18800	12	64200	TRUE
PCBs (µg/kg)	Aroclor 1248	9	399	11	4160	TRUE
	Aroclor 1254	0	See Note f	1	See Note f	NA
	Aroclor 1260	0	See Note f	1	See Note f	NA
	Total PCB	9	399	11	4160	TRUE
Pesticides (µg/kg)	alpha-Chlordane	9	20.0	10	20.0	FALSE
	gamma-BHC (Lindane)	0	See Note f	1	See Note f	NA
	gamma-Chlordane	9	20.0	10	19.9	FALSE
	Sum DDD	9	20.0	11	20.0	FALSE
	Sum DDE	9	7.24	11	17.3	TRUE
	Sum DDT	9	20.0	11	20.0	FALSE
	Total Chlordane	9	20.0	10	20.0	FALSE
	Total DDT	9	47.0	11	47.8	FALSE
SVOCs (µg/kg)	bis(2-Ethylhexyl)phthalate	9	1750	13	4630	TRUE
	Hexachlorobutadiene	9	17800	13	391	FALSE
	Hexachloroethane	9	2720	13	737	FALSE
VOCs (µg/kg)	1,3-Dichlorobenzene	9	1990	13	200	FALSE
	1,4-Dichlorobenzene	9	786	13	196	FALSE
	Benzene	9	4.05	13	129	TRUE
	Chlorobenzene	9	5.50	13	46.0	TRUE
	Ethylbenzene	9	4.05	13	153	TRUE
	Toluene	9	4.05	11	97.5	TRUE
	Total xylene	9	4.05	11	492	TRUE

Table 3-2
Comparison of Non-toxic and Toxic Sediment PCOPC Concentration Distributions

Chemical Class	Chemical[a]	Non-toxic Samples[b]		Toxic Samples[c]		Toxic Samples 75th Percentile > 2 x Non-toxic Samples 75th Percentile
		N	75th Percentile[d,e]	N	75th Percentile[d,e]	
Second-Tier COPC						
Conventionals	Ammonia	0	See Note f	2	See Note f	NA
Metals (mg/kg)	Barium	9	329	13	779	TRUE
	Iron	9	27600	13	20500	FALSE
	Selenium	9	1.18	13	1.06	FALSE
Dioxin/Furan (ng/kg)	2,3,7,8-TCDD TEQ-Fish	9	99.3	10	132	FALSE
Pesticides (µg/kg)	Aldrin	0	See Note f	1	See Note f	NA
	Endosulfan I	0	See Note f	1	See Note f	NA
	Endosulfan II	0	See Note f	1	See Note f	NA
	Heptachlor Epoxide	9	20.0	11	20.0	FALSE
	Endrin	0	See Note f	1	See Note f	NA
	Methoxychlor	0	See Note f	1	See Note f	NA
SVOCs (µg/kg)	2,4-Dinitrotoluene	9	204	13	330	FALSE
	2,6-Dinitrotoluene	9	330	13	200	FALSE
	2-Chloronaphthalene	9	204	12	190	FALSE
	4-Bromophenyl-phenylether	9	200	13	200	FALSE
	4-Chlorophenyl-phenylether	9	200	13	200	FALSE
	Azobenzene	9	200	10	200	FALSE
	Benzidine	9	204	13	776	TRUE
	bis(2-Chloroethoxy)methane	9	200	13	200	FALSE
	bis(2-Chloroethyl)ether	9	204	13	222	FALSE
	bis(2-Chloroisopropyl)ether	9	330	13	741	TRUE
	Butylbenzylphthalate	9	200	13	200	FALSE
	Diethylphthalate	9	204	13	254	FALSE
	Dimethylphthalate	9	200	13	200	FALSE
	Di-n-butylphthalate	9	196	13	196	FALSE
	Di-n-octylphthalate	9	48.7	13	160	TRUE
	Hexachlorobenzene	9	16100	13	683	FALSE
VOCs (µg/kg)	2-Butanone (MEK)	9	80.5	11	671	NA
	4-Isopropyltoluene	9	4.05	10	39.9	NA
	Carbon disulfide	9	4.05	10	39.5	NA
	Isopropylbenzene	9	4.05	10	2480	TRUE
	n-Butylbenzene	9	4.05	10	49.0	TRUE
	n-Propylbenzene	9	4.05	10	140	TRUE
	sec-Butylbenzene	9	4.05	10	77.5	TRUE
	tert-Butylbenzene	9	4.05	10	44.7	TRUE

Note:

a - Chemicals in this screening table are those considered first- or second-tier PCOPCs in the *Preliminary Contaminant of Potential Concern Selection* (Anchor 2007)

b - Defined as samples with >80% survival for all test speceis

c - Defined as samples with <80% for at least two species or survival < 40% for any one species (excepting *A. abdita*)

d - Non-detects included at one half the detection limit.

e - Based on assumed lognormal distribution.

f - 75th percentiles were not calculated for chemicals with less than five observations in any one toxicity class (e.g., non-toxic, toxic)

g - 75th percentiles were not calculated for chemicals with a frequency of detection less than 5%

NA - Not available; 75th percentile comparisons not evaluated due to insufficient data

Table 3-3
Sediment PCOPC Porewater Summary Statistics and Water Quality Criteria

Chemical Class	Chemical [a]	Chronic Water Quality Benchmark	N	Detects	Non-Detects	Minimum Detect	Maximum Detect	Average Detect	95 Percentile	Minimum Non-detect	Maximum Non-detect	95th Percentile > Chronic Water Quality Benchmark
Conventionals	Ammonia		10	10	0	2.30	21.0	7.44	14.6			NA
(mg/L)	Dissolved organic carbon		10	10	0	12.0	57.0	29.8	53.7			NA
	Sulfide	0.002	10	8	2	0.0600	5.20	1.03	2.69	0.100	0.100	TRUE
	Total organic carbon		10	10	0	19.0	496	96.3	227			NA
Mercury Speciation	Mercury (alkylatable ionic)		50	49	1	0.810	1070	86.4	426	0.0400	0.0400	NA
Dissolved (ng/L)	Mercury sulfide		50	47	3	0.222	12600	572	2520	-6.63	-0.262	NA
Metals	Arsenic	78	10	10	0	0.610	2.29	1.26	2.03			FALSE
Dissolved (µg/L)	Barium	25000	10	10	0	72.4	188	119	186			FALSE
	Chromium	103	10	10	0	0.250	3.01	1.36	2.65			FALSE
	Copper	3.6	10	10	0	0.460	1.33	0.878	1.28			FALSE
	Mercury	1100	50	50	0	3.33	13700	625	2850			TRUE
	Methyl Mercury	940	50	42	8	0.310	14.6	3.34	9.90	0.200	0.200	FALSE
	Nickel	13.1	10	10	0	3.36	52.6	11.1	28.5			TRUE
	Zinc	84.2	10	10	0	3.58	8.76	6.67	8.59			FALSE
PAHs (µg/L)	2-Methylnaphthalene	30	10	10	0	0.0680	1300	197	965			TRUE
	Acenaphthene	40.4	10	10	0	0.0530	1500	221	1070			TRUE
	Acenaphthylene		10	10	0	0.130	1000	150	725			NA
	Anthracene	0.18	10	10	0	0.0770	1400	204	977			TRUE
	Benzo(a)anthracene		10	10	0	0.0510	500	74.5	359			NA
	Benzo(a)pyrene		10	10	0	0.0680	310	44.3	210			NA
	Benzo(b)fluoranthene		10	10	0	0.0900	220	32.5	154			NA
	Benzo(e)pyrene		10	10	0	0.0690	140	21.1	101			NA
	Benzo(g,h,i)perylene		10	10	0	0.0730	140	21.2	102			NA
	Benzo(k)fluoranthene		10	4	6	0.0320	0.160	0.0753	0.732	0.0160	2.00	NA
	C1-Chrysenes		10	10	0	0.130	400	58.7	279			NA
	C1-Fluoranthene/Pyrene		10	10	0	0.270	2100	307	1470			NA
	C1-Fluorenes		10	10	0	0.170	1600	242	1170			NA
	C1-Naphthalenes		10	10	0	0.219	5600	828	4010			NA
	C1-Phenanthrenes/Anthracenes		10	10	0	0.110	2900	432	2090			NA
	C2-Chrysenes		10	10	0	0.0790	130	19.6	93.2			NA
	C2-Fluorenes		10	10	0	0.150	660	101	477			NA
	C2-Naphthalenes		10	10	0	0.300	2900	434	2090			NA
	C2-Phenanthrenes/Anthracenes		10	10	0	0.180	910	133	622			NA
	C3-Chrysenes		10	9	1	0.0670	28.0	4.90	19.8	0.100	0.100	NA
	C3-Fluorenes		10	10	0	0.360	480	82.1	388			NA
	C3-Naphthalenes		10	9	1	0.810	4300	732	3180	0.0400	0.0400	NA
	C3-Phenanthrenes/Anthracenes		10	10	0	0.200	410	61.8	276			NA
	C4-Chrysenes		10	2	8	0.0470	0.0780	0.0625	0.732	0.0400	2.00	NA
	C4-Naphthalenes		10	10	0	0.160	560	89.1	410			NA
	C4-Phenanthrenes/Anthracenes		10	10	0	0.230	200	31.4	140			NA
	Chrysene		10	10	0	0.0690	410	59.5	283			NA
	Dibenzo(a,h)anthracene		10	8	2	0.0120	19.0	3.90	15.5	0.0400	0.400	NA
	Fluoranthene	2.96	10	10	0	0.260	1300	192	925			TRUE
	Fluorene	50	10	9	1	0.0620	1400	229	998	0.0800	0.0800	TRUE
	Indeno(1,2,3-cd)pyrene		10	10	0	0.0160	120	18.0	86.5			NA
	Naphthalene	125	10	10	0	0.170	1700	260	1280			TRUE

Table 3-3
Sediment PCOPC Porewater Summary Statistics and Water Quality Criteria

Chemical Class	Chemical [a]	Chronic Water Quality Benchmark	N	Detects	Non-Detects	Minimum Detect	Maximum Detect	Average Detect	95 Percentile	Minimum Non-detect	Maximum Non-detect	95th Percentile > Chronic Water Quality Benchmark
PAHs (µg/L)	Perylene		10	7	3	0.0150	17.0	3.58	12.0	0.0400	0.400	NA
	Phenanthrene	4.6	10	10	0	0.0980	5600	810	3900			TRUE
	Pyrene	0.24	10	10	0	0.350	2700	392	1870			TRUE
	Total HPAH 16		10	10	0	0.780	5720	838				NA
	Total LPAH 16		10	10	0	1.600	12600	1680				NA
	Total PAH 16		10	10	0	1.600	18300	2450				NA
PCBs (µg/L)	Total PCB Congeners	0.03	10	10	0	1.560	7700	722				FALSE
Pesticides (µg/L)	2,4'-DDD		10	1	9	6.80	6.80	6.80	8.64	0.100	21.0	NA
	2,4'-DDE		10	1	9	0.140	0.140	0.140	3.64	0.100	15.0	NA
	2,4'-DDT		10	8	2	0.0870	42.0	6.02	15.8	0.100	0.200	NA
	4,4'-DDD	0.025	10	1	9	0.0760	0.0760	0.0760	2.34	0.100	5.00	TRUE
	4,4'-DDE	0.14	10	2	8	0.0430	2.00	1.02	1.62	0.100	2.50	TRUE
	4,4'-DDT	0.001	10	6	4	0.0850	7.60	1.43	7.31	0.130	25.0	TRUE
	Total DDT		10	9	1	0.405	76.3	11.8	46.0	0.710	0.710	NA
SVOCs (µg/L)	bis(2-Ethylhexyl)phthalate	300	10	10	0	1.00	180	51.2	161			FALSE
	Diethylphthalate	442	10	1	9	1.20	1.20	1.20	36.6	0.200	100.0	FALSE
	Dimethylphthalate	580	10	2	8	0.0900	0.210	0.150	36.6	0.200	100.0	FALSE
	Hexachlorobenzene	0.0003	10	10	0	0.210	82.0	8.93	19.1			TRUE
	Hexachlorobutadiene	0.32	10	3	7	0.470	0.840	0.617	1.75	0.200	13.0	TRUE
VOCs (µg/L)	1,2,4-Trimethylbenzene	217	5	1	4	1.20	1.20	1.20	1.00	2.00	2.00	FALSE
	1,2-Dichloroethane	5650	5	5	0	0.210	4.40	1.41	3.33			FALSE
	1,3,5-Trimethylbenzene	71	5	1	4	0.910	0.910	0.910	1.00	2.00	2.00	FALSE
	1,3-Dichlorobenzene	142	5	3	2	0.230	1.20	0.777	1.13	0.500	0.500	FALSE
	1,4-Dichlorobenzene	99	5	2	3	0.470	0.500	0.485	0.414	0.500	0.500	FALSE
	2-Chlorotoluene		5	1	4	0.210	0.210	0.210	1.00	2.00	2.00	NA
	4-Isopropyltoluene		5	1	4	0.270	0.270	0.270	1.00	2.00	2.00	NA
	4-Methyl-2-pentanone (MIBK)	61500	5	1	4	8.10	8.10	8.10	10.00	20.0	20.0	FALSE
	Benzene	109	5	5	0	0.240	120	24.3	40.9			FALSE
	Bromodichloromethane	2160	5	1	4	0.130	0.130	0.130	0.250	0.500	0.500	FALSE
	Carbon disulfide	105	5	5	0	0.160	0.860	0.472	0.792			FALSE
	Chlorobenzene	105	5	5	0	4.60	13.0	8.76	12.3			FALSE
	Chloroform	4100	5	1	4	0.210	0.210	0.210	0.250	0.500	0.500	FALSE
	Chloromethane	13500	5	3	2	0.190	0.490	0.340	0.455	0.500	0.500	FALSE
	cis-1,2-Dichloroethene	680	5	4	1	0.180	0.390	0.288	0.372	0.500	0.500	FALSE
	Dichloromethane	5420	5	3	2	0.230	0.670	0.440	1.00	2.00	2.00	FALSE
	Ethylbenzene		5	1	4	2.70	2.70	2.70	1.68	0.500	0.500	NA
	Isopropylbenzene	255	5	5	0	0.120	57.0	12.3	32.6			FALSE
	m,p-Xylenes	850	5	1	4	6.90	6.90	6.90	3.55	0.500	0.500	FALSE
	n-Butylbenzene	36	5	1	4	0.740	0.740	0.740	1.00	2.00	2.00	FALSE
	n-Propylbenzene	64	5	1	4	0.310	0.310	0.310	1.00	2.00	2.00	FALSE
	o-Xylene	850	5	1	4	10.00	10.00	10.00	4.78	0.500	0.500	FALSE
	tert-Butylbenzene	48	5	1	4	0.330	0.330	0.330	1.00	2.00	2.00	FALSE
	Tetrachloroethene	1450	5	1	4	0.360	0.360	0.360	0.335	0.500	0.500	FALSE
	Toluene	480	5	5	0	0.210	3.90	1.02	2.42			FALSE
	Trichloroethene	970	5	2	3	0.220	0.230	0.225	0.250	0.500	0.500	FALSE
	Vinyl chloride	2820	5	4	1	0.130	0.350	0.203	0.327	0.500	0.500	FALSE

Table 3-3
Sediment PCOPC Porewater Summary Statistics and Water Quality Criteria

Chemical Class	Chemical [a]	Chronic Water Quality Benchmark	N	Detects	Non-Detects	Minimum Detect	Maximum Detect	Average Detect	95 Percentile	Minimum Non-detect	Maximum Non-detect	95th Percentile > Chronic Water Quality Benchmark
Chemicals Not Detected in Porewater												
Metals	Cadmium	10	10	0	10	--	--	--	0.00600	0.0120	0.0120	FALSE
Dissolved (µg/L)	Lead	5.3	10	0	10	--	--	--	0.235	0.0640	0.619	FALSE
	Selenium	136	10	0	10	--	--	--	0.500	0.200	1.00	FALSE
	Silver	0.2	10	0	10	--	--	--	0.00400	0.00800	0.00800	FALSE
SVOCs (µg/L)	Butylbenzylphthalate	147	10	0	10	--	--	--	36.6	0.200	100.0	FALSE
	Di-n-butylphthalate	5	10	0	10	--	--	--	36.6	0.800	100.0	TRUE
	Di-n-octylphthalate		10	0	10	--	--	--	36.6	0.200	100.0	NA
VOCs (µg/L)	1,1,1,2-Tetrachloroethane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	1,1,1-Trichloroethane	1560	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,1,2,2-Tetrachloroethane	451	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,1,2-Trichloroethane	275	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,1-Dichloroethane	2570	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,1-Dichloroethene	12500	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,1-Dichloropropene		5	0	5	--	--	--	0.250	0.500	0.500	NA
	1,2,3-Trichlorobenzene		5	0	5	--	--	--	1.00	2.00	2.00	NA
	1,2,3-Trichloropropane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	1,2,4-Trichlorobenzene	22	5	0	5	--	--	--	1.00	2.00	2.00	FALSE
	1,2-Dibromo-3-chloropropane		5	0	5	--	--	--	1.00	2.00	2.00	NA
	1,2-Dibromoethane		5	0	5	--	--	--	1.00	2.00	2.00	NA
	1,2-Dichlorobenzene	99	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,2-Dichloropropane	2400	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	1,3-Dichloropropane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	2,2-Dichloropropane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	2-Butanone (MEK)	42400	5	0	5	--	--	--	10.00	20.0	20.0	FALSE
	2-Hexanone	6130	5	0	5	--	--	--	10.00	20.0	20.0	FALSE
	4-Chlorotoluene		5	0	5	--	--	--	1.00	2.00	2.00	NA
	Acetone	282000	5	0	5	--	--	--	10.00	20.0	20.0	FALSE
	Bromobenzene		5	0	5	--	--	--	1.00	2.00	2.00	NA
	Bromochloromethane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	Bromoform	1220	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	Bromomethane	600	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	Carbon tetrachloride	1500	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	Chloroethane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	cis-1,3-Dichloropropene	40	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	Dibromochloromethane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	Dibromomethane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	Dichlorodifluoromethane		5	0	5	--	--	--	0.250	0.500	0.500	NA
	sec-Butylbenzene	41	5	0	5	--	--	--	1.00	2.00	2.00	FALSE
	Styrene	455	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	trans-1,2-Dichloroethene	22000	5	0	5	--	--	--	0.250	0.500	0.500	FALSE
	trans-1,3-Dichloropropene		5	0	5	--	--	--	0.250	0.500	0.500	NA
	Trichlorofluoromethane	871	5	0	5	--	--	--	0.250	0.500	0.500	FALSE

Note:

a - Chemicals in this table are those analyzed for in the 2007 porewater sampling event (Anchor 2008).

NA - Not applicable, no chronic water quality benchmark identified.

Chronic water quality benchmarks were identified using the following hierarchy of sources:

1. TCEQ Ecological Benchmarks for Marine Water listed in *Update to Guidance for conducting ecological risk assessments at remediation sites in Texas* (TCEQ 2006).
2. For chemicals that did not have a specified marine benchmark, the Texas Saltwater Chronic Criteria (30 Texas Administrative Code §307.6) were used.
3. Finally, the NRWQC Saltwater CCC (USEPA 2006) were used.

Table 3-4
Summary of Aquatic Receptor COPC Lines of Evidence and COPC Status

Chemical Class	Chemical	Aquatic Receptors			
		Sediment 95th Percentile Exceeds Midpoint Screening Value	75th Percentile of Toxic Sediments Substantially Greater than Non-Toxic	Porewater 95th Percentile Exceeds Chronic WQ Benchmark	COPC
First-Tier Sediment PCOPC					
Metals	Arsenic	TRUE	FALSE	FALSE	TRUE
	Cadmium	FALSE	TRUE	FALSE	TRUE
	Chromium	TRUE	TRUE	FALSE	TRUE
	Copper	TRUE	FALSE	FALSE	TRUE
	Lead	TRUE	TRUE	FALSE	TRUE
	Mercury	TRUE	TRUE	TRUE	TRUE
	Nickel	TRUE	TRUE	TRUE	TRUE
	Silver	FALSE	TRUE	FALSE	TRUE
	Zinc	TRUE	FALSE	FALSE	TRUE
PAHs [b]	2-Methylnaphthalene	TRUE	TRUE	TRUE	TRUE
	Acenaphthene	TRUE	TRUE	TRUE	TRUE
	Acenaphthylene	TRUE	TRUE	NA	TRUE
	Anthracene	TRUE	TRUE	TRUE	TRUE
	Benzo(a)anthracene	TRUE	TRUE	NA	TRUE
	Benzo(a)pyrene	TRUE	FALSE	NA	TRUE
	Benzo(b)fluoranthene	NA	FALSE	NA	FALSE
	Benzo(e)pyrene	NA	NA	NA	UNCERTAIN
	Benzo(g,h,i)perylene	NA	FALSE	NA	FALSE
	Benzo(k)fluoranthene	NA	FALSE	NA	FALSE
	Chrysene	TRUE	TRUE	NA	TRUE
	Dibenzo(a,h)anthracene	TRUE	TRUE	NA	TRUE
	Fluoranthene	TRUE	FALSE	TRUE	TRUE
	Fluorene	TRUE	TRUE	TRUE	TRUE
	Indeno(1,2,3-cd)pyrene	NA	NA	NA	UNCERTAIN
	Naphthalene	TRUE	TRUE	TRUE	TRUE
	Perylene	NA	NA	NA	UNCERTAIN
	Phenanthrene	TRUE	TRUE	TRUE	TRUE
	Pyrene	TRUE	TRUE	TRUE	TRUE
	Total HPAH 16 standard	TRUE	TRUE	NA	TRUE
	Total LPAH 16 standard	TRUE	TRUE	NA	TRUE
	Total PAH 16 standard	TRUE	TRUE	NA	TRUE
PCBs	Aroclor 1248	TRUE	TRUE	--	TRUE
	Aroclor 1254	TRUE	NA	--	TRUE
	Aroclor 1260	TRUE	NA	--	TRUE
	Total PCB (U=1/2)	TRUE	TRUE	--	TRUE
	PCB Congeners	TRUE	NA	FALSE	TRUE
Pesticides	alpha-Chlordane	TRUE	FALSE	--	TRUE
	gamma-BHC (Lindane)	TRUE	NA	--	TRUE
	gamma-Chlordane	TRUE	FALSE	--	TRUE
	Heptachlor Epoxide	NA	FALSE	--	FALSE
	Sum DDD	TRUE	FALSE	TRUE	TRUE
	Sum DDE	TRUE	TRUE	TRUE	TRUE
	Sum DDT	TRUE	FALSE	TRUE	TRUE
	Total Chlordane (a & g)	TRUE	FALSE	--	TRUE
	Total DDT	TRUE	FALSE	NA	TRUE
SVOCs	bis(2-Ethylhexyl)phthalate	TRUE	TRUE	FALSE	TRUE
	Hexachlorobutadiene	TRUE	FALSE	TRUE	TRUE
	Hexachloroethane	TRUE	FALSE	--	TRUE

Table 3-4
Summary of Aquatic Receptor COPC Lines of Evidence and COPC Status

Chemical Class	Chemical	Aquatic Receptors			
		Sediment 95th Percentile Exceeds Midpoint Screening Value	75th Percentile of Toxic Sediments Substantially Greater than Non-Toxic	Porewater 95th Percentile Exceeds Chronic WQ Benchmark	COPC
VOCs	1,3-Dichlorobenzene	TRUE	FALSE	FALSE	TRUE
	1,4-Dichlorobenzene	TRUE	FALSE	FALSE	TRUE
	Benzene	FALSE	TRUE	FALSE	TRUE
	Chlorobenzene	FALSE	TRUE	FALSE	TRUE
	Ethylbenzene	TRUE	TRUE	NA	TRUE
	Toluene	FALSE	TRUE	FALSE	TRUE
	Total xylene	FALSE	TRUE	FALSE	TRUE
Second-Tier Sediment PCOPC					
Conventionals	Ammonia	NA	NA	NA	UNCERTAIN
Dioxin/Furans	2,3,7,8-TCDD TEQ	NA	FALSE	--	TRUE*
Metals	Barium	NA	TRUE	FALSE	TRUE
	Iron	NA	FALSE	--	FALSE
	Selenium	NA	FALSE	FALSE	FALSE
Pesticides	Aldrin	NA	NA	--	UNCERTAIN
	Endosulfan I	NA	NA	--	UNCERTAIN
	Endosulfan II	NA	NA	--	UNCERTAIN
	Endrin	NA	NA	--	UNCERTAIN
	Methoxychlor	NA	NA	--	UNCERTAIN
SVOCs	2,4-Dinitrotoluene	NA	FALSE	--	FALSE
	2,6-Dinitrotoluene	NA	FALSE	--	FALSE
	2-Chloronaphthalene	NA	FALSE	--	FALSE
	4-Bromophenyl-phenylether	NA	FALSE	--	FALSE
	4-Chlorophenyl-phenylether	NA	FALSE	--	FALSE
	Azobenzene	NA	FALSE	--	FALSE
	Benzidine	NA	TRUE	--	TRUE
	bis(2-Chloroethoxy)methane	NA	FALSE	--	FALSE
	bis(2-Chloroethyl)ether	NA	FALSE	--	FALSE
	bis(2-Chloroisopropyl)ether	NA	TRUE	--	TRUE
	Butylbenzylphthalate	NA	FALSE	--	FALSE
SVOCs	Diethylphthalate	NA	FALSE	FALSE	FALSE
	Dimethylphthalate	NA	FALSE	FALSE	FALSE
	Di-n-butylphthalate	NA	FALSE	--	FALSE
	Di-n-octylphthalate	NA	TRUE	--	TRUE
	Hexachlorobenzene	NA	FALSE	TRUE	TRUE
VOCs	2-Butanone (MEK)	NA	NA	FALSE	FALSE
	4-Isopropyltoluene	NA	NA	NA	UNCERTAIN
	Carbon disulfide	NA	NA	FALSE	FALSE
	Isopropylbenzene	NA	TRUE	FALSE	TRUE
	n-Butylbenzene	NA	TRUE	FALSE	TRUE
	n-Propylbenzene	NA	TRUE	FALSE	TRUE
	sec-Butylbenzene	NA	TRUE	FALSE	TRUE
	tert-Butylbenzene	NA	TRUE	FALSE	TRUE

COPC Decision Rule

FALSE - Did not exceed any lines of evidence

UNCERTAIN - No lines of evidence available to evaluate PCOPC

TRUE - Exceeded at least one or more lines of evidence

NA - Line of evidence not available due to lack of benchmark values (i.e. SQ_{CSV}) or site-specific data (i.e. 75th percentile evaluation)

'--' Chemical not analyzed in pore water

* Selected as a COPC for fish based on professional judgment

Table 3-5
Summary of Aquatic Plant COPC Selection and Status

Chemical Class	Chemical	Aquatic Plants	
		Porewater 95th percentile exceeds Lowest Chronic Value[a]	COPC
First-Tier Sediment PCOPC			
Metals	Arsenic	FALSE	FALSE
	Cadmium	FALSE	FALSE
	Chromium	FALSE	FALSE
	Copper	TRUE	TRUE
	Lead	FALSE	FALSE
	Mercury	TRUE	TRUE
	Nickel	TRUE	TRUE
	Silver	FALSE	FALSE
	Zinc	FALSE	FALSE
PAHs [b]	2-Methylnaphthalene	NA	NA
	Acenaphthene	TRUE	TRUE
	Acenaphthylene	NA	NA
	Anthracene	NA	NA
	Benzo(a)anthracene	NA	NA
	Benzo(a)pyrene	NA	NA
	Benzo(b)fluoranthene	NA	NA
	Benzo(e)pyrene	NA	NA
	Benzo(g,h,i)perylene	NA	NA
	Benzo(k)fluoranthene	NA	NA
	Chrysene	NA	NA
	Dibenzo(a,h)anthracene	NA	NA
	Fluoranthene	FALSE	FALSE
	Fluorene	NA	NA
	Indeno(1,2,3-cd)pyrene	NA	NA
	Naphthalene	FALSE	FALSE
	Perylene	NA	NA
	Phenanthrene	NA	NA
	Pyrene	NA	NA
	Total HPAH 16 standard	NA	NA
	Total LPAH 16 standard	NA	NA
	Total PAH 16 standard	NA	NA
PCBs	Aroclor 1248	--	NA
	Aroclor 1254	--	NA
	Aroclor 1260	--	NA
	Total PCB (U=1/2)	--	NA
	PCB Congeners	TRUE	TRUE
Pesticides	alpha-Chlordane	--	NA
	gamma-BHC (Lindane)	--	NA
	gamma-Chlordane	--	NA
	Heptachlor Epoxide	--	NA
	Sum DDD	NA	NA
	Sum DDE	NA	NA
	Sum DDT	TRUE	TRUE
	Total Chlordane (a & g)	--	NA
	Total DDT	TRUE	TRUE
SVOCs	bis(2-Ethylhexyl)phthalate	NA	NA
	Hexachlorobutadiene	NA	NA
	Hexachloroethane	--	NA

Table 3-5
Summary of Aquatic Plant COPC Selection and Status

Chemical Class	Chemical	Aquatic Plants	
		Porewater 95th percentile exceeds Lowest Chronic Value[a]	COPC
VOCs	1,3-Dichlorobenzene	FALSE	FALSE
	1,4-Dichlorobenzene	FALSE	FALSE
	Benzene	FALSE	FALSE
	Chlorobenzene	FALSE	FALSE
	Ethylbenzene	FALSE	FALSE
	Toluene	FALSE	FALSE
	Total xylene (sum m-, p- o- isomers)	NA	NA
Second-Tier Sediment PCOPC			
Conventionals	Ammonia	NA	NA
Diox/Fur	2,3,7,8-TCDD TEQ	--	NA
Metals	Barium	FALSE	FALSE
	Iron	--	NA
	Selenium	FALSE	FALSE
Pesticides	Aldrin	--	NA
	Endosulfan I	--	NA
	Endosulfan II	--	NA
	Endrin	--	NA
	Methoxychlor	--	NA
SVOCs	2,4-Dinitrotoluene	--	NA
	2,6-Dinitrotoluene	--	NA
	2-Chloronaphthalene	--	NA
	4-Bromophenyl-phenylether	--	NA
	4-Chlorophenyl-phenylether	--	NA
	Azobenzene	--	NA
	Benzidine	--	NA
	bis(2-Chloroethoxy)methane	--	NA
	bis(2-Chloroethyl)ether	--	NA
	bis(2-Chloroisopropyl)ether	--	NA
	Butylbenzylphthalate	FALSE	FALSE
	Diethylphthalate	FALSE	FALSE
	Dimethylphthalate	NA	NA
	Di-n-butylphthalate	FALSE	FALSE
	Di-n-octylphthalate	FALSE	FALSE
	Hexachlorobenzene	FALSE	FALSE
VOCs	2-Butanone (MEK)	FALSE	FALSE
	4-Isopropyltoluene	FALSE	FALSE
	Carbon disulfide	NA	NA
	Isopropylbenzene	TRUE	TRUE
	n-Butylbenzene	FALSE	FALSE
	n-Propylbenzene	FALSE	FALSE
	sec-Butylbenzene	FALSE	FALSE
	tert-Butylbenzene	FALSE	FALSE

Note:

a - Lowest Chronic Value for aquatic plants (Suter and Tsao 1996)

NA - Not assessed, no benchmark available or not analyzed in porewater.

'--' Chemical not analyzed in porewater

Table 4-1
Summary of Threatened, Endangered, and Rare Federal and State Listed Species Potentially Occurring in Harris County, Texas

Species	Status Federal /State	Habitat Requirements	Foraging Requirements	Diet	Residency Status in Harris County, TX	Site Usage	Sources	Comments
Amphibians								
Houston toad (*Bufo houstonensis*)	LE/E	Terrestrial; Deep, sandy soil; pine or oak woodland or Savannah, with native bunchgrasses and forbs in open areas; still or flowing waters		Insects and other invertebrates	Resident	Unlikely	Campbell 2003	Suitable upland habitat not present
Birds								
American Peregrine Falcon (*Falco peregrinus anatum*)	DL/E	Coasts, mountains, and canyons; a suitable high cliff ledge;	Adjacent to water courses and impoundments	Birds	Migratory	Unlikely	Campbell 2003	Suitable upland habitat not present
Arctic Peregrine Falcon (*Falco peregrinus tundrius*)	DL/T	Coasts, mountains, and canyons; a suitable high cliff ledge;	Adjacent to water courses and impoundments	Birds	Winter guest	Unlikely	Campbell 2003	Suitable upland habitat not present
Bald Eagle (*Haliaeetus leucocephalus*)	DL/T	Areas along river systems, reservoirs or lake shores with large, tall (40-120 ft.) trees; nest primarily in loblolly pine	Open water or wetland areas within ~ 1 mile of nesting habitat	Fish; birds; waterfowl; turtles; small mammals; carrion	Resident	Rare, Incidental	Campbell 2003	Potential incidental foraging. Prefers large bodies of water and rarely found at small ponds or streams. Suitable cover for nesting is absent
Brown Pelican (*Pelecanus occidentalis*)	LE-PDL/E	Small, isolated coastal islands; mangrove trees or other woody vegetation	Marine bodies of water	Menhaden and Mullet	Migratory	Potential	Campbell 2003	Potential foraging and loafing habitat present; breeding and nesting unlikely
Red-cockaded Woodpecker (*Picoides borealis*)	LE/E	Mature pine forests (60+ years); prefers longleaf, shortleaf, and loblolly pines	Pine stands with trees ≥ 10” in diameter at 4.5’ above the ground.	Insects; small fruits; seeds	Resident	Unlikely	Campbell 2003	Suitable upland habitat not present

Table 4-1
Summary of Threatened, Endangered, and Rare Federal and State Listed Species Potentially Occurring in Harris County, Texas

Species	Status Federal /State	Habitat Requirements	Foraging Requirements	Diet	Residency Status in Harris County, TX	Site Usage	Sources	Comments
White-faced Ibis (*Plegadis chihi*)	--/T	Marshes, swamps, ponds and rivers, mostly in freshwater habitats; low platforms of dead reed stems or on mud banks	Emergent vegetation	Crayfishes; frogs; fishes; insects; newts; earthworms; crustaceans	Migratory	Unlikely	NatureServe 2008	Suitable freshwater habitat not present
White-tailed Hawk (*Buteo albicaudatus*)	--/T	Near coast on prairies, cordgrass flats, and scrub-live oak		Opportunistic; eats various vertebrates/ invertebrates	Resident	Unlikely	NatureServe 2008; TPWD	Suitable upland habitat not present
Whooping crane (*Grus americana*)	LE/E	Marshes and salt flats; outer marsh – salt grass, saltwort, smooth cordgrass, glasswort, and sea ox-eye; inner portion - oak mottes, grassland, swales, and ponds on gently rolling sandy soils.	Brackish bays, marshes, and salt flats	Blue crabs; clams; and the fruits of Wolfberry	Winter guest	Unlikely	Campbell 2003	Avoid areas of human disturbance; suitable marsh habitat limited to absent
Wood Stork (*Mycteria americana*)	--/T	Chiefly freshwater situations: marshes, swamps, lagoons, ponds, flooded fields; brackish wetlands	Shallow water (about 15-50 cm deep) and flooded fields	Fishes (> 3.5 cm long); other small animals	Non-breeding migrant	Unlikely	NatureServe 2008r; TPWD	Incidental foraging may occur in the area during post-breeding summer dispersal.
Fishes								
Creek chubsucker (*Erimyzon oblongus*)	--/T	Small rivers and creeks of various types; sand- and gravel-bottomed pools of clear headwaters, creeks, and small rivers; often near vegetation		Algae; small invertebrates	Resident	Unlikely	NatureServe 2008; TPWD	Freshwater habitat absent at Site
Mammals								
Louisiana black bear (*Ursus americanus luteolus*)	LT/T	Primarily in bottomland hardwoods and floodplain forests, but also upland hardwoods, mixed pine/hardwoods, coastal flatwoods, and marshes		Acorn; pecan; berry; carrion; persimmons; palmetto; insect;	Incidental	Unlikely	Campbell 2003	Suitable upland habitat not present
Rafinesque's big-eared bat	--/T	Hollow trees; crevices behind bark; under dry leaves;		Moths, mosquitoes;	Resident	Unlikely	TPWD	Suitable upland habitat not

Table 4-1
Summary of Threatened, Endangered, and Rare Federal and State Listed Species Potentially Occurring in Harris County, Texas

Species	Status Federal /State	Habitat Requirements	Foraging Requirements	Diet	Residency Status in Harris County, TX	Site Usage	Sources	Comments
(*Corynorhinus rafinesquii*)		abandoned man-made structures		beetles; flies				present
Red wolf (*Canis rufus*)	LE/E	Inhabited brushy and forested areas, as well as the coastal prairies		Rabbits; deer; rats; prairie chickens; mice; fish; crabs	Resident (extinct)	Unlikely	TPWD	Suitable upland habitat not present
Reptiles								
Alligator snapping turtle (*Macrochelys temminckii*)	--/T	Slow moving, deep water of rivers, sloughs, oxbows, and canals; swamps, bayous, and ponds near rivers; sometimes enters brackish waters near river mouths; water with mud bottom and heavy aquatic vegetation but may use sand-bottomed creeks		Various aquatic animals, vertebrate and invertebrate; carrion; plant material	Resident	Potential	NatureServe 2008; TPWD	Inadequate toxicological data available
Green sea turtle (*Chelonia mydas*)	LT/T	Gulf and bay system; shallow water seagrass beds; open water between feeding and nesting areas; barrier island beaches	Shallow water areas with abundant seagrasses or algae	Seagrasses and algae; small amounts of animal foods - sponges, crustaceans, sea urchins, and mollusks	Incidental	Unlikely	NatureServe 2008; TPWD	A study of sea turtle distribution in the Galveston Bay system from 1980-1991 did not indicate any individuals were recorded above Morgan Point which is approximately 12 miles downstream of Patrick Bayou (Caillouet et al.1991). See Preliminary Site Characterizatio n Report (Anchor 2006)
Leatherback sea turtle (*Dermochelys coriacea*)	LE/E	Upper reaches of open ocean; often near edge of continental shelf; also seas, gulfs, bays, and estuaries; moves into coastal waters only during reproductive season	Upwelling areas; areas where ocean currents converge	Pelagic invertebrates – jellyfish and tunicates; squid; fish; crustaceans; algae; floating seaweed	Incidental	Unlikely	NatureServe 2008; TPWD	
Loggerhead sea turtle (*Caretta caretta*)	LT/T	Open sea to more than 500 miles from shore, mostly over continental shelf; brackish waters of coastal lagoons; river mouths; tropical and temperate waters above 50		Herbivore; Invertivore; Piscivore	Incidental	Unlikely	NatureServe 2008; TPWD	

Table 4-1
Summary of Threatened, Endangered, and Rare Federal and State Listed Species Potentially Occurring in Harris County, Texas

Species	Status Federal /State	Habitat Requirements	Foraging Requirements	Diet	Residency Status in Harris County, TX	Site Usage	Sources	Comments
		degrees Fahrenheit						for more information.
Kemp's Ridley sea turtle (*Lepidochelys kempii*)	LE/E	Hatchlings are pelagic, offshore drifters. Juveniles may utilize shallow bays and lagoons. Adults are generally found in nearshore waters of the Gulf of Mexico	Juveniles tend to forage in waters > 3 ft deep, depending on size. Preferential use of seagrass beds for foraging	Crabs, shrimp, snails, bivalves, sea urchins, jellyfish, sea stars, fish, and occasionally marine plants	Incidental	Unlikely	Campbell 2003	
Smooth green snake (*Liochlorophis vernalis*)	--/T	Meadows; grassy marshes; moist grassy fields at forest edges; mountain shrublands; stream borders; bogs; open moist woodland; abandoned farmland		Small terrestrial invertebrates (caterpillars, crickets, grasshoppers, spiders)	Resident	Unlikely	NatureServe 2008; TPWD	Suitable upland habitat not present
Texas horned lizard (*Phrynosoma cornutum*)	--/T	Open arid and semiarid regions with sparse vegetation (deserts, prairies, playa edges, bajadas, dunes, foothills) with grass, cactus, or scattered brush or scrubby trees; soil varies from sandy to rocky		Mainly ants; other small insects	Resident	Unlikely	NatureServe 2008; TPWD	Suitable upland habitat not present
Timber/Canebrake rattlesnake (*Crotalus horridus*)	--/T	Moist lowland forests and hilly woodlands or thickets near permanent water sources; preferred habitat is "hardwood forests found in river bottoms"; swampy areas and floodplains; wet pine flatwoods; river bottoms and hydric hammocks; hardwood forests and cane fields of alluvial plain and hill country		Rabbits; squirrels; rats; mice; occasionally birds; other snakes; lizards; frogs	Resident	Unlikely	NatureServe 2008; TPWD	Suitable upland habitat not present

Table 4-1
Summary of Threatened, Endangered, and Rare Federal and State Listed Species Potentially Occurring in Harris County, Texas

Species	Status Federal /State	Habitat Requirements	Foraging Requirements	Diet	Residency Status in Harris County, TX	Site Usage	Sources	Comments
Plants								
Texas prairie dawn (*Hymenoxys texana*)	LE/E	Sparsely vegetated areas ("slick spots") at the base of mima mounds; nearly barren areas on slightly saline soils in coastal prairie grasslands			Resident	Unlikely	TPWD	Suitable upland habitat not present

Status Key:
LE, LT - Federally Listed Endangered/Threatened
PE, PT - Federally Proposed Endangered/Threatened
DL, PDL - Federally Delisted/Proposed for Delisting
E, T - State Listed Endangered/Threatened
-- Not Listed
Species list developed from http://www.tpwd.state.tx.us/landwater/land/maps/gis/ris/endangered_species/ and personal communication with Andy Tirpak (TWPD)
TPWD – Texas Parks and Wildlife Department
Sources: NatureServe 2008. http://www.natureserve.org/explorer
Campbell, Linda. 2003. Endangered and Threatened Animals of Texas. Texas Parks and Wildlife Department. Wildlife Division. Austin, Texas.

Table 4-2
Deterministic Total Daily Intake Model Parameters for Aquatic Dependent Wildlife

Parameter	Receptor Group: Receptor: Units	Piscivorous Birds Belted Kingfisher	Sediment-probing birds Spotted Sandpiper	Carnivorous Birds Great Blue Heron	Ominivorous Mammals Racoon	Carnivorous Mammals River Otter	Carnivorous Mammals Mink	Brown Pelican Double-crested cormorant
Body weight	g	136 a	42.5 a	2229 a	3990 a	7430 a	852 a	2300 l
AE_{fish}	unitless	0.62 c	NA	0.61 c	0.83 c	0.84 c	0.84 c	0.62 c
$AE_{invertebrates}$	unitless	NA	0.61 c	NA		NA	NA	0.61 c
GE_{fish}	$kcal/kg_{fish}$	850 d	NA	850 d	850 f	850 d	850 d	850 d
$GE_{invertebrates}$	$kcal/kg_{inverts}$	NA	750 d	NA	NA	NA	NA	750 d
a	unitless	14.25 n	8.13 o	14.25 n	6.03 p	2.23 q	2.23 q	14.25 j
b	unitless	0.659 n	0.77 o	0.659 n	0.678 p	0.85 q	0.85 q	0.659 j
FMR (Average Size Receptor)	kcal/day/kg BW	637.4980675	819.9018525	245.6462321	99.7711127	139.9127578	193.6153118	243.0336718
$C_{sediment,DW}$	**mg/kg**	**chemical specific**	**chemical specific**	**chemical specific**	chemical specific	chemical specific	chemical specific	chemical specific
BSAF	unitless	chemical specific	chemical specific	chemical specific	chemical specific	chemical specific	chemical specific	chemical specific
P_{diet}	unitless	100% Group 1 & 2 Fish b	Group 1 Invertebrates b	Group 1 & 2 Fish c	Group 1 Fish b	50% Group 1 / 50% Group 4 Fish b	50% Group 1 / 50% Group 4 Fish b	90% Group 1, 2 and 3 fish and 10% class 1 invertebrates m
$P_{sediment}$	unitless	NA	0.3 e	NA	0.094 f	0.013 g,h	0.013 g	0.01 k
Solids content of sediment	%	NA	63 i	NA	63 i	63 i	63 i	63 i
$IR_{sediment,DW}$	$kg_{sediment\ DW}$/kg BW/day	NA	0.339	NA	0.008	0.0016	0.0022	0.0029

Notes

a - Average for adults (both sexes) (cited in USEPA 1993)

b - CDM. 2002. Calcasieu Estuary Remedial Investigation / Feasibility Study (RI/FS): Baseline Ecological Risk Assessment. Appendix G: Deterministic Ecological Risk Assessment for Aquatic and Wildlife Receptors

c - See AE and GE derivation worksheet

d - See AE and GE derivation worksheet

e - USEPA. 1993. Semi-palmated sandpiper value used as surrogate

f - Based on empirical data (Beyer et al. 1994)

g - Based on percent sand in mink scat (Hamilton 1940)

h - Mink value used as surrogate

i - Average solids content of surface sediment in Patrick Bayou

j - Power (b) and slope (a) terms for marine birds (Nagy 1999)

k - professional judgment used, pelicans feed from top 1m (3.3 feet) of water

l - Double crested cormorant used as surrogate, Mean adult/juvenile, male/female from East Texas

m - Fish portion from Campo et al 1993, as cited in Cal EPA Ecotox database http://www.oehha.org/cal_ecotox/species_reports.htm , invertebrates portion professional judgment

n - Power (b) and slope (a) terms for marine birds (Nagy 1999)

o - Power (b) and slope (a) terms for Charadriiformes (Nagy 1999)

p - Power (b) and slope (a) terms for omnivores (Nagy 1999)

q - Power (b) and slope (a) terms for carnivores (Nagy 1999)

NA - not applicable

Table 4-3
Derivation of Gross Energy and Assimilation Efficiency Parameters

Gross Energy of Invertebrates (GE)

Receptor		Average	Standard Deviation	5th Percentile	Distribution	Basis[a]
Sediment probing bird	Aquatic invertebrates	1070	220	750	Lognormal	Gross energies of shrimp, isopods, and crabs, which are dietary food items consumed by sediment-probing birds, were available from the literature. The gross energies of these organisms were reported as follows: shrimp = 1,100 Kcal/kg (standard deviation = 240; Thayer et al. 1973), isopods/amphipods = 1,100 Kcal/kg (Jorgensen et al. 1991), and crabs = 1,000 Kcal/kg (standard deviation = 210; Thayer et al. 1973). For benthic invertebrates consumed by sediment-probing birds, the mean gross energy was set to 1,070 Kcal/kg (standard deviation = 220)
Carnivorous bird	Fish	1200	240	850	Lognormal	The gross energy of fish is equal to 1,200 Kcal/kg (standard deviation = 240; Thayer *et al*. 1973). The distribution for this variable was assumed to be lognormal.
Piscivorous bird	Fish	1200	240	850	Lognormal	The gross energy of fish is equal to 1,200 Kcal/kg (standard deviation = 240; Thayer *et al*. 1973). The distribution for this variable was assumed to be lognormal.
Omnivorous mammal	Fish	1200	240	850	Lognormal	Gross energies of fish and invertebrates, which are dietary food items consumed by omnivorous mammals, were available from the literature. The gross energies of these organisms were reported as follows: bony fish = 1200 kcal/kg (SD = 240; Thayer et al. 1973); bivalves = 800 Kcal/kg (estimated SD = 160; Cummins and Wuycheck 1971), crabs = 1000 Kcal/kg (SD = 210; Thayer et al. 1973), and shrimp (1100 Kcal/kg (SD = 240; Cummins and Wuycheck 1971). For aquatic invertebrates consumed by omnivorous mammals, the mean gross energy was set to 967 Kcal/kg (estimated standard deviation = 193) in the Monte Carlo analysis. The distribution for this variable was assumed to be lognormal.
	Aquatic invertebrates	967	193	685	Lognormal	
Piscivorous mammal	Fish	1200	240	850	Lognormal	Gross energies of fish and invertebrates, which are dietary food items consumed by piscivorus mammals, were available from the literature. The gross energies of these organisms were reported as follows: fish = 1200 Kcal/kg (standard deviation = 240; Thayer *et al*. 1973); crabs = 1000 Kcal/kg (standard deviation = 210; Thayer *et al*. 1973); and, shrimp = 1100 Kcal/kg (standard deviation = 240; Cummins and Wuycheck 1971). For aquatic invertebrates consumed by piscivorus mammals, the mean gross energy was set to 1050 Kcal/kg (standard deviation = 225) in the Monte Carlo analysis. For fish, the distribution parameters measured by Thayer *et al*. (1973) were used. The distribution for these variables was assumed to be lognormal.
	Aquatic invertebrates	1050	225	725	Lognormal	

Assimilation Efficiency (AE)

Receptor		Average	Standard Deviation	5th Percentile	Distribution	Basis[a]
Sediment probing bird	Aquatic invertebrates	77%	8.40%	61%	Beta	Assimilation efficiencies of waterfowl consuming aquatic invertebrates studied by Karasov (1990). A beta distribution was assumed for this variable with the following paramterization: alpha=20, beta=6.5, and scale=1.0. This parameterization results in a distribution with a mean close to 77% and a 95% probability that the assimilation efficiency will be between 58 and 90%, which would be expected given a standard deviation of 8.4 and slightly left-skewed distribution. Assimilation efficiency is easily measured and several studies indicate that efficiencies vary little between different bird species consuming fish or aquatic invertebrates (USEPA 1993).
Carnivorous bird	Fish	77%	8.40%	61%	Beta	Assimilation efficiencies of waterfowl consuming aquatic invertebrates studied by Karasov (1990). A beta distribution was assumed for this variable with the following paramterization: alpha=20, beta=6.5, and scale=1.0. This parameterization results in a distribution with a mean close to 77% and a 95% probability that the assimilation efficiency will be between 58 and 90%, which would be expected given a standard deviation of 8.4 and slightly left-skewed distribution. Assimilation efficiency is easily measured and several studies indicate that efficiencies vary little between different bird species consuming fish or aquatic invertebrates (USEPA 1993).
Piscivorous bird	Fish	79%	4.50%	62%	Beta	A mean assimilation efficiency of 79% (SD=4.5%) was based on values reported by Karasov (1990), Stalmaster adn Gessaman (1982), Castro et al (1989), and Ricklefs (1974). A beta distribution was assumed for this variable with the following paramterization: alpha=15, beta=4, and scale=1.0. Assimilation efficiency is easily measured and several studies indicate that efficiencies vary little between different bird species consuming fish or aquatic invertebrates (USEPA 1993).

Table 4-3
Derivation of Gross Energy and Assimilation Efficiency Parameters

Receptor		Average	Standard Deviation	5th Percentile	Distribution	Basis[a]
Omnivorous mammal	Fish	91%	9%	83%	Beta	The assimilation efficiency of omnivorous mammals depends upon the animal itself as well as the type of diet (USEPA 1993). Diets that include high percentages of indigestible material, such as ash, chitin or cellulose, tend to have lower assimilation efficiencies. Prey items with higher percent body weight fat will have higher assimilation efficiencies. The estimated assimilation efficiency for fish consumed by mammals is 91% (estimated SD = 9.0; USEPA 1993, estimated from Nagy 1987). The assimilation efficiency for the consumption of aquatic invertebrates (crabs and bivalves) by mammals was not found. However, small mammals consuming bivalves would shell the prey prior to consumption, so we can assume an efficiency similar to that of fish (mean = 91%; SD = 9.0). Beta distributions were assumed for this variable with parameters of: alpha = 60; beta = 7; scale = 1.0. This parameterization results in a distribution that has a mean close to 91%. With this distribution, there is approximately a 95% probability that assimilation efficiency will be between 81 and 96%.
	Aquatic invertebrates	91%	9%	83%	Beta	
Piscivorous mammal	Fish	91%	9%	84%	Beta	Assimilation efficiencies of mammals consuming fish and insects were reported to be 91% (estimated standard deviation = 9%) and 87% with a standard deviation of 4.9, respectively (USEPA 1993; Grodzinski and Wunder 1975; Barrett and Stueck 1976). A beta distribution was assumed for this variable with the following parameterization for fish and insects, respectively: alpha = 65, beta = 6.7, and scale = 1.0; alpha = 65, beta = 10, and scale = 1.
	Aquatic invertebrates	87%	4.90%	80%	Beta	

Notes

a - As discussed in the Calcasieu BERA (CDM 2002)

Table 4-4
Prey Item Groups for Dietary Compositions of Aquatic Dependent Wildlife

Prey Class	General Size	Site Use	Trophic Level	Species	Approximate Home Range (m)	Approximate Size Class (cm)
Fish						
1	Small	Sedentary	Low	minnows, mollies, killifish	500	<15
2A	Small	Migratory	Low	mullet, shad, anchovies, sunfish, menhaden, silverside	1,000	<15
2B	Small	Migratory	High	spot, croaker	1,000	<15
3A	Medium	Migratory	Low	mullet, shad, anchovies, menhaden, sunfish	1,000	15 - <30
3B	Medium	Migratory	High	spot, croaker, seatrout, black drum	1000	15 - <30
4A	Large	Migratory	Low	mullet, shad	10,000	30 - 90
4B	Large	Migratory	High	croaker, black drum, flounder	10,000	30 - 90
Invertebrates						
1C	Small	Sedentary	Low	Polychaetes, aquatic insects	5	<2
1A	Small	Sedentary	Low	Clams, mussels, oysters	10	<7.5
1B	Small	Sedentary	Low	fiddler crabs, hermit crabs, juvenile blue crabs	100	7.5
2A	Small	Migratory	Low	Shrimp	1,000	<12.5
2B	Large	Migratory	High	blue crab	1,000	>12.5

Notes

Table adapted from Calcasieu BERA (CDM 2002)

Table 4-5
Summary of Whole Sediment 95% Upper Confidence Limits of the Mean

Chemical	95 UCL Basis	95UCL Cs (mg/kgdw)
Arsenic	99% Chebyshev (Mean, Sd) UCL	78.3
Cadmium	95% KM (t) UCL	0.985
Chromium	95% Approximate Gamma UCL	207
Copper	95% Approximate Gamma UCL	109
Lead	95% Approximate Gamma UCL	158
Mercury	97.5% Chebyshev (MVUE) UCL	81.9
Nickel	95% Approximate Gamma UCL	52.8
Selenium	95% KM (Percentile Bootstrap) UCL	1.20
Zinc	95% Approximate Gamma UCL	721
2-Methylnaphthalene	97.5% Chebyshev (MVUE) UCL	10.5
Acenaphthene	95% KM (Chebyshev) UCL	7.96
Acenaphthylene	95% KM (Chebyshev) UCL	8.59
Anthracene	95% KM (Chebyshev) UCL	6.49
Benzo(a)anthracene	95% KM (Chebyshev) UCL	2.75
Benzo(a)pyrene	95% KM (Chebyshev) UCL	2.59
Benzo(b)fluoranthene	95% KM (Chebyshev) UCL	2.33
Benzo(g,h,i)perylene	95% Approximate Gamma UCL	3.06
Benzo(k)fluoranthene	95% KM (Chebyshev) UCL	2.24
Chrysene	95% Approximate Gamma UCL	3.04
Dibenzo(a,h)anthracene	99% KM (Chebyshev) UCL	2.84
Fluoranthene	95% Approximate Gamma UCL	5.47
Fluorene	95% Adjusted Gamma UCL	5.56
Indeno(1,2,3-cd)pyrene	95% KM (Chebyshev) UCL	0.832
Naphthalene	97.5% Chebyshev (MVUE) UCL	28.8
Phenanthrene	95% Adjusted Gamma UCL	13.7
Pyrene	95% Approximate Gamma UCL	11.2
Total HPAH 16	95% Approximate Gamma UCL	26.4
Total LPAH 16	97.5% Chebyshev (MVUE) UCL	137
Total PAH 16	95% Approximate Gamma UCL	63.7
Aroclor 1248	99% KM (Chebyshev) UCL	60.4
Aroclor 1254	95% KM (t) UCL	2.36
Aroclor 1260	Max Detect	0.820
Total PCB Aroclors	99% KM (Chebyshev) UCL	127
PCB-077	Use 95% Approximate Gamma UCL	0.0350
PCB-081	95% KM (BCA) UCL	0.00154
PCB-105	95% KM (Chebyshev) UCL	0.107
PCB-114	95% KM (Chebyshev) UCL	0.00687
PCB-118	Use 95% Student's-t UCL	0.122
PCB-123	Max Detect	0.0361
PCB-126	95% KM (BCA) UCL	0.000726
PCB-156	Use 95% Student's-t UCL	0.00970
PCB-157	Use 95% Student's-t UCL	0.00970

Table 4-5
Summary of Whole Sediment 95% Upper Confidence Limits of the Mean

Chemical	95 UCL Basis	95UCL Cs (mg/kgdw)
PCB-167	95% KM (t) UCL	0.00294
PCB-169	Max Detect	0.000141
PCB-189	95% KM (Chebyshev) UCL	0.00106
PCB congener TEQ	--	NA
1,2,3,4,6,7,8-HpCDD	95% KM (Chebyshev) UCL	0.000779
1,2,3,4,6,7,8-HpCDF	95% KM (Chebyshev) UCL	0.00109
1,2,3,4,7,8,9-HpCDF	95% KM (Chebyshev) UCL	0.000134
1,2,3,4,7,8-HxCDD	95% KM (Chebyshev) UCL	0.0000138
1,2,3,4,7,8-HxCDF	95% KM (Chebyshev) UCL	0.000392
1,2,3,6,7,8-HxCDD	95% KM (Chebyshev) UCL	0.0000443
1,2,3,6,7,8-HxCDF	95% KM (Chebyshev) UCL	0.000120
1,2,3,7,8,9-HxCDD	95% KM (Chebyshev) UCL	0.0000256
1,2,3,7,8,9-HxCDF	95% KM (BCA) UCL	0.00000931
1,2,3,7,8-PeCDD	95% KM (t) UCL	0.00000548
1,2,3,7,8-PeCDF	95% KM (Chebyshev) UCL	0.000208
2,3,4,6,7,8-HxCDF	95% KM (BCA) UCL	0.0000229
2,3,4,7,8-PeCDF	95% KM (Chebyshev) UCL	0.0000803
2,3,7,8-TCDD	99% KM (Chebyshev) UCL	0.000398
2,3,7,8-TCDF	95% KM (Chebyshev) UCL	0.000329
OCDD	95% KM (Chebyshev) UCL	0.00868
OCDF	95% KM (Chebyshev) UCL	0.0379
Dioxin/furan congener TEQ	--	NA
4,4'-DDD	95% KM (% Bootstrap) UCL	0.0429
4,4'-DDE	97.5% KM (Chebyshev) UCL	0.188
4,4'-DDT	97.5% KM (Chebyshev) UCL	0.585
Aldrin	Max Detect[a]	0.0500
Endrin	Max Detect[a]	0.0140
alpha-Chlordane	95% KM (% Bootstrap) UCL	0.0417
gamma-BHC (Lindane)	Max Detect[a]	0.600
Heptachlor Epoxide	95% KM (% Bootstrap) UCL	0.0680
Endosulfan I	Max Detect[a]	0.0320
Endosulfan II	Max Detect[a]	0.100
gamma-Chlordane	95% KM (BCA) UCL	0.0864
Methoxychlor	Max Detect[a]	0.120
Total Chlordane (alpha & gamma)	95% KM (BCA) UCL	0.144
Total DDT	97.5% KM (Chebyshev) UCL	1.61
Hexachlorobenzene	99% KM (Chebyshev) UCL	55.0
Hexachlorobutadiene	95% KM (Chebyshev) UCL	11.8
Hexachloroethane	95% KM (Chebyshev) UCL	2.41
1,2-Dichlorobenzene	Max Detect[a]	0.0400
1,3-Dichlorobenzene	99% KM (Chebyshev) UCL	8.85
1,4-Dichlorobenzene	95% KM (t) UCL	1.05

Table 4-5
Summary of Whole Sediment 95% Upper Confidence Limits of the Mean

Chemical	95 UCL Basis	95UCL Cs (mg/kgdw)
bis(2-ethylhexyl)phthalate	95% KM (Chebyshev) UCL	6.94
1,1,1-Trichloroethane	Max Non-detect[b]	0.115
1,1,2,2-Tetrachloroethane	Max Non-detect[b]	0.115
Acrylonitrile	Max Non-detect[b]	0.500
Benzene	95% KM (t) UCL	0.252
Chlorobenzene	95% KM (BCA) UCL	0.169
Toluene	95% KM (t) UCL	0.141
Total xylene	Max Detect[a]	1.90

Note:

a - Frequency of detection too low (< 5%) to calculate UCL 95, max detect used as sediment exposure point concentration

b - Not detected in sediment, maximum non-detect values used as sediment exposure point concentration

Table 4-6
Toxicity Reference Values for Avian Receptors

Chemical Class	Chemical[a]	Toxicity Reference Values (TRVs) and Sources							
		Source	Test Species	LD50 to NOAEL UF	LOAEL to NOAEL UF	NOAEL (mg/kg-day)	LD50 to LOAEL UF	NOAEL to LOAEL UF	LOAEL (mg/kg-day)
Metals	Arsenic	Sample et al (1996)	mallard duck			2.46			7.38
	Cadmium	Sample et al (1996)	mallard duck			1.45			20
	Chromium	Sample et al (1996); Cr+3	black duck			1			5
	Copper	Sample et al (1996)	1 day old chick			47			61.7
	Lead	Sample et al (1996)	Japanese quail			1.13			11.3
	Mercury	Sample et al (1996); methyl Hg	mallard duck			0.0064			0.064
	Nickel	Sample et al (1996)	mallard duckling			77.4			107
	Selenium	Sample et al (1996)	black-crowned night heron			1.8		5	9
	Zinc	Sample et al (1996)	chicken			14.5			131
PAHs	2-Methylnaphthalene	Anthracene	--	100		1.11		5	5.55
	Acenaphthene	Shafer (1983)	red-winged blackbird	100		1.01		5	5.05
	Acenaphthylene	Acenaphthene	--	100		1.01		5	5.05
	Anthracene	Shafer (1983)	red-winged blackbird	100		1.11		5	5.55
	Benzo(a)anthracene	Benzo(a)pyrene	--			280		5	1400
	Benzo(a)pyrene	Rigdon and Neal (1963)	chick			280		5	1400
	Benzo(b)fluoranthene	Benzo(a)pyrene	--			280		5	1400
	Benzo(g,h,i)perylene	Benzo(a)pyrene	--			280		5	1400
	Benzo(k)fluoranthene	Benzo(a)pyrene	--			280		5	1400
	Chrysene	Benzo(a)pyrene	--			280		5	1400
	Dibenzo(a,h)anthracene	Benzo(a)pyrene	--			280		5	1400
	Fluoranthene	Benzo(a)pyrene	--			280		5	1400
	Fluorene	Shafer (1983)	red-winged blackbird	100		1.01		5	5.05
	Indeno(1,2,3-cd)pyrene	Benzo(a)pyrene	--			280		5	1400
	Naphthalene	Shafer (1983)	red-winged blackbird			1.11		5	5.55
	Phenanthrene	Shafer (1983)	red-winged blackbird	100		1.13		5	5.65
	Pyrene	Benzo(a)pyrene	--			280		5	1400
	Total HPAH 16	Benzo(a)pyrene	--			280		5	1400
	Total LPAH 16	Fluorene	--	100		1.01		5	5.05
	Total PAH 16	Sum of HPAH and LPAH[c]	--			--			--
PCBs	Aroclor 1248	Aroclor 1242	screech owl			0.41		5	2.05
	Aroclor 1254	Sample et al (1996)	ring-necked pheasant		10	0.18			1.8
	Aroclor 1260	Call and Harrell (1974)	Japanese quail			8.33		5	41.65
	Total PCB Aroclors	Aroclor 1242	--			0.41		5	2.05
	PCB congeners	Aroclor 1242	--			0.41		5	2.05
Dioxin/Furan	Dioxin/furan congeners	Sample et al (1996); 2,3,7,8-TCDD	ring-necked pheasant			0.000014			0.00014
Pesticides	4,4'-DDD	Sample et al (1996); DDT and metabolites	brown pelican		10	0.0028			0.028
	4,4'-DDE	Sample et al (1996); DDT and metabolites	brown pelican		10	0.0028			0.028
	4,4'-DDT	Sample et al (1996); DDT and metabolites	brown pelican		10	0.0028			0.028
	Aldrin	Dieldrin	barn owl			0.077		5	0.385
	Endrin	Sample et al (1996)	screech owl			0.01			0.1
	alpha-Chlordane	Sample et al (1996); chlordane	red-winged blackbird			2.14			10.7
	gamma-BHC (Lindane)	Sample et al (1996)	mallard duck		10	2			20
	Heptachlor Epoxide	Hill et al (1975)	ring-necked pheasant	100		0.28	10		2.8
	Endosulfan I	Sample et al (1996); endosulfan	gray partridge			10		5	50
	Endosulfan II	Sample et al (1996); endosulfan	gray partridge			10		5	50
	gamma-Chlordane	Sample et al (1996); chlordane	red-winged blackbird			2.14			10.7
	Methoxychlor	Wiemeyer (1996)	chicken		10	177.5			1775
	Total Chlordane (alpha & gamma)	Sample et al (1996); chlordane	red-winged blackbird			2.14			10.7
	Total DDT	Sample et al (1996); DDT and metabolites	brown pelican		10	0.0028			0.028

Table 4-6
Toxicity Reference Values for Avian Receptors

Chemical Class	Chemical[a]	Toxicity Reference Values (TRVs) and Sources							
		Source	Test Species	LD50 to NOAEL UF	LOAEL to NOAEL UF	NOAEL (mg/kg-day)	LD50 to LOAEL UF	NOAEL to LOAEL UF	LOAEL (mg/kg-day)
SVOCs	Hexachlorobenzene	Vos et al (1971)	Japanese quail			0.67		5	3.35
	Hexachlorobutadiene	ECOTOX (ref 35430) (USEPA 2007b)	Japanese quail			4		5	20
	Hexachloroethane	USEPA (1993)	--			1		5	5
VOCs	1,2-Dichlorobenzene	1,4-Dichlorobenzene	--	100		16.08	10		160.8
	1,3-Dichlorobenzene	1,4-Dichlorobenzene	--	100		16.08	10		160.8
	1,4-Dichlorobenzene	ECOTOX (ref 344) (USEPA 2007b)	Northern bobwhite	100		16.08	10		160.8
Non-bioaccumulative PCOPC									
	bis(2-ethylhexyl)phthalate	Sample et al (1996)	Ringed dove			1.1		5	5.5
	1,1,1-Trichloroethane	--	--			NA			NA
	1,1,2,2-Tetrachloroethane	--	--			NA			NA
	Acrylonitrile	--	--			NA			NA
	Benzene	--	--			NA			NA
	Chlorobenzene	--	--			NA			NA
	Toluene	--	--			NA			NA
	Total xylene	--	--			NA			NA

NA - Not available
UF - Uncertainty Factor

Table 4-7
Toxicity Reference Values for Mammalian Receptors

Chemical Class	Chemical[a]	Toxicity Reference Values (TRVs) and Sources								
		Source	Test Species	Test Species Body Weight (BWt; kg)	Subchronic to Chronic UF	LOAEL to NOAEL UF	NOAEL (TRVt; mg/kg-day)	Subchronic to Chronic UF	NOAEL to LOAEL UF	LOAEL (TRVt; mg/kg-day)
Metals	Arsenic	Sample et al (1996)	mouse	0.03		10	0.126			1.26
	Cadmium	Sample et al (1996)	rat	0.35			1			10
	Chromium	Sample et al (1996); as Cr+3	rat	0.35			2737		5	13685
	Copper	Sample et al (1996)	mink	1			11.7			15.4
	Lead	Sample et al (1996)	rat	0.35			8			80
	Mercury	Sample et al (1996); methyl Hg	mink	1	10		0.015	10		0.025
	Nickel	Sample et al (1996)	rat	0.35			40			80
	Selenium	Sample et al (1996)	rat	0.35			0.2			0.33
	Zinc	Sample et al (1996)	rat	0.35			160			320
PAHs	2-Methylnaphthalene	EFA West (1998)	mouse	0.03			50		5	250
	Acenaphthene	IRIS (USEPA 2007a)	mouse	0.03	10		17.5		5	87.5
	Acenaphthylene	IRIS (USEPA 2007a)	mouse	0.03	10		17.5		5	87.5
	Anthracene	IRIS (USEPA 2007a)	mouse	0.03	10		100		5	500
	Benzo(a)anthracene	Benzo(a)pyrene	mouse	0.03			1			10
	Benzo(a)pyrene	Sample et al (1996)	mouse	0.03			1			10
	Benzo(b)fluoranthene	Benzo(a)pyrene	mouse	0.03			1			10
	Benzo(g,h,i)perylene	Benzo(a)pyrene	mouse	0.03			1			10
	Benzo(k)fluoranthene	Benzo(a)pyrene	mouse	0.03			1			10
	Chrysene	Benzo(a)pyrene	mouse	0.03			1			10
	Dibenzo(a,h)anthracene	Benzo(a)pyrene	mouse	0.03			1			10
	Fluoranthene	Benzo(a)pyrene	mouse	0.03			1			10
	Fluorene	IRIS (USEPA 2007a)	mouse	0.03	10		12.5		5	62.5
	Indeno(1,2,3-cd)pyrene	Benzo(a)pyrene	mouse	0.03			1			10
	Naphthalene	EFA West (1998)	rat	0.35			50		5	250
	Phenanthrene	Fluorene	mouse	0.03	10		12.5		5	62.5
	Pyrene	IRIS (USEPA 2007a)	mouse	0.03	10		7.5		5	37.5
	Total HPAH 16	Benzo(a)pyrene	mouse	0.03			1			10
	Total LPAH 16	Fluorene	--	0.03			12.5			62.5
	Total PAH 16	Sum of HPAH and LPAH	--	0.03			--			--
PCBs	Aroclor 1248	Sample et al (1996)	Rhesus monkey	5		10	0.01			0.1
	Aroclor 1254	Sample et al (1996)	mink	1		10	0.14			0.69
	Aroclor 1260	Aroclor 1254	mink	1		10	0.14			0.69
	Total PCB Aroclors	Aroclor 1248	Rhesus monkey	5		10	0.01			0.1
	PCB congeners	Aroclor 1248	Rhesus monkey	5		10	0.01			0.1
Dioxins/Furans	Dioxin/furan congeners	Sample et al (1996); 2,3,7,8-TCDD	rat	0.35			0.000001			0.00001
Pesticides	4,4'-DDD	Sample et al (1996); DDT and metabolites	rat	0.35			0.8			4
	4,4'-DDE	Sample et al (1996); DDT and metabolites	rat	0.35			0.8			4
	4,4'-DDT	Sample et al (1996); DDT and metabolites	rat	0.35			0.8			4
	Aldrin	Sample et al (1996)	rat	0.35			0.2			1
	Endrin	Sample et al (1996)	mouse	0.03		10	0.092			0.92
	alpha-Chlordane	Sample et al (1996); chlordane	mouse	0.03			4.6			9.2
	gamma-BHC (Lindane)	Sample et al (1996)	rat	0.35			8		5	40
	Heptachlor Epoxide	Sample et al (1996); Heptachlor	mink	1			0.1			1
	Endosulfan I	Sample et al (1996)	rat	0.35			0.15		5	0.75
	Endosulfan II	Sample et al (1996)	rat	0.35			0.15		5	0.75
	gamma-Chlordane	Sample et al (1996); chlordane	mouse	0.03			4.6			9.2
	Methoxychlor	Sample et al (1996)	rat	0.35			4			8
	Total Chlordane (alpha & gamma)	Sample et al (1996); chlordane	mouse	0.03			4.6			9.2
	Total DDT	Sample et al (1996); DDT and metabolites	rat	0.35			0.8			4

Table 4-7
Toxicity Reference Values for Mammalian Receptors

Chemical Class	Chemical[a]	Toxicity Reference Values (TRVs) and Sources								
		Source	Test Species	Test Species Body Weight (BWt; kg)	Subchronic to Chronic UF	LOAEL to NOAEL UF	NOAEL (TRVt; mg/kg-day)	Subchronic to Chronic UF	NOAEL to LOAEL UF	LOAEL (TRVt; mg/kg-day)
SVOCs	Hexachlorobenzene	Gralla et al (1977)	beagle dog	10			1.25			12
	Hexachlorobutadiene	Schwetz et al (1977)	rat	0.35			2		5	10
	Hexachloroethane	ATSDR (1997)	rat	0.35			100		5	500
VOCs	1,2-Dichlorobenzene	NTP (1985)	rat	0.35			120		5	600
	1,3-Dichlorobenzene	Coulston and Kolbye 1994	rat	0.35			85.7		5	428.5
	1,4-Dichlorobenzene	ATSDR (2006)	rat	0.35			600		5	3000
Non-bioaccumulative PCOPC										
	bis(2-ethylhexyl)phthalate	Tyl et al (1988)	mouse	0.03			44			91.00
	1,1,1-Trichloroethane	Sample et al (1996)	mouse	0.035*			1000		5	5000.00
	1,1,2,2-Tetrachloroethane	--	--	--			NA			NA
	Acrylonitrile	--	--	--			NA			NA
	Benzene	Sample et al (1996)	mouse	0.03		10	26.4			263.60
	Chlorobenzene	--	--	--			NA			NA
	Toluene	Sample et al (1996)	mouse	0.03		10	26			259.8
	Total xylene	Sample et al (1996)	mouse	0.03			2.1			2.6

NA - Not available

UF - Uncertainty Factor

* from original study

Table 4-8
Body Weight Adjusted Mammalian Toxicity Reference Values

	NOAEL (TRVt; mg/kg-day)	LOAEL (TRVt; mg/kg-day)	Test Species	Test Species Body Weight (BWt; kg)	River Otter body weight (kg)	Mink Body Weight (kg)	Raccoon Body Weight (kg)	River Otter NOAEL (mg/kgbw/day)	River Otter LOAEL (mg/kgbw/day)	Mink NOAEL (mg/kgbw/day)	Mink LOAEL (mg/kgbw/day)	Raccoon NOAEL (mg/kgbw/day)	Raccoon LOAEL (mg/kgbw/day)
Arsenic	0.126	1.26	mouse	0.03	7.43	0.852	3.99	0.0318	0.318	0.0546	0.546	0.0371	0.371
Cadmium	1	10	rat	0.35	7.43	0.852	3.99	0.466	4.659	0.801	8.01	0.544	5.44
Chromium	2737	13685	rat	0.35	7.43	0.852	3.99	1280	6375.505	2190	11000	1490	7450
Copper	11.7	15.4	mink	1	7.43	0.852	3.99	7.09	9.328	12.2	16.0	8.28	10.9
Lead	8	80	rat	0.35	7.43	0.852	3.99	3.73	37.270	6.40	64.0	4.35	43.5
Mercury	0.015	0.025	mink	1	7.43	0.852	3.99	0.00909	0.015	0.0156	0.0260	0.0106	0.0177
Nickel	40	80	rat	0.35	7.43	0.852	3.99	18.6	37.270	32.0	64.0	21.8	43.5
Selenium	0.2	0.33	rat	0.35	7.43	0.852	3.99	0.0932	0.154	0.160	0.264	0.109	0.180
Zinc	160	320	rat	0.35	7.43	0.852	3.99	74.5	149.080	128	256	87.1	174
2-Methylnaphthalene	50	250	mouse	0.03	7.43	0.852	3.99	12.6	63.019	21.7	108	14.7	73.6
Acenaphthene	17.5	87.5	mouse	0.03	7.43	0.852	3.99	4.41	22.057	7.58	37.9	5.15	25.8
Acenaphthylene	17.5	87.5	mouse	0.03	7.43	0.852	3.99	4.41	22.057	7.58	37.9	5.15	25.8
Anthracene	100	500	mouse	0.03	7.43	0.852	3.99	25.2	126.038	43.3	217	29.4	147
Benzo(a)anthracene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Benzo(a)pyrene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Benzo(b)fluoranthene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Benzo(g,h,i)perylene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Benzo(k)fluoranthene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Chrysene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Dibenzo(a,h)anthracene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Fluoranthene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Fluorene	12.5	62.5	mouse	0.03	7.43	0.852	3.99	3.15	15.755	5.41	27.1	3.68	18.4
Indeno(1,2,3-cd)pyrene	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Naphthalene	50	250	rat	0.35	7.43	0.852	3.99	23.3	116.469	40.0	200	27.2	136
Phenanthrene	12.5	62.5	mouse	0.03	7.43	0.852	3.99	3.15	15.755	5.41	27.1	3.68	18.4
Pyrene	7.5	37.5	mouse	0.03	7.43	0.852	3.99	1.89	9.453	3.25	16.2	2.21	11.0
Total HPAH 16	1	10	mouse	0.03	7.43	0.852	3.99	0.252	2.521	0.433	4.33	0.294	2.94
Total LPAH 16	12.5	62.5	--	0.03	7.43	0.852	3.99	3.15	15.755	5.41	27.1	3.68	18.4
Total PAH 16	--	--	--	0.03	7.43	0.852	3.99	--	--	--	--	--	--
Aroclor 1248	0.01	0.1	Rhesus monkey	5	7.43	0.852	3.99	0.00906	0.091	0.0156	0.156	0.0106	0.106
Aroclor 1254	0.14	0.69	mink	1	7.43	0.852	3.99	0.0848	0.418	0.146	0.718	0.0991	0.488
Aroclor 1260	0.14	0.69	mink	1	7.43	0.852	3.99	0.0848	0.418	0.146	0.718	0.0991	0.488
Total PCB Aroclors	0.01	0.1	Rhesus monkey	5	7.43	0.852	3.99	0.00906	0.091	0.0156	0.156	0.0106	0.106
Total PCB congeners	--	--	--	--	7.43	0.852	3.99	--	--	--	--	--	--
Dioxin/furan congener TEQ	0.000001	0.00001	rat	0.35	7.43	0.852	3.99	0.00000047	0.00000466	0.00000080	0.00000801	0.00000054	0.00000544
4,4'-DDD	0.8	4	rat	0.35	7.43	0.852	3.99	0.373	1.864	0.640	3.20	0.435	2.18
4,4'-DDE	0.8	4	rat	0.35	7.43	0.852	3.99	0.373	1.864	0.640	3.20	0.435	2.18
4,4'-DDT	0.8	4	rat	0.35	7.43	0.852	3.99	0.373	1.864	0.640	3.20	0.435	2.18
Aldrin	0.2	1	rat	0.35	7.43	0.852	3.99	0.0932	0.466	0.160	0.801	0.109	0.544
Endrin	0.092	0.92	mouse	0.03	7.43	0.852	3.99	0.0232	0.232	0.0399	0.399	0.0271	0.271
alpha-Chlordane	4.6	9.2	mouse	0.03	7.43	0.852	3.99	1.16	2.319	1.99	3.99	1.35	2.71
gamma-BHC (Lindane)	8	40	rat	0.35	7.43	0.852	3.99	3.73	18.635	6.40	32.0	4.35	21.8
Heptachlor Epoxide	0.1	1	mink	1	7.43	0.852	3.99	0.0606	0.606	0.104	1.04	0.0708	0.708
Endosulfan I	0.15	0.75	rat	0.35	7.43	0.852	3.99	0.0699	0.349	0.120	0.600	0.0816	0.408
Endosulfan II	0.15	0.75	rat	0.35	7.43	0.852	3.99	0.0699	0.349	0.120	0.600	0.0816	0.408
gamma-Chlordane	4.6	9.2	mouse	0.03	7.43	0.852	3.99	1.16	2.319	1.99	3.99	1.35	2.71
Methoxychlor	4	8	rat	0.35	7.43	0.852	3.99	1.86	3.727	3.20	6.40	2.18	4.35
Total Chlordane (alpha & gamma)	4.6	9.2	mouse	0.03	7.43	0.852	3.99	1.16	2.319	1.99	3.99	1.35	2.71
Total DDT	0.8	4	rat	0.35	7.43	0.852	3.99	0.373	1.864	0.640	3.20	0.435	2.18

Table 4-8
Body Weight Adjusted Mammalian Toxicity Reference Values

	NOAEL (TRVt; mg/kg-day)	LOAEL (TRVt; mg/kg-day)	Test Species	Test Species Body Weight (BWt; kg)	River Otter body weight (kg)	Mink Body Weight (kg)	Raccoon Body Weight (kg)	River Otter NOAEL (mg/kgbw/day)	River Otter LOAEL (mg/kgbw/day)	Mink NOAEL (mg/kgbw/day)	Mink LOAEL (mg/kgbw/day)	Raccoon NOAEL (mg/kgbw/day)	Raccoon LOAEL (mg/kgbw/day)
Hexachlorobenzene	1.25	12	beagle dog	10	7.43	0.852	3.99	1.35	12.925	2.31	22.2	1.57	15.1
Hexachlorobutadiene	2	10	rat	0.35	7.43	0.852	3.99	0.932	4.659	1.60	8.01	1.09	5.44
Hexachloroethane	100	500	rat	0.35	7.43	0.852	3.99	46.6	232.938	80.1	400	54.4	272
1,2-Dichlorobenzene	120	600	rat	0.35	7.43	0.852	3.99	55.9	279.525	96.1	480	65.3	327
1,3-Dichlorobenzene	85.7	428.5	rat	0.35	7.43	0.852	3.99	39.9	199.628	68.6	343	46.6	233
1,4-Dichlorobenzene	600	3000	rat	0.35	7.43	0.852	3.99	280	1397.626	480	2400	327	1630
Non-bioaccumulative PCOPC													
bis(2-ethylhexyl)phthalate	44	91	mouse	0.03	7.43	0.852	3.99	11.09	22.939	19.06	39.42	12.96	26.80
1,1,1-Trichloroethane	1000	5000	mouse	0.035	7.43	0.852	3.99	261.98	1309.905	450.20	2251.01	306.04	1530.18
1,1,2,2-Tetrachloroethane	--	--	--	--	7.43	0.852	3.99	--	--	--	--	--	--
Acrylonitrile	--	--	--	--	7.43	0.852	3.99	--	--	--	--	--	--
Benzene	26.4	263.6	mouse	0.03	7.43	0.852	3.99	6.65	66.447	11.44	114.19	7.77	77.62
Chlorobenzene	--	--	--	--	7.43	0.852	3.99	--	--	--	--	--	--
Toluene	26	259.8	mouse	0.03	7.43	0.852	3.99	6.55	65.490	11.26	112.54	7.66	76.50
Total xylene	2.1	2.6	mouse	0.03	7.43	0.852	3.99	0.53	0.655	0.91	1.13	0.62	0.77

Body weight adjustment:

$$TRV_{adj} = TRV_t \times (BW_t / BW_r)^{0.25}$$

TRV_{adj} = Adjusted NOAEL- or LOAEL-equivalent TRV (mg/kg body weight-day)
TRV_t = NOAEL- or LOAEL-equivalent TRV for test organism (mg/kg body weight-day)
BW_t = Body weight for test organism (kg)
BW_r = Body weight for receptor species (kg)

Table 4-9
COPC Status for Aquatic Dependent Wildlife and Fish Receptors

Chemical	Double-crested cormorant (Brown pelican)*	Belted Kingfisher (Piscivorous bird)	Spotted sandpiper (Sediment-probing bird)	Great blue heron (Carnivorous bird)	Avian COPC	Raccoon (Omnivorous mammal)	River otter (piscivorous mammal)	Mink (Piscivorous mammal)	Mammalian COPC	Carnivorous Fish COPC
Arsenic	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Cadmium	No	No	Uncertain	No	Uncertain	No	No	No	No	Uncertain
Chromium	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	No	No	No	No	Uncertain
Copper	No	No	Uncertain	No	Uncertain	No	No	Uncertain	Uncertain	Uncertain
Lead	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	No	No	No	No	Uncertain
Mercury	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Nickel	No	No	No	No	No	No	No	No	No	See note a
Selenium	No	No	Uncertain	No	Uncertain	Uncertain	**Yes**	**Yes**	**Yes**	Uncertain
Zinc	**Yes**	**Yes**	**Yes**	Uncertain	**Yes**	No	No	Uncertain	Uncertain	Uncertain
2-Methylnaphthalene	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	No	No	No	No	No
Acenaphthene	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	No	No	No	No	No
Acenaphthylene	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	No	No	No	No	No
Anthracene	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	No	No	No	No	No
Benzo(a)anthracene	No	No	No	No	No	No	No	Uncertain	Uncertain	No
Benzo(a)pyrene	No	No	No	No	No	No	No	Uncertain	Uncertain	No
Benzo(b)fluoranthene	No	No	No	No	No	No	No	Uncertain	Uncertain	No
Benzo(g,h,i)perylene	No	No	No	No	No	No	No	Uncertain	Uncertain	No
Benzo(k)fluoranthene	No	No	No	No	No	No	No	Uncertain	Uncertain	No
Chrysene	No	No	No	No	No	No	No	Uncertain	Uncertain	See note a
Dibenzo(a,h)anthracene	No	No	No	No	No	No	No	Uncertain	Uncertain	No
Fluoranthene	No	No	No	No	No	Uncertain	No	Uncertain	Uncertain	No
Fluorene	**Yes**	Uncertain	Uncertain	No	Uncertain	No	No	No	No	No
Indeno(1,2,3-cd)pyrene	No	No	No	No	No	No	No	No	No	No
Naphthalene	**Yes**	Uncertain	--	Uncertain	--	No	No	No	--	No
Phenanthrene	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	No	No	No	No	No
Pyrene	No	No	No	No	No	No	No	No	No	No
Total HPAH 16	No	No	Uncertain	No	Uncertain	Uncertain	Uncertain	Uncertain	Uncertain	No
Total LPAH 16	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	Uncertain
Total PAH 16	No	No	Uncertain	No	Uncertain	--	--	--	--	Uncertain
Aroclor 1248	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	See note a
Aroclor 1254	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	Uncertain	Uncertain	**Yes**	**Yes**	No
Aroclor 1260	No	No	No	No	No	No	Uncertain	Uncertain	Uncertain	See note a
Total PCB Aroclors	--	--	--	--	--	--	--	--	--	**Yes**
PCB-077	See PCB Congener TEQ									
PCB-081	See PCB Congener TEQ									
PCB-105	See PCB Congener TEQ									
PCB-114	See PCB Congener TEQ									
PCB-118	See PCB Congener TEQ									
PCB-123	See PCB Congener TEQ									
PCB-126	See PCB Congener TEQ									
PCB-156	See PCB Congener TEQ									

Table 4-9
COPC Status for Aquatic Dependent Wildlife and Fish Receptors

Chemical	Double-crested cormorant (Brown pelican)*	Belted Kingfisher (Piscivorous bird)	Spotted sandpiper (Sediment-probing bird)	Great blue heron (Carnivorous bird)	Avian COPC	Raccoon (Omnivorous mammal)	River otter (piscivorous mammal)	Mink (Piscivorous mammal)	Mammalian COPC	Carnivorous Fish COPC
PCB-157	See PCB Congener TEQ									
PCB-167	See PCB Congener TEQ									
PCB-169	See PCB Congener TEQ									
PCB-189	See PCB Congener TEQ									
PCB congeners TEQ	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	Uncertain	Uncertain	**Yes**	**Yes**	No
1,2,3,4,6,7,8-HpCDD	See Dioxin/furan congener TEQ									
1,2,3,4,6,7,8-HpCDF	See Dioxin/furan congener TEQ									
1,2,3,4,7,8,9-HpCDF	See Dioxin/furan congener TEQ									
1,2,3,4,7,8-HxCDD	See Dioxin/furan congener TEQ									
1,2,3,4,7,8-HxCDF	See Dioxin/furan congener TEQ									
1,2,3,6,7,8-HxCDD	See Dioxin/furan congener TEQ									
1,2,3,6,7,8-HxCDF	See Dioxin/furan congener TEQ									
1,2,3,7,8,9-HxCDD	See Dioxin/furan congener TEQ									
1,2,3,7,8,9-HxCDF	See Dioxin/furan congener TEQ									
1,2,3,7,8-PeCDD	See Dioxin/furan congener TEQ									
1,2,3,7,8-PeCDF	See Dioxin/furan congener TEQ									
2,3,4,6,7,8-HxCDF	See Dioxin/furan congener TEQ									
2,3,4,7,8-PeCDF	See Dioxin/furan congener TEQ									
2,3,7,8-TCDD	See Dioxin/furan congener TEQ									
2,3,7,8-TCDF	See Dioxin/furan congener TEQ									
OCDD	See Dioxin/furan congener TEQ									
OCDF	See Dioxin/furan congener TEQ									
Dioxin/furan congener TEQ	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	Uncertain
4,4'-DDD	**Yes**	Uncertain	**Yes**	Uncertain	**Yes**	No	No	No	No	Uncertain
4,4'-DDE	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	Uncertain	Uncertain	Uncertain
4,4'-DDT	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	Uncertain	Uncertain	Uncertain	No
Aldrin	No	Uncertain	Uncertain	No	Uncertain	No	No	Uncertain	Uncertain	Uncertain
Endrin	No	Uncertain	Uncertain	No	Uncertain	No	No	No	No	No
alpha-Chlordane	No	No	No	No	No	No	No	No	No	No
gamma-BHC (Lindane)	No	No	No	No	No	No	No	No	No	No
Heptachlor Epoxide	No	No	Uncertain	No	Uncertain	No	No	Uncertain	Uncertain	No
Endosulfan I	No	No	No	No	No	No	No	No	No	No
Endosulfan II	No	No	No	No	No	No	No	Uncertain	Uncertain	Uncertain
gamma-Chlordane	No	No	No	No	No	No	No	No	No	No
Methoxychlor	No	No	No	No	No	No	No	No	No	No
Total Chlordane (alpha & gamma)	No	No	No	No	No	No	No	No	No	Uncertain
Total DDT	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	Uncertain	Uncertain	Uncertain	See note a
Hexachlorobenzene	**Yes**	**Yes**	**Yes**	Uncertain	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	See note a
Hexachlorobutadiene	**Yes**	Uncertain	**Yes**	No	**Yes**	No	No	Uncertain	Uncertain	No
Hexachloroethane	No	Uncertain	Uncertain	No	Uncertain	No	No	No	No	See note a
1,2-Dichlorobenzene	No	No	No	No	No	No	No	No	NA	No

Table 4-9
COPC Status for Aquatic Dependent Wildlife and Fish Receptors

Chemical	Double-crested cormorant (Brown pelican)*	Belted Kingfisher (Piscivorous bird)	Spotted sandpiper (Sediment-probing bird)	Great blue heron (Carnivorous bird)	Avian COPC	Raccoon (Omnivorous mammal)	River otter (piscivorous mammal)	Mink (Piscivorous mammal)	Mammalian COPC	Carnivorous Fish COPC
1,3-Dichlorobenzene	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**	No	No	Uncertain	NA	Uncertain
1,4-Dichlorobenzene	**Yes**	Uncertain	Uncertain	Uncertain	Uncertain	No	No	No	NA	No
bis(2-ethylhexyl)phthalate	No	No	Uncertain	No	Uncertain	No	No	No	No	Not evaluated
1,1,1-Trichloroethane	See note a	See note a	See note a	See note a	See note a	No	No	No	No	Not evaluated
1,1,2,2-Tetrachloroethane	See note a	See note a	See note a	See note a	See note a	See note a	See note a	See note a	See note a	Not evaluated
Acrylonitrile	See note a	See note a	See note a	See note a	See note a	See note a	See note a	See note a	See note a	Not evaluated
Benzene	See note a	See note a	See note a	See note a	See note a	No	No	No	No	Not evaluated
Chlorobenzene	See note a	See note a	See note a	See note a	See note a	See note a	See note a	See note a	See note a	Not evaluated
Toluene	See note a	See note a	See note a	See note a	See note a	No	See note a	No	No	Not evaluated
Total xylene	See note a	See note a	See note a	See note a	See note a	No	No	No	No	Not evaluated

Note:

*NOAEL based selection criteria

a - PCOPC not evalauted due to lack of available effects values (i.e. TRV) for that receptor. See text for further description.

Table 5-1
Ecological Risk Assessment Target Analyte List by Exposure Media

Chemical Class	Chemical	Sediment[a]	Tissue[b]	Porewater[c]	Surface Water[d,e]
CONV	Ammonia	X	--	--	--
CONV	Nitrate as N	--	--	--	X
CONV	Total Kjeldahl Nitrogen, Total	--	--	--	X
METAL	Arsenic	X	X	--	--
METAL	Cadmium	X	X	--	--
METAL	Chromium	X	X	--	--
METAL	Copper	X	X	X	--
METAL	Lead	X	X	--	--
METAL	Mercury	X	X	X	X[i]
METAL	Nickel	X	X	X	--
METAL	Selenium	X	X	--	X[i]
METAL	Zinc	X	X	--	--
PAH	2-Methylnaphthalene	X	X	--	TBD
PAH	Acenaphthene	X	X	X	TBD
PAH	Acenaphthylene	X	X	--	TBD
PAH	Anthracene	X	X	--	TBD
PAH	Benzo(a)anthracene	X	X	--	TBD
PAH	Benzo(a)pyrene	X	X	--	TBD
PAH	Benzo(b)fluoranthene	X	X	--	TBD
PAH	Benzo(e)pyrene	X	X[g]	--	TBD
PAH	Benzo(g,h,i)perylene	X	X	--	TBD
PAH	Benzo(k)fluoranthene	X	X	--	TBD
PAH	Chrysene	X	X	--	TBD
PAH	Dibenzo(a,h)anthracene	X	X[g]	--	TBD
PAH	Fluoranthene	X	X	--	TBD
PAH	Fluorene	X	X	--	TBD
PAH	Indeno(1,2,3-cd)pyrene	X	X	--	TBD
PAH	Naphthalene	X	X	--	TBD
PAH	Perylene	X	X[g]	--	TBD
PAH	Phenanthrene	X	X	--	TBD
PAH	Pyrene	X	X	--	TBD
PAH	Total HPAH *	X	X	--	TBD
PAH	Total LPAH *	X	X	--	TBD
PAH	Total PAH *	X	X	--	TBD
PAH	C1-Chrysenes	X[f]	--	--	--
PAH	C1-Fluoranthene/Pyrene	X[f]	--	--	--
PAH	C1-Fluorenes	X[f]	--	--	--
PAH	C1-naphthalenes	X[f]	--	--	--
PAH	C1-Phenanthrenes/Anthracenes	X[f]	--	--	--
PAH	C2-Chrysenes	X[f]	--	--	--
PAH	C2-Fluorenes	X[f]	--	--	--
PAH	C2-Naphthalenes	X[f]	--	--	--
PAH	C2-Phenanthrenes/Anthracenes	X[f]	--	--	--
PAH	C3-Chrysenes	X[f]	--	--	--
PAH	C3-Fluorenes	X[f]	--	--	--
PAH	C3-Naphthalenes	X[f]	--	--	--
PAH	C3-Phenanthrenes/Anthracenes	X[f]	--	--	--
PAH	C4-Chrysenes	X[f]	--	--	--

Table 5-1
Ecological Risk Assessment Target Analyte List by Exposure Media

Chemical Class	Chemical	Sediment[a]	Tissue[b]	Porewater[c]	Surface Water[d,e]
PAH	C4-Naphthalenes	X[f]	--	--	--
PAH	C4-Phenanthrenes/Anthracenes	X[f]	--	--	--
D/F	1,2,3,4,6,7,8-HpCDD	X	X	--	TBD
D/F	1,2,3,4,6,7,8-HpCDF	X	X	--	TBD
D/F	1,2,3,4,7,8,9-HpCDF	X	X	--	TBD
D/F	1,2,3,4,7,8-HxCDD	X	X	--	TBD
D/F	1,2,3,4,7,8-HxCDF	X	X	--	TBD
D/F	1,2,3,6,7,8-HxCDD	X	X	--	TBD
D/F	1,2,3,6,7,8-HxCDF	X	X	--	TBD
D/F	1,2,3,7,8,9-HxCDD	X	X	--	TBD
D/F	1,2,3,7,8,9-HxCDF	X	X	--	TBD
D/F	1,2,3,7,8-PeCDD	X	X	--	TBD
D/F	1,2,3,7,8-PeCDF	X	X	--	TBD
D/F	2,3,4,6,7,8-HxCDF	X	X	--	TBD
D/F	2,3,4,7,8-PeCDF	X	X	--	TBD
D/F	2,3,7,8-TCDD	X	X	--	TBD
D/F	2,3,7,8-TCDF	X	X	--	TBD
D/F	OCDD	X	X	--	TBD
D/F	OCDF	X	X	--	TBD
D/F	2,3,7,8-TCDF TEQ *	X	X	--	TBD
PCB	Aroclor 1248[j]	X	X	--	TBD
PCB	Aroclor 1254[j]	X	X	--	TBD
PCB	Aroclor 1260[j]	X	X	--	TBD
PCB	PCB Congeners[h]	X	X	X	TBD
PCB	Total PCB Congeners *	X	X	X	TBD
PCB	Total PCB Aroclors[j] *	X	X	--	TBD
PEST	DDD (4,4'- and 2,4'-)	X	X	--	TBD
PEST	DDE (4,4'- and 2,4'-)	X	X	--	TBD
PEST	DDT (4,4'- and 2,4'-)	X	X	X	TBD
PEST	Total DDT *	X	X	X	TBD
PEST	Aldrin	X	X	--	TBD
PEST	Chlordane, alpha	X	X	--	TBD
PEST	Chlordane, gamma	X	X	--	TBD
PEST	Total Chlordane (alpha & gamma) *	X	X	--	TBD
PEST	Endosulfan I	X	--	--	TBD
PEST	Endosulfan II	X	X	--	TBD
PEST	Endrin	X	X	--	TBD
PEST	gamma-BHC (Lindane)	X	X	--	TBD
PEST	Heptachlor Epoxide	X	X	--	TBD
PEST	Methoxychlor	X	--	--	TBD
SVOC	bis(2-Ethylhexyl)phthalate	X	--	--	TBD
SVOC	Benzidine	X	--	--	TBD
SVOC	bis(2-Chloroisopropyl)ether	X	--	--	TBD
SVOC	Di-n-octylphthalate	X	--	--	TBD
SVOC	Hexachlorobenzene	X	X	--	TBD
SVOC	Hexachlorobutadiene	X	X	--	TBD
SVOC	Hexachloroethane	X	X	--	TBD
VOC	1,2-Dichlorobenzene	X	X	--	TBD
VOC	1,3-Dichlorobenzene	X	X	--	TBD

Table 5-1
Ecological Risk Assessment Target Analyte List by Exposure Media

Chemical Class	Chemical	Sediment[a]	Tissue[b]	Porewater[c]	Surface Water[d,e]
VOC	1,4-Dichlorobenzene	X	X	--	TBD
VOC	4-Isopropyltoluene	X	--	--	TBD
VOC	Benzene	X	--	--	TBD
VOC	Chlorobenzene	X	--	--	TBD
VOC	Ethylbenzene	X	--	--	TBD
VOC	Isopropylbenzene	X	--	X	TBD
VOC	n-Butylbenzene	X	--	--	TBD
VOC	n-Propylbenzene	X	--	--	TBD
VOC	sec-Butylbenzene	X	--	--	TBD
VOC	tert-Butylbenzene	X	--	--	TBD
VOC	Toluene	X	--	--	TBD
VOC	Total xylene *	X	--	--	TBD

Notes:

*Calculated total value

a- Sediment COPC target analytes selected based on status as COPC or Uncertain COPC for aquatic receptors or wildlife

b - Tissue COPC target analytes selected based on status as COPC or Uncertain COPC for wildlife or carnivorous fish

c - Porewater COPC target analytes selected based on status as COPC for aquatic plants

d - Surface water COPC target analytes selected based on status as COPC or Uncertain COPC for aquatic receptors and potential bioaccumulation (i.e. mercury and selenium)

e - TBD chemicals have not been analyzed to date in surface water and are considered chemicals of interest (COI) and will be considered as target analytes for surface water

f- Alkylated PAH homologs were not evaluated directly in the COPC screening but were added to the COPC list based on their recommended inclusion in equilibrium partitioning benchmark methods

g - These PAH were not assessed directly for wildlife receptors but were added as tissue COPC based on their inclusion in the Total PAH calculation

h - Congeners 1-209

i - Based on potential bioaccumulation

j - Aroclors are included primarily for comparison purposes to PCB Congener results.

TBD - To be determined

FIGURES

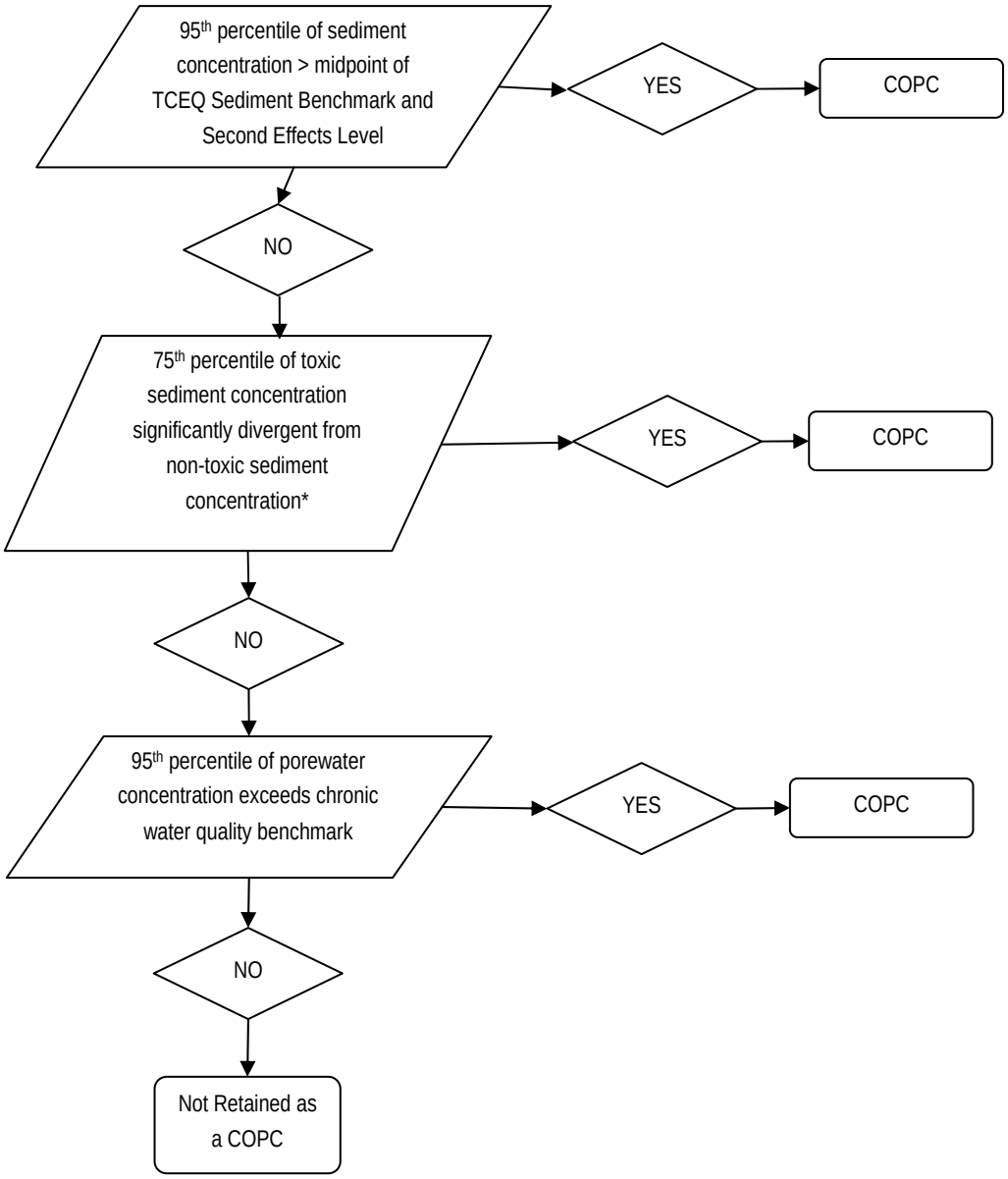
J:\Jobs\040284-Patrick_Bayou\Maps\2008_10\Fin_2-1_COPCStations.mxd SMS 10/10/2008 11:40 AM

ANCHOR ENVIRONMENTAL, L.L.C.

0 500 1,000
Scale in Feet

Station numbers from Patrick Bayou PSCR indicate length along channel in hundreds of feet. Aerial orthoimagery from USGS, June 2002.

Figure 2-1
Sediment Station Locations Included in the Selection of COPC for the ERA Amendment to Selection of Contaminants of Potential Concern for Ecological Risk Assessment, Patrick Bayou Superfund Site, Deer Park, Texas



* Substantial divergence is defined as the 75th percentile concentration for the effects (toxic) distribution exceeding the 75th percentile concentration for the no effects distribution (non-toxic) by a factor of two.

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Figure 3-1
Aquatic Receptor COPC Selection Process Flowchart
Patrick Bayou Superfund Site, Deer Park, Texas

ATTACHMENT A

RESPONSE TO AGENCY COMMENTS ON THE DRAFT SELECTION OF CONTAMINANTS POTENTIAL OF CONCERN FOR ECOLOGICAL RISK ASSESSMENT, PATRICK BAYOU SUPERFUND SITE, DEER PARK, TEXAS

Comment	Response
Comment from Philip K. Turner, Ph.D., Life Scientist/Risk Assessor, US EPA (6SF-TR), dated May 23, 2008	
1) p 5, § 1.2.2, ¶ 2: "Potential receptors…" This paragraph, or one in close proximity should explain and justify why only mammals and birds are considered as potential receptors. It is presumed that these were chosen based on possible food chain effects, but not all COPCs are bioaccumulative. This point, and the lack of lower-level receptors must be thoroughly explained/discussed.	The reviewer is correct that the paragraph is unclear with respect to which receptor groups were evaluated in the analysis. A much more complete and extensive list of potential ecological receptors was chosen. Food chain analysis for bioaccumulative chemicals was performed for mammalian, avian, and fish receptor groups. Aquatic receptors (including fish, benthic invertebrates, and aquatic plants) were selected as receptors for exposure to sediment- and surface water-associated contaminants. Reptiles and amphibians were considered potential receptor groups, but were not evaluated directly in the current analysis due to the lack of robust benchmarks to assess potential toxicity of Site contaminants. Rather, other wildlife and aquatic receptor groups (e.g., birds, fish, etc.) were considered surrogates for this group. In addition, threatened, endangered, and rare species that may be present in Harris County, Texas, is discussed in the Amendment to the COPC Memo. Each species' life history, dietary requirements, and residency status (e.g., winter guest, transient, or endemic) in Harris County is discussed in the Amendment to the COPC Memo. This information will be used to determine if federal or state listed threatened, endangered, or rare species may occur at the Site and their likelihood of exposure.
2) p 6, § 1.2.2.2, Aquatic-Dependent Wildlife, last sentence: "which renders it generally unsuitable for use by aquatic-dependent wildlife". "for use" should be changed to "for drinking" or "for ingestion", as the brackish water has many uses that are very suitable.	The sentence referred to by the reviewer is modified as follows: "Ingestion of drinking water is considered complete, but exposure is assumed to be negligible due to the brackish nature of the surface water, which renders it generally unsuitable for ingestion by aquatic dependent wildlife."
3) p 8, § 2.1, Surface Water, ¶ 2: This paragraph states that four chemicals were identified as first-tier PCOPCs. Cadmium	TCEQ (2006) performed an evaluation of the bioaccumulation potential of metals in surface water by setting the exposure point

Comment	Response
should be included as it also has relatively high potential for bioaccumulation, especially at lower levels of the food chain.	concentration for a dietary-based bioaccumulation model of a piscivorous bird (i.e., kingfisher) to the State chronic aquatic life surface water standard (e.g., cadmium = 10 µg/L). The kingfisher model was chosen due to its relatively higher potential exposure to surface water through food chain uptake compared to other wildlife receptors. The only metals that would pose a bioaccumulation risk to wildlife at the state-based chronic aquatic life surface water standards are mercury and selenium. TCEQ concluded that for other metals (e.g., cadmium), no bioaccumulation risk existed if concentrations at a site did not exceed the state water quality chronic criteria. The JDG believes that the scientific basis of the TCEQ analysis is appropriate and relevant for the Site. Cadmium did not exceed the state chronic aquatic life water quality standard or the USEPA National Recommended Water Quality Criteria Saltwater CCC value of 8.8 µg/L in any samples collected at the Site (Table A-4). Using this basis, cadmium was not selected as a bioaccumulative COPC for surface water. Mercury and selenium, although not detected above their respective Texas chronic aquatic life water quality standards, will be selected as potentially bioaccumulative COPCs for surface water at the Site, as these standards are not considered protective of bioaccumulative pathways. Copper, which has a site-specific Texas chronic aquatic life water quality standard, was not proposed as a surface water COPC for direct toxicity based on a comparison to this site-specific standard. This site-specific value (6.5 µg/L) is higher than the

Comment	Response
	general Texas chronic aquatic life water quality standard. Using the methods outlined in TRNCC (2001) and calculation sheets provided by Vickie Reat of TCEQ (pers. Comm. 2008), the protectiveness of the site-specific criteria of 6.5 µg/L was assessed. Model parameter values were taken from sources recommended or utilized by TCEQ in their assessment for other chemicals. A range of toxicity threshold values (TRV) identified from the literature was included to assess the sensitivity and conservatism of the model for copper. All HQ for copper using the belted kingfisher model were less than 1.0 at the site-specific chronic water quality standard was used. This indicates that the site-specific Texas chronic aquatic life water quality standard is protective of bioaccumulative pathways. Thus, copper is not considered a bioaccumulative COPC for surface water at the Site. Calculation sheets are included to allow verification of the model parameters and calculations. • *See USEPA Comment 3 Response Tables* *Reference: TNRCC Ecological Workgroup. 2001. Supporting Documentation for the Evaluation of Bioaccumulative COCs with Water Quality Standards Using the Belted Kingfisher. Memorandum to File.*
4) p 8, § 2.1, Surface Water, ¶ 3: The phrase "insufficient toxicity information" is inaccurate and should be replaced with "no benchmark". There is a wealth of toxicity information out there that could be used to determine the likelihood that these chemicals may pose a threat. Only a benchmark is lacking.	Agreed. Sentence is modified to read: "To reiterate, second-tier PCOPCs are defined as those contaminants for which there is no benchmark to determine their COPC status."
5) Table A-4, A-6: This table or an associated table should have a column for Total as well as dissolved metals, Minimum	Accepted for Table A-4 and A-6. Total and dissolved fractions for metals are provided in revised Table A-4 (attached). Revised

Comment	Response
Detection Limits (for all analyses),	Table A-6 is attached as well. • *See Attachment: Revised Appendix Table A-4 and A-6*
6) Table A-6: Please include a legend explain what the "*" associated with the "Exceeds Benchmark" column stands for. It appears that it signifies zero detection frequency, and/or detection limits greater than the benchmark.	Table A-6 has been revised (see attached table) to include appropriate footnotes. The '*' does indicate COIs that were not detected and whose maximum detection limit was compared to the benchmark. • *See Attachment: Revised Appendix Table A-6*
Comments from Barry Forsythe, Ph.D., Technical Liaison, U.S. Fish & Wildlife Service, dated May 23, 2008	
General Comments 1) In general this document made for difficult review. Throughout, several key items for discussion are simply referenced to another document or appendices, thus requiring the reviewer to do a lot of back and forth review.	The arrangement of the document was intended for readability by non-technical (e.g., those outside the risk assessment discipline) and technical reviewers alike. The text of the document served as a more readable document for non-technical personnel while the appendices were intended for a more technical discussion with a greater level of detail. All discussion in the text of the document should be repeated, albeit with additional detail, in the appendices. This approach was considered necessary for communication of risk assessment issues to all involved.
Specific Comments	
1) § 1.2.2.1: Ingestion of biota should be added as a complete exposure pathway for epibenthic invertebrates (i.e., crabs).	Accepted. Ingestion of biota is considered a complete exposure pathway for epibenthic invertebrates (i.e., crabs). Future submittals will reflect this revised pathway.
2) § 3.1.2, Page 13: With regard to the biologically active zone (BAZ), it is stated, "Given the generally lower concentrations near the surface (i.e., 0 to 2 cm), this assumption is considered conservative." Conservative may not be the appropriate term. If the near surface sediment is less contaminated and it is uncertain	Accepted. Nonetheless, using the surface interval of 0 to ~11cm data for selection of COPC is considered a reasonable assumption based on best professional judgment. As discussed in the July 16, 2008, meeting with USEPA and trustees, the JDG will submit a sampling and analysis plan designed to identify the

Comment	Response
the true BAZ, then the current data (i.e., 0 to 11 cm) could be insufficiently conservative if the concentrations increase with depth and the BAZ extends beyond the 11 cm mark.	mixing zone for Site sediment. High resolution (i.e., 2 cm interval) cores will be collected and analyzed for selected COPC to identify the depth to which sediments are mixed. These data will be used to 1) calibrate the fate and transport sediment model and 2) identify the depth interval that will be sampled in subsequent investigations to characterize potential exposure of ecological receptors. Data collected from this depth interval will be used to refine the exposure assessment for ecological receptors in the ERA.
3) § 3.1.4, Page 14: Please clarify why the data from the whole sediment toxicity tests from the TMDL were excluded from assessment inclusion based on a small sample size ($n \leq 6$). Assuming the tests followed approved methodologies and met associated performance criteria, the number of locations tested should not be grounds for excluding the data.	Based on discussions with the regulatory agencies on July 16, 2008, additional whole sediment and biological effects data were identified that met the project data selection criteria and should be included in the project database. These additional data, summarized in the Amendment to the Draft COPC Memo, are to be included in the selection of ecological COPC for the Site, assuming that the performance and acceptance criteria can be met to the satisfaction of USEPA, TCEQ, the trustees, and JDG. These additional data include all relevant biological effects data, including, it is assumed, those referred to in this comment
4) § 3.3.1, Page 17-18: The line of evidence approach for classifying COPCs is appropriate and useful in refining data gaps. However there is concern with the applicability of some of the lines selected and the weighting of each of the lines of evidence. Firstly, it is unclear how site-specific whole sediment toxicity tests can be used to select and/or refine a COPC list. At a minimum, TIE studies would have to be utilized to determine the class of contaminants eliciting the effects from exposure to a media containing a myriad of contaminant mixtures. Secondly, after backing off to a more "realistic" exposure (95% UCL) and benchmark (ERM), any contaminant that "fails" this screen	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPC for aquatic receptors. This revised approach is hierarchical in nature with the first step being a comparison of the 95th percentile (not 95% UCL) concentration of PCOPC in surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). Preliminary COPC with 95th percentile concentrations greater than their respective SQG are considered COPC for the ERA. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is included in Agreement #2 in *Agreements and*

Comment	Response
should be considered a COPC (for quantitative evaluation), regardless of the other lines of evidence. This particularly applies to number of metals (chromium, nickel, zinc) and pesticides for benthic invertebrates (Table 3-2).	*Action Items, July 16, 2008 Technical Memorandum* (included as Attachment E to the Amendment to the Selection of COPC Memorandum).
5) § 3.4.1.2, Page 26-27: The screening of bioaccumulative COPCs for wildlife appears to have only incorporated ingestion of prey items. For some receptors the incidental ingestion of sediment can be a significant source of exposure, and therefore should be considered in the calculations. In addition, relegating those contaminants with $NOAEL_{HQs} \geq 1 \geq LOAEL_{HQs}$ (classified as indeterminant risk) to only a qualitative assessment is inappropriate. As mentioned above, the screening did not incorporate a total exposure (diet and incidental sediment ingestion) and an exceedance of the no effect value could pose risk to listed T&E species, for which surrogates have been chosen as representatives in this assessment.	Based on discussions with the regulatory agencies on July 16, 2008, a revised exposure assessment will be used to identify bioaccumulative and non-bioaccumulative COPCs for wildlife receptors. A deterministic, dietary exposure model will be used that incorporates incidental sediment ingestion into the exposure model for bioaccumulative and selected non-bioaccumulative PCOPC. In addition, surrogate species will be used to model potential exposure to selected State and Federal listed threatened, endangered, or rare species that may be exposed to the Site. $NOAL_{HQ}>1$ for the surrogate species will be selected as COPC for potentially threatened, endangered, or rare species that may potentially be exposed to the Site. Details regarding the selection of State or Federal listed species potentially exposed to the Site, selection of appropriate surrogate species and exposure assessment, and risk characterization/selection of COPC are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and the Amendment to the COPC Memorandum.
Comments from Jessica White – NOAA, Tammy Ash - FWS, Keith Tischler – GLO, and Don Pitts – TPWD, dated May 23, 2008	
General Comments	
1) It appears that a modified approach is being used to go from SLERA to BERA by using "more site specific and exposure specific measures of exposures and effects" to determine which COPCs are carried forward into the ERA. Typically, all COPCs exceeding the screening level benchmarks are carried forward for further analysis, at which point the ERA is refined using more	In December of 2006, the JDG submitted a document titled *Preliminary Contaminant of Potential Concern Selection*. This document was reviewed and commented on by USEPA, NOAA, and TCEQ. Responses were provided by the JDG. This document identified preliminary COPCs using conservative assumptions, including comparisons to TCEQ screening

Comment	Response
site specific information. Screening COPCs based on site specific information prior to the ERA process prematurely truncates the evaluation of ecological risk, is less conservative and transparent. As a result risk may be underestimated. The criteria that are of concern are listed in the specific comments.	benchmarks and identification of potentially bioaccumulative PCOPC based on their presence in Site media. Subsequent to this document, USEPA requested a memorandum to refine the list of COPCs prior to the ERA Work Plan. The reviewed document was submitted to meet this requirement. Refinement of COPCs beyond the preliminary COPCs includes the use of more site-specific measures of exposure and effects; otherwise, a meaningful refinement of COPC is not possible. The JDG believes that the COPC selection process was conservative for the purposes of selecting COPC, but is mindful of the need to provide additional transparency and to satisfactorily demonstrate the conservative nature of the COPC selection process in the response to agency comments and in the final document. Please see responses to specific comments below.
2) Many COPCs are relegated to the uncertainty analysis for qualitative evaluation. Remedial decisions are based on quantitative evaluations of ecological risk, therefore qualitative evaluations of a long list of compounds (some of which are know to be ecologically significant) does not move us toward an adequate remedial decision which is the end goal of the Superfund process. In order to fully delineate ecological risk to receptors at the site from the mixture of chemicals in various media, quantitative evaluations of each COPC should be performed when possible. If a COPC has no screening benchmark, eco risk guidance allows for and suggests methods to develop alternative benchmarks	Chemicals identified as Uncertain COPCs will not be dropped from the ERA. All chemicals identified as COPCs will be included as target analytes in the ERA Work Plan investigations and will be included in quantitative characterization of risk in the ERA. For these chemicals, however, a framework will be proposed in the ERA Work Plan to identify their final status as COPC using results of the additional investigations performed for the ERA Work Plan. Based on this framework and additional investigations performed, Uncertain COPCs may be identified as COPCs (quantitatively evaluated in the ERA), remain Uncertain COPCs (qualitatively evaluated in the ERA), or excluded as COPCs (not included in the ERA).
3) Although a previous document labeled some COCs as Site COPCs and others as not site related, it failed to give a rationale	The industrial facilities surrounding the bayou have been in operation for a number of years and have used a variety of

Comment	Response
for the classification (i.e XYZ facility does not produce XYZ chemical or use it in its process). Our understanding was this document would include a more thorough discussion of that distinction. It would be helpful perhaps to list each facility, and which chemicals are used or produced in their processes.	chemicals as part of their operations. It is not necessary or relevant to account for all of the chemicals that may have been utilized at these sites and other upstream facilities along the East Fork, the Houston Ship Channel, and the City of Deer Park. The ecological risks to the Site are defined by concentrations of chemicals present in the surface water and sediments within the Site boundary. Sediments at the Site have been adequately characterized over the last 10+ years by TCEQ, USEPA, the TMDL group, and the Patrick Bayou JDG to identify COPCs as defined in this screening document. Additional water quality evaluations are planned to further evaluate COPCs in surface water.
Specific Comments	
1) Section 3.3 page 16: The document states "PCOPCs relating to aquatic-dependent wildlife exposure (amphibians, birds, and mammals) are assessed through the bioaccumulative chemical screening." All PCOPCs relating to aquatic-dependent receptors greater than a benchmark should be evaluated in a food chain analysis, not just bioaccumulative compounds.	Based on discussions with the regulatory agencies on July 16, 2008, a revised exposure assessment will be used to identify non-bioaccumulative COPC for wildlife receptors. A deterministic, dietary based incidental sediment ingestion exposure assessment will be performed for non-bioaccumulative chemicals. Non-bioaccumulative PCOPC that have 95th percentile concentrations exceeding the secondary SQG (i.e., TCEQ Second Effects Levels) will be included in the incidental sediment ingestion model for selected receptors (i.e., sediment probing birds, omnivorous mammals, and piscivorous mammals). Details and results of this analysis are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and Amendment to the COPC Selection Report.
2) Section 3.3.1 – Benthic Invertebrates 2) Section 3.3.1 – Benthic Invertebrates This section needs expansion and clarification. a) The ERM is the level at which effects are likely to occur – this	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPCs for aquatic receptors. This approach was hierarchical in nature with the first step being a comparison

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is not a very protective level for sensitive receptors. The 95% UCL should not be compared to the ERM to determine whether a sediment COPC is to be carried into the ERA. Using the default PCL (midpoint between ERL and ERM) would be more appropriate.	of the 95th percentile concentration of PCOPCs in surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). Preliminary COPCs with 95th percentile concentrations greater than their respective SQG are considered COPCs for the ERA. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is summarized in Agreement #2 in *Agreements and Action Items, July 16, 2008 Technical Memorandum* (included as Attachment E).
b.) The AVS/SEM and EqP approaches do not consider exposure via ingestion nor the micro oxygenation of the sediments surrounding benthic infauna and thus may underestimate risk to receptors. While the results of these models might be used in a multi-path line of evidence approach to the discussion of uncertainty regarding predicted risk, it is not appropriate to use these models to screen out COPCs.	Based on discussions with the regulatory agencies on July 16, 2008, this line of evidence will not be used to select COPCs for the ERA.
c.) This approach assumes all lines of evidence should be weighted equally and are equally important in the ERA process. Lack of site specific data is not enough reason to exclude quantitative evaluation of PCOPCs. Most NPL sites do not have adequate site specific data for every compound of concern, and often rely solely on chemistry data in the ERA process. This document fails to present sound reasoning as to why COPCs should be relegated to the uncertainty analysis solely because every type of site specific data possible is not available.	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPC for aquatic receptors. A hierarchical approach was chosen in favor of the weight-of-evidence approach as it was considered less subjective and more transparent. Several lines of evidence were evaluated in a step-wise fashion with the first step being a comparison of the 95th percentile (not 95% UCL) concentration of PCOPC sin surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). Preliminary COPCs with 95th percentile concentrations greater than their respective SQG are considered COPCs for the ERA. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is summarized in Agreement #2 in *Agreements and Action Items, July 16, 2008 Technical Memorandum* (included as Attachment E).

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d. Chemicals which receive a mixture of 'pass' and 'fail' classifications should still be quantitatively evaluated in the risk characterization if they exceed benchmark comparisons and/or are bioaccumulative in nature. Many of the COPCs which are eliminated in this step have significant harmful effects on ecological receptors, including but not limited to, cadmium, chromium, lead, various Aroclors, pesticides, and TCDD.	Please see response to Comment #2c above.
e. Placing dioxins/furans in the uncertain category is a major concern since these COCs often are risk drivers in risk assessments.	The initial step by which TCDD (and related compounds) is thought to exert toxicity is through binding to the cytosolic Ah receptor and is clearly a prerequisite for TCDD to exhibit toxicity. The presence of the Ah receptor in fishes, birds, and mammals, and lack of the receptor in aquatic invertebrates, is consistent with the relative sensitivity of these groups of species to TCDD and structurally-similar compounds. While toxicity from TCDD has been demonstrated in numerous studies of fish, birds, and mammals, long-term exposure of a number of invertebrate species (snails, worms, daphnids, and mosquito larvae) and aquatic plants to TCDD failed to cause discernable toxicity (USEPA 1993). In the selection of COPCs, TCDD and related compounds were identified as Uncertain COPCs for benthic invertebrates but were identified as a primary COPCs for fish based on their potential sensitivity to TCDD, despite lacking a benchmark or site-specific line of evidence to that effect. For wildlife receptors, TCDD and related compounds were selected as a primary COPC for mammals and an Uncertain COPC for birds based on dietary exposure to contaminated prey items. *Reference: USEPA. 1995. Interim Report on Data and Methods for*

Comment	Response
	Assessment of 2,3,7,8-Tetrachlorodibenzo-p-dioxin Risks to Aquatic Life and Associated Wildlife. EPA/600/R-93/055. Environmental Research Laboratory. Office of Research and Development. Duluth, MN.
3) Section 3.4.1.2 pages 26-27: Only chemicals with a LOAEL greater than 1 will be evaluated in the ERA. This is not protective of any threatened or endangered species possibly present at the site. For a T and E species or their surrogates, chemicals should be retained at the NOAEL greater than 1 level.	Surrogate species will be used to model potential exposure to selected State and Federal listed threatened, endangered, or rare species that may be exposed to the Site. $NOAL_{HQ}$>1 for the surrogate species will be selected as COPC for potentially threatened, endangered, or rare species that may potentially be exposed to the Site. Details regarding the selection of State or Federal listed species potentially exposed to the Site, selection of appropriate surrogate species and exposure assessment, and risk characterization/selection of COPCs are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and the Amendment to the COPC Memorandum.
4) Section 4 page 29: The document states that "eliminating PCOPCs that pose little to no potential risk to ecological receptors will increase the efficiency of subsequent ERA steps to better refine risk estimates for the Site," and yet the analysis fails to convince the reviewer that any of the "uncertain" COPCs do pose little or no risk. Simply because one or two lines of evidence 'pass' or do not exist for a certain chemical does not mean it poses little or no risk. In fact, since these "uncertain" COPCs are never evaluated in a quantitative manner, it is impossible to say for certain that they do or do not pose ecological risk. The ERA process is also meant to address risk to receptors from mixtures in the environment, by not evaluating multiple COCs quantitatively, this ERA may greatly underestimate risk to eco receptors.	Chemicals identified as Uncertain COPCs will not be dropped from the ERA. Uncertain COPCs will be included as target analytes in the ERA Work Plan investigations. For these chemicals, however, a framework will be proposed in the ERA Work Plan to identify their final status as COPCs using results of the additional investigations performed for the ERA Work Plan. Based on this framework and additional investigations performed, Uncertain COPCs may be identified as COPCs (quantitatively evaluated in the ERA), remain Uncertain COPCs (qualitatively evaluated in the ERA), or excluded as COPCs (not included in the ERA).
5) Appendix C page C-4: It is inappropriate to eliminate an	Mink and otter are not eliminated from further evaluation in the

Comment	Response
entire feeding guild (piscivorous mammal) from evaluation in the ERA. If the preparer feels strongly about not using the mink or otter, they should suggest another suitable receptor from that guild.	ERA. However, it is expected that a work plan will be proposed to investigate the level of Site use by these receptors and that this information will be used to develop a model describing the proportion of time such receptors may use the Site. This information is expected to be used in the exposure assessment of the ERA. To avoid confusion, the text of the reviewed document (pg C-4, first ¶, last sentence), is modified to read: "Given the potential uncertainty in the exposure of this receptor group because of their relatively large foraging area and habitat requirements relative to the Site, additional evaluation will be proposed as part of the ERA to assess the potential exposure of this receptor group to the Site."
TCEQ Comments prepared by Vicki Reat, dated May 21, 2008	
General Comments	
1) We understood from our meeting in Austin on May 30, 2007, that the future risk assessment may rely on the Calcasieu baseline ERA to some extent for input data, as well as the approach for evaluating some exposure pathways. This particular submittal confirmed that intent. A simple word count for Calcasieu indicates 22 hits. We caution the JDG to ensure that the risk assessment (and related submittals) provides transparency to the reviewer with minimal need to mine information from other reports and their appendices. We have no reason to believe that the Calcasieu approach was flawed in any way. Since Texas risk assessors and project managers were not involved in that project, we have no information to judge the Calcasieu approach one way or another. With this in mind, future submittals should be careful not to present a mind-set	Noted and accepted. It is not the JDG's intent to adopt the EPA-developed BERA approach without critical evaluation and modification, where appropriate, of the approach used. While the JDG believes the Calcasieu Estuary BERA provides an appropriate template for the Patrick Bayou ERA, the appropriateness and relevance of each approach will be carefully considered before their recommendation or implementation. Additional consideration will be taken in future submittals when proposing to adopt the approaches from the Calcasieu Estuary BERA to ensure that all stakeholders have adequate information to judge their validity.

Comment	Response
(right or wrong), that whatever was used at Calcasieu, should be good enough (and appropriate) for Patrick Bayou.	
2) Looking at the various screening exercises in this document, poly-chlorinated biphenyls (PCBs, as a chemical) are listed as individual aroclors, Total PCB aroclors, individual congeners, and as Total PCB congeners. How will the JDG integrate this mixture of historical data with new data, if at all? Also, what kind of data will be given precedence for each particular pathway?	Historically, total PCBs have been reported as the sum of the Aroclor values where Aroclor determination is based on comparison to an Aroclor standard. This was previously due to an inability to discern individual congeners. The analytical determination of Aroclors does not take into account physiological, spatial, or temporal changes in the Aroclor mixtures. The preferred analytical method for determination of total PCBs is to sum the PCB congeners, which accounts for weathering and metabolic processes that can modify toxicity and is particularly relevant to concentrations in higher trophic level organisms. Congener-specific methods avoid the need to determine which Aroclor profile most closely fits the detected congener profile in biota or media samples, and does not require assumptions to be made about congener metabolism and weathering. Therefore, PCB congener-specific analysis is preferred for assessing exposure of ecological receptors at the Site. It is expected that future work plans will be based on the assumption that the ecological exposure assessment will be based on congener-specific analysis. A potential drawback to this approach is that the available toxicity effects data is dominated by Aroclor-based effects analysis. This may generate some uncertainty when comparing exposure and effects for PCBs. However, the uncertainty in this comparison is considered to be less than that that would result from an Aroclor based exposure assessment. Attempts will be made to identify recent effects data for ecological receptors which are based on congener specific

Comment	Response
	analysis. In addition, Aroclors are expected to be analyzed in a subset of samples collected during future RI/FS sampling investigations to provide some basis of comparison between Site Aroclor and congener-specific concentrations in Site media.
3) Far too many contaminants of potential concern (COPCs) have been categorized as Uncertain for the various exposure pathways. We suggest that the JDG reconsider the overall screening process to ensure that various COPCs, for which there are toxicity data, are systematically evaluated in a quantitative, transparent fashion. See related comment 20.	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPCs for aquatic receptors. A hierarchical approach was chosen in favor of the weight-of-evidence approach as it was considered less subjective and more transparent. Several lines of evidence were evaluated in a step-wise fashion with the first step being a comparison of the 95th percentile (not 95% UCL) concentration of PCOPCs in surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). Preliminary COPC with 95th percentile concentrations greater than their respective SQG are considered COPCs for the ERA. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is summarized in Agreement #2 in *Agreements and Action Items, July 16, 2008 Technical Memorandum* (included as Attachment E). In addition, chemicals identified as Uncertain COPCs will not be dropped from the ERA. Uncertain COPCs will be included as target analytes in the ERA Work Plan investigations. For these chemicals, however, a framework will be proposed in the ERA Work Plan to identify their final status as COPCs using results of the additional investigations performed for the ERA Work Plan. Based on this framework and additional investigations performed, Uncertain COPCs may be identified as COPCs (quantitatively evaluated in the ERA), remain Uncertain COPCs (qualitatively evaluated in the ERA), or excluded as COPCs (not

Comment	Response
	included in the ERA).
Specific Comments	
4) 1.2.1 Source, Release, and Transport Mechanisms - Although the vertical characterization of chemicals in sediment (Anchor 2007e) showed an overall decline in concentration of many COPCs towards the surface at the stations sampled, this is not necessarily the case for all portions of Patrick Bayou. For example, in August 2006 the TCEQ collected 4 sediment samples from Patrick Bayou for toxicity and chemical evaluation in cooperation with the U.S. EPA Narragansett Lab. In 2 of the samples(stations "3" and "4A", which are in the pilot channel in the downstream portion of the bayou), extremely high concentrations of mercury (159 mg/kg and 91.9 mg/kg) and Aroclor 1248 (17,000 ug/kg and 150,000 ug/kg) were measured in the top 10 cm (or less) of the sediment. These concentrations are similar to subsurface concentrations that were documented in core samples collected as a part of the vertical characterization process, and much higher than the concentrations measured in the top 10 cm of sediment at the stations used in the Anchor 2007e study. These higher surface concentrations in the deeper portions of the Patrick Bayou channel indicate that some areas of the site may be erosional, while many of the ones measured in the middle of the stream (and used in the site characterization) are depositional. Because of this heterogeneity with water depth, evaluating surficial sediment alone (top 10 or 11 cm) in the selection of COPCs may not be appropriately conservative at some locations. Minimally we suggest the uncertainty analysis couple this consideration with the analysis of the hydrodynamic stability of bed sediments and sediment accumulation rates.	As discussed in the July 16, 2008, meeting with USEPA and trustees, the JDG will submit a sampling and analysis plan designed to identify the mixing zone for Site sediment. High resolution (i.e., 2 cm interval) cores will be collected and analyzed for selected COPCs to identify the depth to which sediments are mixed. This data will be used to 1) calibrate the fate and transport sediment model and 2) identify the depth interval that will be sampled in subsequent investigations to characterize potential exposure of ecological receptors. Data collected from this depth interval will be used to refine the exposure assessment for ecological receptors in the ERA. The fate and transport sediment model will provide for identifying the depositional and erosional areas of the Site and allow prediction of changes in sedimentation and rates of recovery under different hydrological conditions and time frames.

Comment	Response
5) 1.2.2 Exposure Media and Pathways and Potential Receptor Groups - Potential receptors evaluated in the COPC screening include mammals (river otter, raccoon, and mink) and birds (spotted sandpiper, great blue heron, and the belted kingfisher). The discussion adds that by selecting these relatively sensitive species, other less sensitive species will also be protected. This discussion and those in Section 3.4 and Appendix C make no mention regarding the possibility that protected species could possibly forage in Patrick Bayou. We suggest that the JDG review Issues #5 and #19 in TCEQ, 2005[1] regarding the agency's approach for conservatively evaluating protected species in ecological risk assessments. Also see comment 8.	Surrogate species will be used to model potential exposure to selected State and Federal listed threatened, endangered, or rare species that may be exposed to the Site. $NOAL_{HQ}$>1 for the surrogate species will be selected as COPC for potentially threatened, endangered, or rare species that may potentially be exposed to the Site. Details regarding the selection State or Federal listed species potentially exposed to the Site, selection of appropriate surrogate species and exposure assessment, and risk characterization/selection of COPC are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and the Amendment to the Draft COPC Memo.
6) 1.2.2.1 Aquatic Receptors - Epibenthic invertebrates, especially crabs, also ingest biota and probably some sediment as well.	Accepted. Ingestion of biota is considered a complete exposure pathway for epibenthic invertebrates (i.e., crabs). Future submittals will reflect this revision.
7) 2.2 Sediment - The discussion indicates that a total of 41 surface sediment samples (0-10 or 11 cm interval) were included in the preliminary COPC screening process. Why was the analysis limited to these 41 samples? The discussion should clarify which samples were used. Anchor 2007d (dated 2-16-2007), states that 41 sediment samples were collected from the site by others in the past 10 years. How many additional surficial sediment samples have been collected within the superfund process and were those data used in this screening process?	Based on discussions with TCEQ during the July 16, 2008 meeting, it was determined that the project database was incomplete. Missing data were identified with the help of TCEQ (Dr. Linda Broach) and has been added to the project database. Briefly, results of chemistry and bioassay tests performed by TCEQ/USEPA with split samples collected in conjunction with the Patrick Bayou TMDL Lead Organization in August, 2003 were added as well as several routine monitoring samples collected by TCEQ (chemistry only). The Amendment to the Draft COPC Memo provides a complete list of samples included in the reanalysis and selection of COPC.
8) 3.1.4 Biological Effects Data (first paragraph) - The samples	As with Comment #7 above, additional biological effects data

[1] TCEQ. 2005. Position Paper on Common Issues Encountered During the Review of Ecological Risk Assessments. Remediation Division. http://www.tceq.state.tx.us/assets/public/remediation/positionpaper.pdf

Comment	Response
collected in August 2003 (n=5 in project area) and in August 2006 (n=4 in project area) should be included in the toxicity analysis. Split samples from August 2003 were analyzed independently by U.S. EPA and by the TMDL study participants; therefore, two sets of toxicity and sediment chemistry data are available for those 5 sample events.	were added to the project database. This included the toxicity data referred to in this comment (i.e., N=5, August 2003; N=4, August 2006). All samples used in the reanalysis and selection of COPC are listed in the Amendment to the Draft COPC Memo.
9) 3.1.4 Biological Effects Data (second paragraph) - The toxicity data set used is described as 28 samples from 13 different locations (from the TMDL study). The TMDL study collected toxicity information from 15 locations within the Site. Which locations were used in this screening evaluation and why were the remainder not used?	The toxicity data set has been revised based on discussions between USEPA, trustees, and the JDG consultants. This revised data set includes 14 unique (N=14) locations (Station #2 is outside the RI/FS project boundary) and t32 (N=32) samples collected and analyzed by the PBS&J on behalf of the Patrick Bayou TMDL Lead Organization. The complete list of samples included in the revised project database are described in the Amendment to the Draft COPC Memo.
10) 3.1.4 Biological Effects Data (third and fourth paragraphs) - This section discusses the potential uncertainty due to "Confounding Factors" that could increase the apparent toxicity of a test sediment. It would also be appropriate to acknowledge that some factors, such as selection of appropriate test organisms, the use of only lethal endpoints or the short duration of toxicity tests, in general, can also mask toxicity in some cases.	Noted and agreed.
11) 3.2 Surface Water Refinement - The text indicates that sulfate, fluoride, non-priority metals, nutrients, and dioxins/furans were found to have insufficient toxicity information to be evaluated through the refined screening and are considered uncertain COPCs to be evaluated in the ERA uncertainty assessment. Regarding nutrients, please see comment 10 that is listed with the Appendix B comments.	See response to Comment #10.
12) 3.3.1 Benthic Invertebrates - See comments 25 through 28 associated with Appendix B.	See response to Comments #25 through 28.

Comment	Response
13) 3.3.1 Benthic Invertebrates - To identify COPCs in sediment for benthic invertebrates, the first line of evidence used was a comparison of the 95 percentile exposure point concentrations (rather than the maximum detected value) to sediment quality guidelines (e.g., Effects Range - Median; ERM). This seems inappropriate at this step, since the sample data was already screened and deemed appropriate. The maximum detected concentrations are not outliers" in the case of this Site - they represent areas of high concentration that are quite relevant when overall exposure is considered. Most of these maximum concentrations are supported by the extremely high concentrations found below the surface at this Site (and the availability of these higher concentrations may be greater than has been acknowledged heretofore). See comment 4.	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPCs for aquatic receptors. A hierarchical approach was chosen in favor of the weight-of-evidence approach as it was considered less subjective and more transparent. Several lines of evidence were evaluated in a step-wise fashion with the first step being a comparison of the 95th percentile (not 95% UCL) concentration of PCOPCs in surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). Preliminary COPCs with 95th percentile concentrations greater than their respective SQG are considered COPCs for the ERA. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is summarized in Agreement #2 in *Agreements and Action Items, July 16, 2008 Technical Memorandum* (included as Attachment E).
14) 3.3.1 Benthic Invertebrates - Continuing on from the previous comment, we are not Comfortable with the use of a higher benchmark such as an ERM as opposed to the midpoint concentration or some other, more conservative sediment screening value. Partly because of the diverse sources of contaminants, Patrick Bayou contains many different chemicals at elevated concentrations, often at the same site at the same time. Moving up to a secondary benchmark could screen out chemicals that may not be a problem individually. However, in Patrick Bayou these contaminants occur frequently at levels well above lower level benchmarks. In combination with one another, the potential risks to benthic invertebrates could be more pronounced. Put another way, if a site has 10 different contaminants at levels corresponding to about 80% of an ERM-	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPCs for aquatic receptors. A hierarchical approach was chosen in favor of the weight-of-evidence approach as it was considered less subjective and more transparent. Several lines of evidence were evaluated in a step-wise fashion with the first step being a comparison of the 95th percentile (not 95% UCL) concentration of PCOPCs in surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). Preliminary COPCs with 95th percentile concentrations greater than their respective SQG are considered COPCs for the ERA. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is summarized in Agreement #2 in *Agreements and Action Items,*

Comment	Response
type screening value, the overall effect would likely be greater than that for a site with only one contaminant that slightly exceeded the ERM. By using a midpoint or lower sediment screening level, the cumulative risk may be more appropriately addressed.	*July 16, 2008 Technical Memorandum* (included as Attachment E).
15) 3.3.1 Benthic Invertebrates - Each of the lines of evidence presented points to a potential for risk to benthic invertebrates. None of these lines of evidence alone can clearly demonstrate the absence of risk. Consider for example, a COPC can still exert an effect: • where it is not dissolved in pore water a1 a level above a water quality standard • where it does not exceed a sediment quality guideline (SQG) • (particularly a higher SQG) • where it does not exceed a SQG but is present in combination with other chemicals, • or where a benchmark has not been established for a particular chemical. We suggest that where any of the lines of evidence show a "Fail", then that contaminant should be carried forward, unless there is an overwhelming reason to suggest that the COPC does not pose any risk	Based on discussions with the regulatory agencies on July 16, 2008, a revised line-of-evidence approach was agreed to for selecting ecological COPC for aquatic receptors. A hierarchical approach was chosen in favor of the weight-of-evidence approach as it was considered less subjective and more transparent. Several lines of evidence were evaluated in a step-wise fashion: 1. Comparison of the 95th percentile (not 95% UCL) concentration of PCOPC in surface sediment to their respective SQG (i.e., midpoint of the TCEQ Sediment Benchmark and Second Effects Level). 2. Comparison of PCOPC contaminant distributions between toxic and non-toxic sediments 3. Comparison of the 95th percentile pore water concentration to appropriate chronic water quality benchmarks. If a PCOPC exceeded any one line of evidence, it was selected as a COPC. A summary of the hierarchical process agreed to in the July 16, 2008 meeting is summarized in Agreement #2 in *Agreements and Action Items, July 16, 2008 Technical Memorandum* (included as Attachment E). Results of the revised COPC screening are provided in the Amendment to the Draft COPC Selection Memo.

Comment	Response
16) 3.3.1 Benthic Invertebrates - Hexachlorobenzene is categorized as an Uncertain COPC based on the results in Table 3-2. It is surprising that a chemical such as Hexachlorobenzene classified as an Uncertain COPC rather than being retained as a COPC. The sediment and pore water concentrations were quite elevated at the Site. This appears to be an artifact of the evaluation process set up for the lines of evidence. In this case there was one pass and one fail, hence the JDG classified it as an Uncertain COPC.	Based on the revised line-of-evidence approach agreed to during the July 16, 2008 meeting, hexachlorobenzene was selected as a COPC for benthic invertebrates.
17) 3.4 Bioaccumulative Substances - In this refinement step, biota-sediment accumulation factors (BSAFs) and Site sediment data were used to estimate Site tissue concentrations in the tissues of prey items consumed by birds and mammals. These estimated tissue concentrations were then compared to effect-level tissue benchmarks specific for birds and mammals to determine if the bioaccumulative chemical presents an unacceptable screening level risk to these receptor groups. This evaluation only considered bioaccumulative chemicals. For ecological risk assessments performed in Texas, non-bioaccumulative chemicals are also evaluated in a desk-top food chain analysis if the chemical is greater than its respective screening benchmark (and also greater than background). We believe this is a conservative approach for receptors with higher media ingestion rates and for situations where non-bioaccumulative chemicals are present at particularly elevated concentrations. It may also (to some extent) address the uncertainty associated contaminated media on the body surface or gut of prey items. The JDG should consider inclusion of a similar screening analysis for non-bioaccumulative chemicals or provide appropriate justification for not doing so. Also see	Based on discussions with the regulatory agencies on July 16, 2008, a revised exposure assessment will be used to identify non-bioaccumulative COPCs for wildlife receptors. A deterministic, dietary based incidental sediment ingestion exposure assessment will be performed for non-bioaccumulative chemicals. Non-bioaccumulative PCOPCs that have 95th percentile concentrations exceeding the secondary SQG (i.e., TCEQ Second Effects Levels) will be included in the incidental sediment ingestion model for selected receptors (i.e., sediment probing birds, omnivorous mammals, and piscivorous mammals). Details and results of this analysis are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and the Amendment to the Draft COPC Selection Memo.

Comment	Response
related comment 16.	
18) 3.4.1 Selection of Effects Threshold Benchmarks - See related comments 15 through 25 associated with Appendix C.	(please see response to comments 15 through 25)
19) 3.4.1.2 Characterizing Potential Risk and Identification of COPC - In this analysis, chemicals for which the resulting low effect hazard quotient was greater than 1 were defined as bioaccumulative COPCs to be carried forward in the ERA for quantitative assessment. The "low-effects" benchmarks were derived using the LOAEL[2] toxicity reference value (TRV). This may not be protective of threatened or endangered species that may forage at the Site. TCEQ requires that risk calculations be carried out using the NOAEL[3] TRV at sites where these protected species could occur. Please see related comment 3.	Surrogate species will be used to model potential exposure to selected State and Federal listed threatened, endangered, or rare species that may be exposed to the Site. $NOAL_{HQ}$>1 for the surrogate species will be selected as COPCs for potentially threatened, endangered, or rare species which may potentially be exposed to the Site. Details regarding the selection of State or Federal listed species potentially exposed to the Site, selection of appropriate surrogate species and exposure assessment, and risk characterization/selection of COPCs are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and the Amendment to the Draft COPC Selection Memo.
20) 4.1 Uncertainty Assessment - The discussion reflects that the potential incremental risks posed by exposure to uncertain COPCs will be assessed qualitatively in the Uncertainty section of the ERA. The focus of the uncertainty analysis for these COPCs will be to evaluate co-location with the highest concentrations of primary COPCs that have been shown to be the primary risk drivers, and the degree to which these COPCs could contribute any additional measurable incremental risk relative to the potential risks posed by the primary COPCs. This discussion should make a distinction between COPCs for which there is toxicity data and those where data is limited or unavailable for the particular pathway in question. We also question,	It is important to note for all reviewers that chemicals identified as 'uncertain' will be carried forward in the ERA. Chemicals designated as uncertain will be included in the ERA Work Plan and SAPs so that additional data to assess the nature and extent of these chemicals in Site media will be available for the ERA. These data can be used to assess their relative importance as potential COPCs in the ERA should additional effects data become available or Site concentrations change during the RI/FS investigations. Uncertain COPCs are those chemicals for which there is either limited data, or the available Site data indicate that risks do not

[2] LOAEL = lowest observed adverse effect level
[3] NOAEL = no observed adverse effect level

Comment	Response
particularly for wildlife receptors, how this analysis will be presented if the risk assessment concludes there are no primary risk drivers. This will be a significant discussion. By our quick count, 88 chemicals were listed in Table 4-1 as Uncertain for any one pathway. Admittedly some of these overlap. Two were listed for surface water, 27 were listed for fish and benthic invertebrates, 31 for carnivorous fish, 32 for birds, and 28 for mammals.	exceed a 'low effects' (e.g., LOAEL) toxicity threshold. A screening level assessment of COPCs (Anchor 2007) was performed using conservative, screening (i.e., 'no-effects') level benchmarks to select preliminary COPCs. The purpose of this memo, prepared at the request of USEPA, was to refine the list of COPCs for the ERA. Typically, refinement of COPCs includes using more realistic and site-specific assumptions for identifying COPCs to be carried forward for quantitative risk evaluation in the ERA (USEPA 1997[4]). It is the position of the JDG that for chemicals with either effects benchmarks or site-specific effects data (e.g., whole sediment toxicity tests) that the available data (excepting organic chemicals in surface water) provides sufficient information to assesses exposure for the purposes of selecting COPCs. For some chemicals, it is reasonable to expect that effects data will be limited or unavailable for both the current analysis and in the ERA. For both conditions, these 'uncertain' COPCs will be carried forward in the ERA for qualitative assessment.
Appendix A – Summary of Preliminary COPC Screening.	
21) Table A-6 (Summary of Sediment Screening Results for Preliminary COPC Selection) - Many preliminary COPCs seem to be missing from this table. For instance, Aroclor 1248 is not listed and most of the metals and PAHs are not listed. This type of table facilitates comparison of the summary statistics for all the preliminary COPCs. Please include the summary information	Table A-6 has been revised to include these additional PCOPCs. Please note, this table includes data in the project database at the time the PCOPC selection was performed (Anchor 2007).

[4] USEPA. 1997. *Ecological risk assessment for Superfund: Process for designing and conducting ecological risk assessments.* EPA 540-R-97-006. Office of Solid Waste and Emergency Response. Washington, DC

Comment	Response
for all of the preliminary COPCs	
Appendix B - Refinement of Surface Water and Sediment COPCs	
22) 2.2 Nutrients - The JDG compared nutrient data collected in Patrick Bayou to that for the San Jacinto River (basin-wide) and Segments 1005 and 1006 (Houston Ship Channel), and concluded that nutrient levels in Patrick Bayou are within the range of these values and therefore are not related specifically to Site sources or releases. Therefore nutrients were considered Uncertain COPCs. We suggest that the JDG reconsider this conclusion for Nitrate-N and Total Kjeldahl N. The mean values for Patrick Bayou were considerably higher than those for Segments 1006 and 1005. The Basin 10 comparison is not considered relevant as this would include many smaller freshwater locations. Further, the mean nitrate-N value for Patrick Bayou (9.58 mg/L) is above the screening value of 1.10 mg/L for tidal streams.[5]	Accepted. The Basin 10 comparison will not be included in the final draft. Nitrate-N and Total Kjeldahl N will be identified as surface water COPCs based on comparison to Segment 1005 and 1006 of the Houston Ship Channel. Subsequent work plans and sampling plans will include these chemicals to assess potential risk and identify potential sources, including off-site and/or upstream sources. • *See Revised Appendix Table B-1*
23) 3.1 Exposure Data Refinement - Some areas of the site may indeed have scour depths deeper than 11 cm (see comment 4). These "pilot channel" areas should be evaluated, especially in the downstream portion of the bayou where it is very wide and very shallow.	As discussed in the July 16, 2008, meeting with USEPA and trustees, the JDG will submit a sampling and analysis plan designed to identify the mixing zone for Site sediment, including 'pilot channel' areas. High resolution (i.e., 2 cm interval) cores will be collected and analyzed for selected COPCs to identify the depth to which sediments are mixed. These data will be used to 1) calibrate the fate and transport sediment model and 2) identify the depth interval that will be sampled in subsequent investigations to characterize potential exposure of ecological receptors. Data collected from this depth interval will be used to refine the exposure assessment for ecological receptors in the ERA. The fate and transport sediment model will provide for

[5] TCEQ, 2008. Draft 2008 Guidance for Assessing and Reporting Surface Water Quality in Texas (March 19, 2008). Surface Water Quality Monitoring Program, Monitoring Operations. http://www.tceq.state.tx.us/assets/public/compliance/monops/water/08twqi/2008_guidance.pdf

Comment	Response
	identifying the depositional and erosional areas of the Site and allow prediction of changes in sedimentation and rates of recovery under different hydrological conditions and time frames.
24) 3.3.2 Site-specific Toxicity Approach - If a sediment sample was deemed toxic for one organism and non-toxic for the other (*Leptocheirus plumulosus* and *Neanthes arenaceodentata*), was it still considered "toxic"? Also, see comment 15.	A sample was considered toxic if toxicity (<80% control-adjusted survival) was observed for *Leptocheirus plumulosus* or *Neanthes arenaceodentata*. Note, however, that based on discussions with USEPA and trustees, the identification of 'toxic' samples using biological effects data has been modified. Under this modified approach, a sample would be non-toxic if no test organisms exhibited toxicity (>80% absolute survival), and highly toxic if all test organisms exhibited toxicity (<80% absolute survival) OR if any one test organism had survival less than 40% (excepting *Ampelisca abdita*). Samples that exhibited toxicity to at least one test organism were labeled as toxic. The upper distribution (75th percentile) of the non-toxic and highly toxic sample COPC concentrations were compared to identify COPC. PCOPC with highly toxic 75th percentile concentrations that exceed two times the non-toxic 75th percentile concentration will be identified as COPCs. Please see the Amendment to the Draft COPC Selection Memo for more details.
25) 3.3.3 Equilibrium Partitioning Models - We recognize that the evaluations presented in this section mirror the approaches outlined in the cited U.S. EPA Equilibrium Partitioning Sediment Benchmarks (ESBs) documents. Table B-5 summarizes the results of this analysis. The JDG should consider that without the actual individual inputs for each sample location, the reviewing agencies can not confirm this analysis specifically	Based on discussions with the regulatory agencies on July 16, 2008, this line of evidence will not be used to select COPCs for the ERA. Discussion of its relevance and applicability in characterizing risk in the ERA will be reserved for the ERA Work Plan.

Comment	Response
(assuming we had adequate time to do this). Also see comment 28.	
26) 3.3.3.1.1 AVS/SEM Results - Based on this analysis, the JDG determined that the potential for adverse biological effects due to metal mixtures is considered low. Since the biologically active zone (BAZ) for the Site has not been quantitatively evaluated (Section 3.1.2), and samples collected over the 0 to 11 or 0 to 10 cm interval were used in this analysis, this particular conclusion has some measure of uncertainty. Please consider the comments in Table 1 that we have previously provided to the JDG.	Based on discussions with the regulatory agencies on July 16, 2008, this line of evidence will not be used to select COPCs for the ERA. Discussion of its relevance and applicability in characterizing risk in the ERA will be reserved for the ERA Work Plan.
27) 3.3.3.2 PAH Mixtures - Please provide more specific details regarding the development of a site-specific scaling factor for samples that were analyzed for 16 individual PAHs (rather than 34).	Based on discussions with the regulatory agencies on July 16, 2008, this line of evidence will not be used to select COPCs for the ERA. Discussion of its relevance and applicability in characterizing risk in the ERA will be reserved for the ERA Work Plan.
28) 3.3.3.2 PAH Mixtures - The JDG should reconsider a comment we made regarding the Draft Remedial Investigation (RI) Work Plan (comment 12). For your convenience, we have repeated that comment below: In this discussion, the JDG explains that sediments will be analyzed for an expanded list of PAHs (polynuclear aromatic hydrocarbons) to support an equilibrium partitioning evaluation of PAH mixtures that are protective of benthic organisms. JDG cites a U.S. EPA document presumably as the guidance to be used in this approach. Although we are aware of this document, the work plan should provide much more detail regarding the planned approach. TCEQ is not strictly opposed to this approach since it evaluates mixtures, similar to TCEQ's total PAH benchmark approach. However it does represent an	Based on discussions with the regulatory agencies on July 16, 2008, this line of evidence will not be used to select COPCs for the ERA. Discussion of its relevance and applicability in characterizing risk in the ERA will be reserved for the ERA Work Plan. PAHs were identified in the reviewed document as COPCs for aquatic receptors, are proposed to be carried forward into the ERA, and will be addressed in the ERA Work Plan. The JDG acknowledges that there are both advantages and uncertainties associated with the EqP and total PAH benchmark approach to evaluate and assess risk to ecological receptors; both approaches will be discussed in the ERA Work Plan. Currently, the EqP approach for PAH sediment benchmark development reflects a USEPA developed, scientifically defensible, site-specific

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alternate approach to evaluating potential risks to benthic invertebrates. We suggest that JDG address the following topics in the work plan: • Specifically discuss and compare the U.S. EPA approach and the TCEQ approach in terms of protectiveness and appropriateness for the site in question. • Since Patrick Bayou is relatively shallow at many locations, consider the protectiveness of this approach assuming that the sediments could be exposed to UV light. • Consider the composition of the organic carbon at the site relative to the assumptions inherent in the methodology. • Consider the presence of any additional narcotic compounds in sediment. • Explain how non-detected values will be addressed in this approach. • Consider that the approach is not necessarily intended to be protective of organisms that ingest contaminated sediment	approach to assess potential effects on benthic invertebrates.
29) 3.3.4.1 Comparison to Water Quality Benchmarks and Table B-6 (Comparison of Pore water Results to Water Quality Criteria) - Sediment pore water was screened against chronic and acute water quality standards as primary and secondary screening values. Since chronic criteria are meant to be protective of long-term exposure and acute criteria are meant for short-term exposures, consider that the use of acute criteria would not be appropriate for sediment pore water since these concentrations are presumably due to the sediment contaminants and could represent a relatively constant, long-term exposure.	Accepted. Sediment porewater concentrations will be compared to chronic water quality benchmark values for the purposes of identifying sediment COPC. Please see the revised selection based on this approach in the Amendment to the Draft COPC Selection Memo.
30) Table B-6 (Comparison of Pore water Results to Water	Noted and agreed. These values will be revised in the porewater

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Quality Criteria) – The mercury water quality criteria are 1.1 ug/L and 2.1 ug/L, not 1 100 ug/L and 2 100 ug/L.	screening step. Selection of COPCs will be revised accordingly.
Appendix C - Selection of Bioaccumulative COPCs	
31) 2.1 Screening Benchmarks for Carnivorous Fish - For this benchmark evaluation, the JDG used NOED and LOED (No Observable Effects Dose and Lowest Observable Effects Dose) tissue concentrations from the U.S. Army Corps of Engineers (U.S. COE)/U.S. Environmental Protection Agency (USEPA) Environmental Residue Effects Database (ERED). Looking at Tables C-1 and C-2, it appears that this evaluation lacks transparency. For instance, there was no way of knowing how many different fish species (and effect endpoints) were used to calculate a geometric mean. Looking at the ERED data base, it appeared that for many chemicals, the data base was dominated by freshwater fish. Further, if a NOED or LOED was not available, a LOED divided by 10 or a NOED multiplied by five was used as a surrogate value. These surrogate approaches should be reflected on the summary tables along with an indication of the species used, the number of tissue values used, and the range of concentrations.	Tables C-1 and C-2 have been edited to clarify the ERED calculations. Additional tables have been added to summarize the number and type of fish and invertebrate species included in the analysis. • *See Revised AppendixTable C-1 and C-2* • *See TCEQ comment response 31A and 31B*
32) 2.2 Screening Benchmarks for Birds and Mammals - For this screening exercise, the concentration in food that would result in an exposure dose equivalent to a NOAEL is calculated by dividing the chemical-receptor specific toxicity reference values (TRV) by a Food Factor. This is later modified by a BSAF for hazard quotient calculations (i.e., Tables C-10 and C-11). Please consider if this approach is protective of receptors with "higher" sediment ingestion rates such as the sandpiper or raccoon.	Based on discussions with the regulatory agencies on July 16, 2008, a revised exposure assessment will be used to assess the potential exposure from both dietary and incidental ingestion sources of bioaccumulative COPCs for wildlife receptors. A deterministic, dietary based incidental sediment ingestion exposure assessment will be performed for non-bioaccumulative chemicals as well. Non-bioaccumulative PCOPCs that have 95th percentile concentrations exceeding the secondary SQG (i.e., TCEQ Second Effects Levels) will also be included in the incidental sediment ingestion model for selected receptors (i.e.,

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	sediment probing birds, omnivorous mammals, and piscivorous mammals). Details and results of this analysis are provided in Attachment E (*Agreements and Action Items, July 16, 2008 Technical Memorandum*) and the Amendment to the Draft COPC Selection Memo.
33) 2.2 Screening Benchmarks for Birds and Mammals - Regarding the food factor calculations (Table C-3), it appears that the body weights for the belted kingfisher and the great blue heron were mixed up. This would ultimately impact the food factor and wildlife benchmark calculations. The JDG should revise the tables as appropriate.	The body weights, ingestion rates, and therefore, the food factors were transposed for the heron and the kingfisher in Table C-3. Therefore, the benchmarks are also transferred in Table C-4. This transposition has been addressed in Tables 4-6, 4-7, and 4-8 of the Amendment to the Draft COPC Selection Memorandum.
34) 2.2 Screening Benchmarks for Birds and Mammals - Please double-check the calculations for LOAEL-based tissue benchmarks for mammals (Table C-5). We were not able to verify the math for those chemical/receptor combinations we randomly checked.	Table C-5 did incorrectly report LOAEL-based tissue benchmarks and were revised. Revised LOAEL-based tissue benchmarks are reported in Amendment to Draft COPC Selection Memo Tables 4-6, 4-7, and 4-8.
35) 2.2 Screening Benchmarks for Birds and Mammals - The discussion on page C-4 questions the ecological relevance of the mink and the otter to the Site, given the limited habitat available for these receptors. The discussion also states that additional evaluation is proposed prior to the ERA to determine the potential exposure, if any, of this receptor group to the Site. Please elaborate. Also consider that these receptors are surrogates for the guild and consider that the northern end of the bayou may offer "islands" of habitat relative to the surrounding infrastructure.	As part of the ERA, a habitat assessment and suitability evaluation will be proposed to assess the ecological relevance of piscivorous mammals at the Site and to characterize habitat to assess the suitability of a 'spatially explicit' component of the exposure assessment for wildlife receptors in the ERA.
36) 3.1 Biota-Sediment Accumulation Factor Database Development - This section presents the process for deriving BSAF values to be used in the carnivorous fish, mammal, and	TCEQ's assumption is correct. BSAF values were calculated by using the Calcasieu RI/FS database (limited to the Bayou d'Inde AOC). Although BSAF values are presented in the Calcasieu

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bird screening exercise. Sediment and fish tissue data were compiled from the Calcasieu BERA database and the U.S. COE Engineering Research and Development Center (ERDC) database. Looking at the subsections that follow, it appears that this was a very tedious, data intensive exercise. Regarding the use of the Calcasieu database, our assumption is that the JDC actually paired up individual tissue data points with sediment data over an area represented by the home range of the fish or invertebrate to calculate a corresponding BSAF. The 95th percentile or geometric mean BSAFs (over a particular prey group) were then used in the subsequent screening exercise for carnivorous fish, mammals and birds. Our assumption is that the JDG actually calculated these BSAF values rather than relying on equivalent calculations in the Calcasieu risk assessment. Please advise if these assumptions are correct.	Estuary BERA, there was no discussion of the methodology used to calculate these values and could not be reproduced by us. Thus, we chose to calculate BSAF values directly from the tissue and sediment data in the Calcasieu Estuary RI/FS database as described in the reviewed document.
37) 3.1 Biota-Sediment Accumulation Factor Database Development - Continuing on from the previous comment, the transparency of this exercise (using Calcasieu data) appears limited. Considering the raw data alone, it is not readily apparent to the reader how many sediment data points were paired with any single tissue data point, the range of the tissue and sediment data points, and the number of tissue data points for any particular size class. Also it seems that this section would benefit by more discussion of the similarities (chemical impacts, trophic structure, physical and hydrologic features) between Patrick Bayou and Bayou d'Inde.	To provide transparency of the BSAF calculation exercise using the Calcaiseu Estuary RI/FS database (Bayou d'Inde AOC data), Tables labeled "TCEQ Response 37A and 37B" have been provided. The first table provides a summary of how many sediment data points, range, etc., were paired with tissue data points on a chemical and prey group-specific basis. The second table provides a list of all database records from the Calcasieu Estuary RI/FS database that were used in the BSAF calculations. This includes the number of sediment points, number of detected sediment values, tissue value result and detection status, etc., for each BSAF value calculated. The third table presents example BSAF calculations showing how the sediment and tissue samples were associated in the calculations. A discussion of the similarities between the Bayou d'Inde AOC

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	and the Site has been included in the Amendment to the COPC Selection Memorandum. • *See TCEQ Comment 37Response Tables*
38) 3.1.1.1 Calcasieu BERA Database - The discussion indicates that whole-body fish tissue concentrations were calculated by multiplying the filet result by the whole-body equivalency factor of 2.3 Please provide a source for this conversion and comment on the relevancy to fish expected to be in Patrick Bayou.	Whole body estimates using fillet data were restricted to Group 3B and 4B (15 to 90 cm, higher trophic level) fish. The source for the equivalency factor (Bevelheimer et al. 1997[6]) included black bass (largemouth bass [*Micropterus salmoides]* and spotted bass [*M. punctulatis*]) between 24.5 and 54 cm in length. The JDG believes that the conversion factor is relevant given that the source included higher trophic level fish within a similar size class as the samples to which they were applied. Based on the review of Bevelheimer et al (1997), changes are proposed to the fillet to whole body conversion. The conversion equation applied to the Calcasieu Estuary fillet samples was based on a relationship developed in the source document for Total PCBs. In the current analysis, this conversion factor was applied to all COI measured in fillet tissue. As such, it is proposed that the revised document will include the following conversion equations for the specified chemicals: • Mercury: Cwb=0.7*Cf • Arsenic: Cwb=exp[-0.72+0.65*ln(Cf)] • Chromium: Cwb=1.2*Cf • Selenium: Cwb=exp[-0.25+0.68*ln(Cf)] • Total chlordane: Cwb=1.7*Cf

[6] Bevelheimer, MS. JJ Beauchamp, BE Sample, GR Southworth. 1997. Estimation of whole-fish contaminant concentrations from fish fillet data. ES/ER/TM-202. Risk Assessment Program, Oak Ridge National Laboratory. Oak Ridge, TN.

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	• Total DDT: Cwb=exp[3.55+0.63*ln(Cf)] • Total PCB: Cwb=2.4*Cf Cwb – concentration in whole body Cf – concentration in fillet For all other COI, fillet samples would not be used to estimate BSAF values from the Calcasieu Estuary RI/FS database. The attached Table labeled "TCEQ Response 38A and 38B" provides a summary of number of fillet samples used in the BSAF calculations for each COI and prey groups (e.g., 3B and 4B). • *See TCEQ Comment 38 Response Tables*
39) 3.1.1.2 USACE ERDC BSAF Database - The discussion indicates that the U.S. COE BSAF database was merged into the project BSAF database. We suggest that the discussion provide some sense as to which data set dominated the BSAF database (Calcasieu or U.S. COE?). Where BSAFs were obtained from the U.S. COE database, was this limited to marine fish and invertebrates?	The Calcasieu Estuary RI/FS database was dominant (14197 records) compared to the USACE BSAF database (415 records; see the Table labeled "TCEQ Response 39A"). BSAFs obtained from the USACE BSAF database included both marine and freshwater species. The Table labeled "TCEQ Response 39B" includes a list of species included in the BSAF database compilation performed by the JDG. Very few freshwater species were included relative to marine species. Text and tables will be added to the report to reflect this response. • *See TCEQ Comment 39 Response Tables*
40) 3.1.2 BSAF Derivation - The discussion indicates that the BSAF database results were compiled to represent the expected range for each receptor group and that fish prey classes 3A, 3B, 4A, and 4B were grouped together for the carnivorous fish BSAF data set. For birds, the BSAF data set included fish prey classes 1, 2A, and 2B (along with all invertebrate classes). For mammals,	Footnote d in Table C-8 will be modified to include prey classes 3A and 3B fish. For carnivorous fish, a body burden approach (as opposed to a dietary intake model for birds and mammals) was used to characterize risk and identify COPCs for this receptor group.

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fish prey classes 3A and 3B were added to the bird BSAF data set (along with invertebrates excluding polychaetes and aquatic insects). Note that the latter statement conflicts with footnote d in Table C-8. Why would carnivorous fish only be expected to feed on the larger fish prey classes?	Group 3 and 4 Fish are expected to have the greatest potential exposure of this receptor group to bioaccumulative COPCs due to their longer life cycle relative to smaller size class fish. BSAFs for Group 3 and 4 fish were used to estimate expected tissue concentrations for this receptor group. These estimated tissue concentrations were then compared to tissue-based (e.g., critical body burdens) effects levels for fish to characterize risk. Using the larger size fish classes provides a conservative estimate of exposure for this receptor group.
41) 4.1 Results - Table C-12 should be corrected to reflect "Yes" for Aroclor 1248, Total PCB Aroclors, and Dioxin/furan congeners for mammals.	Noted and accepted. Amendment to the Draft COPC Memo Table 4-9 will reflect the status of Aroclor-1248, Total PCB Aroclors, and Dioxin/Furan congeners as COPC for mammals.

Table 3A
Bioaccumulation Factors (BAF) Used for Food Chain Model

Biotransfer Factors										TRRP 2006
Chemical	**Log K_{ow}**	**Source**	**Field BAF**	**Fish BCF**	**Source of BAF or BCF**	**FCM TL3**	**FCM Source or Rationale**	**Wet to Dry basis [a]**	**Fish BAF, dry weight basis**	**Log K_{ow}**
Copper	**-0.57**	**TRRP, 2006**		**710**	**EPA, 1999, Table C-5**	**1**	**metal**	**20%**	**3,550**	
PCBs	6.30	TRRP, 1999	1,000,371		Oliver & Niimi, 1988 [b]	1	Field BAF	20%	5,001,855	
p,p'-DDT	6.79	TRRP, 1999		35,481	Garten and Trabalka, 1983	14	USEPA, 1999	20%	2,483,670	
p,p'-DDE	6.00	TRRP, 1999		25,512	EPA, 1999	11	USEPA, 1999	20%	1,403,160	
p,p'-DDD	5.87	TRRP, 1999		17,029	Lyman et al., 1982[c]	9.6	USEPA, 1999	20%	817,412	
Tributyltin oxide	5.80	TRRP, 1999		2,600	Ward et al. 1981[d] in Eisler, 1989	8.8	USEPA, 1999	20%	114,400	
Aldrin	6.75	TRRP, 1999		2,879	Stephan 1993	14	USEPA, 1999	20%	201,530	6.75
Chlordane	6.60	TRRP, 1999	219,375		Stephan 1993, BAF for 5% lipid [e]	1	Field BAF	20%	1,096,875	
Dieldrin	5.45	TRRP, 1999		2,167	Stephan 1993	5.9	USEPA, 1999	20%	63,927	
Endrin	5.45	TRRP, 1999		4,214	Stephan 1993	5.9	USEPA, 1999	20%	124,313	
Heptachlor	6.21	TRRP, 1999		5,522	EPA, 1999	12	USEPA, 1999	20%	331,320	
Heptachlor epoxide	4.91	TRRP, 1999		14,400	Stephan 1993	1	log Kow <5	20%	72,000	
Toxaphene	6.79	TRRP, 1999	2,117,450		Stephan 1993, BAF for 5% lipid	1	Field BAF	20%	10,587,250	
Mirex	5.30	Stephan 1993	4,974,275		Stephan 1993, BAF for 5% lipid	1	Field BAF	20%	24,871,375	
Photomirex	4.54	Stephan 1993	2,326,205		Stephan 1993, BAF for 5% lipid	1	log Kow <5, Field BAF	20%	11,631,025	
Hexachlorocyclohexanes (HCH isomers, lindane)	4.26	TRRP, 1999	1,628		Stephan 1993, BAF for 5% lipid	1	log Kow <5, Field BAF	20%	8,140	
Mercury, total dissolved	NA		119000		EPA, 1997, Vol III, Table D-12	1	Field BAF	20%	595,000	
Mercury, monomethyl, dissolved	0.08		1580000		EPA, 1997, Vol III, Table. D-7	1	Field BAF	20%	7,900,000	
Selenium, freshwater	0.24	TRRP, 1999		129	EPA, 1999, Table C-5	1	Metal	20%	645	0.24

Notes:

a - Field BAF and BCF values assumed to be wet-weight basis and were converted to dry-weight basis by assuming fish's total weight is 80% moisture (Holcomb et al., 1976 in EPA, 1999)

b - Field BAF determined as average trophic level 3 fish from Oliver and Niimi, 1988 using sculpin, alewives and smelt, using Log Kow 6.3.

c - Value computed using equation: [10((0.76 * log Kow) - 0.23)] ; Veith et al. (year?) in equation 5-2 of Lyman, W.J., W.F. Reehl, and D.H. Rosenblatt. Handbook of Chemical Property Estimation Methods: Environmental Behavior of Organic Compounds. McGraw-Hill Book Company, New York. 1982.

d - Value reported as maximum BCF (2, 600) in whole sheepshead minnows, 58-day non-equilibrium exposure; assumed wet-wt. value converted to dry-wt. value by dividing by 0.20 (20%).

e - Stephan (1993) normalized Field BAF to 5% lipid by dividing field value by a lipid content of the fish studied, then multiplying by 5% to represent salmonids.

* Copper values developed by Anchor Environmental, L.L.C. for the purposes of the specific Site evaluation. All other values unchanged.

References:

Eisler, R. Tin Hazards to Fish, Wildlife, and Invertebrates: A Synoptic Review. U.S. Fish and Wildlife Service, Biological Report 85(1.5). 1989.

EPA, 1997 "Mercury Study Report to Congress. Vol. VI: An Ecological Assessment for Anthropogenic Mercury Emissions in the United States". EPA-452/R-97-008

EPA, 1999, "Screening Level Risk Assessment Protocol for Hazardous Waste Combustion Facilities." EPA 530-D-99-001E, Appendix C, Table C-5

Garton, C.T., Jr.., and J.R. Trabalka, 1983, Environ. Sci. Technol 17(10): 590-595.

Oliver, B.G., and A.J. Niimi, 1985. Environ. Sci. Technol. 22: 388-397.

Stephan, C.E., 1993. "Derivation of Proposed Human Health and Wildlife Bioaccumulation Factors for the Great Lakes Initiative" ERL/ORD, Duluth. USEPA

(These BAF values are larger (more conservative) than many BCF values, e.g., estimates from Lyman et al. equation. Some may be more appropriate for organisms eating larger fish than kingfisher can take.)

Table source: personal communication V. Reat on July 30, 2008

Table 3B
Avian Toxicity Reference Values (Chronic NOAEL and Chronic LOAEL)

Chemical	Laboratory Species	Laboratory Species Body Weight (kg)	Dosage (mg/kg bw-d)	Endpoint	Effect Measured/Observed	Reference	Endpoint Uncertainty Factor (applied to Dose)	Adjusted Chronic NOAEL - TRV (mg/kg bw-d)	Endpoint Uncertainty Factor (applied to Dose)	Adjusted Chronic LOAEL - TRV (mg/kg bw-d)
Copper - Sample	**1 day old chicks**	**0.53**	**47**	**NOAEL**	**reduced growth and mortality**	**Mehring et al (1960) as cited by Sample et al (1996)**	**1**	**47.00**	**1**	**61.7**
Copper - Eco SSL; Lit LOAEL	**chicken**	**1.51**	**4.05**	**NOAEL**	**# eggs per nest**	**Ankari et al (1998) as cited in Eco SSL (EPA 2007)**	**1**	**4.05**	**1**	**12.1**
Copper - LDWG; TX LOAEL (UF:10)	**hisex-brown hens**	**1.98**	**11.2**	**NOAEL**	**damaged egg ratio, egg weight and survival**	**Balevi & Coskun (2004) as cited by LDWG (2007)**	**1**	**11.20**	**0.1**	**112**
PCBs	ringed-dove	0.16	0.72	chronic LOAEL	embyonic mortality	Peakall et al., 1972 in EPA, 1999	10	0.07	1	0.72
p,p'-DDT	brown pelican	3.5	0.028	chronic LOAEL	reproductive success	Anderson et al., 1975 in Sample et al., 1996	10	0.003	1	0.028
p,p'-DDE	bobwhite	0.16	64.2	LD50	5-day Mortality	HSDB	100	0.642	10	6.4
p,p'-DDD	ring-neck pheasant	0.155	48.8	LD50	5-day Mortality	HSDB	100	0.488	10	4.9
Tributyltin oxide	coturnix quail [a]	0.191	4.88	chronic NOAEL	egg weight and hatchability	Schlatterer et al., 1993 in Sample et al., 1996	1	4.88	0.1	48.8
Aldrin	barn owl (dieldrin study)	0.466	0.08	chronic NOAEL	reproductive success	Mendenhall et al 1983 in Sample et al.	1	0.077	0.1	0.8
Chlordane	redwing blackbird	0.064	2.14	chronic NOAEL	mortality	Stickel et al 1993 in Sample et al	1	2.140		
Chlordane	redwing blackbird	0.064	10.70	chronic LOAEL	mortality	Stickel et al 1993 in Sample et al			1	10.7
Dieldrin	barn owl	0.466	0.08	chronic NOAEL	reproductive success	Mendenhall et al 1983 in Sample et al.	1	0.077	0.1	0.77
Endrin	screech owl	0.181	0.10	chronic LOAEL	reproductive success	Fleming et al 1982 in Sample et al	10	0.010	1	0.1035
Heptachlor	bobwhite	0.16	7.15	LD50	5-day Mortality	HSDB	100	0.072	10	0.7153
Heptachlor epoxide	bobwhite	0.16	7.153	LD50	5-day Mortality	HSDB (heptachlor)	100	0.072	10	0.7153
Toxaphene	chicken	1.5	0.27	chronic NOAEL	bone deformity	Bush et al 1977 in USGS 1985	1	0.269		
Toxaphene	chicken	1.5	0.35	chronic LOAEL	bone deformity	Bush et al 1977 in USGS 1985			1	0.353
Mirex	Japanese quail	0.15	9.01	chronic NOAEL	reproductive endpoints	Waters et al 1977 in USGS 1985	1	9.0		
Mirex	mallard	1	10.00	chronic LOAEL	reproductive endpoints	Waters et al 1977 in USGS 1985			1	10
Photomirex	(use mirex data)				reproductive endpoints	(Use Mirex values)	1	9.0	1	10
Hexachlorocyclohexanes (HCH isomers, lindane)	mallard	1	20.00	chronic LOAEL	reproductive endpoints	Chakravarty in Opresko et al., 1995	10	2.0	1	20
Mercury, total dissolved	Japanese quail	0.15	0.45	chronic NOAEL	reproductive endpoints	Hill and Schaffner in Sample et al 1996	1	0.45		
Mercury, total dissolved	Japanese quail	0.15	0.9	chronic LOAEL	reproductive endpoints	Hill and Schaffner in Sample et al 1996			1	0.9
Mercury, monomethyl, dissolved	mallard	1	0.064	chronic LOAEL	reproductive endpoints	Heinz in Sample et al. 1996	10	0.006	1	0.064
Selenium, freshwater	mallard	1	0.50	chronic NOAEL	reproductive endpoints	Heinze et al. in Sample et al. 1996	1	0.50	10	5.0

Notes:

a - Dosage for coturnix quail determined by computing food ingestion rate (dry-wt.) for non-passerine birds: [0.301 * (body weight, g)0.751] (equation 3-5 in EPA, 1993), converted to kg and dividing by body weight (kg), then multiplying by reported diet.

* Copper values developed by Anchor Environmental, L.L.C. for the purposes of the specific Site evaluation. All other values unchanged.

References:

Sample, B.E., D.M. Opresko, and G.W. Suter II. Toxicological Benchmarks for Wildlife: 1996 Revision. Oak Ridge National Laboratory, Oak Ridge, TN. ES/ER/TM-86/R3. 1996.

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USGS, 1985. R. Eisler and J. Jacknow, Contaminant Hazard Reviews. Biological Report 85(1.4). See http://www.pwrc.usgs.gov/ for online edition.

Opreska, Sample and Suter, 1995. Toxicological Benchmarks for Wildlife: 1995 Revision. Oak Ridge National Laboratory, Oak Ridge, TN.

al Ankari, A., Najib, H., and al Hozab, A. 1998. yolk and serum cholesterol and production traits, as affected by incorporating a supraoptimal amount of copper in the diet of the leghorn hen. Br. Poult. Sci. 39(3): 393-397. Ref ID: 2006

Balevi T, Coskun B. 2004. Effects of dietary copper on production and egg cholesterol content in laying hens. Brit Poult Sci 45(4):530-534.

hens test species weight (value on day 1 of control)

g

1976.25 12.09

1.98

1.96

1.99

Table source: personal communication V. Reat on July 30, 2008

Table 3C
Belted Kingfisher Risk Calculations Using Food and Water Ingestions

Assumptions used in Belted Kingfisher Risk Calculation

body weight (kg)	0.148	Brooks and Davis, 1987 in EPA 1999
Food ingestion rate (kg/kg bw/d)	0.0867	EPA, 1993[a]
Water ingestion (L/kg-day)	0.11	EPA, 1993
Site use factor	1	EPA, 1999
Fish diet fraction	100%	Sayler & Lagler, 1946 in EPA, 1999

Hazard Quotient Calculation

Hazard Quotient = Total Dose / TRV

Surface Water Exposure Point Concentration

estimated as X% of WQS, for X = 100%

Chemical	Texas Surface Water Quality Standard (ug/L)	Surface Water Exposure Point Concentration (mg/L)[b]	Dose from Ingestion of Food (mg/kg bw/d)[c]	Dose from Ingestion of Water (mg/kg bw/d)[d]	Total Dose (mg/kg bw/d)	Percent Dose from Water	NOAEL TRV-wildlife (mg/kg bw/d)[e]	LOAEL TRV-wildlife (mg/kg bw/d)[e]	NOAEL Hazard Quotient	LOAEL Hazard Quotient
Copper - Sample	**6.5**	**6.50E-03**	**2.00E+00**	**7.15E-04**	**2.00E+00**	**0.0357%**	**3.64E+01**	**4.77E+01**	**0.055**	**0.042**
Copper - Eco SSL; Lit LOAEL	**6.5**	**6.50E-03**	**2.00E+00**	**7.15E-04**	**2.00E+00**	**0.0357%**	**2.55E+00**	**7.60E+00**	**0.787**	**0.263**
Copper - LDWG; TX LOAEL (UF:10)	**6.5**	**6.50E-03**	**2.00E+00**	**7.15E-04**	**2.00E+00**	**0.0357%**	**6.67E+00**	**6.67E+01**	**0.300**	**0.030**
PCBs	0.014	1.40E-05	6.07E+00	1.54E-06	6.07E+00	0.0000%	7.13E-02	7.13E-01	85.136	8.514
p,p'-DDT	0.001	1.00E-06	2.15E-01	1.10E-07	2.15E-01	0.0001%	1.49E-03	1.49E-02	144.833	14.483
p,p'-DDE	Used DDT	1.00E-06	1.22E-01	1.10E-07	1.22E-01	0.0001%	6.32E-01	6.32E+00	0.193	0.019
p,p'-DDD	Used DDT	1.00E-06	7.09E-02	1.10E-07	7.09E-02	0.0002%	4.84E-01	4.84E+00	0.147	0.015
Tributyltin oxide	0.024	2.40E-05	2.38E-01	2.64E-06	2.38E-01	0.0011%	4.64E+00	4.64E+01	0.051	0.005
Aldrin	No Chronic Value, used dieldrin	2.00E-06	3.50E-02	2.20E-07	3.50E-02	0.0006%	6.12E-02	6.12E-01	0.571	0.057
Chlordane	0.004	4.00E-06	3.81E-01	4.40E-07	3.81E-01	0.0001%	2.53E+00	1.27E+01	0.150	0.030
Dieldrin	0.002	2.00E-06	1.11E-02	2.20E-07	1.11E-02	0.0020%	6.12E-02	6.12E-01	0.181	0.018
Endrin	0.002	2.00E-06	2.16E-02	2.20E-07	2.16E-02	0.0010%	9.94E-03	9.94E-02	2.169	0.217
Heptachlor	0.004	4.00E-06	1.15E-01	4.40E-07	1.15E-01	0.0004%	7.04E-02	7.04E-01	1.632	0.163
Heptachlor epoxide	0.004	4.00E-06	2.50E-02	4.40E-07	2.50E-02	0.0018%	7.04E-02	7.04E-01	0.355	0.035
Toxaphene	0.0002	2.00E-07	1.84E-01	2.20E-08	1.84E-01	0.0000%	1.69E-01	2.22E-01	1.085	0.827
Mirex	0.001	1.00E-06	2.16E+00	1.10E-07	2.16E+00	0.0000%	8.99E+00	9.97E+00	0.240	0.216
Photomirex	0.001	1.00E-06	1.01E+00	1.10E-07	1.01E+00	0.0000%	8.99E+00	9.97E+00	0.112	0.101
Hexachlorocyclohexanes (HCH isome	0.08	8.00E-05	5.65E-02	8.80E-06	5.65E-02	0.0156%	1.36E+00	1.36E+01	0.041	0.004
Mercury, total dissolved	1.3	1.30E-03	6.71E+01	1.43E-04	6.71E+01	0.0002%	4.49E-01	8.98E-01	149.481	74.740
Mercury, monomethyl, dissolved	1.3	1.30E-03	8.91E+02	1.43E-04	8.91E+02	0.0000%	4.37E-03	4.37E-02	203943.339	20394.334
Selenium, freshwater	5	5.00E-03	2.80E-01	5.50E-04	2.80E-01	0.1962%	3.41E-01	3.41E+00	0.821	0.082

Notes:

a - Dry matter food ingestion rate computed using allometric equation for non-passerine birds: [0.301 * (body weight, g)0.751] (equation 3-5 in EPA, 1993), then converted to kg and divided by body weight (kg).

b - The freshwater Texas Surface Water Quality Standard (TSWQS) values, as found at 30 TAC Chapter 307, Table 1 (for aquatic life) times 100%

(the surface water exposure point concentration shown above)

TSWQS for DDT used for DDD and DDE.

Aquatic life standards were used for all other chemicals. For aldrin, no chronic criterion exists, so dieldren value was used.

For organic (monomethyl) mercury, TRV is based on monomethyl mercury. However, TSWQS is based on total (unfiltered) mercury. Result will therefore overestimate HQ.

c - Total food ingestion dose = [(surface water exposure point concentration) * (fish BAF)] * [(food ingestion rate) * (fish fraction)] * (site use factor)

d - Total water dose = (surface water exposure point concentration) * (water ingestion rate)

e - Wildlife NOAEL or LOAEL = test species NOAEL or LOAEL * (test species body weight / wildlife species body weight)1-b, where the allometric scaling factor b = 1.2 for birds when chemical-specific value is not available; Sample and Arenal, 1999.

* Copper values developed by Anchor Environmental, L.L.C. for the purposes of the specific Site evaluation. All other values unchanged.

References

Sample, B.E. and C.A. Arenal. Allometric Models for Inter-species Extrapolation of Wildlife Toxicity Data. Bull. Environ. Contam. and Toxicol. 62: 653-667. 1999.

USEPA, 1993. Wildlife Exposure Factors Handbook, Vol. I of II. EPA/600/R-93/187a.

USEPA, 1999. Screening Level Risk Assessment Protocol for Hazardous Waste Combustion Facilities. EPA530-D-99-001B.

Copper Water Quality Standard FW

0.960we(0.8545(ln(hardness))-1.386)

Table source: personal communication V. Reat on July 30, 2008

Table 3D
Belted Kingfisher Risk Calculations Using Food and Water Ingestions
(No Body Weight TRV Adjustment)

Assumptions used in Belted Kingfisher Risk Calculation

body weight (kg)	0.148	Brooks and Davis, 1987 in EPA 1999
Food ingestion rate (kg/kg bw/d)	0.0867	EPA, 1993[a]
Water ingestion (L/kg-day)	0.11	EPA, 1993
Site use factor	1	EPA, 1999
Fish diet fraction	100%	Sayler & Lagler, 1946 in EPA, 1999

Hazard Quotient Calculation

Hazard Quotient = Total Dose / TRV

Surface Water Exposure Point Concentration

estimated as X% of WQS, for X = 100%

Chemical	Texas Surface Water Quality Standard (ug/L)	Surface Water Exposure Point Concentration (mg/L)[b]	Dose from Ingestion of Food (mg/kg bw/d)[c]	Dose from Ingestion of Water (mg/kg bw/d)[d]	Total Dose (mg/kg bw/d)	Percent Dose from Water	NOAEL TRV-wildlife (mg/kg bw/d)[e]	LOAEL TRV-wildlife (mg/kg bw/d)[e]	NOAEL Hazard Quotient	LOAEL Hazard Quotient
Copper - Sample	**6.5**	**6.50E-03**	**2.00E+00**	**7.15E-04**	**2.00E+00**	**0.0357%**	**4.70E+01**	**6.17E+01**	**0.043**	**0.032**
Copper - Eco SSL; Lit LOAEL	**6.5**	**6.50E-03**	**2.00E+00**	**7.15E-04**	**2.00E+00**	**0.0357%**	**4.05E+00**	**1.21E+01**	**0.494**	**0.165**
Copper - LDWG; TX LOAEL (UF:10)	**6.5**	**6.50E-03**	**2.00E+00**	**7.15E-04**	**2.00E+00**	**0.0357%**	**1.12E+01**	**1.12E+02**	**0.179**	**0.018**
PCBs	0.014	1.40E-05	6.07E+00	1.54E-06	6.07E+00	0.0000%	7.20E-02	7.20E-01	84.353	8.435
p,p'-DDT	0.001	1.00E-06	2.15E-01	1.10E-07	2.15E-01	0.0001%	2.80E-03	2.80E-02	76.932	7.693
p,p'-DDE	Used DDT	1.00E-06	1.22E-01	1.10E-07	1.22E-01	0.0001%	6.42E-01	6.42E+00	0.190	0.019
p,p'-DDD	Used DDT	1.00E-06	7.09E-02	1.10E-07	7.09E-02	0.0002%	4.88E-01	4.88E+00	0.145	0.015
Tributyltin oxide	0.024	2.40E-05	2.38E-01	2.64E-06	2.38E-01	0.0011%	4.88E+00	4.88E+01	0.049	0.005
Aldrin	No Chronic Value, used dieldrin	2.00E-06	3.50E-02	2.20E-07	3.50E-02	0.0006%	7.70E-02	7.70E-01	0.454	0.045
Chlordane	0.004	4.00E-06	3.81E-01	4.40E-07	3.81E-01	0.0001%	2.14E+00	1.07E+01	0.178	0.036
Dieldrin	0.002	2.00E-06	1.11E-02	2.20E-07	1.11E-02	0.0020%	7.70E-02	7.70E-01	0.144	0.014
Endrin	0.002	2.00E-06	2.16E-02	2.20E-07	2.16E-02	0.0010%	1.04E-02	1.04E-01	2.083	0.208
Heptachlor	0.004	4.00E-06	1.15E-01	4.40E-07	1.15E-01	0.0004%	7.15E-02	7.15E-01	1.607	0.161
Heptachlor epoxide	0.004	4.00E-06	2.50E-02	4.40E-07	2.50E-02	0.0018%	7.15E-02	7.15E-01	0.349	0.035
Toxaphene	0.0002	2.00E-07	1.84E-01	2.20E-08	1.84E-01	0.0000%	2.69E-01	3.53E-01	0.683	0.520
Mirex	0.001	1.00E-06	2.16E+00	1.10E-07	2.16E+00	0.0000%	9.01E+00	1.00E+01	0.239	0.216
Photomirex	0.001	1.00E-06	1.01E+00	1.10E-07	1.01E+00	0.0000%	9.01E+00	1.00E+01	0.112	0.101
Hexachlorocyclohexanes (HCH isomers, lindane)	0.08	8.00E-05	5.65E-02	8.80E-06	5.65E-02	0.0156%	2.00E+00	2.00E+01	0.028	0.003
Mercury, total dissolved	1.3	1.30E-03	6.71E+01	1.43E-04	6.71E+01	0.0002%	4.50E-01	9.00E-01	149.080	74.540
Mercury, monomethyl, dissolved	1.3	1.30E-03	8.91E+02	1.43E-04	8.91E+02	0.0000%	6.40E-03	6.40E-02	139175.204	13917.520
Selenium, freshwater	5	5.00E-03	2.80E-01	5.50E-04	2.80E-01	0.1962%	5.00E-01	5.00E+00	0.561	0.056

Notes:

a - Dry matter food ingestion rate computed using allometric equation for non-passerine birds: [0.301 * (body weight, g)0.751] (equation 3-5 in EPA, 1993), then converted to kg and divided by body weight (kg).

b - The freshwater Texas Surface Water Quality Standard (TSWQS) values, as found at 30 TAC Chapter 307, Table 1 (for aquatic life) times 100%
(the surface water exposure point concentration shown above)
TSWQS for DDT used for DDD and DDE.
Aquatic life standards were used for all other chemicals. For aldrin, no chronic criterion exists, so dieldren value was used.
For organic (monomethyl) mercury, TRV is based on monomethyl mercury. However, TSWQS is based on total (unfiltered) mercury. Result will therefore overestimate HQ.

c - Total food ingestion dose = [(surface water exposure point concentration) * (fish BAF)] * [(food ingestion rate) * (fish fraction)] * (site use factor)

d - Total water dose = (surface water exposure point concentration) * (water ingestion rate)

e - Wildlife NOAEL or LOAEL = test species NOAEL or LOAEL * (test species body weight / wildlife species body weight)1-b, where the allometric scaling factor b = 1.2 for birds when chemical-specific value is not available; Sample and Arenal, 1999.

* Copper values developed by Anchor Environmental, L.L.C. for the purposes of the specific Site evaluation. All other values unchanged.

References:

Sample, B.E. and C.A. Arenal. Allometric Models for Inter-species Extrapolation of Wildlife Toxicity Data. Bull. Environ. Contam. and Toxicol. 62: 653-667. 1999.

USEPA, 1993. Wildlife Exposure Factors Handbook, Vol. I of II. EPA/600/R-93/187a.

USEPA, 1999. Screening Level Risk Assessment Protocol for Hazardous Waste Combustion Facilities. EPA530-D-99-001B.

Copper Water Quality Standard FW
0.960we(0.8545(ln(hardness))-1.386)

Table source: personal communication V. Reat on July 30, 2008

Table 31A
Summary of TRV Values Included in Bioaccumulative Toxicity Assessment for Fish

		NOED					LOED					Final Values	
CASRN	Chemical Name	N	Minimum	Maximum	Mean	Geometric Mean	N	Minimum	Maximum	Mean	Geometric Mean	NOED	LOED
634-90-2	1,2,3,5-tetrachlorobenzene	1	13.9	13.9	13.9	13.9						13.9	69.5
95-94-3	1,2,4,5-tetrachlorobenzene						1	220	220	220	220	22.0	220
120-82-1	1,2,4-Trichlorobenzene	8	0.0500	180	87.8	8.41	6	220	465	342	326	8.41	326
95-50-1	1,2-dichlorobenzene	1	0.700	0.700	0.700	0.700						0.700	3.50
528-29-0	1,2-dinitrobenzene	3	0.200	2.09	0.831	0.438						0.438	2.19
611-06-3	1,3-dichloro-4-nitrobenzene	4	111	1330	721	385						385	1930
541-73-1	1,3-dichlorobenzene	11	7.10	170	95.4	68.8	2	170	170	170	170	68.8	170
99-65-0	1,3-dinitrobenzene	3	4.60	57.1	22.1	10.6						10.6	53.2
106-46-7	1,4-dichlorobenzene	6	0.610	103	63.6	33.7	2	103	103	103	103	33.7	103
121-73-3	1-chloro-3-nitrobenzene	3	64.8	815	315	151						151	754
100-00-5	1-chloro-4-nitrobenzene	3	27.7	346	134	64.5						64.5	323
634-83-3	2,3,4,5-Tetrachlorocebenamine						1	0.700	0.700	0.700	0.700	0.0700	0.700
58-90-2	2,3,4,6-Tetrachlorophenol	7	15.0	52.0	35.7	32.3						32.3	161
933-78-8	2,3,5-trichlorophenol	1	2.32	2.32	2.32	2.32						2.32	11.6
1746-01-6	2,3,7,8-TCDD	27	0.0000230	0.900	0.0716	0.000882	15	0.0000400	1.38	0.185	0.000878	0.000882	0.000878
51207-31-9	2,3,7,8-TCDF	3	0.0000900	0.00250	0.000930	0.000356						0.000356	0.00178
576-24-9	2,3-DCP	8	100.0	250	184	173						173	867
3209-22-1	2,3-dichloronitrobenzene	3	68.8	860	332	160						160	799
83-41-0	2,3-dimethylnitrobenzene	3	69.6	869	337	163						163	813
3424-82-6	2,4`-DDE						1	19.6	19.6	19.6	19.6	1.96	19.6
105-67-9	2,4-dimethylphenol	1	1.53	1.53	1.53	1.53	1	59.9	59.9	59.9	59.9	1.53	59.9
51-28-5	2,4-dinitrophenol						1	29.5	29.5	29.5	29.5	2.95	29.5
583-78-8	2,5-DCP	8	32.0	120	72.6	66.5						66.5	332
89-61-2	2,5-dichloronitrobenzene	3	64.5	807	312	151						151	755
87-65-0	2,6-DCP	7	45.0	300	197	155						155	773
579-66-8	2,6-diethylaniline	1	8.50	8.50	8.50	8.50						8.50	42.5
38964-22-6	2,8-Dichlorodibenzo-p-dioxin	2	0.110	3.00	1.56	0.574	2	1.50	6.00	3.75	3.00	0.574	3.00
95-51-2	2-chloroaniline						1	29.0	29.0	29.0	29.0	2.90	29.0
95-57-8	2-chlorophenol	7	1.96	250	138	76.7						76.7	384
2539-17-5	2-methoxytetrachlorophenol	1	24.0	24.0	24.0	24.0						24.0	120
606-20-2	2-methyl-1,3-dinitrobenzene	3	74.9	936	363	176						176	881
618-62-2	3,5-dichloronitrobenzene	3	92.7	1160	448	215						215	1080
500-28-7	3-chloro-dimethyl parathion						1	122	122	122	122	12.2	122
108-43-0	3-chlorophenol	6	25.0	210	93.8	67.8						67.8	339
99-08-1	3-nitrotoluene	3	98.0	1230	474	227						227	1140
72-54-8	4,4`-DDD	1	39.1	39.1	39.1	39.1	1	0.600	0.600	0.600	0.600	39.1	0.600
72-55-9	4,4`-DDE	8	2.68	150	49.1	33.7	3	0.290	2.48	1.17	0.810	33.7	0.810
50-29-3	4,4`-DDT	17	0.0256	58.2	19.7	6.14	13	2.93	68.9	17.6	11.1	6.14	11.1
89-59-8	4-chloro-1-methyl-nitrobenzene	1	104	104	104	104						104	520
106-47-8	4-chloroaniline						1	119	119	119	119	11.9	119
106-48-9	4-chlorophenol	6	30.0	205	165	140						140	701
99-99-0	4-nitrotoluene	2	138	1730	936	489						489	2450
83-32-9	Acenaphthene	1	3.50	3.50	3.50	3.50						3.50	17.5
107-02-8	Acrolein	1	4.50	4.50	4.50	4.50	1	5.30	5.30	5.30	5.30	4.50	5.30
107-13-1	Acrylonitrile	1	0.480	0.480	0.480	0.480						0.480	2.40
309-00-2	Aldrin	1	0.157	0.157	0.157	0.157						0.157	0.785
7429-90-5	Aluminum	2	8.53	12.5	10.5	10.3	1	8.00	8.00	8.00	8.00	10.3	8.00
52315-07-8	Ammo						1	0.0100	0.0100	0.0100	0.0100	0.00100	0.0100
62-53-3	Aniline	1	2.40	2.40	2.40	2.40	1	89.0	89.0	89.0	89.0	2.40	89.0
53469-21-9	Aroclor 1242 or PCB 1242	2	2.17	2.29	2.23	2.23						2.23	11.1
11097-69-1	Aroclor 1254	23	0.160	4240	245	17.3	3	1.53	202	110	33.8	17.3	33.8
11100-14-4	Aroclor 1268	3	14.0	15.0	14.7	14.7						14.7	73.3
98-50-0	Arsanilic acid	1	1.22	1.22	1.22	1.22						1.22	6.10

Table 31A
Summary of TRV Values Included in Bioaccumulative Toxicity Assessment for Fish

		NOED					LOED					Final Values	
CASRN	Chemical Name	N	Minimum	Maximum	Mean	Geometric Mean	N	Minimum	Maximum	Mean	Geometric Mean	NOED	LOED
7440-38-2	Arsenic	13	0.500	116	28.0	4.26	7	1.50	11.6	4.85	3.41	4.26	3.41
1327-52-2	Arsenic acid	2	1.22	1.22	1.22	1.22						1.22	6.10
1912-24-9	Atrazine	1	0.320	0.320	0.320	0.320	2	0.400	0.420	0.410	0.410	0.320	0.410
100-52-7	Benzaldehyde						1	1400	1400	1400	1400	140	1400
50-32-8	Benzo[a]pyrene	1	12.3	12.3	12.3	12.3						12.3	61.7
65-85-0	Benzoic Acid	1	3.40	3.40	3.40	3.40						3.40	17.0
7440-41-7	Beryllium	1	5.13	5.13	5.13	5.13						5.13	25.7
111-44-4	Bis(2-chloroethyl)ether	1	0.110	0.110	0.110	0.110						0.110	0.550
2104-96-3	Bromophos						1	1830	1830	1830	1830	183	1830
85-68-7	Butylbenzylphthalate	1	6.45	6.45	6.45	6.45						6.45	32.3
7440-43-9	Cadmium	111	0.00000200	751	15.2	0.00549	18	0.0320	144	19.0	2.29	0.00549	2.29
7440-70-2	Calcium	16	0.300	6.30	2.05	1.04						1.04	5.22
67-72-1	Carbon Hexachloride	1	0.860	0.860	0.860	0.860						0.860	4.30
56-23-5	Carbon tetrachloride	1	1.57	1.57	1.57	1.57						1.57	7.85
57-74-9	Chlordane	10	0.0100	87.0	10.8	0.381	5	3.18	281	63.1	14.1	0.381	14.1
83-42-1	chloro-2-methyl-3-nitrobenzene	3	98.4	1230	477	231						231	1160
108-90-7	Chlorobenzene	2	1.40	34.3	17.9	6.93						6.93	34.6
2921-88-2	Chlorpyrifos	12	0.00590	175	15.0	0.262	11	0.0380	2020	326	7.80	0.262	7.80
7440-47-3	Chromium	8	0.263	1.76	1.25	1.07						1.07	5.33
18540-29-9	Chromium VI	2	2.30	5.50	3.90	3.56						3.56	17.8
88-73-3	CNB	3	93.6	1170	452	217						217	1090
7440-50-8	Copper	25	0.450	19.8	5.47	3.41	12	1.96	24.1	12.3	9.65	3.41	9.65
41198-08-7	Curacron	1	10.4	10.4	10.4	10.4	3	5.30	97.0	40.4	21.4	10.4	21.4
120-83-2	DCP	7	75.0	225	133	125						125	624
78-48-8	DEF (Tribuphos)	8	0.390	30.5	6.21	1.82	11	0.710	45.8	6.47	2.75	1.82	2.75
117-81-7	DEHP	1	0.660	0.660	0.660	0.660						0.660	3.30
60-57-1	Dieldrin	6	0.110	28.0	7.21	1.50	1	34.0	34.0	34.0	34.0	1.50	34.0
84-66-2	DIETHYLPHTHALATE	1	1.10	1.10	1.10	1.10						1.10	5.50
131-11-3	Dimethyl phthalate	1	0.500	0.500	0.500	0.500						0.500	2.50
75-60-5	Dimethylarsenic acid	3	2.28	2.28	2.28	2.28						2.28	11.4
10048-95-0	Disodium Arsenate heptahydrate						1	0.620	0.620	0.620	0.620	0.0620	0.620
121-14-2	DNT	3	40.8	510	197	94.9						94.9	474
95-95-4	Dowicide 2	8	36.0	50.0	44.6	44.3						44.3	221
88-06-2	Dowicide 2S	8	9.90	153	81.0	60.8						60.8	304
115-29-7	Endosulfan	1	0.195	0.195	0.195	0.195						0.195	0.975
72-20-8	Endrin	18	0.0800	1.80	0.405	0.306	7	0.0115	3.40	0.959	0.417	0.306	0.417
76-01-7	Ethane pentachloride	2	0.530	3000	1500	39.9						39.9	199
107-06-2	Ethylene dichloride	1	0.190	0.190	0.190	0.190						0.190	0.950
55-38-9	Fenthion						1	2840	2840	2840	2840	284	2840
51630-58-1	Fenvalerate	8	0.200	1.40	0.769	0.651	8	0.160	3.20	1.14	0.846	0.651	0.846
70124-77-5	Flucythrinate	3	0.160	0.500	0.277	0.239	2	0.170	0.500	0.335	0.292	0.239	0.292
76-44-8	Heptachlor	5	0.0100	10.4	4.18	0.491	1	10.4	10.4	10.4	10.4	0.491	10.4
1024-57-3	Heptachlor epoxide	5	0.0100	8.00	3.09	0.444	1	8.00	8.00	8.00	8.00	0.444	8.00
2440-02-0	Heptachloronorbornene	2	300	420	360	355						355	1770
87-68-3	Hexachlorobutadiene						3	17.8	34.8	26.7	25.8	2.58	25.8
28680-44-6	Hexachloronorbornadiene	1	260	260	260	260						260	1300
7439-89-6	Iron	2	9.00	54.0	31.5	22.0						22.0	110
78-59-1	Isophorone	1	0.650	0.650	0.650	0.650						0.650	3.25
0	Jet fuel -8	3	88.0	180	149	142						142	709
143-50-0	Kepone	16	0.110	5.90	1.36	0.785	12	0.0500	500	43.4	1.48	0.785	1.48
115-32-2	Kethane	2	81.0	230	156	136	1	230	230	230	230	136	230
7439-92-1	Lead	4	0.150	4.02	2.69	1.58	1	4.00	4.00	4.00	4.00	1.58	4.00
58-89-9	Lindane	6	1.20	9.53	6.32	4.83	1	9.53	9.53	9.53	9.53	4.83	9.53

Table 31A
Summary of TRV Values Included in Bioaccumulative Toxicity Assessment for Fish

		NOED					LOED					Final Values	
CASRN	Chemical Name	N	Minimum	Maximum	Mean	Geometric Mean	N	Minimum	Maximum	Mean	Geometric Mean	NOED	LOED
121-75-5	Malathion						1	49.0	49.0	49.0	49.0	4.90	49.0
22967-92-6	MeHg	12	0.630	11.0	5.83	4.10	3	0.700	10.00	6.23	3.83	4.10	3.83
7439-97-6	Mercury	23	0.135	12.0	3.58	1.56	9	1.31	18.8	4.98	3.37	1.56	3.37
950-37-8	Methidathion						1	0.756	0.756	0.756	0.756	0.0756	0.756
100-66-3	Methoxybenzene	1	0.440	0.440	0.440	0.440						0.440	2.20
72-43-5	Methoxychlor	4	0.0600	0.520	0.238	0.180						0.180	0.902
71-55-6	Methyl Chloroform	1	0.660	0.660	0.660	0.660						0.660	3.30
22967-92-6	Methyl Mercury	12	0.630	11.0	5.83	4.10	3	0.700	10.00	6.23	3.83	4.10	3.83
67-66-3	Methyl Trichloride	1	0.660	0.660	0.660	0.660						0.660	3.30
88-72-2	methylnitrobenzene	3	100.0	1250	484	232						232	1160
2385-85-5	Mirex	24	0.0200	469	95.4	11.2	5	8.00	31.0	17.3	15.2	11.2	15.2
91-20-3	Naphthalene						1	17.0	17.0	17.0	17.0	1.70	17.0
98-95-3	nitrobenzene	4	5.00	363	106	35.1						35.1	176
86-30-6	N-nitrosodiphenylamine	1	2.00	2.00	2.00	2.00						2.00	10.00
789-02-6	o,p`-DDT	2	43.0	43.0	43.0	43.0	2	77.3	77.3	77.3	77.3	43.0	77.3
39001-02-0	OCDF						1	0.700	0.700	0.700	0.700	0.0700	0.700
29063-28-3	Octanol						1	213	213	213	213	21.3	213
130498-29-2	PAH	4	0.300	1.56	0.825	0.659						0.659	3.29
0	PBDE	24	0.00000010	0.000110	0.0000368	0.00000693						0.00000693	0.0000347
40088-47-9	PBDE-47	4	51.0	61.0	56.0	55.8						55.8	279
37680-73-2	PCB 101	18	1120	4690	2900	2290						2290	11400
35065-28-2	PCB 138	6	946	3980	2460	1940						1940	9700
35065-27-1	PCB 153	8	0.0000400	10900	4520	36.2						36.2	181
35065-29-3	PCB 180	8	0.0000600	7920	3420	36.5						36.5	183
35693-99-3	PCB 52	10	0.0000300	3260	1310	15.6						15.6	77.8
32598-13-3	PCB 77	1	1.68	1.68	1.68	1.68						1.68	8.40
1336-36-3	PCBs	26	0.140	230	44.2	10.6	23	0.140	1100	92.2	7.69	10.6	7.69
608-93-5	PCBz	8	17.5	380	307	237						237	1190
87-86-5	PCP	43	0.0400	81.0	36.7	19.8	9	10.8	69.0	34.6	29.8	19.8	29.8
131-52-2	PCP sodium salt	2	14.5	29.8	22.2	20.8	1	72.7	72.7	72.7	72.7	20.8	72.7
608-93-5	Pentachlorobenzene	8	17.5	380	307	237						237	1190
118-74-1	Perchlorobenzene	23	4.00	120	44.5	27.8						27.8	139
52645-53-1	Permethrin	6	0.480	5.70	3.84	2.97	3	0.500	4.51	1.92	1.19	2.97	1.19
85-01-8	Phenanthrene	6	17.0	115	49.0	36.6						36.6	183
108-95-2	Phenol	6	66.0	130	105	102	1	73.4	73.4	73.4	73.4	102	73.4
6515-38-4	Pyridinol	1	0.890	0.890	0.890	0.890						0.890	4.45
121-82-4	RDX	6	0.500	4.50	2.42	1.77						1.77	8.83
83-79-4	Rotenone						1	0.350	0.350	0.350	0.350	0.0350	0.350
13410-01-0	Selenate	1	12.2	12.2	12.2	12.2	1	10.3	10.3	10.3	10.3	12.2	10.3
7782-49-2	Selenium	43	0.120	12.2	2.19	1.34	22	0.180	17.8	3.34	1.90	1.34	1.90
1464-42-2	Selenomethionine	2	1.41	1.41	1.41	1.41	1	1.20	1.20	1.20	1.20	1.41	1.20
63-25-2	Sevin	2	0.00900	0.0110	0.0100	0.00995	1	36.0	36.0	36.0	36.0	0.00995	36.0
7440-22-4	Silver	18	0.00300	2.02	0.598	0.250						0.250	1.25
333-41-5	Spectracide or Diazinon	7	0.0500	800	116	2.50	4	0.0500	1000	268	4.13	2.50	4.13
76252-60-6	TCBT	1	727	727	727	727						727	3640
1746-01-6	TCDD	27	0.0000230	0.900	0.0716	0.000882	15	0.0000400	1.38	0.185	0.000878	0.000882	0.000878
79-01-6	TCE	1	0.140	0.140	0.140	0.140						0.140	0.700
25167-83-3	TeCP	2	1.49	1.49	1.49	1.49						1.49	7.45
3383-96-8	Temephos	2	8.86	300	154	51.6	2	0.160	0.160	0.160	0.160	51.6	0.160
634-66-2	Tetrachlorobenzenes	11	46.0	1100	395	238	2	1100	1100	1100	1100	238	1100
79-34-5	Tetrachloroethane	1	0.0770	0.0770	0.0770	0.0770						0.0770	0.385
127-18-4	Tetrachloroethylene	1	0.170	0.170	0.170	0.170						0.170	0.850
7440-28-0	Thallium	1	2.72	2.72	2.72	2.72						2.72	13.6

Table 31A
Summary of TRV Values Included in Bioaccumulative Toxicity Assessment for Fish

		NOED					LOED					Final Values	
CASRN	Chemical Name	N	Minimum	Maximum	Mean	Geometric Mean	N	Minimum	Maximum	Mean	Geometric Mean	NOED	LOED
118-96-7	TNT	6	0.00300	0.0135	0.00833	0.00756						0.00756	0.0378
8001-35-2	Toxaphene	41	0.200	38.0	5.82	2.72	17	0.400	36.0	6.79	2.41	2.72	2.41
56-35-9	Tributyltin oxide	3	2.60	4.19	3.13	3.05	1	0.270	0.270	0.270	0.270	3.05	0.270
1582-09-8	Trifluralin	4	0.680	120	32.6	6.65						6.65	33.3
639-58-7	Triphenyltin chloride						2	6.50	9.60	8.05	7.90	0.790	7.90
7440-62-2	Vanadium	2	0.680	5.30	2.99	1.90	2	0.410	2.70	1.56	1.05	1.90	1.05
7440-66-6	Zinc	13	0.284	300	97.4	39.4	5	4.50	300	159	80.0	39.4	80.0

Notes:

NOED - No observed effects dose

LOED - Lowest observed effects dose

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
DIOX	2,3,7,8-TCDF	51207-31-9	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
DIOX	2,8-Dichlorodibenzo-p-dioxin	38964-22-6	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
DIOX	Dioxin/furan congeners	1746-01-6	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
DIOX	Dioxin/furan congeners	1746-01-6	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
DIOX	Dioxin/furan congeners	1746-01-6	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
DIOX	Dioxin/furan congeners	1746-01-6	*Oncorhynchus kisutch*	Salmon-coho	Chordata	NW America and Asian Coast. Streams in Spring, Fall	SW, FW
DIOX	Dioxin/furan congeners	1746-01-6	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
DIOX	Dioxin/furan congeners	1746-01-6	*Perca flavescens*	Yellow perch	Chordata	East US to NS streams, lakes	FW
DIOX	Dioxin/furan congeners	1746-01-6	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
DIOX	Dioxin/furan congeners	1746-01-6	*Salvelinus namaycush*	Trout -Lake	Chordata	Deep waters of cold northern lakes	FW
DIOX	OCDF	39001-02-0	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
DIOX	TCDD	1746-01-6	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
DIOX	TCDD	1746-01-6	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
DIOX	TCDD	1746-01-6	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
DIOX	TCDD	1746-01-6	*Oncorhynchus kisutch*	Salmon-coho	Chordata	NW America and Asian Coast. Streams in Spring, Fall	SW, FW
DIOX	TCDD	1746-01-6	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
DIOX	TCDD	1746-01-6	*Perca flavescens*	Yellow perch	Chordata	East US to NS streams, lakes	FW
DIOX	TCDD	1746-01-6	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
DIOX	TCDD	1746-01-6	*Salvelinus namaycush*	Trout -Lake	Chordata	Deep waters of cold northern lakes	FW
HERB	DEF (Tribuphos)	78-48-8	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
HERB	DEF (Tribuphos)	78-48-8	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
HERB	Trifluralin	1582-09-8	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
HERB	Trifluralin	1582-09-8	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	Aluminum	7429-90-5	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Aluminum	7429-90-5	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
MET	Aluminum	7429-90-5	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
MET	Arsanilic acid	98-50-0	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Arsenic	7440-38-2	*Lepomis cyanellus*	Green sunfish	Chordata	Vegetation in lakes, ponds, streams	FW
MET	Arsenic	7440-38-2	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
MET	Arsenic	7440-38-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Arsenic acid	1327-52-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Beryllium	7440-41-7	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
MET	Cadmium	7440-43-9	*Chelon labrosus*	thicklipped mullet	Chordata	Not Specified	
MET	Cadmium	7440-43-9	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
MET	Cadmium	7440-43-9	*Gasterosteus aculeatus*	Three-spined Stickleback	Chordata	Shore zone northern hemisphere	E
MET	Cadmium	7440-43-9	*Jordanella floridae*	American flagfish	Chordata	Peninsular Florida north to St. Johns and Ochlockonee River drainages; in vegetated sloughs, lakes, sluggish streams	FW
MET	Cadmium	7440-43-9	*Lates calcarifer*	Seabass; Barramundi; Giant Perch	Chordata	Not Specified	
MET	Cadmium	7440-43-9	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
MET	Cadmium	7440-43-9	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
MET	Cadmium	7440-43-9	*Nomacheilus barbatulus*	Stone Loach	Chordata	Not Specified	
MET	Cadmium	7440-43-9	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Cadmium	7440-43-9	*Platichthys flesus*	European Flounder	Chordata	Not Specified	
MET	Cadmium	7440-43-9	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
MET	Cadmium	7440-43-9	*Salvelinus confluentus*	Bull Trout	Chordata	Not Specified	
MET	Cadmium	7440-43-9	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
MET	Cadmium	7440-43-9	*Triborodon hakonensis*	Dace	Chordata	Not Specified	
MET	Calcium	7440-70-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Chromium	7440-47-3	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
MET	Chromium	7440-47-3	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
MET	Chromium VI	18540-29-9	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Copper	7440-50-8	*Cyprinus carpio*	Common carp	Chordata	Warm lakes, ponds, streams	FW
MET	Copper	7440-50-8	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Copper	7440-50-8	*Salvelinus confluentus*	Bull Trout	Chordata	Not Specified	
MET	Copper	7440-50-8	*Terapon jarbua*	Grunt	Chordata	Not Specified	SW
MET	Dimethylarsenic acid	75-60-5	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Disodium Arsenate heptahydrate	10048-95-0	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Iron	7439-89-6	*Salmo trutta*	Trout - Brown	Chordata	Endemic in Europe; introduced into various cool streams and lakes in U.S.	FW
MET	Lead	7439-92-1	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Lead	7439-92-1	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
MET	MeHg	22967-92-6	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
MET	MeHg	22967-92-6	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	MeHg	22967-92-6	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	MeHg	22967-92-6	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
MET	MeHg	22967-92-6	*Thymallus thymallus*	Grayling	Chordata	NS	
MET	Mercury	7439-97-6	*Anguilla anguilla*	European eel	Chordata	Not Specified	FW, SW
MET	Mercury	7439-97-6	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
MET	Mercury	7439-97-6	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Mercury	7439-97-6	*Perca flavescens*	Yellow perch	Chordata	East US to NS streams, lakes	FW
MET	Mercury	7439-97-6	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	Mercury	7439-97-6	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
MET	Mercury	7439-97-6	*Stizostedion vitreum*	Walleye	Chordata	Great Lakes region, upper Mississippi north to Assiniboia, east toVT, PA, GA, AB; in clear water with rocks, gravel, sand bottom	FW
MET	Mercury	7439-97-6	*Thymallus thymallus*	Grayling	Chordata	NS	
MET	Methyl Mercury	22967-92-6	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
MET	Methyl Mercury	22967-92-6	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Methyl Mercury	22967-92-6	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	Methyl Mercury	22967-92-6	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
MET	Methyl Mercury	22967-92-6	*Thymallus thymallus*	Grayling	Chordata	NS	
MET	Selenate	13410-01-0	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	Selenium	7782-49-2	*Acipenser transmontanus*	White sturgeon	Chordata	Not Specified	
MET	Selenium	7782-49-2	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
MET	Selenium	7782-49-2	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
MET	Selenium	7782-49-2	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
MET	Selenium	7782-49-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Selenium	7782-49-2	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
MET	Selenium	7782-49-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	Selenomethionine	1464-42-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Silver	7440-22-4	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
MET	Silver	7440-22-4	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
MET	Silver	7440-22-4	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Silver	7440-22-4	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
MET	Silver	7440-22-4	*Terapon jarbua*	Grunt	Chordata	Not Specified	SW
MET	Thallium	7440-28-0	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
MET	Vanadium	7440-62-2	*Jordanella floridae*	American flagfish	Chordata	Peninsular Florida north to St. Johns and Ochlockonee River drainages; in vegetated sloughs, lakes, sluggish streams	FW
MET	Vanadium	7440-62-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MET	Zinc	7440-66-6	*Jordanella floridae*	American flagfish	Chordata	Peninsular Florida north to St. Johns and Ochlockonee River drainages; in vegetated sloughs, lakes, sluggish streams	FW
MET	Zinc	7440-66-6	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
MET	Zinc	7440-66-6	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
MET	Zinc	7440-66-6	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
MUC	Jet fuel -8	0000	*Jordanella floridae*	American flagfish	Chordata	Peninsular Florida north to St. Johns and Ochlockonee River drainages; in vegetated sloughs, lakes, sluggish streams	FW
MUC	Jet fuel -8	0000	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
MUC	RDX	121-82-4	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
MUC	TNT	118-96-7	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
OTIN	Triphenyltin chloride	639-58-7	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
PBDEs	PBDE-47	40088-47-9	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PBDEs	PBDE-47	40088-47-9	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PCB	Aroclor 1242 or PCB 1242	53469-21-9	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
PCB	Aroclor 1254	11097-69-1	*Brachydanio rerio*	Zebra Fish	Chordata	Native to tributaries and branches of Ganges River, India; common aquarium fish elsewhere	FW
PCB	Aroclor 1254	11097-69-1	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PCB	Aroclor 1254	11097-69-1	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PCB	Aroclor 1254	11097-69-1	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
PCB	Aroclor 1254	11097-69-1	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
PCB	Aroclor 1254	11097-69-1	*Salvelinus namaycush*	Trout -Lake	Chordata	Deep waters of cold northern lakes	FW
PCB	Aroclor 1268	11100-14-4	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
PCB	PCB 101	37680-73-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PCB	PCB 138	35065-28-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PCB	PCB 153	35065-27-1	*Cyprinus carpio*	Common carp	Chordata	Warm lakes, ponds, streams	FW
PCB	PCB 153	35065-27-1	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PCB	PCB 180	35065-29-3	*Cyprinus carpio*	Common carp	Chordata	Warm lakes, ponds, streams	FW
PCB	PCB 180	35065-29-3	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PCB	PCB 52	35693-99-3	*Cyprinus carpio*	Common carp	Chordata	Warm lakes, ponds, streams	FW
PCB	PCB 52	35693-99-3	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PCB	PCB 52	35693-99-3	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PCB	PCB 77	32598-13-3	*Thymallus arcticus*	Arctic Grayling	Chordata	Not Specified	
PCB	PCB congeners	1336-36-3	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PCB	PCB congeners	1336-36-3	*Danio rerio*	Zebra Danio	Chordata	Not Specified	
PCB	PCB congeners	1336-36-3	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
PCB	PCB congeners	1336-36-3	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PCB	PCB congeners	1336-36-3	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
PCB	PCB congeners	1336-36-3	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
PCB	PCB congeners	1336-36-3	*Morone saxatilis*	Striped Bass	Chordata	Inshore fish in various habitats in estuaries and rivers	E, SW
PCB	PCB congeners	1336-36-3	*Oncorhynchus kisutch*	Salmon-coho	Chordata	NW America and Asian Coast. Streams in Spring, Fall	SW, FW
PCB	PCB congeners	1336-36-3	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PCB	PCB congeners	1336-36-3	*Phoxinus phoxinus*	Minnow	Chordata	Not Specified	
PCB	PCB congeners	1336-36-3	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
PCB	PCB congeners	1336-36-3	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
PCB	PCB congeners	1336-36-3	*Salvelinus namaycush*	Trout -Lake	Chordata	Deep waters of cold northern lakes	FW
PEST	2,4`-DDE	3424-82-6	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	3-chloro-dimethyl parathion	500-28-7	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
PEST	4,4'-DDD	72-54-8	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	4,4'-DDD	72-54-8	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	4,4'-DDE	72-55-9	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	4,4'-DDE	72-55-9	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
PEST	4,4'-DDE	72-55-9	*Salvelinus namaycush*	Trout -Lake	Chordata	Deep waters of cold northern lakes	FW
PEST	4,4'-DDT	50-29-3	*Brevoortia tyrannus*	Atlantic menhaden	Chordata	Nearshore; Nova Scotia to Florida to Brazil	
PEST	4,4'-DDT	50-29-3	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
PEST	4,4'-DDT	50-29-3	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	4,4'-DDT	50-29-3	*Lepomis cyanellus*	Green sunfish	Chordata	Vegetation in lakes, ponds, streams	FW
PEST	4,4'-DDT	50-29-3	*Lepomis gibbosus*	Pumpkinseed	Chordata	Vegetation in lakes, ponds, streams	FW
PEST	4,4'-DDT	50-29-3	*Oncorhynchus kisutch*	Salmon-coho	Chordata	NW America and Asian Coast. Streams in Spring, Fall	SW, FW
PEST	4,4'-DDT	50-29-3	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
PEST	4,4'-DDT	50-29-3	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	4,4'-DDT	50-29-3	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
PEST	4,4'-DDT	50-29-3	*Salvelinus namaycush*	Trout -Lake	Chordata	Deep waters of cold northern lakes	FW
PEST	Aldrin	309-00-2	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	alpha-Chlordane	57-74-9	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	alpha-Chlordane	57-74-9	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PEST	alpha-Chlordane	57-74-9	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
PEST	Ammo	52315-07-8	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
PEST	Atrazine	1912-24-9	*Coregonus fera*	Whitefish	Chordata	Not Specified	
PEST	Bromophos	2104-96-3	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
PEST	Chlorpyrifos	2921-88-2	*Aphanius iberus*	Spanish toothcarp	Chordata	Not Specified	
PEST	Chlorpyrifos	2921-88-2	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	Chlorpyrifos	2921-88-2	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
PEST	Chlorpyrifos	2921-88-2	*Leuresthes tenuis*	California grunion	Chordata	Coast of California from San Francisco to San Diego; sandy and gravely shores	SW
PEST	Chlorpyrifos	2921-88-2	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
PEST	Chlorpyrifos	2921-88-2	*Opsanus beta*	Gulf Toadfish	Chordata	Inshore waters around Gulf of Mexico, sandy or muddy bottoms under stones or debris in hollowed-out den	SW, E
PEST	Chlorpyrifos	2921-88-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Curacron	41198-08-7	*Melanotaenia duboulayi*	Eastern Rainbowfish	Chordata	Not Specified	

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
PEST	Dieldrin	60-57-1	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Dieldrin	60-57-1	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	Dieldrin	60-57-1	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
PEST	Dieldrin	60-57-1	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PEST	Dowicide 2	95-95-4	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
PEST	Dowicide 2S	88-06-2	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
PEST	Dowicide 2S	88-06-2	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
PEST	Endosulfan I	115-29-7	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PEST	Endrin	72-20-8	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Endrin	72-20-8	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	Endrin	72-20-8	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
PEST	Endrin	72-20-8	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
PEST	Endrin	72-20-8	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
PEST	Endrin	72-20-8	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PEST	Endrin	72-20-8	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Endrin	72-20-8	*Poecilia latipinna*	Sailfin molly	Chordata	Atlantic, Gulf Coast drainages from Cape Fear, NC to Vera Crux, Mexico; introduced into Colorado River	FW
PEST	Fenthion	55-38-9	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
PEST	Fenvalerate	51630-58-1	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Fenvalerate	51630-58-1	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Fenvalerate	51630-58-1	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
PEST	Flucythrinate	70124-77-5	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Flucythrinate	70124-77-5	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	gamma-BHC (Lindane)	58-89-9	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	gamma-BHC (Lindane)	58-89-9	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
PEST	gamma-BHC (Lindane)	58-89-9	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
PEST	Heptachlor	76-44-8	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Heptachlor	76-44-8	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PEST	Heptachlor	76-44-8	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
PEST	Heptachlor Epoxide	1024-57-3	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Heptachlor Epoxide	1024-57-3	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PEST	Heptachlor Epoxide	1024-57-3	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
PEST	Heptachloronorbornene	2440-02-0	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Hexachloronorbornadiene	28680-44-6	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Kepone	143-50-0	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Kepone	143-50-0	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
PEST	Kepone	143-50-0	*Petromyzon marinus*	Sea Lamprey	Chordata	Norway to Mediterranean; west coast of Greenland to Florida; introduced on west coast; landlocked in some lakes	SW, FW
PEST	Kepone	143-50-0	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Kethane	115-32-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Malathion	121-75-5	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PEST	Methoxychlor	72-43-5	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	Methoxychlor	72-43-5	*Mugil cephalus*	Striped mullet	Chordata	Both sides of temperate Atlantic, Cape Cod to Brazil; Monterey to Chile on west coast; in large schools in bays, lagoons	SW, E

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
PEST	Mirex	2385-85-5	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
PEST	Mirex	2385-85-5	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Mirex	2385-85-5	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
PEST	Mirex	2385-85-5	*Mugil cephalus*	Striped mullet	Chordata	Both sides of temperate Atlantic, Cape Cod to Brazil; Monterey to Chile on west coast; in large schools in bays, lagoons	SW, E
PEST	Mirex	2385-85-5	*Oncorhynchus kisutch*	Salmon-coho	Chordata	NW America and Asian Coast. Streams in Spring, Fall	SW, FW
PEST	Mirex	2385-85-5	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Mirex	2385-85-5	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
PEST	o,p`-DDT	789-02-6	*Poecilia latipinna*	Sailfin molly	Chordata	Atlantic, Gulf Coast drainages from Cape Fear, NC to Vera Crux, Mexico; introduced into Colorado River	FW
PEST	Permethrin	52645-53-1	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Permethrin	52645-53-1	*Oreochromis aureus*	Blue tilipia	Chordata	Not Specified	
PEST	Permethrin	52645-53-1	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Permethrin	52645-53-1	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
PEST	Rotenone	83-79-4	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PEST	Sevin	63-25-2	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
PEST	Sevin	63-25-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
PEST	Spectracide or Diazinon	333-41-5	*Brachydanio rerio*	Zebra Fish	Chordata	Native to tributaries and branches of Ganges River, India; common aquarium fish elsewhere	FW
PEST	Spectracide or Diazinon	333-41-5	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Spectracide or Diazinon	333-41-5	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
PEST	TCBT	76252-60-6	*Brachydanio rerio*	Zebra Fish	Chordata	Native to tributaries and branches of Ganges River, India; common aquarium fish elsewhere	FW
PEST	Temephos	3383-96-8	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
PEST	Temephos	3383-96-8	*Oreochromis mossambicus*	Mozambique tilapia	Chordata	Not Specified	FW
PEST	Toxaphene	8001-35-2	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST	Toxaphene	8001-35-2	*Fundulus similis*	Longnose killifish	Chordata	Florida to Texas. Brackish waters and shallow bays	
PEST	Toxaphene	8001-35-2	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
PEST	Toxaphene	8001-35-2	*Ictalurus punctatus*	Catfish-Channel	Chordata	Rapid water streams	FW
PEST	Toxaphene	8001-35-2	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
PEST	Toxaphene	8001-35-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
PEST	Toxaphene	8001-35-2	*Salvelinus fontinalis*	Trout - Brook	Chordata	Cool streams, gravel bottoms	FW
PEST/OTIN	Tributyltin oxide	56-35-9	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
PEST/OTIN	Tributyltin oxide	56-35-9	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	1,2,3,5-tetrachlorobenzene	634-90-2	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	1,2,4,5-tetrachlorobenzene	95-94-3	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	1,2,4-Trichlorobenzene	120-82-1	*Leiostomus xanthurus*	Spot	Chordata	Inshore waters Texas to southern New England	E, SW
SVOC	1,2,4-Trichlorobenzene	120-82-1	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	1,2,4-Trichlorobenzene	120-82-1	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
SVOC	1,2-dinitrobenzene	528-29-0	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	1,3-dichloro-4-nitrobenzene	611-06-3	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	1,3-dinitrobenzene	99-65-0	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	1-chloro-3-nitrobenzene	121-73-3	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	1-chloro-4-nitrobenzene	100-00-5	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
SVOC	2,3,4,5-Tetrachlorocebenamine	634-83-3	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	2,3,4,6-Tetrachlorophenol	58-90-2	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	2,3,5-trichlorophenol	933-78-8	*Oncorhynchus gorbuscha*	Pink Salmon	Chordata	Not Specified	
SVOC	2,3-DCP	576-24-9	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	2,3-dichloronitrobenzene	3209-22-1	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	2,3-dimethylnitrobenzene	83-41-0	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	2,4-dimethylphenol	105-67-9	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	2,4-dimethylphenol	105-67-9	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	2,4-dinitrophenol	51-28-5	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	2,5-DCP	583-78-8	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	2,5-dichloronitrobenzene	89-61-2	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	2,6-DCP	87-65-0	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	2,6-diethylaniline	579-66-8	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	2-chloroaniline	95-51-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	2-chlorophenol	95-57-8	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	2-chlorophenol	95-57-8	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	2-methoxytetrachlorophenol	2539-17-5	*Salmo salar*	Salmon - Atlantic	Chordata	Both coasts of N.Atlantic, freshwater for juv and when spawning	FW
SVOC	2-methyl-1,3-dinitrobenzene	606-20-2	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	2-Methylnaphthalene	130498-29-2	*Oncorhynchus gorbuscha*	Pink Salmon	Chordata	Not Specified	
SVOC	2-Methylnaphthalene	130498-29-2	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
SVOC	3,5-dichloronitrobenzene	618-62-2	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	3-chlorophenol	108-43-0	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	3-nitrotoluene	99-08-1	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	4-chloro-1-methyl-nitrobenzene	89-59-8	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	4-chloroaniline	106-47-8	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	4-chlorophenol	106-48-9	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	Acenaphthene	83-32-9	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	Aniline	62-53-3	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	Aniline	62-53-3	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	Benzaldehyde	100-52-7	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	Benzo(a)pyrene	50-32-8	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	Benzoic Acid	65-85-0	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	Bis(2-chloroethyl)ether	111-44-4	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
SVOC	Butylbenzylphthalate	85-68-7	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	Carbon Hexachloride	67-72-1	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	chloro-2-methyl-3-nitrobenzene	83-42-1	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	CNB	88-73-3	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	DCP	120-83-2	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	DEHP	117-81-7	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	DIETHYLPHTHALATE	84-66-2	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	Dimethyl phthalate	131-11-3	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	DNT	121-14-2	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	Isophorone	78-59-1	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	Methoxybenzene	100-66-3	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	methylnitrobenzene	88-72-2	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	nitrobenzene	98-95-3	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	nitrobenzene	98-95-3	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
SVOC	N-nitrosodiphenylamine	86-30-6	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	PCP	87-86-5	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	PCP	87-86-5	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	PCP	87-86-5	*Micropterus salmoides*	Largemouth Bass	Chordata	Canada south to Florida, Texas, into Mexico; lakes, bayous, sluggish waters, moderate to shallow depths; mud-sand-gravel bottoms	FW
SVOC	PCP	87-86-5	*Oncorhynchus gorbuscha*	Pink Salmon	Chordata	Not Specified	
SVOC	PCP	87-86-5	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	PCP	87-86-5	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
SVOC	PCP	87-86-5	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
SVOC	Pentachlorobenzene	608-93-5	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
SVOC	Pentachlorobenzene	608-93-5	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
SVOC	Perchlorobenzene	118-74-1	*Cyprinodon variegatus*	Sheepshead minnow	Chordata	Shallow brackish waters, Cape Cod to Mexico	E
SVOC	Perchlorobenzene	118-74-1	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	Perchlorobenzene	118-74-1	*Lagodon rhomboides*	Pinfish	Chordata	Lower portions of estuaries, Mass. to Texas, most common Virginia south	E, SW
SVOC	Perchlorobenzene	118-74-1	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
SVOC	Phenanthrene	85-01-8	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	Phenol	108-95-2	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
SVOC	Phenol	108-95-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
SVOC	Pyridinol	6515-38-4	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
SVOC	TeCP	25167-83-3	*Oncorhynchus tshawytscha*	Salmon - Chinook	Chordata	Both coasts of Pacific; Monterey Bay and China north to Bering Straits, ascending all large streams, e.g., Columbia River	SW, FW
SVOC	Tetrachlorobenzenes	634-66-2	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW

Table 31B
Fish and Invertebrates Species Included in TRV Development for Fish

ERED Chemical Class	ERED Chemical Name	CASRN	Species	Common name	Phylum	HABITAT	Salinity Regime
TBD	4-nitrotoluene	99-99-0	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
TBD	Hexachlorobutadiene	87-68-3	*Carassius auratus*	Goldfish	Chordata	Widespread in US (introduced), warm lakes, ponds, quiet streams, particularly in weedy situations	FW
TBD	Methidathion	950-37-8	*Poecilia reticulata*	Guppy	Chordata	Native to West Indies, n. South America; est. in AB, AZ, ID, NV, TX, WY, possibly CA; generally uncommon	FW
TBD	Octanol	29063-28-3	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
TBD	PBDE	0000000	*Cyprinus carpio*	Common carp	Chordata	Warm lakes, ponds, streams	FW
TBD	PCBz	608-93-5	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
TBD	PCBz	608-93-5	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
VOC	1,2-Dichlorobenzene	95-50-1	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	1,3-Dichlorobenzene	541-73-1	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	1,3-Dichlorobenzene	541-73-1	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
VOC	1,4-Dichlorobenzene	106-46-7	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	1,4-Dichlorobenzene	106-46-7	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
VOC	Acrolein	107-02-8	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Acrolein	107-02-8	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
VOC	Acrylonitrile	107-13-1	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Carbon tetrachloride	56-23-5	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Chlorobenzene	108-90-7	*Gambusia affinis*	Mosquito fish	Chordata	Brackish and freshwater marshes and lagoons of south Atlantic and Gulf coasts, north to southern Illinois;	E, FW
VOC	Chlorobenzene	108-90-7	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
VOC	Ethane pentachloride	76-01-7	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Ethane pentachloride	76-01-7	*Pimephales promelas*	Fathead minnow	Chordata	Lakes, ponds, streams	FW
VOC	Ethylene dichloride	107-06-2	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Methyl Chloroform	71-55-6	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Methyl Trichloride	67-66-3	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Naphthalene	91-20-3	*Fundulus heteroclitus*	Mummichog	Chordata	Sheltered shores, tidal creeks, brackish water at mouths of streams and estuaries	E
VOC	PCP sodium salt	131-52-2	*Oncorhynchus mykiss*	Trout - Rainbow	Chordata	Cool streams	FW
VOC	TCE	79-01-6	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Tetrachloroethane	79-34-5	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW
VOC	Tetrachloroethylene	127-18-4	*Lepomis macrochirus*	Bluegill	Chordata	Vegetation in lakes, ponds, streams	FW

Note:

FW - freshwater

E- estuarine

SW - saltwater/marine

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
1,2,3,4,6,7,8-HpCDD	1	3	17	214.0	603	397	ng/kg	201	3	15	1.49	1.13	0.49	0.18	5.55E-01	4.86E-01	0.00039	0.0025	0.0012
1,2,3,4,6,7,8-HpCDD	2A	7	40	334.17	388	374	ng/kg	127	4	0	5.29	4.710	5.040			5.04E+00	0.01300	0.014095	0.01349
1,2,3,4,6,7,8-HpCDD	2B	1	1	318.0	1400	859	ng/kg	2	2	0	0.759	0.535	6.47E-01			0.647	0.00038	0.002387	0.00138
1,2,3,4,6,7,8-HpCDD	3A	40	40	387.6	388	388	ng/kg	120	0	3			5.89E-01	3.37E-01	0.86	0.589	0.00087	0.002206	0.00152
1,2,3,4,6,7,8-HpCDD	3B	7	42	237.2	388	334	ng/kg	200	0	7			0.57	0.17	2.19E+00	5.66E-01	0.00046	0.00565	0.0016
1,2,3,4,6,7,8-HpCDD	4A	72	72	336.7	337	337	ng/kg	216	3	0	12.7	2.93	6.80E+00			6.797	0.00870	0.037722	0.02019
1,2,3,4,6,7,8-HpCDD	4B	72	72	336.67	337	337	ng/kg	288	0	4			0.20	0.14	2.83E-01	2.02E-01	0.00041	0.00084	0.0006
1,2,3,4,6,7,8-HpCDD	I 1A	1	1	180.00	680	355	ng/kg	3	3	0	13	1.78	5.59			5.59E+00	0.00976	0.01912	0.0129
1,2,3,4,6,7,8-HpCDD	I 1B	1	5	259.5	1290	603	ng/kg	7	3	0	8.55	2.69	5.74			5.74E+00	0.00464	0.03295	0.01598
1,2,3,4,6,7,8-HpCDD	I 2A	12	12	356.7	357	357	ng/kg	24	2	0	1.31	1.20	1.255			1.255	0.00336	0.00367	0.00352
1,2,3,4,6,7,8-HpCDD	I 2B	22	26	239.6	253	244	ng/kg	70	2	1	1.01	0.76	0.7285	0.41	0.413	0.729	0.00163	0.004215	0.0030
1,2,3,4,6,7,8-HpCDF	1	3	17	147.9	8358	4760	ng/kg	201	16	2	9.51	0.1	2.9	0.4	6.15E-01	2.89E+00	0.00015	0.0272	0.003
1,2,3,4,6,7,8-HpCDF	2A	7	40	263.26	4644	3549	ng/kg	127	4	0	92.2	49.9	62.35			62.35	0.01074	0.35023	0.0960
1,2,3,4,6,7,8-HpCDF	2B	1	1	279.0	7600	3940	ng/kg	2	2	0	17.2	5	11			1.11E+01	0.00226	0.0177	0.0100
1,2,3,4,6,7,8-HpCDF	3A	40	40	4644.3	4644	4644	ng/kg	120	3	0	237	108.0	167.67			167.667	0.02325	0.0510299	0.0361
1,2,3,4,6,7,8-HpCDF	3B	7	42	263.3	4644	3109	ng/kg	200	6	1	38.6	3.7	13.343	0.3	3.10E-01	1.33E+01	0.00007	0.039019	0.0106
1,2,3,4,6,7,8-HpCDF	4A	72	72	2827.1	2827	2827	ng/kg	216	3	0	88.3	0.4	31.55			31.553	0.00013	0.0312329	0.0112
1,2,3,4,6,7,8-HpCDF	4B	72	72	2827.14	2827	2827	ng/kg	288	4	0	40.8	6.8	24.93			2.49E+01	0.00241	0.01443	0.00882
1,2,3,4,6,7,8-HpCDF	I 1A	1	1	450.00	12000	4730	ng/kg	3	3	0	35	2	13.7			1.37E+01	0.00223	0.005044	0.003
1,2,3,4,6,7,8-HpCDF	I 1B	1	5	720.0	31300	11999	ng/kg	7	3	0	439	10.60	157.60			157.6	0.00074	0.11037	0.04194
1,2,3,4,6,7,8-HpCDF	I 2A	12	12	345.3	345	345	ng/kg	24	2	0	2.61	2.52	2.57			2.57E+00	0.00730	0.007560	0.00743
1,2,3,4,6,7,8-HpCDF	I 2B	22	26	2719.2	3035.1	2825	ng/kg	70	3	0	5.48	2.54	3.930			3.9300	0.00093	0.0020153	0.00140
1,2,3,4,7,8,9-HpCDF	1	3	17	17.5	2080.9	1128	ng/kg	201	4	14	1.06	0.65	0.27	0.02	2.73E-01	2.71E-01	0.00004	0.00678	0.0010
1,2,3,4,7,8,9-HpCDF	2A	7	40	19.97	1078.50	814	ng/kg	127	4	0	6.1	1.36	4.50			4.503	0.00484	0.068117	0.0209
1,2,3,4,7,8,9-HpCDF	2B	1	1	9.8	1400	705	ng/kg	2	1	1	1	1.00	0.57	0.13	0.133	0.566	0.00071	0.013507	0.00711
1,2,3,4,7,8,9-HpCDF	3A	40	40	1078.5	1078.5	1078	ng/kg	120	1	2	1.7	1.7	8.67E-01	3.47E-01	0.56	0.8672	0.00032	0.0015763	0.00080
1,2,3,4,7,8,9-HpCDF	3B	7	42	15.7	1078	699	ng/kg	200	0	7			0.36	0.04	1.685	0.3569	0.00007	0.002401	0.00099
1,2,3,4,7,8,9-HpCDF	4A	72	72	641.2	641	641	ng/kg	216	1	2	1.68	1.68	7.83E-01	7.00E-02	0.60	0.7833	0.00011	0.002620	0.00122
1,2,3,4,7,8,9-HpCDF	4B	72	72	641.18	641.2	641	ng/kg	288	0	4			0.113	0.07	0.146	0.113	0.00011	0.00023	0.00018
1,2,3,4,7,8,9-HpCDF	I 1A	1	1	90.00	2400	972	ng/kg	3	2	1	8.8	1	3.25	0.2	1.70E-01	3.25E+00	0.00185	0.003667	0.002
1,2,3,4,7,8,9-HpCDF	I 1B	1	5	120.0	6470.0	2472.3	ng/kg	7	3	0	207	1.5	7.08E+01			70.787	0.00060	0.25037	0.08782
1,2,3,4,7,8,9-HpCDF	I 2A	12	12	40.5	40	40	ng/kg	24	0	2			1.70E-01	1.70E-01	0.170	0.170	0.00419	0.004186	0.004186
1,2,3,4,7,8,9-HpCDF	I 2B	22	26	577.5	652.08	602.4	ng/kg	70	0	3			0.210	0.184	0.263	0.2103	0.00032	0.00040	0.000
1,2,3,4,7,8-HxCDD	1	3	17	1.3	38.60	20.9	ng/kg	201	1	17	0.152	1.52E-01	8.71E-02	3.73E-02	0.171	0.087	0.00182	0.11998	0.0148
1,2,3,4,7,8-HxCDD	2A	7	40	2.48	22.05	17	ng/kg	127	0	4			1.91E-01	1.22E-01	0.2580	0.1908	0.00850	0.048906	0.0195
1,2,3,4,7,8-HxCDD	2B	1	1	5.8	110.0	57.9	ng/kg	2	0	2			8.60E-02	7.95E-02	0.093	0.086	0.00072	0.0158	0.0083
1,2,3,4,7,8-HxCDD	3A	40	40	22.0	22.05	22.0	ng/kg	120	0	3			2.81E-01	2.60E-01	0.31	0.2807	0.01177	0.01406	0.0127
1,2,3,4,7,8-HxCDD	3B	7	42	2.5	22.0	15.1	ng/kg	200	0	7			0.277	0.045	1.020	0.277	0.00203	0.0463	0.0188
1,2,3,4,7,8-HxCDD	4A	72	72	14.9	14.9	14.9	ng/kg	216	1	2	0.458	0.458	6.98E-01	0.79	0.845	0.6977	0.03068	0.05660	0.0467
1,2,3,4,7,8-HxCDD	4B	72	72	14.93	14.93	14.9	ng/kg	288	0	4			0.123	0.067	0.192	0.123	0.00445	0.01283	0.0082
1,2,3,4,7,8-HxCDD	I 1A	1	1	3.35	57.00	23	ng/kg	3	2	1	0.255	0.110	0.305	0.550	5.50E-01	3.05E-01	0.00965	0.07612	0.0326
1,2,3,4,7,8-HxCDD	I 1B	1	5	4.1	104.00	42.12	ng/kg	7	3	0	0.41	0.26	3.53E-01			0.3533	0.00394	0.0634	0.0296
1,2,3,4,7,8-HxCDD	I 2A	12	12	5.1	5.1	5.1	ng/kg	24	0	2			8.08E-02	6.00E-02	0.102	0.081	0.01166	0.0197	0.0157
1,2,3,4,7,8-HxCDD	I 2B	22	26	12.3	13.0	13	ng/kg	70	0	3			0.330	0.23	0.397	0.3295	0.01738	0.032328	0.02649
1,2,3,4,7,8-HxCDF	1	3	17	27.7	3214.5	1744	ng/kg	201	12	6	7.23	0.8	2.11	0.0	1.70E-01	2.11E+00	0.00039	0.00525	0.002
1,2,3,4,7,8-HxCDF	2A	7	40	35.35	1699.1	1283	ng/kg	127	4	0	17.3	4.87	13.19			13.1925	0.00865	0.13777	0.041
1,2,3,4,7,8-HxCDF	2B	1	1	31.3	3000	1516	ng/kg	2	2	0	4.68	3.6	4.13			4.13	0.00156	0.11438	0.05797
1,2,3,4,7,8-HxCDF	3A	40	40	1699.1	1699.1	1699	ng/kg	120	3	0	13.5	3.73	10.110			10.110	0.00220	0.007946	0.0060
1,2,3,4,7,8-HxCDF	3B	7	42	27.2	1699	1095	ng/kg	200	6	1	6.4	0.7	2.04	0.3	3.01E-01	2.035571429	0.00018	0.06129	0.0126
1,2,3,4,7,8-HxCDF	4A	72	72	1019.6	1020	1020	ng/kg	216	3	0	26.5	1.24	15.980			15.9800	0.00122	0.0259916	0.01567
1,2,3,4,7,8-HxCDF	4B	72	72	1019.56	1020	1020	ng/kg	288	3	1	1.19	0.6	0.62	0.0	2.05E-02	6.17E-01	0.00002	0.00117	0.0006
1,2,3,4,7,8-HxCDF	I 1A	1	1	190.00	3000	1308	ng/kg	3	3	0	36	2	13.2			13.23333333	0.00297	0.01200	0.008
1,2,3,4,7,8-HxCDF	I 1B	1	5	250.0	8990.0	3452.4	ng/kg	7	3	0	590	14.40	207.07			207.0666667	0.00187	0.5281	0.1959
1,2,3,4,7,8-HxCDF	I 2A	12	12	88.7	89	89	ng/kg	24	2	0	1.88	1.6	1.7			1.73	0.01782	0.0212	0.0195
1,2,3,4,7,8-HxCDF	I 2B	22	26	878.6	999.9	919.0	ng/kg	70	3	0	14	10.900	12.533			12.5333	0.01090	0.01593	0.0138
1,2,3,6,7,8-HxCDD	1	3	17	11.0	48.7	30.1	ng/kg	201	4	14	0.342	0.165	0.136	0.066	2.06E-01	1.36E-01	0.00160	0.0310	0.0071
1,2,3,6,7,8-HxCDD	2A	7	40	21.79	27.6	26.2	ng/kg	127	4	0	0.869	0.708	0.798			7.98E-01	0.02852	0.03250	0.0306
1,2,3,6,7,8-HxCDD	2B	1	1	24.0	83.0	53.5	ng/kg	2	2	0	0.59	0.278	0.434			0.434	0.00335	0.0246	0.0140
1,2,3,6,7,8-HxCDD	3A	40	40	27.6	27.6	27.6	ng/kg	120	2	1	0.935	0.759	0.669	0.313	0.31	0.669	0.01133	0.03384	0.0242
1,2,3,6,7,8-HxCDD	3B	7	42	14.7	27.6	23.1	ng/kg	200	4	3	0.406	0.16	0.46	0.22	1.19E+00	4.65E-01	0.00583	0.0429	0.020

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
1,2,3,6,7,8-HxCDD	4A	72	72	25.1	25.1	25.1	ng/kg	216	3	0	6.93	2.380	4.103			4.1033	0.09471	0.27576	0.1633
1,2,3,6,7,8-HxCDD	4B	72	72	25.13	25.130	25.1	ng/kg	288	1	3	0.424	0.424	0.205	0.083	0.211	0.205	0.00328	0.0169	0.008
1,2,3,6,7,8-HxCDD	I 1A	1	1	0.52	44.0	16	ng/kg	3	2	1	0.619	0.21	0.560	0.85	8.50E-01	0.559666667	0.01932	0.40385	0.1827
1,2,3,6,7,8-HxCDD	I 1B	1	5	17.1	117.0	50.7	ng/kg	7	3	0	1.2	0.940	1.097			1.097	0.00983	0.06998	0.04401
1,2,3,6,7,8-HxCDD	I 2A	12	12	33.3	33.3	33.3	ng/kg	24	1	1	0.222	0.222	1.72E-01	1.22E-01	0.122	0.172	0.00367	0.0067	0.0052
1,2,3,6,7,8-HxCDD	I 2B	22	26	14.6	16.3	15	ng/kg	70	0	3			0.358	0.26	0.412	0.3580	0.01600	0.02813	0.0239
1,2,3,6,7,8-HxCDF	1	3	17	10.8	942.0	519	ng/kg	201	15	3	27.6	0.1	7.87	0.1	2.10E-01	7.87E+00	0.00385	0.0808	0.018
1,2,3,6,7,8-HxCDF	2A	7	40	17.67	505.5	384	ng/kg	127	4	0	11.9	8.02	10.11			10.11	0.01587	0.67335	0.182
1,2,3,6,7,8-HxCDF	2B	1	1	12.3	510	261	ng/kg	2	2	0	4.2	2.5	3.3			3.33	0.00824	0.2000	0.104
1,2,3,6,7,8-HxCDF	3A	40	40	505.5	505.5	505	ng/kg	120	3	0	57.2	21.6	38.433			38.43	0.04273	0.11316	0.076
1,2,3,6,7,8-HxCDF	3B	7	42	13.0	505	332	ng/kg	200	6	1	11.4	0.9	4.57	1.2	1.15E+00	4.570571429	0.00228	0.28816	0.0584
1,2,3,6,7,8-HxCDF	4A	72	72	305.2	305	305	ng/kg	216	3	0	18.7	1.54	11.447			11.447	0.00505	0.061272	0.0375
1,2,3,6,7,8-HxCDF	4B	72	72	305.20	305.2	305	ng/kg	288	4	0	5.34	0.71	3.279			3.28E+00	0.00231	0.01750	0.0107
1,2,3,6,7,8-HxCDF	I 1A	1	1	43.00	980.0	423	ng/kg	3	3	0	8.7	1	3.55			3.55E+00	0.00287	0.02884	0.014
1,2,3,6,7,8-HxCDF	I 1B	1	5	66.0	2990.0	1142.4	ng/kg	7	3	0	136	5.600	49.177			49.17666667	0.00198	0.3664	0.1511
1,2,3,6,7,8-HxCDF	I 2A	12	12	31.6	32	32	ng/kg	24	2	0	0.77	0.61	0.69			6.90E-01	0.01932	0.0244	0.0219
1,2,3,6,7,8-HxCDF	I 2B	22	26	287.1	323.32	299.2	ng/kg	70	3	0	3.92	3.530	3.670			3.6700	0.01092	0.01365	0.0123
1,2,3,7,8,9-HxCDD	1	3	17	7.3	25.5	16.2	ng/kg	201	1	17	0.162	1.62E-01	8.90E-02	3.84E-02	0.173	0.089	0.00294	0.0221	0.0063
1,2,3,7,8,9-HxCDD	2A	7	40	10.90	16.6	15.2	ng/kg	127	0	4			1.99E-01	1.21E-01	0.2695	0.1990	0.01110	0.016204	0.01292
1,2,3,7,8,9-HxCDD	2B	1	1	11.3	82.0	46.7	ng/kg	2	0	2			8.48E-02	7.70E-02	0.093	0.085	0.00094	0.0082	0.0046
1,2,3,7,8,9-HxCDD	3A	40	40	16.6	16.63	16.6	ng/kg	120	0	3			0.2820	0.2635	0.31	0.2820	0.01584	0.01855	0.0170
1,2,3,7,8,9-HxCDD	3B	7	42	9.7	16.6	13.8	ng/kg	200	1	6	0.0878	0.09	0.27	0.04	1.010	0.269	0.00267	0.0607	0.0181
1,2,3,7,8,9-HxCDD	4A	72	72	14.6	14.6	14.6	ng/kg	216	1	2	1.27	1.27	8.58E-01	4.85E-01	0.820	0.8583	0.03321	0.08695	0.0588
1,2,3,7,8,9-HxCDD	4B	72	72	14.61	14.606	14.6	ng/kg	288	0	4			0.123	0.069	0.185	0.123	0.00469	0.0127	0.008
1,2,3,7,8,9-HxCDD	I 1A	1	1	0.45	38.00	14.6	ng/kg	3	2	1	0.266	0.180	0.279	0.390	3.90E-01	0.278666667	0.01026	0.40404	0.1542
1,2,3,7,8,9-HxCDD	I 1B	1	5	5.5	63.6	27.7	ng/kg	7	3	0	0.84	0.39	5.93E-01			0.5933	0.00865	0.07091	0.04637
1,2,3,7,8,9-HxCDD	I 2A	12	12	15.2	15.2	15.2	ng/kg	24	0	2			8.25E-02	6.25E-02	0.103	0.083	0.00410	0.0067	0.0054
1,2,3,7,8,9-HxCDD	I 2B	22	26	10.5	11.275	11	ng/kg	70	0	3			0.328	0.233	0.38	0.3277	0.02062	0.036763	0.0308
1,2,3,7,8,9-HxCDF	1	3	17	0.7	346.60	183	ng/kg	201	7	11	0.505	0.10	0.27	0.01	2.360	0.275	0.00018	0.0932	0.014
1,2,3,7,8,9-HxCDF	2A	7	40	1.28	169.49	127.4	ng/kg	127	3	1	2.56	2.45	1.95E+00	0.231	0.231	1.950	0.01446	0.18077	0.0564
1,2,3,7,8,9-HxCDF	2B	1	1	3.7	73	38	ng/kg	2	0	2			0.14	0.12	0.158	0.138	0.00216	0.03219	0.01718
1,2,3,7,8,9-HxCDF	3A	40	40	169.5	169.49	169	ng/kg	120	1	2	1.15	1.150	0.600	0.238	0.41	0.5997	0.00140	0.006785	0.0035
1,2,3,7,8,9-HxCDF	3B	7	42	1.3	169.5	109.3	ng/kg	200	1	6	0.291	0.29	0.29	0.04	1.0650	0.2856	0.00039	0.035184	0.0109
1,2,3,7,8,9-HxCDF	4A	72	72	99.8	99.8	99.8	ng/kg	216	2	1	2.15	1.51	1.24E+00	5.65E-02	0.057	1.2388	0.00057	0.021535	0.01241
1,2,3,7,8,9-HxCDF	4B	72	72	99.84	99.84	100	ng/kg	288	0	4			6.29E-02	4.26E-02	0.095	0.0629	0.00043	0.000952	0.0006
1,2,3,7,8,9-HxCDF	I 1A	1	1	3.25	120.00	74	ng/kg	3	0	3			0.277	0.05	6.00E-01	2.77E-01	0.00051	0.055846	0.0205
1,2,3,7,8,9-HxCDF	I 1B	1	5	3.4	1090.00	393.14	ng/kg	7	3	0	3.54	0.23	1.42E+00			1.423	0.00046	0.0676	0.0364
1,2,3,7,8,9-HxCDF	I 2A	12	12	4.7	4.7	5	ng/kg	24	0	2			1.48E-01	1.44E-01	0.153	0.148	0.03033	0.03224	0.03128
1,2,3,7,8,9-HxCDF	I 2B	22	26	88.4	100.50	92.4	ng/kg	70	0	3			0.1907	0.157	0.2185	0.1907	0.00156	0.00247	0.002
1,2,3,7,8-PeCDD	1	3	17	1.2	31.98	18.3	ng/kg	201	17	1	0.448	0.08	0.265	0.09	8.65E-02	0.264983333	0.00516	0.2092	0.036
1,2,3,7,8-PeCDD	2A	7	40	1.88	17.35	13.5	ng/kg	127	4	0	1.45	0.623	1.043			1.043	0.04779	0.3317	0.134
1,2,3,7,8-PeCDD	2B	1	1	2.8	43.0	22.9	ng/kg	2	2	0	0.724	0.57	0.646			0.646	0.01321	0.2567	0.135
1,2,3,7,8-PeCDD	3A	40	40	17.3	17.35	17.3	ng/kg	120	3	0	2.43	0.693	1.62E+00			1.6177	0.03995	0.14010	0.0933
1,2,3,7,8-PeCDD	3B	7	42	1.9	17.3	11.8	ng/kg	200	0	7			0.20	0.03	0.73	0.20	0.00174	0.0418	0.017
1,2,3,7,8-PeCDD	4A	72	72	12.0	12.0	12.0	ng/kg	216	2	1	3.02	1.07	1.76E+00	1.2	1.200	1.7633	0.08884	0.25075	0.1464
1,2,3,7,8-PeCDD	4B	72	72	12.04	12.044	12.0	ng/kg	288	0	4			0.075	0.035	0.173	0.0753	0.00291	0.0143	0.006
1,2,3,7,8-PeCDD	I 1A	1	1	0.51	28.00	10.2	ng/kg	3	1	2	0.454	0.454	0.270	0.050	3.05E-01	0.269666667	0.01089	0.20636	0.105
1,2,3,7,8-PeCDD	I 1B	1	5	3.1	78.50	30.79	ng/kg	7	3	0	0.61	0.450	0.527			0.526666667	0.00777	0.1475	0.0678
1,2,3,7,8-PeCDD	I 2A	12	12	5.1	5.12	5.12	ng/kg	24	2	0	0.214	0.125	1.70E-01			0.170	0.02441	0.0418	0.033
1,2,3,7,8-PeCDD	I 2B	22	26	8.6	9.65	9	ng/kg	70	0	3			0.783	0.58	0.985	0.7833	0.05961	0.11396	0.0883
1,2,3,7,8-PeCDF	1	3	17	9.3	698.1	376	ng/kg	201	14	4	6.38	0.1	2.50	0.1	2.07E-01	2.50E+00	0.00317	0.0221	0.009
1,2,3,7,8-PeCDF	2A	7	40	10.38	374.04	283	ng/kg	127	4	0	24.9	5.49	16.20			16.1975	0.04144	0.5290	0.17
1,2,3,7,8-PeCDF	2B	1	1	5.7	700	353	ng/kg	2	2	0	8.44	7.6	8.00			7.995	0.01079	1.4704	0.7406
1,2,3,7,8-PeCDF	3A	40	40	374.0	374.04	374	ng/kg	120	3	0	27.4	6.33	19.41			1.94E+01	0.01692	0.07325	0.052
1,2,3,7,8-PeCDF	3B	7	42	9.8	374	241	ng/kg	200	7	0	9.2	1	4.55			4.552857143	0.00718	0.5491	0.114
1,2,3,7,8-PeCDF	4A	72	72	228.5	228	228	ng/kg	216	3	0	104	3.87	55.157			55.15666667	0.01694	0.45521	0.2414
1,2,3,7,8-PeCDF	4B	72	72	228.47	228.5	228	ng/kg	288	4	0	5.21	0.9	2.78			2.78E+00	0.00384	0.02280	0.012
1,2,3,7,8-PeCDF	I 1A	1	1	58.00	760.0	332	ng/kg	3	3	0	28	1.5	14.50			14.5	0.00847	0.24138	0.096
1,2,3,7,8-PeCDF	I 1B	1	5	94.0	1550.0	632.6	ng/kg	7	3	0	28	6.55	14.37			14.36666667	0.00552	0.1103	0.062
1,2,3,7,8-PeCDF	I 2A	12	12	25.6	26	26	ng/kg	24	2	0	2.73	2.3	2.5			2.515	0.08975	0.1065	0.098

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
1,2,3,7,8-PeCDF	I 2B	22	26	186.5	212.9	195.3	ng/kg	70	3	0	23.8	20.1	2.17E+01			22	0.09441	0.1	0.1
1,2-Dichlorobenzene	2A	64	64	16.8	16.8	16.8	ug/kg	64	0	1			1000	1000	1000	1000	59.67366	59.67	60
1,2-Dichlorobenzene	3B	64	65	51	51.0	50.6	ug/kg	259	0	4			750	500	1000	750	9.80092	19.8	14.8
1,2-Dichlorobenzene	4B	177	177	32.95	32.95	32.9	ug/kg	177	0	1			500	500	500	500	15.17490	15.2	15
1,2-Dichlorobenzene	I 1A	1	1	5.50	13.00	9.4	ug/kg	6	0	6			445.8333333	335	1000	446	25.76923	181.8	60.7
1,2-Dichlorobenzene	I 1B	1	2	8.3	16.0	13.5	ug/kg	8	0	5			468	335	1000	468	20.93750	71.4	35.9
1,2-Dichlorobenzene	I 2B	59	59	17.2	17.2	17.2	ug/kg	59	0	1			1000	1000	1000	1000	58.04230	58.0	58.0
1,3-Dichlorobenzene	2A	64	64	16.0	16.0	16.0	ug/kg	64	0	1			1000	1000	1000	1000	62.65296	62.7	63
1,3-Dichlorobenzene	3B	64	65	48	49.0	48.6	ug/kg	259	0	4			750	500	1000	750	10.20408	20.6	15.4
1,3-Dichlorobenzene	4B	177	177	31.67	31.67	31.67	ug/kg	177	0	1			500	500	500	500	15.78807	15.8	16
1,3-Dichlorobenzene	I 1A	1	1	5.00	9.00	6.9	ug/kg	6	0	6			445.8333333	335	1000	446	37.22222	181.8	71.1
1,3-Dichlorobenzene	I 1B	1	2	7.0	21.0	13.7	ug/kg	8	0	5			468	335	1000	468	19.70588	47.9	34.6
1,3-Dichlorobenzene	I 2B	59	59	16.5	16.5	16.5	ug/kg	59	0	1			1000	1000	1000	1000	60.66838	60.7	60.7
1,4-Dichlorobenzene	2A	64	64	16.3	16.3	16.3	ug/kg	64	0	1			1000	1000	1000	1000	61.18547	61.2	61
1,4-Dichlorobenzene	3B	64	65	48	48.9	48.6	ug/kg	259	0	4			750	500	1000	750	10.22528	20.6	15.5
1,4-Dichlorobenzene	4B	177	177	31.85	31.85	31.85	ug/kg	177	0	1			500	500	500	500	15.69845	15.7	16
1,4-Dichlorobenzene	I 1A	1	1	4.00	6.50	5.1	ug/kg	6	0	6			445.8333333	335	1000	446	51.53846	181.8	89.4
1,4-Dichlorobenzene	I 1B	1	2	6.8	17.3	13.0	ug/kg	8	0	5			468	335	1000	468	19.42029	87.0	40.3
1,4-Dichlorobenzene	I 2B	59	59	16.6	16.64	17	ug/kg	59	0	1			1000.0000	1000.000	1000.0000	1000.0000	60.08147	60.081466	60.0815
2,3,4,6,7,8-HxCDF	1	3	17	3.3	429.22	239	ng/kg	201	13	5	0.736	0.05	0.256	0.02	7.90E-02	2.56E-01	0.00045	0.02406	0.004
2,3,4,6,7,8-HxCDF	2A	7	40	6.79	231.5	175	ng/kg	127	4	0	2.47	0.787	1.982			1.982	0.00955	0.11586	0.0367
2,3,4,6,7,8-HxCDF	2B	1	1	12.4	180	96	ng/kg	2	1	1	0.734	0.73	0.507	0.28	2.79E-01	0.5065	0.00408	0.02250	0.01329
2,3,4,6,7,8-HxCDF	3A	40	40	231.5	231.47	231	ng/kg	120	3	0	2.06	0.590	1.537			1.5367	0.00255	0.008899	0.0066
2,3,4,6,7,8-HxCDF	3B	7	42	5.1	231	152	ng/kg	200	1	6	0.397	0.40	0.252	0.07	5.75E-01	2.52E-01	0.00050	0.02846	0.0084
2,3,4,6,7,8-HxCDF	4A	72	72	138.9	139	139	ng/kg	216	3	0	4.88	0.633	3.001			3.0010	0.00456	0.035139	0.02161
2,3,4,6,7,8-HxCDF	4B	72	72	138.88	138.9	139	ng/kg	288	2	2	0.243	0.18	0.121	0.02	3.84E-02	1.21E-01	0.00017	0.00175	0.0009
2,3,4,6,7,8-HxCDF	I 1A	1	1	15.00	220.0	125	ng/kg	3	3	0	2.7	0.30	1.413			1.41E+00	0.00213	0.082667	0.0324
2,3,4,6,7,8-HxCDF	I 1B	1	5	26.0	1670.0	611.8	ng/kg	7	3	0	4.96	0.92	2.45E+00			2.447	0.00087	0.0356	0.0240
2,3,4,6,7,8-HxCDF	I 2A	12	12	12.8	13	13	ng/kg	24	0	2			0.15	0.14	1.68E-01	0.15375	0.01094	0.0132	0.0121
2,3,4,6,7,8-HxCDF	I 2B	22	26	134.3	154.98	141	ng/kg	70	3	0	4.03	3.0	3.377			3.377	0.01910	0.03001	0.024
2,3,4,7,8-PeCDF	1	3	17	6.4	565.00	301	ng/kg	201	15	3	11.4	0.3	4.88	0.2	2.77E-01	4.882583333	0.00607	0.1166	0.029
2,3,4,7,8-PeCDF	2A	7	40	8.88	291.75	221	ng/kg	127	4	0	30	6.2	18.8			18.755	0.05690	0.7008	0.23
2,3,4,7,8-PeCDF	2B	1	1	8.8	410	209	ng/kg	2	2	0	15	14.7	14.9			14.85	0.03659	1.6724	0.854
2,3,4,7,8-PeCDF	3A	40	40	291.8	291.75	292	ng/kg	120	3	0	54.1	13.10	36.367			36.367	0.04490	0.18543	0.1247
2,3,4,7,8-PeCDF	3B	7	42	8.2	292	189	ng/kg	200	6	1	3.4	0.3	1.08	0.7	7.25E-01	1.08E+00	0.00249	0.0752	0.019
2,3,4,7,8-PeCDF	4A	72	72	176.8	177	177	ng/kg	216	3	0	52.1	2.430	27.843			27.8433	0.01375	0.294764	0.15753
2,3,4,7,8-PeCDF	4B	72	72	176.75	176.8	177	ng/kg	288	1	3	0.517	0.5	0.205	0.1	1.81E-01	2.05E-01	0.00030	0.00293	0.001
2,3,4,7,8-PeCDF	I 1A	1	1	36.00	520.0	232	ng/kg	3	3	0	21.8	0.91	12.90			12.90333333	0.00650	0.60556	0.2143
2,3,4,7,8-PeCDF	I 1B	1	5	57.0	1380.0	541.0	ng/kg	7	3	0	5.75	3.29	4.59			4.586666667	0.00342	0.058	0.031
2,3,4,7,8-PeCDF	I 2A	12	12	20.3	20	20	ng/kg	24	2	0	2.65	2.3	2.5			2.47	0.11306	0.131	0.122
2,3,4,7,8-PeCDF	I 2B	22	26	148.0	165.737	153.9	ng/kg	70	3	0	25.3	20.500	22.2333			22.2333	0.12610	0.17100	0.145
2,3,7,8-TCDD	1	3	17	0.4	11.542	6.85	ng/kg	201	14	4	0.343	0.090	0.174	0.022	7.15E-02	0.174233333	0.00767	0.2309	0.044
2,3,7,8-TCDD	2A	7	40	0.55	6.432	4.96	ng/kg	127	4	0	0.922	0.302	0.609			0.6085	0.07323	0.5475	0.22
2,3,7,8-TCDD	2B	1	1	0.2	10.00	5.09	ng/kg	2	2	0	0.487	0.43	0.459			0.4585	0.04300	2.5767	1.310
2,3,7,8-TCDD	3A	40	40	6.4	6.432	6.43	ng/kg	120	3	0	1.99	0.6260	1.2853			1.2853	0.09732	0.30939	0.1998
2,3,7,8-TCDD	3B	7	42	0.6	6.43	4.40	ng/kg	200	1	6	0.0946	0.09	0.122	0.01	4.41E-01	1.22E-01	0.00412	0.069	0.030
2,3,7,8-TCDD	4A	72	72	4.3	4.29	4.29	ng/kg	216	3	0	1.44	0.78	1.166666667			1.1667	0.18199	0.33599	0.2722
2,3,7,8-TCDD	4B	72	72	4.29	4.286	4.3	ng/kg	288	0	4			0.036	0.024	0.0520	0.0363	0.00562	0.0121	0.008
2,3,7,8-TCDD	I 1A	1	1	0.85	13.000	5.3	ng/kg	3	2	1	0.67	0.307	0.342	0.050	5.00E-02	0.342333333	0.02475	0.36118	0.146
2,3,7,8-TCDD	I 1B	1	5	0.9	33.20	12.90	ng/kg	7	3	0	0.17	0.15	1.60E-01			0.1600	0.00452	0.1778	0.0731
2,3,7,8-TCDD	I 2A	12	12	1.1	1.09	1.09	ng/kg	24	0	2			0.044	0.043	0.045	0.044	0.03909	0.0415	0.040
2,3,7,8-TCDD	I 2B	22	26	3.3	3.9	4	ng/kg	70	2	1	0.491	0.5	0.426	0.31	3.08E-01	0.425666667	0.07905	0.1480	0.124
2,3,7,8-TCDF	1	3	17	10.0	407.3	213	ng/kg	201	18	0	17.6	0.7	6.96			6.956111111	0.01257	0.1551	0.055
2,3,7,8-TCDF	2A	7	40	16.00	221.56	170	ng/kg	127	4	0	21	6.00	13.93			13.925	0.06048	0.37503	0.150
2,3,7,8-TCDF	2B	1	1	8.1	880	444	ng/kg	2	2	0	4	4	4.0			3.95	0.00443	0.491	0.248
2,3,7,8-TCDF	3A	40	40	221.6	221.6	222	ng/kg	120	3	0	118	31.10	83.367			83.37	0.14037	0.53259	0.376
2,3,7,8-TCDF	3B	7	42	10.6	222	142	ng/kg	200	6	1	4.28	0	2.2	1.2	1.18E+00	2.217714286	0.00449	0.165	0.04
2,3,7,8-TCDF	4A	72	72	143.1	143	143	ng/kg	216	3	0	158	14.70	88.533			88.53333333	0.10270	1.10387	0.6185
2,3,7,8-TCDF	4B	72	72	143.13	143.1	143	ng/kg	288	4	0	3.67	0.3	1.36			1.36E+00	0.00189	0.0256	0.010
2,3,7,8-TCDF	I 1A	1	1	53.00	210.0	123	ng/kg	3	3	0	46.2	3.28	30.83			30.82666667	0.03065	0.87170	0.3690

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
2,3,7,8-TCDF	I 1B	1	5	78.0	793.0	320.4	ng/kg	7	3	0	6.21	4.75	5.58			5.58E+00	0.00783	0.064	0.044
2,3,7,8-TCDF	I 2A	12	12	40.3	40.3	40	ng/kg	24	2	0	5.53	5.2	5.3			5.34	0.12790	0.137	0.133
2,3,7,8-TCDF	I 2B	22	26	93.8	107	98	ng/kg	70	3	0	69.7	57.9	62.4			62.4	0.54123	0.74313	0.640
2-Methylnaphthalene	1	11	49	376.8	6985	1282	ug/kg	1778	0	77			1.06E+02	20	500	106.0	0.00573	0.5308	0.15
2-Methylnaphthalene	2A	31	121	549.89	1624	1058	ug/kg	1184	0	17			123.5294118	20	1000.0	123.5	0.01232	1.81854	0.178
2-Methylnaphthalene	2B	2	3	210	4117	1031	ug/kg	14	0	5			60.0	40.0	80.0	60.0	0.00972	0.2892	0.204
2-Methylnaphthalene	3A	31	121	640.5	1550	1376	ug/kg	1579	6	9	100	26.0	43.9	25.0	25	43.9	0.01613	0.1342	0.04
2-Methylnaphthalene	3B	31	121	640	1599	984	ug/kg	1361	2	19	26	25	1.63E+02	25	1000.0	163.1	0.01613	0.6274	0.1162
2-Methylnaphthalene	4A	249	249	1054	1054	1054	ug/kg	2988	0	12			2.50E+01	2.50E+01	25	25.0	0.02373	0.0237	0.02
2-Methylnaphthalene	4B	249	249	1053.50	1053.5	1054	ug/kg	5229	0	21			47.143	20.000	500	47.1	0.01898	0.47461	0.0
2-Methylnaphthalene	I 1A	1	1	90.00	485.0	253	ug/kg	9	5	4	1.2	0.72	144.977	100.00	1000	145	0.00171	11.11111	1.58
2-Methylnaphthalene	I 1B	1	3	86.3	550	395	ug/kg	10	4	1	4	0.57	202.094	1000	1000	202.1	0.00114	2.0942	0.429
2-Methylnaphthalene	I 2A	46	46	555.4	555	555	ug/kg	552	0	12			6.67E+01	20	200	66.7	0.03601	0.3601	0.12
2-Methylnaphthalene	I 2B	64	105	573.5	1762.65	885.0	ug/kg	621	0	8			1.43E+02	20	1000.00	142.50	0.01135	1.744	0.24
4,4'-DDD	1	11	35	3.7	31.96	14.9	ug/kg	1624	0	78			5	5	5.00	5.00	0.15642	1.358	0.67
4,4'-DDD	2A	31	88	4.31	20.65	11.3	ug/kg	995	0	18			4.888888889	3	5.00	4.89	0.20583	1.161	0.733
4,4'-DDD	2B	2	3	5.5	35.50	13.7	ug/kg	17	0	6			5	5	5.0	5.00	0.14085	0.909	0.59
4,4'-DDD	3A	31	88	4.3	20.65	18.2	ug/kg	1248	0	16			8.21875	5	21.0	8.22	0.24214	1.161	0.52
4,4'-DDD	3B	31	88	4	20.6	11.2	ug/kg	1121	0	22			4.6	3.0	5.00	4.64	0.14662	1.161	0.70
4,4'-DDD	4A	208	208	12	11.8	11.8	ug/kg	2496	1	11	12	12.00	5.88	5.00	8.5	5.88	0.42551	1.021	0.500
4,4'-DDD	4B	208	208	11.75	11.75	11.8	ug/kg	4368	0	21			4.904761905	3	5.00	4.90	0.25530	0.426	0.42
4,4'-DDD	I 1A	1	1	1.30	15.00	7.9	ug/kg	9	0	9			3.39	2.50	5.00	3.39	0.31250	1.9231	0.725
4,4'-DDD	I 1B	1	3	5.5	26.03	13.10	ug/kg	10	1	4	2	2	2.40E+00	2.5	2.5	2.40	0.09603	0.455	0.24
4,4'-DDD	I 2A	45	45	6.3	6.3	6.3	ug/kg	585	0	13			15.4	5.0	50.00	15.38	0.79393	7.939	2.44
4,4'-DDD	I 2B	43	87	14.5	19.92	15.8	ug/kg	458	3	5	29	16	11.75	3	5.00	11.75	0.17597	1.932	0.75
4,4'-DDE	1	11	35	2.9	30.86	13.8	ug/kg	1624	0	78			5.00	5.00	5.00	5.00	0.16204	1.700	0.81
4,4'-DDE	2A	31	88	3.49	19.92	10.6	ug/kg	996	1	17	2.4	2.4	4.9	5.0	5.00	4.86	0.16974	1.432	0.85
4,4'-DDE	2B	2	3	4.7	19.45	10.4	ug/kg	17	3	3	13	11.0	8.5	5.0	5.00	8.50	0.34682	2.760	1.24
4,4'-DDE	3A	31	88	3.5	19.92	17.4	ug/kg	1248	11	5	57	13.00	20.31	5.00	5.0	20.31	0.25105	8.876	1.67
4,4'-DDE	3B	31	88	3	19.9	10.4	ug/kg	1121	0	22			4.6	3.0	5.00	4.64	0.15335	1.432	0.82
4,4'-DDE	4A	209	209	11	11.1	11.1	ug/kg	2508	9	3	30	12.0	18.3	5.0	5.0	18.25	0.45044	2.703	1.64
4,4'-DDE	4B	209	209	11.10	11.10	11.1	ug/kg	4389	2	19	17	11.00	5.76	3.00	5.00	5.76	0.27026	1.531	0.52
4,4'-DDE	I 1A	1	1	1.10	15.00	9.0	ug/kg	9	5	4	3.7	1.00	3.16	3.00	5.00	3.16	0.10000	2.727	0.809
4,4'-DDE	I 1B	1	3	3.6	20.87	10.69	ug/kg	10	1	4	3.8	3.8	2.76	2.5	2.5	2.76	0.11981	0.694	0.39
4,4'-DDE	I 2A	46	46	5.9	5.9	5.9	ug/kg	598	0	13			15.38	5.00	50.00	15.38	0.85116	8.512	2.619
4,4'-DDE	I 2B	43	87	13.2	18.67	14.7	ug/kg	459	1	7	2.1	2.1	4.6	5.0	5.00	4.64	0.12789	0.378	0.3
4,4'-DDT	1	11	35	3.7	30.52	9.3	ug/kg	1612	1	77	81	81	5.974358974	5	5.00	5.97	0.16381	21.512	1.02
4,4'-DDT	2A	31	88	4.31	12.73	7.9	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.36718	1.161	0.797
4,4'-DDT	2B	2	3	5.5	23.25	11.4	ug/kg	17	0	6			5	5	5.0	5.00	0.21505	0.909	0.61
4,4'-DDT	3A	31	88	4.3	12.73	11.5	ug/kg	1248	0	16			8.22	5.00	21.0	8.22	0.39279	1.650	0.75
4,4'-DDT	3B	31	88	4	12.73	8.00	ug/kg	1117	0	22			4.6	3	5.00	4.64	0.23918	1.161	0.8
4,4'-DDT	4A	207	207	9	8.75	8.75	ug/kg	2484	2	10	180	83.0	26.38	5.0	8.5	26.38	0.57124	20.565	3.01
4,4'-DDT	4B	207	207	8.75	8.75	8.8	ug/kg	4347	2	19	66	1.4	7.733333333	5	5.00	7.73	0.15995	7.540	0.88
4,4'-DDT	I 1A	1	1	1.85	15.00	7.2	ug/kg	9	0	9			3.388888889	2.5	5.00	3.39	0.33333	1.622	0.736
4,4'-DDT	I 1B	1	3	5.0	13.80	7.54	ug/kg	10	0	5			2.6	2.5	3.0	2.60	0.21739	0.500	0.39
4,4'-DDT	I 2A	45	45	6.6	6.59	6.6	ug/kg	585	0	13			15.4	5.0	50.00	15.38	0.75873	7.587	2.33
4,4'-DDT	I 2B	43	86	8.8	14	11	ug/kg	456	3	5	43	36	17.625	3	5	17.6	0.33958	3.58487	1.551
Acenaphthene	1	11	49	360.6	7065	1301	ug/kg	1714	0	77			1.06E+02	20	500	106.0	0.00566	0.5547	0.15
Acenaphthene	2A	31	118	566.21	1681	1076	ug/kg	1160	0	17			1.24E+02	20	1000.0	123.5	0.01190	1.7661	0.175
Acenaphthene	2B	1	4	275	3140	865	ug/kg	14	0	5			6.00E+01	40	80.0	60.0	0.01274	0.2906	0.1812
Acenaphthene	3A	31	118	638.6	1599	1414	ug/kg	1544	0	15			2.50E+01	2.50E+01	25	25.0	0.01564	0.0391	0.02
Acenaphthene	3B	31	118	639	1654	997	ug/kg	1343	0	21			163.1	25.0	1000.0	163.1	0.01564	0.6064	0.1133
Acenaphthene	4A	245	245	1078	1078	1078	ug/kg	2940	1	11	26	26	2.51E+01	2.50E+01	25	25.1	0.02319	0.0241	0.02
Acenaphthene	4B	245	245	1078.06	1078.1	1078	ug/kg	5145	0	21			47.143	20.000	500	47.1	0.01855	0.463795	0.0
Acenaphthene	I 1A	1	1	90.00	1460	707	ug/kg	9	2	7	0.46	0.320	256.198	100.000	1000	256	0.00095	11.11111	1.57
Acenaphthene	I 1B	1	3	178.3	550	414	ug/kg	10	1	4	0.71	0.71	4.01E+02	335	1000	401.1	0.00398	2.0942	0.860
Acenaphthene	I 2A	45	45	577.5	577	577	ug/kg	540	0	12			6.67E+01	20	200	66.7	0.03463	0.3463	0.12
Acenaphthene	I 2B	64	102	593.8	1785	905	ug/kg	614	0	8			1.43E+02	20	1000	142.5	0.01121	1.68406	0.233
Acenaphthylene	1	12	54	361.0	6657	1173	ug/kg	1960	0	77			1.06E+02	20	500	106.0	0.00601	0.5540	0.16
Acenaphthylene	2A	32	129	533.67	1538	1013	ug/kg	1253	0	17			123.5294118	20	1000.0	123.5	0.01300	1.8738	0.184

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Acenaphthylene	2B	2	4	200	3117	885	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01283	0.3002	0.1707
Acenaphthylene	3A	32	129	624.7	1472	1308	ug/kg	1681	0	15			2.50E+01	2.50E+01	25	25.0	0.01699	0.0400	0.02
Acenaphthylene	3B	32	129	625	1516	939	ug/kg	1442	0	21			1.63E+02	25	1000.0	163.1	0.01699	0.6617	0.1222
Acenaphthylene	4A	259	259	1022	1022	1022	ug/kg	3108	0	12			2.50E+01	2.50E+01	25	25.0	0.02446	0.0245	0.02
Acenaphthylene	4B	259	259	1021.94	1021.9	1022	ug/kg	5439	0	21			47.143	20.00	500	47.1	0.01957	0.48927	0.0
Acenaphthylene	I 1A	1	1	90.00	549	404	ug/kg	9	5	4	2.1	0.610	145.062	100.000	1000	145	0.00145	11.111111	1.30
Acenaphthylene	I 1B	1	3	178.3	550	414	ug/kg	10	3	2	0.84	0.51	2.67E+02	335	1000	267.4	0.00093	2.0942	0.554
Acenaphthylene	I 2A	46	46	550.0	550	550	ug/kg	552	0	12			6.67E+01	20	200	66.7	0.03637	0.3637	0.12
Acenaphthylene	I 2B	67	113	547.4	1697.67	852.9	ug/kg	657	0	8			1.43E+02	20	1000.00	142.50	0.01178	1.827	0.25
Aldrin	1	11	35	2.2	33.70	13.0	ug/kg	1624	0	78			5.00	5.00	5.00	5.00	0.14835	2.289	1.04
Aldrin	2A	31	88	2.51	21.18	10.2	ug/kg	995	1	17	3.6	3.6	4.922222222	5	5.00	4.92	0.23608	1.990	1.21
Aldrin	2B	2	3	4.3	14.50	8.4	ug/kg	17	0	6			5.0	5.0	5.00	5.00	0.34483	1.163	0.78
Aldrin	3A	31	88	2.5	22.76	18.9	ug/kg	1248	7	9	24	11.0	9.25	5.00	5.0	9.25	0.21964	1.990	0.65
Aldrin	3B	31	88	3	22.8	12.1	ug/kg	1121	2	20	11	2.3	4.9	3.0	5.00	4.88	0.11099	1.990	1.09
Aldrin	4A	208	208	11	10.8	10.8	ug/kg	2496	9	3	59	14.00	27.25	5.00	5.0	27.25	0.46423	5.478	2.53
Aldrin	4B	208	208	10.77	10.770	10.8	ug/kg	4368	0	21			4.904761905	3	5.00	4.90	0.27854	0.4642	0.46
Aldrin	I 1A	1	1	0.95	15.00	9	ug/kg	9	0	9			2.69E+00	1.25	5.00	2.69	0.08333	3.15789	0.820
Aldrin	I 1B	1	3	2.7	129.82	33.28	ug/kg	10	0	5			1.60E+00	1.25	3.0	1.60	0.00963	0.46	0.2
Aldrin	I 2A	45	45	4.0	4.0	4.0	ug/kg	585	0	13			15.38	5.00	50.00	15.38	1.23511	12.351	3.800
Aldrin	I 2B	43	87	13.5	23.35	20.6	ug/kg	458	3	5	10	10	6.625	3	5.00	6.63	0.21415	0.502	0.32
alpha-Chlordane	1	11	35	1.9	28.06	11.1	ug/kg	1612	0	78			5.00	5.00	5.00	5.00	0.17817	2.692	1.17
alpha-Chlordane	2A	31	88	2.40	15.14	7.8	ug/kg	993	1	17	2.3	2.3	4.9	5.0	5.00	4.85	0.19813	2.083	1.29
alpha-Chlordane	2B	2	3	4.3	23.24	9.7	ug/kg	17	1	5	14	14.0	6.5	5.0	5.0	6.50	0.21515	3.256	1.12
alpha-Chlordane	3A	31	88	2.4	15.05	13.0	ug/kg	1248	2	14	18	12.00	7.28	5.00	10.50	7.28	0.33222	2.083	0.72
alpha-Chlordane	3B	31	88	2	15.05	7.38	ug/kg	1117	2	20	4.7	3.4	4.7	3.0	5.00	4.73	0.20008	2.083	1.23
alpha-Chlordane	4A	208	208	8	8.19	8.19	ug/kg	2496	7	5	46	14.0	20.92	5.0	5.0	20.92	0.61023	5.614	2.55
alpha-Chlordane	4B	208	208	8.19	8.194	8.2	ug/kg	4368	1	20	3.8	3.80	4.94	5.00	5.00	4.94	0.46377	0.610	0.6
alpha-Chlordane	I 1A	1	1	0.17	15.00	6.60	ug/kg	9	2	7	1.6	1.3	2.738888889	1.25	5.00	2.74	0.25510	17.647	2.483
alpha-Chlordane	I 1B	1	3	1.6	7.76	4.51	ug/kg	10	0	5			1.6	1.25	3.0	1.60	0.16115	0.78	0.4
alpha-Chlordane	I 2A	46	46	4.1	4.10	4.1	ug/kg	598	0	13			15.38	5.00	50.00	15.38	1.22016	12.202	3.754
alpha-Chlordane	I 2B	43	86	8.9	14	10	ug/kg	457	1	7	1.9	1.9	4.6125	5	5	4.6	0.14088	0.56088	0.465
Anthracene	1	12	52	346.8	6708	1222	ug/kg	1847	0	77			1.06E+02	20	500	106.0	0.00596	0.5768	0.16
Anthracene	2A	32	124	541.15	1591	1030	ug/kg	1215	0	17			1.24E+02	20	1000.0	123.5	0.01257	1.8479	0.182
Anthracene	2B	2	4	195	3211	867	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01246	0.3071	0.1928
Anthracene	3A	32	124	620.4	1518	1345	ug/kg	1620	0	15			2.50E+01	2.50E+01	25	25.0	0.01646	0.0403	0.02
Anthracene	3B	32	124	620	1567	953	ug/kg	1404	0	21			1.63E+02	25	1000.0	163.1	0.01646	0.6402	0.1191
Anthracene	4A	254	254	1041	1041	1041	ug/kg	3048	0	12			2.50E+01	2.50E+01	25	25.0	0.02401	0.0240	0.02
Anthracene	4B	254	254	1041.24	1041.2	1041	ug/kg	5334	0	21			47.143	20.000	500	47.1	0.01921	0.48020	0.0
Anthracene	I 1A	1	1	90.00	1320	661	ug/kg	9	5	4	1.7	0.47	144.982	100.000	1000	145	0.00112	11.11111	1.26
Anthracene	I 1B	1	3	178.3	550	414	ug/kg	10	3	2	1	0.55	267.458	335	1000	267.5	0.00100	2.0942	0.555
Anthracene	I 2A	46	46	577.1	577	577	ug/kg	552	0	12			6.67E+01	20	200	66.7	0.03466	0.3466	0.12
Anthracene	I 2B	66	108	560.8	1730.1	866	ug/kg	637	0	8			1.43E+02	20	1000.0	142.50	0.01156	1.7832	0.247
Aroclor-1016	1	11	35	29.9	215.0	61.0	ug/kg	1469	0	72			6.88E+00	5	25.0	6.88	0.02326	0.7368	0.161
Aroclor-1016	2A	32	88	36.61	87.0	59	ug/kg	1003	0	18			7.50E+00	5	50.00	7.50	0.05748	0.8218	0.138
Aroclor-1016	2B	2	3	28.0	178.5	69.3	ug/kg	17	0	6			5.00E+00	5	5.0	5.00	0.02801	0.1786	0.116
Aroclor-1016	3A	32	88	36.6	86.0	78.9	ug/kg	1251	0	16			1.90E+01	5	85	19.00	0.05817	0.9889	0.23
Aroclor-1016	3B	32	88	37	86.9	58.8	ug/kg	1091	0	21			1.36E+01	5	50.0	13.57	0.05817	0.5776	0.20
Aroclor-1016	4A	209	209	62	62.0	62.0	ug/kg	2299	0	11			1.23E+01	5	85	12.27	0.08065	1.3710	0.20
Aroclor-1016	4B	209	209	62.00	62.0	62.0	ug/kg	4389	0	21			7.14E+00	5	50.0	7.14	0.08065	0.806	0.12
Aroclor-1016	I 1A	1	1	15.00	45.5	27	ug/kg	9	0	9			21.11111111	5	50.0	21.1	0.33333	2.703	0.856
Aroclor-1016	I 1B	1	3	26.0	138.0	60.1	ug/kg	10	0	5			30	25	50.0	30.00	0.36232	0.962	0.61
Aroclor-1016	I 2A	45	45	48.9	48.9	48.9	ug/kg	585	0	13			15.38461538	5	50.0	15.38	0.10227	1.0227	0.315
Aroclor-1016	I 2B	43	86	64.6	94.2	74	ug/kg	456	0	8			1.06E+01	5	50.0	10.63	0.05308	0.7736	0.155
Aroclor-1221	1	11	35	59.8	421.1	119	ug/kg	1469	0	72			6.88E+00	5	25.0	6.88	0.01187	0.3644	0.081
Aroclor-1221	2A	32	88	74.08	170.2	117	ug/kg	1003	0	18			7.50E+00	5	50.00	7.50	0.02937	0.4162	0.0691
Aroclor-1221	2B	2	3	54.7	356.0	136	ug/kg	17	0	6			5.00E+00	5.00E+00	5.0	5.00	0.01404	0.0915	0.059
Aroclor-1221	3A	32	88	74.1	168.2	155	ug/kg	1251	0	16			19	5	85	19.00	0.02973	0.5055	0.118
Aroclor-1221	3B	32	88	74	171	117	ug/kg	1091	0	21			13.57142857	5	50.0	13.57	0.02973	0.2951	0.099
Aroclor-1221	4A	209	209	123	123	123	ug/kg	2299	0	11			1.23E+01	5	85	12.27	0.04071	0.6921	0.100
Aroclor-1221	4B	209	209	122.81	122.8	122.8	ug/kg	4389	0	21			7.14E+00	5	50.0	7.14	0.04071	0.407	0.06

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Aroclor-1221	I 1A	1	1	15.00	95.0	50	ug/kg	9	0	9			21.11111111	5	50.0	21.1	0.26316	1.351	0.478
Aroclor-1221	I 1B	1	3	46.8	277.5	119.3	ug/kg	10	0	5			30	25	50.0	30.00	0.18018	0.5338	0.318
Aroclor-1221	I 2A	45	45	98.0	98	98	ug/kg	585	0	13			15.38461538	5	50.0	15.38	0.05104	0.5104	0.157
Aroclor-1221	I 2B	43	86	127.3	186.0	147	ug/kg	456	0	8			1.06E+01	5	50.0	10.63	0.02688	0.3929	0.079
Aroclor-1232	1	11	35	29.9	215.0	61.0	ug/kg	1469	0	72			6.88E+00	5	25.0	6.88	0.02326	0.7368	0.161
Aroclor-1232	2A	32	88	36.61	87.0	59	ug/kg	1003	0	18			7.50E+00	5	50.00	7.50	0.05748	0.8218	0.138
Aroclor-1232	2B	2	3	28.0	178.5	69.3	ug/kg	17	0	6			5.00E+00	5	5.0	5.00	0.02801	0.1786	0.116
Aroclor-1232	3A	32	88	36.6	86.0	78.9	ug/kg	1251	0	16			1.90E+01	5	85	19.00	0.05817	0.9889	0.23
Aroclor-1232	3B	32	88	37	86.9	58.8	ug/kg	1091	0	21			1.36E+01	5	50.0	13.57	0.05817	0.5776	0.20
Aroclor-1232	4A	209	209	62	62.0	62.0	ug/kg	2299	0	11			1.23E+01	5	85	12.27	0.08065	1.3710	0.20
Aroclor-1232	4B	209	209	62.00	62.0	62.0	ug/kg	4389	0	21			7.14E+00	5	50.0	7.14	0.08065	0.806	0.12
Aroclor-1232	I 1A	1	1	15.00	45.5	27	ug/kg	9	0	9			21.11111111	5	50.0	21.1	0.33333	2.703	0.856
Aroclor-1232	I 1B	1	3	26.0	138.0	60.1	ug/kg	10	0	5			30	25	50.0	30.00	0.36232	0.962	0.61
Aroclor-1232	I 2A	45	45	48.9	48.9	48.9	ug/kg	585	0	13			15.38461538	5	50.0	15.38	0.10227	1.0227	0.315
Aroclor-1232	I 2B	43	86	64.6	94.2	74	ug/kg	456	0	8			1.06E+01	5	50.0	10.63	0.05308	0.7736	0.155
Aroclor-1242	1	11	35	29.9	215.0	61.0	ug/kg	1469	0	72			6.88E+00	5	25.0	6.88	0.02326	0.7368	0.161
Aroclor-1242	2A	32	88	36.61	87.0	59	ug/kg	1003	0	18			7.50E+00	5	50.00	7.50	0.05748	0.8218	0.138
Aroclor-1242	2B	2	3	28.0	178.5	69.3	ug/kg	17	0	6			5.00E+00	5	5.0	5.00	0.02801	0.1786	0.116
Aroclor-1242	3A	32	88	36.6	86.0	78.9	ug/kg	1251	0	16			1.90E+01	5	85	19.00	0.05817	0.9889	0.23
Aroclor-1242	3B	32	88	37	86.9	58.8	ug/kg	1091	0	21			1.36E+01	5	50.0	13.57	0.05817	0.5776	0.20
Aroclor-1242	4A	209	209	62	62.0	62.0	ug/kg	2299	0	11			1.23E+01	5	85	12.27	0.08065	1.3710	0.20
Aroclor-1242	4B	209	209	62.00	62.0	62.0	ug/kg	4389	0	21			7.1	5.0	50.0	7.14	0.08065	0.806	0.12
Aroclor-1242	I 1A	1	1	15.00	45.5	27	ug/kg	9	1	8	13	13	19.77777778	5	50.0	19.8	0.28571	2.703	0.826
Aroclor-1242	I 1B	1	3	26.0	138.0	60.1	ug/kg	10	0	5			30	25	50.0	30.00	0.36232	0.962	0.61
Aroclor-1242	I 2A	45	45	48.9	48.9	48.9	ug/kg	585	0	13			15.38461538	5	50.0	15.38	0.10227	1.0227	0.315
Aroclor-1242	I 2B	43	86	64.6	94.2	74	ug/kg	456	0	8			1.06E+01	5	50.0	10.63	0.05308	0.7736	0.155
Aroclor-1248	1	11	35	29.9	215.0	61.0	ug/kg	1469	0	72			6.88E+00	5	25.0	6.88	0.02326	0.7368	0.161
Aroclor-1248	2A	32	88	36.61	87.0	59	ug/kg	1003	0	18			7.50E+00	5	50.00	7.50	0.05748	0.8218	0.138
Aroclor-1248	2B	2	3	28.0	178.5	69.3	ug/kg	17	0	6			5.00E+00	5	5.0	5.00	0.02801	0.1786	0.116
Aroclor-1248	3A	32	88	36.6	86.0	78.9	ug/kg	1251	0	16			1.90E+01	5	85	19.00	0.05817	0.9889	0.23
Aroclor-1248	3B	32	88	37	86.9	58.8	ug/kg	1091	0	21			1.36E+01	5	50.0	13.57	0.05817	0.5776	0.20
Aroclor-1248	4A	209	209	62	62.0	62.0	ug/kg	2299	0	11			1.23E+01	5	85	12.27	0.08065	1.3710	0.20
Aroclor-1248	4B	209	209	62.00	62.0	62.0	ug/kg	4389	0	21			7.14E+00	5	50.0	7.14	0.08065	0.806	0.12
Aroclor-1248	I 1A	1	1	15.00	45.5	27	ug/kg	9	0	9			21.11111111	5	50.0	21.1	0.33333	2.703	0.856
Aroclor-1248	I 1B	1	3	26.0	138.0	60.1	ug/kg	10	0	5			30	25	50.0	30.00	0.36232	0.962	0.61
Aroclor-1248	I 2A	45	45	48.9	48.9	48.9	ug/kg	585	0	13			15.38461538	5	50.0	15.38	0.10227	1.0227	0.315
Aroclor-1248	I 2B	43	86	64.6	94.2	74	ug/kg	456	0	8			10.6	5	50.00	10.63	0.05308	0.7736	0.16
Aroclor-1254	1	11	35	73.5	2778.1	805	ug/kg	1652	68	10	820	12.0	128.0	5.0	5.0	127.97	0.01861	2.03666	0.443
Aroclor-1254	2A	33	88	99.30	1333.7	785	ug/kg	1017	10	8	80	44	39.2	5	5.00E+01	39.16666667	0.00375	0.655	0.15
Aroclor-1254	2B	2	3	76.7	183.3	147	ug/kg	17	6	0	180	42	111.8			111.8333333	0.43091	1.174	0.8
Aroclor-1254	3A	33	88	85.3	1333.7	250	ug/kg	1253	16	0	2800	95	622.2			622.19	0.15516	28.19706	5.97
Aroclor-1254	3B	33	88	85	1334	678	ug/kg	1236	17	6	310	20	88	5	50.00	88.35	0.00388	3.6334	0.69
Aroclor-1254	4A	212	212	302	302	302	ug/kg	2332	10	1	2300	440	1100.5	5	5	1100.45	0.01653	7.6038	3.64
Aroclor-1254	4B	212	212	302.48	302.5	302	ug/kg	4452	16	5	530	12.0	80.8	5.0	50.0	80.76	0.01653	1.7522	0.27
Aroclor-1254	I 1A	1	1	13.00	200.0	58	ug/kg	9	6	3	74	17.0	32.6	5.0	50.0	32.6	0.08500	5.692	1.923
Aroclor-1254	I 1B	1	3	47.0	209	110	ug/kg	10	4	1	34	19.0	33.2	50.0	50.0	33.20	0.14833	0.6800	0.380
Aroclor-1254	I 2A	47	47	213.3	213.3	213	ug/kg	611	10	3	82	20	33.2	5	50.0	33.2	0.02344	0.384	0.16
Aroclor-1254	I 2B	43	87	85.8	110.9	97	ug/kg	459	7	1	330	13.0	144.9	50.0	50.0	144.88	0.11984	3.8482	1.60
Aroclor-1260	1	11	35	32.5	215.0	65.8	ug/kg	1601	29	48	90	12	1.72E+01	5	25.0	17.23	0.02326	1.3974	0.289
Aroclor-1260	2A	32	88	39.65	88.6	62	ug/kg	1003	0	18			7.5	5.0	5.00E+01	7.5	0.05641	0.822	0.13
Aroclor-1260	2B	2	3	28.0	178.5	69.3	ug/kg	17	6	0	110	23	63.7			63.66666667	0.30000	3.000	1.4
Aroclor-1260	3A	32	88	39.7	87.5	80.9	ug/kg	1251	16	0	1100	73	278.5			278.50	0.93672	12.5657	3.39
Aroclor-1260	3B	32	88	40	88.6	63.3	ug/kg	1221	18	5	190	22	61	5	5.00E+01	60.73913043	0.05712	3.53	1.1
Aroclor-1260	4A	209	209	64	63.6	63.6	ug/kg	2299	11	0	2000	240	820.0			820.00	3.77398	31.4499	12.89
Aroclor-1260	4B	209	209	63.59	63.6	63.6	ug/kg	4389	13	8	380	11.0	44.0	5.0	50.0	44.05	0.07862	5.975	0.69
Aroclor-1260	I 1A	1	1	15.00	67.0	32	ug/kg	9	3	6	31	14.0	20.6	5.0	50.0	20.6	0.30769	1.442	0.643
Aroclor-1260	I 1B	1	3	31.5	138.0	63.3	ug/kg	10	4	1	35	18	31.8	50	50.0	31.80	0.32727	0.8063	0.579
Aroclor-1260	I 2A	45	45	51.0	51.0	51.0	ug/kg	585	0	13			1.54E+01	5	50.0	15.38	0.09812	0.9812	0.302
Aroclor-1260	I 2B	43	86	64.6	96.28	76.56	ug/kg	456	0	8			10.6250	5.000	50.0000	10.6250	0.05193	0.77357	0.153
Arsenic	1	10	43	2.6	4.72	3.44	mg/kg	1622	77	1	0.91	0.080	0.209	0.030	0.030	0.209	0.00885	0.2686	0.061

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Arsenic	2A	30	111	3.27	3.63	3.49	mg/kg	1239	17	2	0.64	0.280	0.433	0.375	3.75E-01	0.4325	0.08564	0.1763	0.1241
Arsenic	2B	1	3	2.5	5.37	3.81	mg/kg	13	6	0	0.48	0.200	0.310			0.31	0.05776	0.0969	0.083
Arsenic	3A	30	111	3.2	3.63	3.56	mg/kg	1565	16	0	0.83	0.28	0.551			0.551	0.08564	0.2286	0.15
Arsenic	3B	30	111	3	3.67	3.44	mg/kg	1766	24	3	0.69	0.130	0.356	0.325	1.70E+00	0.355740741	0.03835	1.1084	0.146
Arsenic	4A	235	235	4	3.56	3.56	mg/kg	2820	12	0	0.46	0.18	0.328			0.3275	0.05059	0.12928	0.092
Arsenic	4B	235	235	3.56	3.56	3.56	mg/kg	10575	43	2	0.84	0.110	0.265	0.005	0.380	0.265	0.00323	0.5430	0.126
Arsenic	I 1A	1	1	2.20	5.00	3.61	mg/kg	9	3	6	0.61	0.27	0.452	0.415	0.490	0.452	0.05400	0.216	0.143
Arsenic	I 1B	1	3	2.8	5.30	4.00	mg/kg	10	4	1	1	0.800	0.780	0.400	0.400	0.780	0.10959	0.2859	0.201
Arsenic	I 2A	44	44	3.4	3.37	3.37	mg/kg	572	11	2	0.42	0.260	0.349	0.185	0.185	0.349	0.05496	0.1248	0.104
Arsenic	I 2B	61	95	3.2	4	3	mg/kg	583	7	1	0.48	0.25	3.43E-01	0.31	0	0.3	0.06650	0.15000	0.103
Benzo(a)anthracene	1	12	53	317.5	6962	1196	ug/kg	1888	0	74			1.08E+02	20	500	107.8	0.00575	0.5918	0.17
Benzo(a)anthracene	2A	32	129	540.85	1584	996	ug/kg	1091	0	15			1.29E+02	20	1000.0	129.3	0.01262	1.8489	0.199
Benzo(a)anthracene	2B	2	4	102	2453	689	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01631	0.5911	0.2562
Benzo(a)anthracene	3A	32	129	598.9	1513	1335	ug/kg	1682	0	15			2.50E+01	2.50E+01	25	25.0	0.01653	0.0417	0.02
Benzo(a)anthracene	3B	32	129	599	1558	931	ug/kg	1445	0	21			1.63E+02	25	1000.0	163.1	0.01653	0.6439	0.1209
Benzo(a)anthracene	4A	260	260	1042	1042	1042	ug/kg	3120	0	12			2.50E+01	2.50E+01	25	25.0	0.02399	0.0240	0.02
Benzo(a)anthracene	4B	260	260	1042.14	1042.1	1042	ug/kg	4940	0	19			49.47	20.00	500	49.5	0.01919	0.47978	0.0
Benzo(a)anthracene	I 1A	1	1	90.00	4850	1837	ug/kg	9	5	4	3.3	1.50	145.689	100.00	1000	146	0.00357	11.11111	1.25
Benzo(a)anthracene	I 1B	1	3	145.0	550	407	ug/kg	10	4	1	4.4	0.68	202.196	1000	1000	202.2	0.00136	2.0942	0.426
Benzo(a)anthracene	I 2A	47	47	589.3	589	589	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03394	0.3394	0.11
Benzo(a)anthracene	I 2B	68	112	544.6	1755	869	ug/kg	657	0	8			1.43E+02	20	1000	142.5	0.01139	1.83630	0.253
Benzo(a)pyrene	1	12	53	292.6	7030	1282	ug/kg	1557	0	54			1.05E+02	20	400	105.2	0.00569	0.6834	0.17
Benzo(a)pyrene	2A	32	130	537.94	1586	992	ug/kg	1098	0	15			1.29E+02	20	1000.0	129.3	0.01261	1.8589	0.200
Benzo(a)pyrene	2B	2	4	268	3320	894	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01205	0.2722	0.1834
Benzo(a)pyrene	3A	32	130	590.4	1514	1322	ug/kg	1564	0	14			2.50E+01	2.50E+01	25	25.0	0.01651	0.0423	0.02
Benzo(a)pyrene	3B	32	130	590	1561	926	ug/kg	1452	0	21			1.63E+02	25	1000.0	163.1	0.01651	0.6426	0.1210
Benzo(a)pyrene	4A	261	261	1040	1040	1040	ug/kg	2610	0	10			2.50E+01	2.50E+01	25	25.0	0.02404	0.0240	0.02
Benzo(a)pyrene	4B	261	261	1039.87	1039.9	1040	ug/kg	4959	0	19			49.47	20.00	500	49	0.01923	0.48083	0.0
Benzo(a)pyrene	I 1A	1	1	90.00	485	331	ug/kg	6	5	1	2.2	1.60	168.267	1000.00	1000	168	0.00429	11.11111	1.86
Benzo(a)pyrene	I 1B	1	3	135.0	550	405	ug/kg	10	4	1	6.5	0.81	202.862	1000	1000	202.9	0.00162	2.0942	0.43
Benzo(a)pyrene	I 2A	47	47	577.8	578	578	ug/kg	235	0	5			5.24E+02	20	2000	524.0	0.03461	3.4612	0.91
Benzo(a)pyrene	I 2B	68	113	539.9	1765	867	ug/kg	659	0	8			1.43E+02	20	1000	142.5	0.01133	1.85208	0.255
Benzo(b)fluoranthene	1	12	54	349.9	7310	1341	ug/kg	1587	0	54			1.05E+02	20	400	105.2	0.00547	0.5716	0.15
Benzo(b)fluoranthene	2A	32	131	549.06	1630	1036	ug/kg	1105	0	15			1.29E+02	20	1000.0	129.3	0.01227	1.8213	0.193
Benzo(b)fluoranthene	2B	2	4	182	3403	907	ug/kg	15	0	5			60	40	80.0	60.0	0.01176	0.3297	0.1947
Benzo(b)fluoranthene	3A	32	131	622.4	1554	1361	ug/kg	1575	0	14			2.50E+01	2.50E+01	25	25.0	0.01608	0.0402	0.02
Benzo(b)fluoranthene	3B	32	131	622	1600	967	ug/kg	1459	0	21			1.63E+02	25	1000.0	163.1	0.01608	0.6266	0.1171
Benzo(b)fluoranthene	4A	262	262	1073	1073	1073	ug/kg	2620	0	10			2.50E+01	2.50E+01	25	25.0	0.02331	0.0233	0.02
Benzo(b)fluoranthene	4B	262	262	1072.65	1072.6	1073	ug/kg	4978	0	19			49.47	20.00	500	49	0.01865	0.46614	0.0
Benzo(b)fluoranthene	I 1A	1	1	90.00	485	331	ug/kg	6	5	1	2.6	1.70	168.367	1000.00	1000	168	0.00405	11.11111	1.86
Benzo(b)fluoranthene	I 1B	1	3	208.3	550	420	ug/kg	10	4	1	5.3	0.62	202.444	1000	1000	202.4	0.00124	2.0942	0.43
Benzo(b)fluoranthene	I 2A	47	47	595.4	595	595	ug/kg	235	0	5			5.24E+02	20	2000	524.0	0.03359	3.3591	0.88
Benzo(b)fluoranthene	I 2B	68	114	554.9	1804	881	ug/kg	665	0	8			142.5	20	1000	142.5	0.01109	1.80218	0.249
Benzo(g,h,i)perylene	1	12	52	328.3	6899	1320	ug/kg	1525	0	54			1.05E+02	20	400	105.2	0.00580	0.6092	0.16
Benzo(g,h,i)perylene	2A	32	127	563.29	1602	1022	ug/kg	1079	0	15			129.3333333	20	1000.0	129.3	0.01248	1.7753	0.191
Benzo(g,h,i)perylene	2B	2	4	245	3187	865	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01255	0.2693	0.1862
Benzo(g,h,i)perylene	3A	32	127	629.1	1532	1343	ug/kg	1529	0	14			2.50E+01	2.50E+01	25	25.0	0.01632	0.0397	0.02
Benzo(g,h,i)perylene	3B	32	127	629	1579	955	ug/kg	1425	0	21			1.63E+02	25	1000.0	163.1	0.01632	0.6353	0.1186
Benzo(g,h,i)perylene	4A	258	258	1052	1052	1052	ug/kg	2580	0	10			2.50E+01	2.50E+01	25	25.0	0.02377	0.0238	0.02
Benzo(g,h,i)perylene	4B	258	258	1051.76	1051.8	1052	ug/kg	4902	0	19			49.47	20.00	500	49	0.01902	0.47539	0.0
Benzo(g,h,i)perylene	I 1A	1	1	90.00	485	331	ug/kg	6	5	1	3.3	2.00	168.667	1000.00	1000	169	0.00412	11.11111	1.86
Benzo(g,h,i)perylene	I 1B	1	3	101.7	550	399	ug/kg	10	4	1	7.8	0.74	203.548	1000	1000	203.5	0.00148	2.0942	0.43
Benzo(g,h,i)perylene	I 2A	47	47	584.7	585	585	ug/kg	235	0	5			5.24E+02	20	2000	524.0	0.03420	3.4203	0.90
Benzo(g,h,i)perylene	I 2B	66	111	576.0	1774	883	ug/kg	643	0	8			1.43E+02	20	1000	142.5	0.01128	1.73597	0.240
Benzo(k)fluoranthene	1	12	51	334.2	7379	1348	ug/kg	1492	0	54			1.05E+02	20	400	105.2	0.00542	0.5984	0.16
Benzo(k)fluoranthene	2A	32	125	537.05	1628.7	1032	ug/kg	1066	0	15			1.29E+02	20	1000.0	129.3	0.01228	1.8620	0.196
Benzo(k)fluoranthene	2B	2	4	80	3196	825	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01251	0.7519	0.2946
Benzo(k)fluoranthene	3A	32	125	624.8	1556	1361	ug/kg	1507	0	14			2.50E+01	2.50E+01	25	25.0	0.01607	0.0400	0.02
Benzo(k)fluoranthene	3B	32	125	625	1604	964	ug/kg	1411	0	21			1.63E+02	25	1000.0	163.1	0.01607	0.6252	0.1171
Benzo(k)fluoranthene	4A	256	256	1055	1055	1055	ug/kg	2560	0	10			2.50E+01	2.50E+01	25	25.0	0.02371	0.0237	0.02

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Benzo(k)fluoranthene	4B	256	256	1054.51	1054.5	1055	ug/kg	4864	0	19			49.474	20.00	500	49	0.01897	0.47416	0.0
Benzo(k)fluoranthene	I 1A	1	1	90.00	485	331	ug/kg	6	5	1	1.6	0.84	167.663	1000.00	1000	168	0.00200	11.111111	1.85
Benzo(k)fluoranthene	I 1B	1	3	193.3	550	417	ug/kg	10	4	1	2.7	0.39	201.178	1000	1000	201.2	0.00078	2.0942	0.42
Benzo(k)fluoranthene	I 2A	47	47	561.6	562	562	ug/kg	235	0	5			5.24E+02	20	2000	524.0	0.03561	3.5610	0.93
Benzo(k)fluoranthene	I 2B	66	109	546.6	1803.68	881.3	ug/kg	639	0	8			142.5	20.0	1000.00	142.50	0.01109	1.8295	0.25
beta-BHC	1	11	35	2.2	92.12	36.0	ug/kg	1612	6	72	20	11.0	5.8	5.0	5.00	5.77	0.05428	2.2887	0.93
beta-BHC	2A	31	88	2.94	54.59	25	ug/kg	992	3	15	33	11	7.2	3.0	5.00E+00	7.166666667	0.07600	1.700	0.9
beta-BHC	2B	2	3	5.3	220.00	43.0	ug/kg	17	6	0	130	17	64.0			64.00	0.59091	12.6019	6.7
beta-BHC	3A	31	88	2.9	52.47	45.5	ug/kg	1248	15	1	440	31.0	156.3	5.0	5.0	156.313	0.09528	15.6679	4.53
beta-BHC	3B	31	88	3	52.5	19.6	ug/kg	773	7	11	60	13	15.5	5	5.00E+00	15.5	0.09528	8.50	1.7
beta-BHC	4A	207	207	26	26.2	26.2	ug/kg	2484	12	0	300	63.0	154.58			154.58	2.40609	11.458	5.90
beta-BHC	4B	207	207	26.18	26.18	26	ug/kg	4140	6	14	73	10.0	13.3	5.0	5.00	13.25	0.19096	2.7880	0.506
beta-BHC	I 1A	1	1	1.50	110.0	32	ug/kg	9	1	8	13	13	3.58E+00	1.25	5.00	3.58	0.01136	0.86667	0.4243
beta-BHC	I 1B	1	3	36.0	150.00	105.27	ug/kg	10	0	5			1.60E+00	1.25E+00	3.0	1.60	0.00833	0.035	0.02
beta-BHC	I 2A	45	45	6.8	6.8	6.8	ug/kg	585	0	13			15.4	5.0	50.00	15.38	0.73553	7.3553	2.26
beta-BHC	I 2B	43	86	43.6	53.645	46.370	ug/kg	456	6	2	56	25.0000	27.0000	3.0000	5.0000	27.00000	0.05862	1.2428	0.591
Cadmium	1	12	50	0.2	0.467	0.334	mg/kg	1983	5	73	0.03	0.0100	0.0065	0.0050	0.020	0.007	0.01070	0.1135	0.021
Cadmium	2A	32	129	0.26	0.612	0.336	mg/kg	1409	17	2	0.03	1.00E-02	2.89E-02	2.50E-01	0.25000	0.02889	0.02646	0.40825	0.07088
Cadmium	2B	2	4	0	0.440	0.303	mg/kg	19	0	6			1.50E-03	1.50E-03	0.00150	0.00150	0.00341	0.00667	0.0054
Cadmium	3A	32	129	0.3	0.378	0.363	mg/kg	1810	0	16			2.22E-03	1.50E-03	0.005	0.00222	0.00397	0.01323	0.01
Cadmium	3B	32	129	0	0.378	0.321	mg/kg	1626	0	23			0.04472	0.00150	0.25000	0.04472	0.00397	0.69097	0.1241
Cadmium	4A	259	259	0	0.413	0.413	mg/kg	3108	1	11	0.004	0.00400	0.00371	0.00150	0.005	0.00371	0.00363	0.01212	0.01
Cadmium	4B	259	259	0.41	0.4127	0.41	mg/kg	5439	1	20	0.004	0.0040	0.0138	0.0015	0.250	0.0138	0.00363	0.6058	0.03
Cadmium	I 1A	1	1	0.06	1.340	0.545	mg/kg	9	3	6	0.07	0.0600	0.1159	0.0330	0.250	0.116	0.04478	4.545	1.042
Cadmium	I 1B	1	2	0.2	0.360	0.293	mg/kg	8	4	1	0.07	0.053	0.1	0.25	0.25000	0.10000	0.17377	0.7752	0.3558
Cadmium	I 2A	47	47	0.4	0.404	0.404	mg/kg	517	0	11			0.0050	0.0050	0.005	0.00500	0.01237	0.0124	0.012
Cadmium	I 2B	67	110	0.3	0.6	0	mg/kg	652	6	2	0.05	0.01	0.052	0.005	2.50E-01	0.051875	0.01054	0.45060	0.1181
Chromium	1	10	43	48.1	183.4	77	mg/kg	1622	78	0	2.1	0.19	0.379			3.79E-01	0.00191	0.01532	0.0055
Chromium	2A	30	111	53.42	136.0	88.2	mg/kg	1239	18	1	1.4	0.400	0.948			0.948333333	0.00554	0.02059	0.0113
Chromium	2B	1	3	25.4	57.1	49	mg/kg	13	6	0	0.62	0.220	0.402			0.4017	0.00525	0.01188	0.0083
Chromium	3A	30	111	39.8	112.0	59	mg/kg	1565	15	1	0.78	0.240	0.430	0.095	0.10	0.430	0.00178	0.01460	0.0077
Chromium	3B	30	111	40	114.6	77.1	mg/kg	1766	21	6	0.78	0.18	0.357	0.500	6.00E-01	3.57E-01	0.00188	0.02214	0.0066
Chromium	4A	235	235	80	80.5	80.5	mg/kg	2820	12	0	1.4	0.11	0.3925			0.3925	0.00137	0.017401	0.0049
Chromium	4B	235	235	80.46	80.5	80.5	mg/kg	10575	31	14	0.612	0.080	0.206	0.006	0.600	0.2064	0.00014	0.01458	0.0037
Chromium	I 1A	1	1	12.40	59.8	36	mg/kg	9	5	4	0.23	0.10	0.19	0.06	0.500	0.187	0.00100	0.02591	0.0089
Chromium	I 1B	1	3	27.8	153	71	mg/kg	10	2	3	1.3	1.20	0.739	0.210	5.00E-01	7.39E-01	0.00317	0.04671	0.01640
Chromium	I 2A	44	44	176.5	176.5	177	mg/kg	572	13	0	1.4	0.410	0.848			0.8485	0.00232	0.007930	0.00481
Chromium	I 2B	61	95	44.2	115	59	mg/kg	583	2	6	0.81	0.13	1.67E-01	4.00E-02	0	0.2	0.00070	0.00707	0.002
Chrysene	1	12	55	354.3	7229	1238	ug/kg	1973	0	74			1.08E+02	20	500	107.8	0.00553	0.5646	0.16
Chrysene	2A	32	133	569.26	1617	1020	ug/kg	1117	0	15			1.29E+02	20	1000.0	129.3	0.01237	1.7567	0.191
Chrysene	2B	2	4	173	3360	886	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01190	0.3468	0.2055
Chrysene	3A	32	133	615.0	1543	1363	ug/kg	1731	0	15			2.50E+01	2.50E+01	25	25.0	0.01620	0.0407	0.02
Chrysene	3B	32	133	615	1590	953	ug/kg	1476	0	21			1.63E+02	25	1000.0	163.1	0.01620	0.6308	0.1183
Chrysene	4A	264	264	1067	1067	1067	ug/kg	3168	0	12			2.50E+01	2.50E+01	25	25.0	0.02343	0.0234	0.02
Chrysene	4B	264	264	1066.82	1066.8	1067	ug/kg	5016	0	19			49.47	20.00	500	49.5	0.01875	0.46868	0.0
Chrysene	I 1A	1	1	90.00	10400	3652	ug/kg	9	5	4	7.8	3.20	147.122	100.00	1000	147	0.00907	11.11111	1.25
Chrysene	I 1B	1	3	253.3	550	417	ug/kg	10	4	1	9.2	0.97	204.554	1000	1000	204.6	0.00194	2.0942	0.432
Chrysene	I 2A	47	47	594.0	594	594	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03367	0.3367	0.11
Chrysene	I 2B	69	116	568.3	1787.5	887	ug/kg	674	0	8			142.500	20.00	1000	142.5	0.01119	1.75977	0.243
Copper	1	12	51	34.2	242.1	101	mg/kg	2017	78	0	17.4	0.91	3.92			3.916794872	0.00826	0.2236	0.0524
Copper	2A	32	132	40.75	135.0	88	mg/kg	1434	18	1	4.4	1.30	2.272			2.27E+00	0.01144	0.04483	0.0301
Copper	2B	2	4	43	182.9	95	mg/kg	19	6	0	9	0.6	2.078			2.08E+00	0.00470	0.04922	0.018
Copper	3A	32	132	40.8	130.7	117	mg/kg	1850	16	0	14.2	0.86	6.607			6.607	0.00727	0.15488	0.0586
Copper	3B	32	132	41	136.0	81.2	mg/kg	1654	21	2	1.6	0.4	0.797	0.26	4.45E-01	7.97E-01	0.00187	0.02649	0.012
Copper	4A	262	262	100	99.9	99.9	mg/kg	3144	12	0	25.5	0.50	7.161			7.1608	0.00500	0.255253	0.0717
Copper	4B	262	262	99.90	99.90	100	mg/kg	5502	21	0	1.5	0.31	0.75			0.748	0.00310	0.01501	0.007
Copper	I 1A	1	1	9.80	169.0	90	mg/kg	9	5	4	6.1	1.8	2.567	0.6	2.10E+00	2.566666667	0.00545	0.62245	0.111
Copper	I 1B	1	3	71.2	853.0	311.5	mg/kg	10	5	0	33	0.6	24.5			24.528	0.00462	0.463	0.155
Copper	I 2A	47	47	71.6	71.6	72	mg/kg	611	13	0	24.2	11.2	16.79			16.79230769	0.15636	0.3379	0.234
Copper	I 2B	69	113	78.4	146.69	102.2	mg/kg	668	8	0	15.6	7.8	1.08E+01			10.78	0.05931	0.159	0.11

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
delta-BHC	1	11	35	2.2	16.56	7.3	ug/kg	1612	0	78			5	5	5.00	5.00	0.30187	2.289	1.14
delta-BHC	2A	31	88	2.52	10.82	5.9	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.46204	1.983	1.31
delta-BHC	2B	2	3	4.3	31.10	11.0	ug/kg	17	0	6			5	5	5.0	5.00	0.16077	1.163	0.76
delta-BHC	3A	31	88	2.5	10.82	9.7	ug/kg	1248	0	16			6.03125	5	10.5	6.03	0.46204	1.983	0.75
delta-BHC	3B	31	88	3	10.82	5.57	ug/kg	773	0	18			5	5	5.00	5.00	0.46204	1.983	1.386
delta-BHC	4A	207	207	6	6.43	6.43	ug/kg	2484	0	12			5	5	5.0	5.00	0.77709	0.777	0.78
delta-BHC	4B	207	207	6.43	6.434	6.4	ug/kg	4140	0	20			5	5	5.00	5.00	0.77709	0.7771	0.78
delta-BHC	I 1A	1	1	0.39	15.00	8.4	ug/kg	9	0	9			2.69E+00	1.25	5.00	2.69	0.08929	3.2051	1.310
delta-BHC	I 1B	1	3	2.7	19.82	7.81	ug/kg	10	0	5			1.60E+00	1.25	3.0	1.60	0.06308	0.47	0.3
delta-BHC	I 2A	45	45	4.1	4.09	4.1	ug/kg	585	0	13			15.38461538	5	50.00	15.38	1.22249	12.225	3.762
delta-BHC	I 2B	43	86	7.4	11	10	ug/kg	456	0	8			4.75	3	5	4.8	0.40333	0.50832	0.458
Dibenzo(a,h)anthracene	1	11	51	377.4	6873	1369	ug/kg	1458	0	54			1.05E+02	20	400	105.2	0.00582	0.5300	0.15
Dibenzo(a,h)anthracene	2A	31	124	545.37	1629	1048	ug/kg	1052	0	15			1.29E+02	20	1000.0	129.3	0.01228	1.8336	0.192
Dibenzo(a,h)anthracene	2B	2	4	203	3125	833	ug/kg	15	0	5			60	40	80.0	60.0	0.01280	0.2950	0.2047
Dibenzo(a,h)anthracene	3A	31	124	636.2	1555	1366	ug/kg	1493	0	14			2.50E+01	2.50E+01	25	25.0	0.01607	0.0393	0.02
Dibenzo(a,h)anthracene	3B	31	124	636	1604	980	ug/kg	1390	0	21			1.63E+02	25	1000.0	163.1	0.01607	0.6252	0.1161
Dibenzo(a,h)anthracene	4A	254	254	1057	1057	1057	ug/kg	2540	0	10			2.50E+01	2.50E+01	25	25.0	0.02365	0.0236	0.02
Dibenzo(a,h)anthracene	4B	254	254	1057.24	1057.2	1057	ug/kg	4826	0	19			49.474	20.000	500	49	0.01892	0.47293	0.0
Dibenzo(a,h)anthracene	I 1A	1	1	90.00	485	331	ug/kg	6	5	1	0.93	0.52	167.26	1000.00	1000	167	0.00107	11.11111	1.85
Dibenzo(a,h)anthracene	I 1B	1	3	193.3	550	417	ug/kg	10	3	2	2.7	1.2	2.68E+02	335	1000	268.1	0.00309	2.0942	0.56
Dibenzo(a,h)anthracene	I 2A	47	47	556.1	556	556	ug/kg	235	0	5			5.24E+02	20	2000	524.0	0.03597	3.5968	0.94
Dibenzo(a,h)anthracene	I 2B	65	108	564.9	1782.09	887.0	ug/kg	632	0	8			1.43E+02	20	1000.00	142.50	0.01122	1.770	0.24
Endosulfan I	1	11	35	2.2	28.65	10.9	ug/kg	1612	0	78			5	5	5.00	5.00	0.17452	2.289	1.07
Endosulfan I	2A	31	88	2.54	14.55	7.7	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.27044	1.971	1.24
Endosulfan I	2B	2	3	4.3	14.75	8.1	ug/kg	17	0	6			5	5	5.0	5.00	0.33898	1.163	0.80
Endosulfan I	3A	31	88	2.5	14.49	12.6	ug/kg	1248	0	16			6.03125	5	10.5	6.03	0.34507	1.971	0.63
Endosulfan I	3B	31	88	3	14.49	7.44	ug/kg	1117	0	22			4.6	3.0	5.00	4.64	0.20818	1.971	1.16
Endosulfan I	4A	207	207	8	8.03	8.03	ug/kg	2484	2	10	18	12.00	6.67	5.00	5.0	6.67	0.62300	2.243	0.83
Endosulfan I	4B	207	207	8.03	8.026	8.0	ug/kg	4347	0	21			4.904761905	3	5.00	4.90	0.37380	0.623	0.6
Endosulfan I	I 1A	1	1	0.23	15.00	6.04	ug/kg	9	0	9			2.694444444	1.25	5.00	2.69	0.33333	13.043	1.993
Endosulfan I	I 1B	1	3	2.7	6.94	4.48	ug/kg	10	0	5			1.6	1.25	3.0	1.60	0.18003	0.48	0.4
Endosulfan I	I 2A	45	45	4.2	4.16	4.2	ug/kg	585	0	13			15.38461538	5	50.00	15.38	1.20064	12.006	3.694
Endosulfan I	I 2B	43	86	9.5	13.93	10.6	ug/kg	456	0	8			4.75	3	5.00	4.75	0.23330	0.528	0.46
Endosulfan II	1	11	35	3.7	28.39	10.6	ug/kg	1612	0	78			5	5	5.00	5.00	0.17614	1.358	0.73
Endosulfan II	2A	31	88	4.31	15.94	9.1	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.31376	1.161	0.779
Endosulfan II	2B	2	3	5.5	23.25	11.4	ug/kg	17	0	6			5.0	5.0	5.0	5.00	0.21505	0.909	0.61
Endosulfan II	3A	31	88	4.3	15.94	14.5	ug/kg	1248	1	15	14	14.00	8.78	5.00	21.00	8.78	0.31376	1.318	0.66
Endosulfan II	3B	31	88	4	15.94	10.01	ug/kg	1117	0	22			4.6	3.0	5.00	4.64	0.19078	1.161	0.71
Endosulfan II	4A	207	207	10	9.78	9.78	ug/kg	2484	7	5	30	15.0	14.6	5.0	5.0	14.58	0.51145	3.069	1.49
Endosulfan II	4B	207	207	9.78	9.78	9.8	ug/kg	4347	0	21			4.904761905	3	5.00	4.90	0.30687	0.5115	0.50
Endosulfan II	I 1A	1	1	1.85	33.00	13.5	ug/kg	9	0	9			3.39	2.50	5.00	3.39	0.07576	1.6216	0.630
Endosulfan II	I 1B	1	3	5.0	63.45	23.22	ug/kg	10	1	4	8.5	8.5	3.70E+00	2.5	2.5	3.70	0.03940	0.616	0.34
Endosulfan II	I 2A	45	45	6.3	6.28	6.3	ug/kg	585	0	13			15.38461538	5	50.00	15.38	0.79618	7.962	2.450
Endosulfan II	I 2B	43	86	10.0	16.87	15.3	ug/kg	456	0	8			4.75	3	5.00	4.75	0.29638	0.338	0.31
Endrin	1	11	35	3.7	31.47	13.5	ug/kg	1612	0	78			5	5	5.00	5.00	0.15888	1.358	0.69
Endrin	2A	31	88	4.31	18.26	10.3	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.21945	1.161	0.736
Endrin	2B	2	3	5.5	15.20	9.2	ug/kg	17	0	6			5	5	5.0	5.00	0.32895	0.909	0.67
Endrin	3A	31	88	4.3	18.17	16.0	ug/kg	1248	0	16			8.22	5.00	21.00	8.22	0.27524	1.161	0.57
Endrin	3B	31	88	4	18.2	10.0	ug/kg	1117	0	22			4.64	3.0	5.00	4.64	0.16566	1.161	0.71
Endrin	4A	207	207	11	10.7	10.7	ug/kg	2484	3	9	24	10.00	7.71	5.00	8.5	7.71	0.46714	2.242	0.72
Endrin	4B	207	207	10.70	10.70	10.7	ug/kg	4347	0	21			4.904761905	3	5.00	4.90	0.28028	0.4671	0.46
Endrin	I 1A	1	1	1.85	28.00	12.4	ug/kg	9	0	9			3.39E+00	2.5	5.00	3.39	0.08929	1.6216	0.633
Endrin	I 1B	1	3	3.4	26.78	12.00	ug/kg	10	0	5			2.60E+00	2.5	3.0	2.60	0.09334	0.882	0.41
Endrin	I 2A	45	45	6.3	6.3	6.3	ug/kg	585	0	13			15.4	5.0	50.00	15.38	0.79519	7.952	2.45
Endrin	I 2B	43	86	12.2	17	13	ug/kg	456	3	5	25	13	10.125	3	5	10.1	0.20348	2.03175	0.775
Fluoranthene	1	12	54	408.1	7752	1291	ug/kg	2005	0	77			1.06E+02	20	500	106.0	0.00516	0.5106	0.15
Fluoranthene	2A	32	132	533.01	1701	1083	ug/kg	1275	0	17			1.24E+02	20	1000.0	123.5	0.01176	1.8761	0.181
Fluoranthene	2B	2	4	123	3710	954	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01078	0.4898	0.2279
Fluoranthene	3A	32	132	653.5	1624	1435	ug/kg	1718	0	15			2.50E+01	2.50E+01	25	25.0	0.01540	0.0383	0.02
Fluoranthene	3B	32	132	653	1674	1006	ug/kg	1466	0	21			1.63E+02	25	1000.0	163.1	0.01540	0.5990	0.1122

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Fluoranthene	4A	263	263	1120	1120	1120	ug/kg	3156	0	12			2.50E+01	2.50E+01	25	25.0	0.02231	0.0223	0.02
Fluoranthene	4B	263	263	1120.44	1120.4	1120	ug/kg	5523	0	21			47.14	20.00	500	47.1	0.01785	0.44625	0.0
Fluoranthene	I 1A	1	1	90.00	19100	6587	ug/kg	9	5	4	12	2.80	148.078	100.00	1000	148	0.00524	11.11111	1.25
Fluoranthene	I 1B	1	3	183.3	550	415	ug/kg	10	4	1	2.6	0.72	201.524	1000	1000	201.5	0.00144	2.0942	0.424
Fluoranthene	I 2A	47	47	641.0	641	641	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03120	0.3120	0.10
Fluoranthene	I 2B	68	115	536.0	1906	922	ug/kg	667	0	8			1.43E+02	20	1000	142.5	0.01049	1.86565	0.255
Fluorene	1	11	49	361.5	7740	1338	ug/kg	1737	0	77			1.06E+02	20	500	106.0	0.00517	0.5533	0.15
Fluorene	2A	31	119	559.20	1775	1112	ug/kg	1169	0	17			1.24E+02	20	1000.0	123.5	0.01127	1.7883	0.176
Fluorene	2B	2	4	190	3156	836	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01267	0.3159	0.2095
Fluorene	3A	31	119	647.4	1688	1484	ug/kg	1556	0	15			25	2.50E+01	25	25.0	0.01481	0.0386	0.02
Fluorene	3B	31	119	647	1747	1024	ug/kg	1352	0	21			163.0952381	25	1000.0	163.1	0.01481	0.5740	0.1088
Fluorene	4A	247	247	1119	1119	1119	ug/kg	2964	0	12			2.50E+01	2.50E+01	25	25.0	0.02234	0.0223	0.02
Fluorene	4B	247	247	1118.96	1119.0	1119	ug/kg	5187	0	21			47.143	20.000	500	47.1	0.01787	0.446842	0.0
Fluorene	I 1A	1	1	90.00	485	274	ug/kg	9	5	4	0.68	0.290	144.691	100.000	1000	145	0.00069	11.111111	1.44
Fluorene	I 1B	1	3	178.3	550	414	ug/kg	10	3	2	0.85	0.39	2.67E+02	335	1000	267.4	0.00071	2.0942	0.554
Fluorene	I 2A	45	45	579.2	579	579	ug/kg	540	0	12			6.67E+01	20	200	66.7	0.03453	0.3453	0.12
Fluorene	I 2B	64	103	578.7	1905.45	930.1	ug/kg	617	0	8			1.43E+02	20	1000.00	142.50	0.01050	1.728	0.24
gamma-BHC (Lindane)	1	11	35	2.2	16.76	6.24	ug/kg	1612	0	78			5	5	5.00	5.00	0.29835	2.289	1.19
gamma-BHC (Lindane)	2A	31	88	2.54	8.88	5.1	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.56295	1.971	1.35
gamma-BHC (Lindane)	2B	2	3	4.3	12.50	7.92	ug/kg	17	0	6			5	5	5.0	5.00	0.40000	1.163	0.80
gamma-BHC (Lindane)	3A	31	88	2.5	8.88	8.02	ug/kg	1248	0	16			6.03	5.00	10.50	6.03	0.56295	1.971	0.86
gamma-BHC (Lindane)	3B	31	88	3	8.88	5.43	ug/kg	1117	0	22			4.636363636	3	5.00	4.64	0.34334	1.971	1.235
gamma-BHC (Lindane)	4A	207	207	6	5.68	5.68	ug/kg	2484	0	12			5.00	5.00	5.0	5.00	0.88070	0.881	0.88
gamma-BHC (Lindane)	4B	207	207	5.68	5.677	5.7	ug/kg	4347	0	21			4.904761905	3	5.00	4.90	0.52842	0.881	0.86
gamma-BHC (Lindane)	I 1A	1	1	0.95	15.00	7.8	ug/kg	9	0	9			2.69	1.25	5.00	2.69	0.12500	3.1579	0.804
gamma-BHC (Lindane)	I 1B	1	3	2.1	14.15	5.40	ug/kg	10	1	4	1.2	1.2	1.24	1.25	1.3	1.24	0.08834	0.56	0.4
gamma-BHC (Lindane)	I 2A	45	45	4.2	4.16	4.16	ug/kg	585	0	13			15.38461538	5	50.00	15.38	1.20064	12.006	3.694
gamma-BHC (Lindane)	I 2B	43	86	5.5	9.19	8.1	ug/kg	456	0	8			4.75	3	5.00	4.75	0.54432	0.616	0.58
gamma-Chlordane	1	11	35	1.9	28.09	11.1	ug/kg	1612	0	78			5	5	5.00	5.00	0.17800	2.576	1.12
gamma-Chlordane	2A	31	88	2.47	16.24	8.2	ug/kg	992	0	18			4.888888889	3	5.00	4.89	0.30794	2.023	1.25
gamma-Chlordane	2B	2	3	4.3	13.90	8.1	ug/kg	17	0	6			5.0	5.0	5.0	5.00	0.35971	1.163	0.79
gamma-Chlordane	3A	31	88	2.5	16.07	14.3	ug/kg	1248	7	9	47	12.00	16.41	5.00	10.5	16.41	0.31121	2.925	1.24
gamma-Chlordane	3B	31	88	2	16.08	9.00	ug/kg	1117	2	20	2.1	2.1	4.55	3.0	5.00	4.55	0.13061	2.023	1.14
gamma-Chlordane	4A	207	207	9	8.85	8.85	ug/kg	2484	10	2	56	10.0	25.17	5.00	5.0	25.17	0.56495	6.327	2.84
gamma-Chlordane	4B	207	207	8.85	8.850	8.9	ug/kg	4347	1	20	11	11	5.285714286	5	5.00	5.29	0.56495	1.2429	0.60
gamma-Chlordane	I 1A	1	1	0.95	19.00	9.8	ug/kg	9	0	9			2.69E+00	1.25	5.00	2.69	0.06579	3.1579	0.791
gamma-Chlordane	I 1B	1	3	2.2	73.15	17.21	ug/kg	10	0	5			1.60E+00	1.25	3.0	1.60	0.01709	0.70	0.4
gamma-Chlordane	I 2A	45	45	4.4	4.4	4.4	ug/kg	585	0	13			15.4	5.0	50.00	15.38	1.13682	11.368	3.498
gamma-Chlordane	I 2B	43	86	11.9	15.95	14.8	ug/kg	456	1	7	15	15	6	3	5.00	6.00	0.25229	0.954	0.40
Heptachlor	1	11	35	2.2	21.54	9.0	ug/kg	1612	0	78			5.00	5.00	5.00	5.00	0.23216	2.289	1.10
Heptachlor	2A	31	88	2.54	14.97	7.6	ug/kg	992	1	17	4.8	4.8	4.988888889	5	5.00	4.99	0.33408	1.971	1.26
Heptachlor	2B	2	3	4.3	33.75	11.5	ug/kg	17	0	6			5	5	5.0	5.00	0.14815	1.163	0.76
Heptachlor	3A	31	88	2.5	15.69	13.4	ug/kg	1248	0	16			6.03	5.00	10.50	6.03	0.31876	1.9708	0.61
Heptachlor	3B	31	88	3	15.69	8.81	ug/kg	1117	2	20	4	1.8	4.627272727	3	5.00	4.63	0.12414	1.971	1.116
Heptachlor	4A	207	207	8	8.20	8.20	ug/kg	2484	0	12			5.0	5.0	5.0	5.00	0.60950	0.610	0.61
Heptachlor	4B	207	207	8.20	8.203	8.2	ug/kg	4347	1	20	19	19.000	5.667	5.000	5.00	5.67	0.60950	2.3161	0.69
Heptachlor	I 1A	1	1	0.95	56.00	18.0	ug/kg	9	1	8	0.9	0.9	2.46E+00	1.25	5.00	2.46	0.02232	1.1364	0.536
Heptachlor	I 1B	1	3	2.7	86.48	29.11	ug/kg	10	0	5			1.60E+00	1.25	3.0	1.60	0.01445	0.47	0.3
Heptachlor	I 2A	45	45	4.2	4.16	4.2	ug/kg	585	0	13			15.385	5.000	50.00	15.38	1.20064	12.0064	3.694
Heptachlor	I 2B	43	86	8.8	17.34	15.0	ug/kg	456	1	7	0.68	0.68	4.46E+00	5	5.00	4.46	0.07766	0.368	0.29
Heptachlor Epoxide	1	11	35	2.2	28.80	10.7	ug/kg	1612	0	78			5	5	5.0	5.00	0.17362	2.289	1.08
Heptachlor Epoxide	2A	31	88	2.56	14.35	7.6	ug/kg	992	0	18			5.3	5.0	11.00	5.33	0.34847	1.950	1.27
Heptachlor Epoxide	2B	2	3	4.3	14.75	8.3	ug/kg	17	1	5	19	19	7.333333333	5	5.0	7.33	0.33898	4.419	1.33
Heptachlor Epoxide	3A	31	88	2.6	14.27	12.4	ug/kg	1248	0	16			6.03	5.00	10.5	6.03	0.35030	1.9497	0.64
Heptachlor Epoxide	3B	31	88	3	14.27	7.21	ug/kg	1117	2	20	3.6	1.3	5.3	5.0	11.00	5.31	0.09360	1.950	1.22
Heptachlor Epoxide	4A	207	207	8	7.93	7.93	ug/kg	2484	1	11	30	30.0	7.1	5.0	5.0	7.08	0.63080	3.785	0.89
Heptachlor Epoxide	4B	207	207	7.93	7.93	7.9	ug/kg	4347	0	21			5.285714286	5	11.0	5.29	0.63080	1.3878	0.67
Heptachlor Epoxide	I 1A	1	1	1.10	19.00	9.86	ug/kg	9	0	9			3.58E+00	1.25	11.0	3.58	0.06579	8.462	1.38
Heptachlor Epoxide	I 1B	1	3	2.7	9.05	5.78	ug/kg	10	0	5			3.2	1.25	11.0	3.20	0.13812	1.53	0.6
Heptachlor Epoxide	I 2A	45	45	4.2	4.18	4.2	ug/kg	585	0	13			15.38461538	5	50.0	15.38	1.19522	11.952	3.678

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Heptachlor Epoxide	I 2B	43	86	8.7	13	10	ug/kg	456	0	8			5.8	5.0	11	5.8	0.37408	0.91271	0.585
Hexachloro-1,3-butadiene	1	12	58	354.8	6703	1133	ug/kg	2081	1	76	19	19	1.06E+02	20	500	106.0	0.00597	0.5638	0.17
Hexachloro-1,3-butadiene	2A	32	139	520.02	1453	976	ug/kg	1323	0	17			1.24E+02	20	1000.0	123.5	0.01376	1.9230	0.188
Hexachloro-1,3-butadiene	2B	2	4	180	3013	809	ug/kg	15	0	5			60	40	8.00E+01	60	0.01328	0.3333	0.21
Hexachloro-1,3-butadiene	3A	32	139	600.0	1385	1247	ug/kg	1947	16	0	1800	110	505.6			505.6	0.07940	1.2993	0.44
Hexachloro-1,3-butadiene	3B	32	139	600	1438	917	ug/kg	1739	18	5	380	27	212.4	25	1000.0	212.4	0.03104	0.6955	0.212
Hexachloro-1,3-butadiene	4A	270	270	994	994	994	ug/kg	3240	8	4	380	36	9.32E+01	25	25	93.2	0.02516	0.3824	0.09
Hexachloro-1,3-butadiene	4B	270	270	993.68	994	994	ug/kg	5670	0	21			4.71E+01	20	500	47.1	0.02013	0.503	0.05
Hexachloro-1,3-butadiene	I 1A	1	4	108.50	485	324	ug/kg	12	0	9			330.5555556	100	1000	331	0.32787	9.217	1.65
Hexachloro-1,3-butadiene	I 1B	1	6	365.7	550	463	ug/kg	13	0	5			468	335	1000	468.0	0.60909	2.0942	1.016
Hexachloro-1,3-butadiene	I 2A	47	47	552.4	552	552	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03620	0.3620	0.12
Hexachloro-1,3-butadiene	I 2B	74	120	527.8	1622	819	ug/kg	709	0	8			1.43E+02	20	1000	142.5	0.01233	1.89452	0.262
Hexachlorobenzene	1	12	55	354.8	6592	1285	ug/kg	2042	0	77			1.06E+02	20	500	106.0	0.00595	0.5638	0.14
Hexachlorobenzene	2A	32	136	615.08	1799	1117	ug/kg	1302	0	17			123.5	20.0	1000.0	123.5	0.01112	1.6258	0.167
Hexachlorobenzene	2B	2	4	283	3110	1035	ug/kg	15	1	4	94	94	6.68E+01	40	80.0	66.8	0.01286	0.3318	0.1776
Hexachlorobenzene	3A	32	136	640.4	1710	1531	ug/kg	1769	0	15			25.0	25.0	25	25.0	0.01462	0.0390	0.02
Hexachlorobenzene	3B	32	136	640	1780	1094	ug/kg	1496	1	20	58	58	165	25	1000.0	164.7	0.01462	0.5618	0.108
Hexachlorobenzene	4A	267	267	1155	1155	1155	ug/kg	3204	2	10	280	230	6.33E+01	25	25	63.3	0.02165	0.2425	0.05
Hexachlorobenzene	4B	267	267	1154.57	1155	1155	ug/kg	5607	0	21			4.71E+01	20	500	47.1	0.01732	0.433	0.04
Hexachlorobenzene	I 1A	1	1	285.00	2220	954	ug/kg	9	0	9			330.5555556	100	1000	331	0.15227	1.1754	0.53
Hexachlorobenzene	I 1B	1	3	500.0	9940	2854	ug/kg	10	0	5			4.68E+02	335	1000	468.0	0.03370	1.1799	0.526
Hexachlorobenzene	I 2A	47	47	552.4	552	552	ug/kg	564	0	12			66.7	20.0	200	66.7	0.03620	0.3620	0.12
Hexachlorobenzene	I 2B	71	117	652.2	1971	1230	ug/kg	688	3	5	28	20	1.44E+02	20	1000	144.3	0.01015	1.53333	0.208
Hexachloroethane	1	12	55	354.8	6669	1132	ug/kg	2042	0	77			1.06E+02	20	500	106.0	0.00600	0.5638	0.17
Hexachloroethane	2A	32	136	515.15	1459	978	ug/kg	1302	0	17			1.24E+02	20	1000.0	123.5	0.01370	1.9412	0.189
Hexachloroethane	2B	2	4	204	3110	833	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01286	0.2945	0.2026
Hexachloroethane	3A	32	136	589.9	1393	1243	ug/kg	1769	0	15			2.50E+01	2.50E+01	25	25.0	0.01795	0.0424	0.02
Hexachloroethane	3B	32	136	590	1445	910	ug/kg	1496	0	21			1.63E+02	25	1000.0	163.1	0.01795	0.6918	0.1270
Hexachloroethane	4A	267	267	993	993	993	ug/kg	3204	0	12			2.50E+01	2.50E+01	25	25.0	0.02518	0.0252	0.03
Hexachloroethane	4B	267	267	992.99	993.0	993	ug/kg	5607	0	21			4.71E+01	20	500	47.1	0.02014	0.504	0.0
Hexachloroethane	I 1A	1	1	90.00	485	322	ug/kg	9	0	9			330.5555556	100	1000	331	0.32787	11.111	1.86
Hexachloroethane	I 1B	1	3	178.3	550	414	ug/kg	10	0	5			468	335	1000	468.0	0.60909	2.0942	1.235
Hexachloroethane	I 2A	47	47	552.4	552	552	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03620	0.3620	0.12
Hexachloroethane	I 2B	71	117	516.5	1637	814	ug/kg	688	0	8			1.43E+02	20	1000	142.5	0.01222	1.93618	0.267
Indeno(1,2,3-cd)pyrene	1	11	53	349.3	6944	1347	ug/kg	1481	0	54			1.05E+02	20	400	105.2	0.00576	0.5725	0.15
Indeno(1,2,3-cd)pyrene	2A	31	127	543.01	1595	1029	ug/kg	1070	0	15			1.29E+02	20	1000.0	129.3	0.01254	1.8416	0.194
Indeno(1,2,3-cd)pyrene	2B	2	4	227	3198	860	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01251	0.2741	0.1924
Indeno(1,2,3-cd)pyrene	3A	31	127	603.1	1526	1338	ug/kg	1529	0	14			2.50E+01	2.50E+01	25	25.0	0.01639	0.0415	0.02
Indeno(1,2,3-cd)pyrene	3B	31	127	603	1572	959	ug/kg	1420	0	21			1.63E+02	25	1000.0	163.1	0.01639	0.6381	0.1187
Indeno(1,2,3-cd)pyrene	4A	257	257	1047	1047	1047	ug/kg	2570	0	10			2.50E+01	2.50E+01	25	25.0	0.02387	0.0239	0.02
Indeno(1,2,3-cd)pyrene	4B	257	257	1047.40	1047.4	1047	ug/kg	4883	0	19			49.474	20.000	500	49	0.01909	0.47737	0.0
Indeno(1,2,3-cd)pyrene	I 1A	1	1	90.00	485.0	331	ug/kg	6	5	1	1.1	0.71	167.402	1000.00	1000	167	0.00169	11.111111	1.85
Indeno(1,2,3-cd)pyrene	I 1B	1	3	80.0	550	394	ug/kg	10	4	1	3.1	0.36	201.312	1000	1000	201.3	0.00072	2.0942	0.42
Indeno(1,2,3-cd)pyrene	I 2A	47	47	558.5	559	559	ug/kg	235	0	5			524	20	2000	524.0	0.03581	3.5810	0.94
Indeno(1,2,3-cd)pyrene	I 2B	68	110	563.2	1741.2	861	ug/kg	652	0	8			142.5000	20.000	1000.000	142.5000	0.01149	1.775622	0.2463
Lead	1	12	51	23.3	162.9	65	mg/kg	2017	64	14	4.3	0.02	0.368	0.010	1.05E-01	3.68E-01	0.00018	0.06658	0.0054
Lead	2A	32	132	30.72	100.1	60.9	mg/kg	1434	18	1	1.7	0.440	0.848			8.48E-01	0.00585	0.02409	0.01657
Lead	2B	2	4	30	88.2	51	mg/kg	19	6	0	0.78	0.11	0.2583			2.58E-01	0.00238	0.00885	0.0047
Lead	3A	32	132	30.7	100.1	90	mg/kg	1850	16	0	1.5	0.040	0.7169			0.7169	0.00130	0.014982	0.0076
Lead	3B	32	132	31	100.1	60.6	mg/kg	1654	10	13	0.27	0.05	0.0861	0.020	4.00E-01	8.61E-02	0.00028	0.004594	0.0012
Lead	4A	262	262	69	68.9	68.9	mg/kg	3144	12	0	2.9	0.060	0.7183			0.7183	0.00087	0.042111	0.0104
Lead	4B	262	262	68.87	68.9	69	mg/kg	5502	10	11	0.49	0.040	0.059	0.010	0.020	0.0586	0.00015	0.0071153	0.0009
Lead	I 1A	1	1	12.90	744.0	265	mg/kg	9	3	6	0.33	0.16	0.216	0.07	0.245	0.216	0.00009	0.01860	0.0087
Lead	I 1B	1	3	49.2	264.0	109.2	mg/kg	10	4	1	2.2	0.470	1.294	0.400	4.00E-01	1.294	0.00686	0.02844	0.01380
Lead	I 2A	47	47	40.0	40.0	40.0	mg/kg	611	13	0	0.27	0.120	0.1623			0.1623	0.00300	0.006752	0.0041
Lead	I 2B	69	113	53.1	84.135	62.72	mg/kg	668	5	3	0.67	0.050	0.1350	0.010	1.00E-02	1.35E-01	0.00012	0.0100	0.002
Mercury	1	12	51	0.2	6.304	2.23	mg/kg	2017	78	0	0.65	0.013	0.2057			0.205679487	0.04018	0.6365	0.179
Mercury	2A	32	132	0.25	3.220	1.65	mg/kg	1434	18	1	0.275	0.052	0.1191			0.119055556	0.01918	0.3671	0.147
Mercury	2B	2	4	0	3.138	1.50	mg/kg	19	6	0	0.163	0.062	0.1090			0.109	0.03697	0.3269	0.163
Mercury	3A	32	132	0.3	3.080	2.62	mg/kg	1850	16	0	0.244	0.059	0.1311			0.1311	0.02629	0.75014	0.098

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Mercury	3B	32	132	0	3.36	1.71	mg/kg	2046	24	3	0.251	0.034	0.1098	0.0067	6.50E-02	0.109838889	0.00738	0.7062	0.2145
Mercury	4A	262	262	2	1.97	1.97	mg/kg	3144	12	0	0.185	0.05	0.0865			8.65E-02	0.02484	0.0938	0.044
Mercury	4B	262	262	1.97	1.9724	1.97	mg/kg	11790	45	0	0.71	0.0	0.1755			0.175531111	0.02180	0.6530	0
Mercury	I 1A	1	1	0.04	3.110	1.25	mg/kg	24	24	0	88	0	27.2456			27.24558333	0.02783	2514.2857	384.1
Mercury	I 1B	1	3	0.8	7.200	3.186	mg/kg	20	11	0	103	0.0620	38.9762			38.97618182	0.01347	68.6420	17.4533
Mercury	I 2A	47	47	0.8	0.85	0.85	mg/kg	611	13	0	0.049	0.029	0.0353			3.53E-02	0.03416	0.0577	0.042
Mercury	I 2B	69	113	1.4	3.4	2	mg/kg	668	8	0	0.302	0.064	1.62E-01			0.16	0.01905	0.2004	0.102
Methoxychlor	1	11	35	16.1	105.4	32.8	ug/kg	1612	0	78			5.00E+00	5	5.00	5.00	0.04744	0.311	0.196
Methoxychlor	2A	31	88	19.10	44.7	30.4	ug/kg	992	0	18			5.027777778	5	5.5	5.0	0.11175	0.262	0.19
Methoxychlor	2B	2	3	16.0	93.5	36.0	ug/kg	17	0	6			19.25	10.5	21	19.25	0.22460	1.313	0.83
Methoxychlor	3A	31	88	19.1	44.4	40.9	ug/kg	1248	0	16			27.0	5.0	105.0	27.03	0.11263	2.365	0.63
Methoxychlor	3B	31	88	19	44.5	30.8	ug/kg	1117	0	22			5.8	5.0	21.0	5.82	0.11263	0.565	0.21
Methoxychlor	4A	207	207	32	32.4	32.4	ug/kg	2484	1	11	13	13.0	11.38	5.0	41.5	11.38	0.15430	1.281	0.351
Methoxychlor	4B	207	207	32.40	32.404	32.4	ug/kg	4347	4	17	22	10	6.595238095	5	5.5	6.60	0.15430	0.679	0.2
Methoxychlor	I 1A	1	1	0.40	23.5	15.2	ug/kg	9	0	9			9.222222222	5	12.5	9.22	0.33333	13.9241	2.091
Methoxychlor	I 1B	1	3	13.3	71.8	31.2	ug/kg	10	0	5			1.11E+01	5.5	13	11.10	0.07666	0.940	0.53
Methoxychlor	I 2A	45	45	26.0	26.0	26.0	ug/kg	585	0	13			41.92307692	5	165.00	41.92	0.19255	6.354	1.614
Methoxychlor	I 2B	43	86	33.2	48.2	39.4	ug/kg	456	0	8			5.0625	5.0000	5.5000	5.0625	0.10382	0.165460	0.1301
Nickel	1	12	51	12.1	41.5	22.0	mg/kg	2017	75	3	0.63	0.030	0.097	0.015	0.07	0.10	0.00093	0.04582	0.0052
Nickel	2A	32	132	13.39	24.9	19.2	mg/kg	1434	17	2	0.5	0.170	0.3978	2.000	2.00E+00	3.98E-01	0.00682	0.08666	0.0209
Nickel	2B	2	4	13	37.2	22.7	mg/kg	19	6	0	0.31	0.070	0.162			0.1617	0.00296	0.02366	0.0088
Nickel	3A	32	132	13.4	24.9	23.0	mg/kg	1850	3	13	0.52	0.380	0.1541	0.035	0.16	0.15	0.00221	0.02088	0.007
Nickel	3B	32	132	13	25.9	18.4	mg/kg	1654	19	4	0.98	0.060	0.4604	2.000	2.00E+00	0.460434783	0.00281	0.07842	0.0196
Nickel	4A	262	262	20	20.3	20.3	mg/kg	3144	12	0	0.67	0.060	0.1992			0.1992	0.00295	0.03293	0.010
Nickel	4B	262	262	20.35	20.35	20.3	mg/kg	5502	20	1	0.15	0.03	0.184	2.00	2.00E+00	1.84E-01	0.00147	0.0983	0.009
Nickel	I 1A	1	1	5.10	46.7	25.5	mg/kg	9	9	0	2.6	0.490	1.488			1.49	0.01049	0.29412	0.1077
Nickel	I 1B	1	3	20.5	72.9	43.1	mg/kg	10	4	1	0.62	0.540	0.866	2.000	2.000	0.866	0.00741	0.04994	0.0230
Nickel	I 2A	47	47	17.0	17.0	17.0	mg/kg	611	9	4	0.47	0.320	0.3046	0.130	0.16	0.30	0.00763	0.02758	0.0179
Nickel	I 2B	69	113	17.2	26	20	mg/kg	668	7	1	0.21	0.1	0.35	2.0	2.00	0.35	0.00383	0.083183	0.01543
OCDD	1	3	17	4025.9	6457	5107	ng/kg	201	8	10	23.6	5.0	5.6	1.1	2.64E+00	5.64E+00	0.00022	0.0037	0.0010
OCDD	2A	7	40	4157.14	4705	4568	ng/kg	127	4	0	84.1	67.70	76.15			7.62E+01	0.01439	0.020230	0.01677
OCDD	2B	1	1	3800.0	12000	7900	ng/kg	2	2	0	6.21	5.8	5.99			5.99	0.00048	0.001634	0.00106
OCDD	3A	40	40	4704.7	4705	4705	ng/kg	120	2	1	17	6.42	8.18E+00	1.11E+00	1.11	8.177	0.00024	0.003613	0.00174
OCDD	3B	7	42	3578.9	4705	4296	ng/kg	200	0	7			1.9	0.9	6.30E+00	1.92E+00	0.00019	0.00134	0.0004
OCDD	4A	72	72	4430.4	4430	4430	ng/kg	216	3	0	171	22.40	72.80			72.800	0.00506	0.038597	0.01643
OCDD	4B	72	72	4430.36	4430	4430	ng/kg	288	0	4			1.0	0.7	1.26E+00	9.64E-01	0.00015	0.00028	0.0002
OCDD	I 1A	1	1	3170.00	7300	4557	ng/kg	3	3	0	110	22	57.8			5.78E+01	0.00697	0.01507	0.0117
OCDD	I 1B	1	5	3200.0	14300	6961	ng/kg	7	3	0	105	25.4	67.1			6.71E+01	0.00496	0.03105	0.01465
OCDD	I 2A	12	12	4556.7	4557	4557	ng/kg	24	2	0	21.3	20.00	20.65			2.07E+01	0.00439	0.004674	0.004532
OCDD	I 2B	22	26	3752.3	3779	3761	ng/kg	70	3	0	3.03	1.7	2.22			2.220	0.00046	0.0008075	0.00059
OCDF	1	3	17	380.3	51129	26435	ng/kg	201	11	7	51.4	2	9.0	0	6.05E-01	8.97E+00	0.00002	0.00101	0.0004
OCDF	2A	7	40	550.14	29123	21980	ng/kg	127	4	0	205	51.6	151.65			1.52E+02	0.00543	0.093794	0.0282
OCDF	2B	1	1	350.0	38000	19175	ng/kg	2	2	0	27.8	5.6	16.68			1.67E+01	0.00073	0.0158857	0.00831
OCDF	3A	40	40	29122.9	29123	29123	ng/kg	120	3	0	57.7	2.82	26.21			26.207	0.00010	0.0019813	0.00090
OCDF	3B	7	42	391.3	29123	20043	ng/kg	200	2	5	3.03	3.0	2.132	0.35	6.95E+00	2.13E+00	0.00002	0.0010247	0.000308
OCDF	4A	72	72	17617.7	17618	17618	ng/kg	216	3	0	16.8	0.539	8.64E+00			8.636	0.00003	0.00095358	0.0004902
OCDF	4B	72	72	17617.73	17618	17618	ng/kg	288	0	4			0.4	0.2	1.08E+00	4.37E-01	0.00001	0.00006	0.00002
OCDF	I 1A	1	1	2700.00	120000	47800	ng/kg	3	3	0	160	11	64.0			6.40E+01	0.00100	0.00422	0.0022
OCDF	I 1B	1	5	3900.0	35748	15353	ng/kg	7	3	0	420	17.80	180.60			1.81E+02	0.00456	0.01622	0.01085
OCDF	I 2A	12	12	1157.5	1158	1158	ng/kg	24	2	0	8.46	6.95	7.71E+00			7.705	0.00600	0.0073089	0.0066566
OCDF	I 2B	22	26	20431.3	23526	22494	ng/kg	70	0	3			1	1	9.55E-01	8.27E-01	0.00003	0.0000	0.000
PCB-105	1	8	14	5261.8	270140	95557	ng/kg	189	18	0	8530	1680	3976			3975.555556	0.01399	0.8077	0.27
PCB-105	2A	9	28	6188.10	241249	64953	ng/kg	93	4	0	7960	5040	6375			6375	0.03299	1.025	0.717
PCB-105	2B	1	1	4450.0	11700	8075	ng/kg	2	2	0	11500	4370	7935			7935	0.98202	0.98	0.98
PCB-105	3A	28	28	6188.1	6188	6188	ng/kg	84	3	0	29900	6230	21710			21710	1.00677	4.8319	3.508
PCB-105	3B	9	28	4027.0	241249	80208	ng/kg	118	6	0	11800	2740	6505			6505	0.04098	0.9179	0.548
PCB-105	4A	44	44	54855.4	54855	54855	ng/kg	132	3	0	22400	4730	16410			16410	0.08623	0.4083	0.299
PCB-105	4B	44	44	54855.38	54855	54855	ng/kg	176	4	0	11700	718	5487			5487	0.01309	0.213	0.100
PCB-105	I 1A	1	1	3290.00	11000	7145	ng/kg	2	2	0	3290	1000	2145			2145	0.29909	0.3040	0.302
PCB-105	I 1B	1	4	2712.96	22800	14504	ng/kg	6	3	0	2260	1020	1577			1576.666667	0.04474	0.833	0.319

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
PCB-105	I 2A	3	3	14960.0	14960	14960	ng/kg	6	2	0	2190	1870	2030			2030	0.12500	0.15	0.14
PCB-105	I 2B	16	19	3975.9	4667	4206	ng/kg	51	3	0	12100	8640	10220			10220	1.85124	3.04333	2.463
PCB-114	1	8	14	1337.5	16630	7148	ng/kg	189	18	0	360	132	256			256.3888889	0.00854	0.2692	0.089
PCB-114	2A	9	28	1655.72	14814	4945	ng/kg	93	4	0	601	381	456			455.75	0.02957	0.36	0.22
PCB-114	2B	1	1	351.0	361	356	ng/kg	2	2	0	621	414	518			517.5	1.17949	1.720	1.45
PCB-114	3A	28	28	1655.7	1656	1656	ng/kg	84	3	0	2450	624	1651			1651.333333	0.37687	1.4797	0.997
PCB-114	3B	9	28	980.9	14814	5684	ng/kg	118	6	0	563	174	331			330.6666667	0.03080	0.1975	0.125
PCB-114	4A	44	44	4189.6	4190	4190	ng/kg	132	3	0	1560	334	1121.3			1121.333333	0.07972	0.37235	0.268
PCB-114	4B	44	44	4189.61	4190	4190	ng/kg	176	4	0	546	38	319.6			319.575	0.00914	0.1303	0.076
PCB-114	I 1A	1	1	711.00	1080	896	ng/kg	2	2	0	180	66.8	123.4			123.4	0.09395	0.16667	0.130
PCB-114	I 1B	1	4	777.61	7080	4633	ng/kg	6	3	0	93.9	50	74.2			74.16666667	0.00831	0.121	0.047
PCB-114	I 2A	3	3	719.3	719	719	ng/kg	6	2	0	107	89	98			98.2	0.12428	0.149	0.137
PCB-114	I 2B	16	19	929.74	1174	1011	ng/kg	51	3	0	922	765	825			825	0.65165	0.992	0.83
PCB-118	1	1	5	4650.00	53570	28754	ng/kg	54	18	0	35400	6960	16773			16773.33333	0.12992	7.613	1.74
PCB-118	2A	2	10	22925.00	27325	26225	ng/kg	32	4	0	32200	19700	25075			25075	0.72095	1.40	0.97
PCB-118	2B	1	1	11900.00	41200	26550	ng/kg	2	2	0	44400	17200	30800			30800	1.07767	1.445	1.26
PCB-118	3A	10	10	27325.00	27325	27325	ng/kg	30	3	0	112000	23500	80833			80833.33333	0.86002	4.099	2.96
PCB-118	3B	2	10	18430.0	27325	24172	ng/kg	38	6	0	45200	11400	25983			25983.33333	0.52535	1.972	1.13
PCB-118	4A	17	17	31049.4	31049	31049	ng/kg	51	3	0	96900	20500	68633			68633.33333	0.66024	3.1208	2.21
PCB-118	4B	17	17	31049.41	31049	31049	ng/kg	68	4	0	47300	2770	22143			22142.5	0.08921	1.523	0.713
PCB-118	I 1A	1	1	16900.00	32900	24900	ng/kg	2	2	0	12600	3670	8135			8135	0.21716	0.3830	0.30
PCB-118	I 1B	1	1	3910.00	87700	35637	ng/kg	3	3	0	7630	3370	5177			5176.666667	0.03843	1.159	0.565
PCB-118	I 2A	3	3	46400.00	46400	46400	ng/kg	6	2	0	9710	7970	8840			8840	0.17177	0.21	0.19
PCB-118	I 2B	4	5	18760.00	19588	19036	ng/kg	13	3	0	49100	39100.0	43533.3			43533.33333	1.99612	2.6173	2.2912
PCB-123	I 1A	1	1	2570.00	2570.00	2570	ng/kg	1	1	0	77.7	78	77.7			7.77E+01	0.03023	0.0302	0.0
PCB-123	I 1B	1	3	5.3	3880	1409	ng/kg	5	3	0	180	75	113.2			113.1666667	0.02168	14.3346	4.961
PCB-126	1	8	14	256.6	5414	2795	ng/kg	189	18	0	206	44	113			112.9111111	0.01902	0.4481	0.099
PCB-126	2A	9	28	861.79	4858	1861	ng/kg	93	4	0	251	149	201			200.75	0.05166	0.237	0.173
PCB-126	2B	1	1	310.0	436	373	ng/kg	2	2	0	319	113	216			216	0.36452	0.732	0.548
PCB-126	3A	28	28	861.8	862	862	ng/kg	84	3	0	704	164	521.3			521.3	0.19030	0.8169	0.605
PCB-126	3B	9	28	212.1	4858	2006	ng/kg	118	5	1	254	35	111.4	12	1.19E+01	111.4166667	0.02964	0.1450	0.074
PCB-126	4A	44	44	1597.9	1598	1598	ng/kg	132	3	0	842	81	570.0			569.9666667	0.05063	0.5269	0.357
PCB-126	4B	44	44	1597.88	1598	1598	ng/kg	176	4	0	291	16	111.0			111.025	0.01026	0.1821	0.069
PCB-126	I 1A	1	1	187.00	485	336	ng/kg	2	2	0	103	17.1	60.1			60.05	0.09144	0.2124	0.152
PCB-126	I 1B	1	4	162.87	1570	971	ng/kg	6	3	0	93.8	30.0	62.4			62.43333333	0.02542	0.576	0.214
PCB-126	I 2A	3	3	450.3	450	450	ng/kg	6	2	0	64.7	52	58			58.3	0.11525	0.144	0.13
PCB-126	I 2B	16	19	203.85	223	210	ng/kg	51	3	0	304	223	271			271.3333333	0.99953	1.491	1.300
PCB-136	I 1A	1	1	2540.00	2540.0	2540	ng/kg	1	1	0	487	487	487.0			487	0.19173	0.1917	0.19
PCB-136	I 1B	1	3	13.90	7310	2703	ng/kg	5	3	0	253	38	155			155.3	0.02394	2.727	1.024
PCB-141	I 1A	1	1	5240.00	5240.0	5240	ng/kg	1	1	0	709	709	709			709	0.13531	0.1353	0.1
PCB-141	I 1B	1	3	18.6	12300	4559	ng/kg	5	3	0	2060	671	1257			1257	0.08455	36.0753	12.558
PCB-156	1	8	14	3868.9	84574	32998	ng/kg	189	18	0	4330	949	2167			2167.166667	0.02530	0.5635	0.192
PCB-156	2A	9	28	5077.49	75869	22775	ng/kg	93	4	0	3670	2720	3255			3255	0.04837	0.664	0.47
PCB-156	2B	1	1	1680.0	6800	4240	ng/kg	2	2	0	5090	2330	3710			3710	0.74853	1.387	1.07
PCB-156	3A	28	28	5077.5	5077	5077	ng/kg	84	3	0	14100	3030	9543			9543.333333	0.59675	2.7770	1.880
PCB-156	3B	9	28	3102.7	75869	27101	ng/kg	118	6	0	5950	1170	3090			3090	0.06228	0.522	0.321
PCB-156	4A	44	44	19353.2	19353	19353	ng/kg	132	3	0	13600	2160	8720			8720	0.11161	0.7027	0.451
PCB-156	4B	44	44	19353.22	19353	19353	ng/kg	176	4	0	5920	310	2803			2802.5	0.01602	0.306	0.145
PCB-156	I 1A	1	1	4440.00	4440	4440	ng/kg	1	1	0	584	584	584			584	0.13153	0.132	0.132
PCB-156	I 2A	3	3	5080.0	5080	5080	ng/kg	6	2	0	895	702	799			798.5	0.13819	0.18	0.16
PCB-156	I 2B	16	19	2987.6	3454	3143	ng/kg	51	3	0	5530	4580	4960			4960	1.38084	1.8510	1.588
PCB-157	1	8	14	985.8	21242	8211	ng/kg	189	18	0	1460	252	662			661.5	0.03794	0.6228	0.220
PCB-157	2A	9	28	1228.48	19178	5716	ng/kg	93	4	0	1040	745	917			917	0.05423	0.776	0.55
PCB-157	2B	1	1	431.0	2840	1636	ng/kg	2	2	0	1330	613	972			971.5	0.46831	1.422	0.95
PCB-157	3A	28	28	1228.5	1228	1228	ng/kg	84	3	0	3910	763	2598			2597.666667	0.62109	3.1828	2.115
PCB-157	3B	9	28	812.8	19178	6829	ng/kg	118	6	0	1730	315	868			868	0.07054	0.588	0.355
PCB-157	4A	44	44	4872.0	4872	4872	ng/kg	132	3	0	3290	630	2216.7			2216.666667	0.12931	0.6753	0.455
PCB-157	4B	44	44	4872.01	4872	4872	ng/kg	176	4	0	1720	85	795			794.65	0.01736	0.353	0.163
PCB-157	I 1A	1	1	1240.00	1240	1240	ng/kg	1	1	0	324	324	324			324	0.26129	0.261	0.261
PCB-157	I 2A	3	3	1343.7	1344	1344	ng/kg	6	2	0	246	186	216			216	0.13843	0.18	0.16

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
PCB-157	I 2B	16	19	782.0	881	815	ng/kg	51	3	0	1570	1250	1363			1363.333333	1.44168	2.0078	1.683
PCB-167	1	8	14	3163.3	34922	15591	ng/kg	189	18	0	3010	689	1611			1611	0.05011	0.5121	0.188
PCB-167	2A	9	28	4151.91	31556	11003	ng/kg	93	4	0	2270	1970	2148			2147.5	0.07130	0.547	0.40
PCB-167	2B	1	1	1210.0	5010	3110	ng/kg	2	2	0	3180	1610	2395			2395	0.63473	1.331	0.98
PCB-167	3A	28	28	4151.9	4152	4152	ng/kg	84	3	0	9530	2180	6563			6563.333333	0.52506	2.2953	1.581
PCB-167	3B	9	28	2565.0	31556	12508	ng/kg	118	6	0	2660	841	1742			1741.833333	0.08429	0.395	0.260
PCB-167	4A	44	44	9466.6	9467	9467	ng/kg	132	3	0	8410	1520	5723			5723.333333	0.16056	0.8884	0.605
PCB-167	4B	44	44	9466.62	9467	9467	ng/kg	176	4	0	3040	181	1509			1509	0.01912	0.321	0.159
PCB-167	I 1A	1	1	1770.00	2970	2370	ng/kg	2	2	0	856	289	573			572.5	0.16328	0.2882	0.226
PCB-167	I 1B	1	4	1886.68	19900	13696	ng/kg	6	3	0	835	414	586			585.6666667	0.02080	0.443	0.163
PCB-167	I 2A	3	3	2613.3	2613	2613	ng/kg	6	2	0	503	426	465			464.5	0.16301	0.19	0.18
PCB-167	I 2B	16	19	2446.0	2816.0	2569	ng/kg	51	3	0	3930	3160	3486.666667			3486.67	1.19672	1.6067	1.365
PCB-169	1	8	14	91.4	300.8	181	ng/kg	189	0	18			11.7	9.6	16.65	11.70	0.03241	0.1706	0.083
PCB-169	2A	9	28	88.56	150.9	135	ng/kg	93	3	1	25	11.7	1.75E+01	10	10.0	17.5	0.07754	0.1657	0.128
PCB-169	2B	1	1	16.5	135	76	ng/kg	2	0	2			1.26E+01	12.3	12.9	12.6	0.09111	0.7788	0.4349
PCB-169	3A	28	28	150.9	150.9	151	ng/kg	84	0	3			12.57	12.1	12.9	12.6	0.08019	0.0852	0.083
PCB-169	3B	9	28	78.0	151	117	ng/kg	118	4	2	15.2	7.28	1.08E+01	10.1	11.9	10.83	0.04825	0.1716	0.1073
PCB-169	4A	44	44	119.5	119	119	ng/kg	132	0	3			10.37	9.95	11.0	10.37	0.08328	0.0921	0.087
PCB-169	4B	44	44	119.47	119	119	ng/kg	176	0	4			9.93	9.90	9.95	9.93	0.08286	0.08328	0.0831
PCB-169	I 1A	1	1	141.00	173.0	157	ng/kg	2	1	1	8.25	8.25	4.66	1.07	1.07	4.66	0.00759	0.04769	0.0276
PCB-169	I 1B	1	4	87.93	984.0	496.6	ng/kg	6	1	2	6.82	6.82	3.26E+00	1.04E+00	1.9	3.3	0.00105	0.022	0.013
PCB-169	I 2A	3	3	23.2	23.2	23.2	ng/kg	6	0	2			15.3	15.3	15.30	15.28	0.65700	0.659	0.658
PCB-169	I 2B	16	19	73.26	75	74	ng/kg	51	2	1	25.4	23	19	10	9.95	19.48333333	0.13582	0.347	0.264
PCB-174	I 1A	1	1	5880.00	5880.0	5880	ng/kg	1	1	0	589	589	589			589	0.10017	0.1002	0.1
PCB-174	I 1B	1	3	24.70	15900	5749	ng/kg	5	3	0	1200	371	828			828.3333333	0.05748	15.020	5.329
PCB-179	I 1A	1	1	2150.00	2150.0	2150	ng/kg	1	1	0	251	251	251			251	0.11674	0.1167	0.12
PCB-179	I 1B	1	3	11.1	8090	2875	ng/kg	5	3	0	385	104	276			275.6666667	0.04178	9.3694	3.382
PCB-189	1	8	14	1834.5	5094	3776	ng/kg	189	18	0	481	132	276			275.7222222	0.03180	0.182	0.081
PCB-189	2A	9	28	2707.95	3026	2787	ng/kg	93	4	0	918	436	627			627	0.14408	0.339	0.227
PCB-189	2B	1	1	739.0	929	834	ng/kg	2	2	0	579	509	544			544	0.54790	0.783	0.67
PCB-189	3A	28	28	2708.0	2708	2708	ng/kg	84	3	0	3040	762	1851			1850.666667	0.28139	1.1226	0.683
PCB-189	3B	9	28	1513.5	3026	2567	ng/kg	118	6	0	502	141	284			283.8333333	0.06499	0.166	0.11
PCB-189	4A	44	44	2453.6	2454	2454	ng/kg	132	3	0	2860	398	1779.3			1779.333333	0.16221	1.1657	0.725
PCB-189	4B	44	44	2453.56	2454	2454	ng/kg	176	4	0	568	32.7	268.2			268.225	0.01333	0.2315	0.1093
PCB-189	I 1A	1	1	1090.00	1100	1095	ng/kg	2	2	0	51.2	39.1	45.2			4.52E+01	0.03555	0.04697	0.0413
PCB-189	I 1B	1	4	1252.15	13500	8984	ng/kg	6	3	0	93.6	52.7	76.5			7.65E+01	0.00432	0.066	0.026
PCB-189	I 2A	3	3	457.0	457	457	ng/kg	6	2	0	63.6	59	61			61.35	0.12932	0.139	0.134
PCB-189	I 2B	16	19	1430.78	1643	1502	ng/kg	51	3	0	551	418	469			468.6666667	0.25439	0.38510	0.31497
PCB-194	I 1A	1	1	23300.00	23300.0	23300	ng/kg	1	1	0	177	177	177			1.77E+02	0.00760	0.00760	0.01
PCB-194	I 1B	1	3	56.30	90000	31467	ng/kg	5	3	0	534	265	410			409.6666667	0.00593	4.7069	1.6039
PCB-202	I 1A	1	1	2390.00	2390.00	2390	ng/kg	1	1	0	101	101	101.0			1.01E+02	0.04226	0.0423	0.04
PCB-202	I 1B	1	3	7.73	11400	3963	ng/kg	5	3	0	249	73	161			160.7666667	0.02184	9.48254	3.27867
PCB-206	I 1A	1	1	152000.00	152000	152000	ng/kg	1	1	0	1410	1410	1410			1.41E+03	0.00928	0.00928	0.01
PCB-206	I 1B	1	3	295.00	523000	183951	ng/kg	5	3	0	1160	318	622			621.6666667	0.00222	1.0780	0.3646
PCB-207	I 1A	1	1	30300.00	30300.0	30300	ng/kg	1	1	0	372	372	372			3.72E+02	0.01228	0.01228	0.01
PCB-207	I 1B	1	3	45.80	85900	30211	ng/kg	5	3	0	384	118	215			215	0.00447	2.5764	0.8705
PCB-208	I 1A	1	1	20200.00	20200.0	20200	ng/kg	1	1	0	370	370	370			3.70E+02	0.01832	0.01832	0.02
PCB-208	I 1B	1	3	39.10	69900	24421	ng/kg	5	3	0	499	119	258			258.3333333	0.00714	3.04348	1.03262
PCB-209	I 1A	1	1	366000.00	366000	366000	ng/kg	1	1	0	3010	3010	3010			3.01E+03	0.00822	0.00822	0.008
PCB-209	I 1B	1	3	718.0	1080000	384028	ng/kg	5	3	0	2720	642	1.42E+03			1422.7	0.00252	0.8942	0.303
Pentachlorophenol	1	11	42	1176.4	10267	2997	ug/kg	624	0	20			3.75E+02	50	1000	375.0	0.02435	0.4456	0.20
Pentachlorophenol	2A	31	112	1439.71	4470	2862	ug/kg	1087	0	16			481.25	50	5000	481.3	0.01119	3.47292	0.290
Pentachlorophenol	2B	2	3	510.0	10233	2577	ug/kg	14	0	5			1.50E+02	100	200	150.0	0.00977	0.2941	0.20
Pentachlorophenol	3B	31	112	1622	4396	2579	ug/kg	1297	0	21			7.63E+02	60	5000.0	762.9	0.01415	1.1410	0.1884
Pentachlorophenol	4A	242	242	2739	2739	2739	ug/kg	2904	0	12			6.00E+01	6.00E+01	60	60	0.02190	0.0219	0.02
Pentachlorophenol	4B	242	242	2739.44	2739	2739	ug/kg	242	0	1			2500	2500	2500	2500	0.91259	0.913	0.9
Pentachlorophenol	I 1A	1	1	230.00	1200	822	ug/kg	6	0	6			1541.666667	850	5000	1542	0.70833	21.739	4.42
Pentachlorophenol	I 1B	1	2	590.0	1350	1123	ug/kg	8	0	5			1680	850	5000	1680.0	0.62963	4.1667	1.523
Pentachlorophenol	I 2A	47	47	1386.8	1387	1387	ug/kg	564	0	12			1.33E+02	50	500	133	0.03605	0.36	0.10
Pentachlorophenol	I 2B	71	71	1492.9	1493	1493	ug/kg	71	0	1			5000	5000	5000	5000.0	3.34921	3.34921	3.349

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Phenanthrene	1	12	55	333.5	6263	1073	ug/kg	1999	0	77			1.06E+02	20	500	106.0	0.00639	0.5745	0.17
Phenanthrene	2A	32	131	539.36	1474	966	ug/kg	1268	0	17			1.24E+02	20	1000.0	123.5	0.01357	1.8540	0.187
Phenanthrene	2B	2	4	240	3540	927	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01130	0.2802	0.1924
Phenanthrene	3A	32	131	604.1	1410	1255	ug/kg	1706	0	15			2.50E+01	2.50E+01	25	25.0	0.01773	0.0414	0.02
Phenanthrene	3B	32	131	604	1450	902	ug/kg	1459	0	21			1.63E+02	25	1000.0	163.1	0.01773	0.6917	0.1275
Phenanthrene	4A	262	262	998	998	998	ug/kg	3144	0	12			2.50E+01	2.50E+01	25	25.0	0.02505	0.0251	0.03
Phenanthrene	4B	262	262	997.90	997.9	998	ug/kg	5502	0	21			47.14	20.0	500	47.1	0.02004	0.50105	0.0
Phenanthrene	I 1A	1	1	90.00	734	465	ug/kg	9	6	3	72	1.70	142.778	100.00	1000	143	0.00405	11.11111	1.28
Phenanthrene	I 1B	1	3	150.0	550	408	ug/kg	10	4	1	5.5	0.79	202.958	1000	1000	203.0	0.00158	2.0942	0.429
Phenanthrene	I 2A	47	47	603.8	604	604	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03312	0.3312	0.11
Phenanthrene	I 2B	68	115	546.5	1632	848	ug/kg	666	0	8			1.43E+02	20	1000	142.5	0.01226	1.82994	0.252
Pyrene	1	12	55	336.2	7655	1303	ug/kg	1973	0	74			1.08E+02	20	500	107.8	0.00523	0.5949	0.15
Pyrene	2A	32	133	548.58	1694	1052	ug/kg	1117	0	15			1.29E+02	20	1000.0	129.3	0.01181	1.8229	0.194
Pyrene	2B	2	4	221	3538	888	ug/kg	15	0	5			6.00E+01	40	80.0	60.0	0.01131	0.3620	0.2332
Pyrene	3A	32	133	636.5	1619	1426	ug/kg	1731	0	15			2.50E+01	2.50E+01	25	25.0	0.01544	0.0393	0.02
Pyrene	3B	32	133	637	1666	985	ug/kg	1476	0	21			1.63E+02	25	1000.0	163.1	0.01544	0.6031	0.1137
Pyrene	4A	264	264	1098	1098	1098	ug/kg	3168	0	12			2.50E+01	2.50E+01	25	25.0	0.02276	0.0228	0.02
Pyrene	4B	264	264	1098.29	1098.3	1098	ug/kg	5016	0	19			49.47	20.0	500	49.5	0.01821	0.45525	0.0
Pyrene	I 1A	1	1	90.00	17300	5987	ug/kg	9	5	4	19	5.50	150.32	100.00	1000	150	0.00578	11.1111	1.25
Pyrene	I 1B	1	3	110.0	550	373	ug/kg	10	4	1	7.5	1.2	2.04E+02	1000	1000	204.1	0.01091	2.0942	0.430
Pyrene	I 2A	47	47	570.9	571	571	ug/kg	564	0	12			6.67E+01	20	200	66.7	0.03503	0.3503	0.12
Pyrene	I 2B	69	116	557.8	1866.692	908.51	ug/kg	674	0	8			142.500	20.000	1.00E+03	142.5	0.01071	1.793	0.25
Selenium	1	10	43	0.6	1.221	0.86	mg/kg	1622	78	0	2.9	0.23	0.563			0.562564103	0.36663	3.212	0.66
Selenium	2A	30	111	0.66	1.131	0.89	mg/kg	1239	18	1	1.1	0.550	0.682			0.682222222	0.50463	1.071	0.802
Selenium	2B	1	3	0.6	1.150	0.79	mg/kg	13	6	0	0.56	0.380	0.442			0.441666667	0.41739	0.691	0.59
Selenium	3A	30	111	0.7	1.131	1.04	mg/kg	1565	16	0	0.78	0.30	0.560			0.560	0.27525	1.182	0.56
Selenium	3B	30	111	1	1.164	0.928	mg/kg	1766	24	3	1.2	0.290	0.589	0.415	0.640424649	0.589147855	0.30058	2.796	0.862
Selenium	4A	235	235	1	0.991	0.991	mg/kg	2820	12	0	0.77	0.29	0.442			0.4417	0.29266	0.7771	0.45
Selenium	4B	235	235	0.99	0.991	0.99	mg/kg	10575	44	1	1.10E+00	0.240	0.569	0.045	0.045	0.5691	0.03482	3.4816	1.13
Selenium	I 1A	1	1	0.40	2.000	1.033	mg/kg	9	3	6	0.82	0.36	0.47	0.10	0.490	0.468	0.04750	1.188	0.71
Selenium	I 1B	1	3	0.6	0.850	0.710	mg/kg	10	1	4	1.3	1.300	0.629	0.420	0.49	0.629	0.55882	1.677	0.877
Selenium	I 2A	44	44	0.9	0.91	0.91	mg/kg	572	13	0	0.55	0.350	0.457			0.456923077	0.38548	0.606	0.503
Selenium	I 2B	61	95	1.1	1.15	1.1	mg/kg	583	8	0	0.89	0.36	0.66625			0.67	0.33638	0.788	0.60
Total Chlordane (U=1/2; max ND)	1	11	35	3.8	53.00	22.2	ug/kg	1612	0	78			10.00	10.00	10.00	10.00	0.18869	2.633	1.14
Total Chlordane (U=1/2; max ND)	2A	31	88	4.97	31.39	16.1	ug/kg	993	1	17	5.3	5.3	9.7	10.0	10.00	9.74	0.25118	2.012	1.25
Total Chlordane (U=1/2; max ND)	2B	2	3	8.6	37.14	17.8	ug/kg	17	1	5	19	19.0	11.5	10.0	10.0	11.50	0.26925	2.209	0.95
Total Chlordane (U=1/2; max ND)	3A	31	88	5.0	31.12	27.3	ug/kg	1248	7	9	65	17.0	23.69	10.00	21.00	23.69	0.32137	2.089	0.98
Total Chlordane (U=1/2; max ND)	3B	31	88	5	33.7	18.5	ug/kg	1412	7	19	15.3	5.1	9.2	6.0	10.00	9.25	0.16408	2.012	1.05
Total Chlordane (U=1/2; max ND)	4A	208	208	17	17.0	17.0	ug/kg	2496	11	1	92	15.0	46.1	10.0	10.0	46.08	0.58713	5.402	2.71
Total Chlordane (U=1/2; max ND)	4B	208	208	17.03	17.03	17.0	ug/kg	9360	4	41	18.02	14.80	13.73	10.00	17.00	13.73	0.58713	1.431	0.99
Total Chlordane (U=1/2; max ND)	I 1A	1	1	1.12	30.00	16.4	ug/kg	9	2	7	2.85	2.55	5.433333333	2.5	10.00	5.43	0.10460	5.3571	1.064
Total Chlordane (U=1/2; max ND)	I 1B	1	3	3.8	80.91	21.72	ug/kg	10	0	5			3.20E+00	2.5	6.0	3.20	0.03090	0.66	0.4
Total Chlordane (U=1/2; max ND)	I 2A	46	46	8.5	8.5	8.5	ug/kg	598	0	13			30.77	10.0	100.00	30.77	1.17416	11.742	3.613
Total Chlordane (U=1/2; max ND)	I 2B	43	86	23.8	30.20	25.2	ug/kg	457	2	6	20	4.9	10.6	10.0	10.00	10.61	0.19437	0.662	0.4
Total DDT (U=1/2; max ND)	1	11	35	7.5	67.64	32.2	ug/kg	1624	1	77	91	91.00	11.04	10.00	10.00	11.04	0.14785	11.616	0.77
Total DDT (U=1/2; max ND)	2A	31	88	8.95	45.0	24.7	ug/kg	996	1	17	8.4	8.4	9.9	10.0	10.00	9.91	0.22233	1.118	0.68
Total DDT (U=1/2; max ND)	2B	2	3	11.3	78.20	29.0	ug/kg	17	3	3	23	21.0	16.0	10.0	10.00	16.00	0.28133	2.031	0.95
Total DDT (U=1/2; max ND)	3A	31	88	8.9	44.92	39.5	ug/kg	1248	11	5	86	23.0	35.2	10.0	10.0	35.19	0.22261	4.583	1.14
Total DDT (U=1/2; max ND)	3B	31	88	9	46.4	27.0	ug/kg	1418	3	23	51.8280398	48	16.1	6.0	65.18	16.12	0.13460	1.118	0.63
Total DDT (U=1/2; max ND)	4A	209	209	26	25.8	25.8	ug/kg	2508	10	2	210	22.0	49.67	10.0	10.0	49.67	0.38695	8.126	1.92
Total DDT (U=1/2; max ND)	4B	209	209	25.84	25.84	25.8	ug/kg	9405	6	39	76	7.40	36.50	10.00	56.79	36.50	0.28634	2.941	0.72
Total DDT (U=1/2; max ND)	I 1A	1	1	4.30	30.0	18.6	ug/kg	9	5	4	8.7	6.00	7.93	6.00	10.00	7.93	0.24658	2.023	0.753
Total DDT (U=1/2; max ND)	I 1B	1	3	11.0	48.9	28.1	ug/kg	10	1	4	8.8	8.8	5.76	5	5.0	5.76	0.10228	0.455	0.25
Total DDT (U=1/2; max ND)	I 2A	46	46	13.9	13.9	13.9	ug/kg	598	0	13			30.77	10.0	100.00	30.77	0.71794	7.179	2.21
Total DDT (U=1/2; max ND)	I 2B	43	87	31.59	44.2	35	ug/kg	459	4	4	73	8.10	31.513	10.00	10	31.5125	0.21177	2.24533	0.9002
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	3	8	17.0	935.8	456	ng/kg	108	18	0	9.8601	0.3	3.80			3.80E+00	0.00260	0.0523	0.015
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2A	7	22	24.22	409.0	313	ng/kg	73	4	0	18.34532	6.45	12.79			12.78594	0.02883	0.26647	0.094
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2B	1	1	24.0	808	416	ng/kg	2	2	0	7.332568	7.1	7.2			7.194832	0.00908	0.2937	0.151
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3A	22	22	409.0	409.0	409	ng/kg	66	3	0	41.346106	12.34	29.625			29.62464333	0.03016	0.10108	0.0724
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	7	22	23.6	409	262	ng/kg	114	7	0	3.692625	0.5	1.96			1.96E+00	0.00319	0.0600	0.017

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4A	52	52	202.3	202	202	ng/kg	156	3	0	44.889971	4.98	25.939			25.93937423	0.02463	0.22192	0.12824
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4B	52	52	202.28	202.3	202	ng/kg	208	4	0	1.9601699	0.4	1.10			1.10E+00	0.00174	0.00969	0.005
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1A	1	1	56.37	875.69	382	ng/kg	3	3	0	16.543	1.2	10.22			10.224575	0.00562	0.2293	0.08
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1B	1	2	5.0	440.1	175.7	ng/kg	4	3	0	84.229	4.70	31.68			31.68294333	0.05729	1.2357	0.4948
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2A	12	12	45.4	45	45	ng/kg	24	2	0	2.06323	1.8	1.9			1.92E+00	0.03909	0.0455	0.042
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2B	10	12	157.7	162	160	ng/kg	32	3	0	19.141039	15.4177895	1.69E+01			16.9	0.09779	0.11835	0.105
Total HPAH (U=1/2; max ND)	1	12	55	1500.6	22902	4269	ug/kg	2019	0	77			2.15E+02	40	1000	214.5	0.00349	0.26657	0.076
Total HPAH (U=1/2; max ND)	2A	32	133	2122.47	5377	3401	ug/kg	1282	0	17			2.47E+02	40	2000	247.1	0.00744	0.94230	0.1016
Total HPAH (U=1/2; max ND)	2B	2	4	1824	16989	4860	ug/kg	15	0	5			1.20E+02	8.00E+01	160.0	120.0	0.00471	0.08772	0.0578
Total HPAH (U=1/2; max ND)	3A	32	133	2138.6	5125	4529	ug/kg	1731	0	15			5.00E+01	5.00E+01	50	50.0	0.00976	0.02338	0.01
Total HPAH (U=1/2; max ND)	3B	32	133	2139	5362	3182	ug/kg	1476	0	21			3.26E+02	50	2000.0	326.2	0.00976	0.3730	0.0703
Total HPAH (U=1/2; max ND)	4A	264	264	3588	3588	3588	ug/kg	3168	0	12			5.00E+01	5.00E+01	50	50.0	0.01393	0.0139	0.01
Total HPAH (U=1/2; max ND)	4B	264	264	3588.43	3588	3588	ug/kg	5544	0	21			94	40	1000	94	0.01115	0.27867	0.0
Total HPAH (U=1/2; max ND)	I 1A	1	1	180.00	66884	23447	ug/kg	9	5	4	3403.73	3371	2169	200	2000	2169	0.00299	11.111	3.13
Total HPAH (U=1/2; max ND)	I 1B	1	3	955.0	4610	2001	ug/kg	10	4	1	3401.7	3357.34	3104.988	2000	2000	3105.0	0.72827	3.0789	1.99
Total HPAH (U=1/2; max ND)	I 2A	47	47	2120.8	2121	2121	ug/kg	564	0	12			493.3333333	40	4000	493.3	0.01886	1.88606	0.233
Total HPAH (U=1/2; max ND)	I 2B	69	116	2111.0	5732	3010	ug/kg	674	0	8			285	40	2000	285.0	0.00698	0.94740	0.132
Total LPAH (U=1/2; max ND)	1	12	55	912.3	48193	5732	ug/kg	2042	11	66	650	165	244	40	1000	243.6	0.00166	0.4718	0.14
Total LPAH (U=1/2; max ND)	2A	32	136	1248.00	8403	4325	ug/kg	1302	6	11	670	165	364	40	2000	364.4	0.01517	1.6026	0.176
Total LPAH (U=1/2; max ND)	2B	2	4	728	6923	2117	ug/kg	15	2	3	494	491	269	80	160.0	269.0	0.01156	0.67439	0.281
Total LPAH (U=1/2; max ND)	3A	32	136	1450.2	7911	6658	ug/kg	1769	7	8	276	201	146	50	50	146.2	0.00632	0.15562	0.03
Total LPAH (U=1/2; max ND)	3B	32	136	1450	8353	3840	ug/kg	1496	3	18	215	200	348	50	2000.0	348.4	0.00632	0.2394	0.0679
Total LPAH (U=1/2; max ND)	4A	267	267	4695	4695	4695	ug/kg	3204	1	11	201	201	6.26E+01	5.00E+01	50	62.6	0.01065	0.04281	0.013
Total LPAH (U=1/2; max ND)	4B	267	267	4695.49	4695	4695	ug/kg	5607	0	21			94	40	1000	94	0.00852	0.2130	0.0
Total LPAH (U=1/2; max ND)	I 1A	1	1	180.00	4625	2481	ug/kg	9	6	3	2354.15	772	1659	200	2000	1659	0.04324	11.11	2.62
Total LPAH (U=1/2; max ND)	I 1B	1	3	955.0	1592	1166	ug/kg	10	4	1	2359.04	2350.37	2284.32	2000	2000	2284.3	1.48212	2.3504	2.011
Total LPAH (U=1/2; max ND)	I 2A	47	47	1285.7	1286	1286	ug/kg	564	0	12			1.33E+02	40	400	133.3	0.03111	0.31111	0.10
Total LPAH (U=1/2; max ND)	I 2B	71	117	1213.8	9567	3355	ug/kg	688	0	8			285	40	2000	285.0	0.00418	1.647716	0.224
Total PAH (U=1/2; max ND)	1	12	55	2328.9	112791	13315	ug/kg	2042	11	66	1450	365	294	40	1000	293.5	0.00071	0.33482	0.069
Total PAH (U=1/2; max ND)	2A	32	136	2996.59	19498	9463	ug/kg	1302	6	11	1470	365	510	40	2000	510.3	0.00655	0.66742	0.108
Total PAH (U=1/2; max ND)	2B	2	4	3115	26937	7921	ug/kg	15	2	3	1094	1091	509	80	160.0	509.0	0.00297	0.35021	0.154
Total PAH (U=1/2; max ND)	3A	32	136	2872.5	18308	15257	ug/kg	1769	7	8	526	375	253	50	50	252.9	0.00273	0.15768	0.02
Total PAH (U=1/2; max ND)	3B	32	136	2872	19510	8371	ug/kg	1496	3	18	465	450	384	50	2000.0	384.1	0.00273	0.14992	0.0441
Total PAH (U=1/2; max ND)	4A	267	267	10748	10748	10748	ug/kg	3204	1	11	451	451	8.34E+01	5.00E+01	50	83.4	0.00465	0.04196	0.008
Total PAH (U=1/2; max ND)	4B	267	267	10747.58	10748	10748	ug/kg	5607	0	21			94	40	1000	94	0.00372	0.09304	0.0
Total PAH (U=1/2; max ND)	I 1A	1	1	180.00	71509	25673	ug/kg	9	6	3	5757.88	1172	3583	200	2000	3583	0.00280	11.111	4.31
Total PAH (U=1/2; max ND)	I 1B	1	3	955.0	8610	3251	ug/kg	10	4	1	5760.74	5707.71	4989.308	2000	2000	4989.3	0.66292	5.2210	2.42
Total PAH (U=1/2; max ND)	I 2A	47	47	2852.5	2852	2852	ug/kg	564	0	12			4.93E+02	40	4000	493.3	0.01402	1.40228	0.173
Total PAH (U=1/2; max ND)	I 2B	71	117	2918.64	21905	7532	ug/kg	688	0	8			285.0	40.0	2.00E+03	285	0.00183	0.67020719	0.09278
Total PCB Cong-209 (U=0, max RL)	1	1	14	13172.00	2911016	1417190	ng/kg	147	18	0	76500	15.9	37162.0			37161.99444	0.00001	5.8078	1.1786
Total PCB Cong-209 (U=0, max RL)	2A	2	28	61971.0	1285011	979251	ng/kg	86	4	0	79300	63400.0	71725.0			71725	0.04934	1.2796308	0.36030
Total PCB Cong-209 (U=0, max RL)	2B	1	1	79715.00	110770	95243	ng/kg	2	2	0	97700	42400.0	70050.0			70050	0.53189	0.882	0.707
Total PCB Cong-209 (U=0, max RL)	3A	28	28	1285010.86	1285011	1285011	ng/kg	84	3	0	299000	68300.0	221433.3			221433.3333	0.05315	0.232683	0.172320
Total PCB Cong-209 (U=0, max RL)	3B	2	28	49872.0	1285011	743126	ng/kg	104	6	0	103000	28000	59600.0			59600	0.03416	1.6662656	0.582822
Total PCB Cong-209 (U=0, max RL)	4A	37	37	1020216.68	1020217	1020217	ng/kg	111	3	0	246000	64600	184866.7			184866.6667	0.06332	0.241	0.181
Total PCB Cong-209 (U=0, max RL)	4B	37	37	1020216.7	1020217	1020217	ng/kg	148	4	0	98900	6310	48852.5			4.89E+04	0.00618	0.0969402	0.04788
Total PCB Cong-209 (U=0, max RL)	I 1A	1	1	114350.00	155335	134843	ng/kg	2	2	0	69600	35200	52400.0			52400	0.22661	0.6087	0.4176
Total PCB Cong-209 (U=0, max RL)	I 1B	1	4	278244.5	5228014	2049420	ng/kg	6	3	0	128000	53000	91700.0			91700	0.01800	0.4600271	0.186860
Total PCB Cong-209 (U=0, max RL)	I 2A	3	3	132099.00	132099	132099	ng/kg	6	2	0	22000	18500	20250.0			20250	0.14005	0.167	0.153
Total PCB Cong-209 (U=0, max RL)	I 2B	16	19	463488.9	561034	496004	ng/kg	51	3	0	105000	82400	91500.00			91500	0.14687	0.22654262	0.1871123
Total PCB Congs (U=1/2; max ND)	1	1	5	13179.88	545249	242214	ng/kg	54	18	0	76494.5	15966	38087.35			38087.35278	0.02928	5.8039	1.253
Total PCB Congs (U=1/2; max ND)	2A	2	10	61976.22	219276	179951	ng/kg	32	4	0	79346.5	63391.9	71725.2			71725.225	0.28910	1.280273	0.556704
Total PCB Congs (U=1/2; max ND)	2B	1	1	79739.80	110773	95256	ng/kg	2	2	0	97764.45	42457	70110.5			70110.475	0.53244	0.8825692	0.707504
Total PCB Congs (U=1/2; max ND)	3A	10	10	219276.23	219276	219276	ng/kg	30	3	0	298599.7	68373	221393.5			221393.4667	0.31181	1.3618	1.0097
Total PCB Congs (U=1/2; max ND)	3B	2	10	49878.00	219276	148415	ng/kg	38	6	0	103006.33	28082.8	59621.1			59621.09667	0.20012	1.666248	0.702549
Total PCB Congs (U=1/2; max ND)	4A	17	17	175847.8	175848	175848	ng/kg	51	3	0	246461.3	64595	184884.4			184884.35	0.36733	1.401560	1.051389
Total PCB Congs (U=1/2; max ND)	4B	17	17	175847.79	175848	175848	ng/kg	68	4	0	98941.3	6348	48912			48911.815	0.03610	0.5627	0.28
Total PCB Congs (U=1/2; max ND)	I 1A	1	1	114349.90	155335	134842	ng/kg	2	2	0	69601.744	35218	52410			52409.722	0.22672	0.609	0.42
Total PCB Congs (U=1/2; max ND)	I 1B	1	1	33430.20	642378	256181	ng/kg	3	3	0	94115.3365	9220	52123			52122.74467	0.08256	2.815	0.999
Total PCB Congs (U=1/2; max ND)	I 2A	3	3	132104.90	132105	132105	ng/kg	6	2	0	22086.05	18507	20297			20296.675	0.14010	0.167	0.15

Table 37-A
Summary of Calcasieu Estuary Database Sediment and Tissue Results used in BSAF Calculations

		Sediment Sample Summary							Tissue Sample Summary									BSAF Summary	
Chemical	Prey Group	Minimum Number Samples	Maximum Number Samples	Minimum Sediment Result	Maximum Sediment Result	Average Sediment Result	Units	Number of Samples	Number of Detects	Number of Non-detects	Maximum Detect	Minimum Detect	Average Detect	Minimum Non-detect	Maximum Non-detect	Average*	Minimum	Maximum	Average
Total PCB Congs (U=1/2; max ND)	I 2B	4	5	92872.41	100008	97629	ng/kg	13	3	0	105352.1	82408	91624			91623.71667	0.87104	1.053	0.94
Total PCBs (U=0, max RL)	1	11	35	107.0	2786	846	ug/kg	1652	68	10	820	12	140	5	5.00E+00	140.1794872	0.01195	1.727	0.40
Total PCBs (U=0, max RL)	2A	33	88	170.4	1343	820	ug/kg	1017	10	8	80	44	39	5	5.00E+01	39.16666667	0.00372	0.3797	0.101
Total PCBs (U=0, max RL)	2B	2	3	147.50	356	200	ug/kg	17	6	0	290	65	176			175.5	0.44068	1.331	0.877
Total PCBs (U=0, max RL)	3A	33	88	146.94	1343	313	ug/kg	1253	16	0	3900	173	901			900.6875	0.22691	22.7813	5.03
Total PCBs (U=0, max RL)	3B	33	88	146.94	1343	717	ug/kg	1236	18	5	500	43	140	5	5.00E+01	139.9565217	0.00386	3.403	0.597
Total PCBs (U=0, max RL)	4A	212	212	342.14	342	342	ug/kg	2332	11	0	4300	610	1920			1920	1.78289	12.568	5.61
Total PCBs (U=0, max RL)	4B	212	212	342.1	342	342	ug/kg	4452	16	5	910	12	120.8	5	50.00	120.76	0.01461	2.6597	0.35
Total PCBs (U=0, max RL)	I 1A	1	1	13.0	200	63	ug/kg	9	6	3	105	18.0	41.8	5.0	50.0	41.78	0.15000	8.07692	2.200
Total PCBs (U=0, max RL)	I 1B	1	3	47.00	278	156	ug/kg	10	4	1	69	37	55.0	50	50	55	0.18018	0.787	0.47
Total PCBs (U=0, max RL)	I 2A	47	47	226.5	227	227	ug/kg	611	10	3	82	20	33	5	50	33.23076923	0.02208	0.362	0.1
Total PCBs (U=0, max RL)	I 2B	43	87	143.1	191	155	ug/kg	459	7	1	330	13	144.9	50	50	144.88	0.06809	2.30660	0.98
Total PCBs (U=1/2; max ND)	1	11	35	297	3004	1079	ug/kg	1652	68	10	919	12	174	10	1.00E+01	173.5128205	0.01148	0.81	0.2
Total PCBs (U=1/2; max ND)	2A	33	88	397	1596	1063	ug/kg	1017	10	8	110	74	60.6	10	100	60.56	0.00626	0.2394	0.08
Total PCBs (U=1/2; max ND)	2B	2	3	295.00	712.0	406	ug/kg	17	6	0	315	90	200.5			200.50	0.30508	0.712	0.50
Total PCBs (U=1/2; max ND)	3A	33	88	331.27	1596.3	538	ug/kg	1253	16	0	3925	198.0	995.7			995.7	0.20854	9.892	2.419
Total PCBs (U=1/2; max ND)	3B	33	88	331.3	1596	865	ug/kg	1533	18	9	500	68.0	185.7	10.0	240.0	185.70	0.00654	1.5093	0.383
Total PCBs (U=1/2; max ND)	4A	212	212	571.9	572	572	ug/kg	2332	11	0	4325	640	1981.8			1981.8	1.11908	7.5625	3.47
Total PCBs (U=1/2; max ND)	4B	212	212	571.9	572	572	ug/kg	9540	18	27	935	42	105.5	10	240.00	105.48	0.01749	1.6349	0.182
Total PCBs (U=1/2; max ND)	I 1A	1	1	30.0	523	222	ug/kg	9	6	3	230	84	124.0	10.0	100.0	124.00	0.29665	2.80000	0.855
Total PCBs (U=1/2; max ND)	I 1B	1	3	210.00	555	362	ug/kg	10	4	1	194	162	165.0	100	100	165	0.18018	0.924	0.543
Total PCBs (U=1/2; max ND)	I 2A	47	47	500.7	501	501	ug/kg	611	10	3	382	50	85	10	1.00E+02	85.15384615	0.01997	0.763	0.17
Total PCBs (U=1/2; max ND)	I 2B	43	87	332.9	433	376	ug/kg	459	7	1	360	43	177.4	100	100	177.38	0.09950	1.08143	0.49
Zinc	1	12	51	96	276	158	mg/kg	2017	78	0	188	19	36			35.61923077	0.11083	0.68	0.24
Zinc	2A	32	132	125	180	140	mg/kg	1434	18	1	37.8	19	24.0			24.03	0.13157	0.2097	0.17
Zinc	2B	2	4	78.50	196.6	125	mg/kg	19	6	0	24.1	16	18.7			18.73	0.08798	0.273	0.17
Zinc	3A	32	132	91.20	144	129	mg/kg	1850	16	0	22.2	9	18			18.0	0.06914	0.169	0.140
Zinc	3B	32	132	91.2	144	127	mg/kg	1654	23	0	20.1	9	14.7			14.66	0.07117	0.2039	0.118
Zinc	4A	262	262	150.5	150	150	mg/kg	3144	12	0	23.5	7	16.3			16.3	0.04852	0.1562	0.11
Zinc	4B	262	262	150.5	150.5	150	mg/kg	5502	21	0	19.9	3	8.3			8.338095238	0.02060	0.132	0.055
Zinc	I 1A	1	1	20.3	329	152	mg/kg	9	4	5	8.5	4.4	4.9	3.3	4.85E+00	4.916666667	0.01337	0.239	0.082
Zinc	I 1B	1	3	61.30	335.0	187	mg/kg	10	1	4	6.8	6.8	8.9	9.0	1.00E+01	8.86	0.02687	0.1631	0.067
Zinc	I 2A	47	47	222	221.7	222	mg/kg	611	13	0	14.8	10.0	11.98			1.20E+01	0.04510	0.0667	0.054
Zinc	I 2B	69	113	91.2	164.7	115	mg/kg	668	8	0	36.2	22.2	30.71			30.71	0.13479	0.3969	0.286

* Average includes non-detects at 1/2 detection limit

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	4	3	1	214	ng/kg	0.288	ng/kg	N	0.00134
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	4	3	1	214	ng/kg	0.231	ng/kg	N	0.00108
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	4	3	1	214	ng/kg	0.195	ng/kg	N	0.000909
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	9	8	1	237	ng/kg	0.171	ng/kg	N	0.000719
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	3	3	0	227	ng/kg	0.319	ng/kg	N	0.00140
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	3	3	0	227	ng/kg	0.417	ng/kg	N	0.00183
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	3	3	0	227	ng/kg	0.555	ng/kg	N	0.00244
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,4,6,7,8-HpCDD	4B	72	70	2	337	ng/kg	0.138	ng/kg	N	0.000408
BIST006	MB012F0607	Spot	Whole Body	1,2,3,4,6,7,8-HpCDD	2B	1	1	0	318	ng/kg	0.759	ng/kg	Y	0.00239
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDD	2A	7	7	0	334	ng/kg	4.71	ng/kg	Y	0.0141
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	7	7	0	334	ng/kg	0.211	ng/kg	N	0.000630
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,4,6,7,8-HpCDD	I 2A	12	12	0	357	ng/kg	1.20	ng/kg	Y	0.00336
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,4,6,7,8-HpCDD	I 2A	12	12	0	357	ng/kg	1.31	ng/kg	Y	0.00367
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	12	12	0	583	ng/kg	0.228	ng/kg	N	0.000391
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	12	12	0	583	ng/kg	0.246	ng/kg	N	0.000421
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	12	12	0	583	ng/kg	0.264	ng/kg	N	0.000453
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDD	2A	40	40	0	388	ng/kg	5.04	ng/kg	Y	0.0130
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDD	2A	40	40	0	388	ng/kg	5.12	ng/kg	Y	0.0132
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDD	2A	40	40	0	388	ng/kg	5.29	ng/kg	Y	0.0136
BIST015	LB032F1504	Spot	Whole Body	1,2,3,4,6,7,8-HpCDD	2B	1	1	0	1400	ng/kg	0.535	ng/kg	Y	0.000382
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	40	40	0	388	ng/kg	0.197	ng/kg	N	0.000508
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	40	40	0	388	ng/kg	0.177	ng/kg	N	0.000455
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,4,6,7,8-HpCDD	4B	72	70	2	337	ng/kg	0.207	ng/kg	N	0.000613
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,4,6,7,8-HpCDD	3A	40	40	0	388	ng/kg	0.337	ng/kg	N	0.000870
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,4,6,7,8-HpCDD	3A	40	40	0	388	ng/kg	0.575	ng/kg	N	0.00148
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	40	40	0	388	ng/kg	2.19	ng/kg	N	0.00565
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,4,6,7,8-HpCDD	3A	40	40	0	388	ng/kg	0.855	ng/kg	N	0.00221
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,4,6,7,8-HpCDD	I 1A	1	1	0	180	ng/kg	1.78	ng/kg	Y	0.00989
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	17	17	0	272	ng/kg	0.227	ng/kg	N	0.000836
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	17	17	0	272	ng/kg	0.283	ng/kg	N	0.00104
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	17	17	0	272	ng/kg	0.184	ng/kg	N	0.000677
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,4,6,7,8-HpCDD	4B	72	70	2	337	ng/kg	0.181	ng/kg	N	0.000536
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,4,6,7,8-HpCDD	4A	72	70	2	337	ng/kg	2.93	ng/kg	Y	0.00870
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,4,6,7,8-HpCDD	4A	72	70	2	337	ng/kg	4.76	ng/kg	Y	0.0141
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDD	4B	72	70	2	337	ng/kg	0.283	ng/kg	N	0.000841
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,4,6,7,8-HpCDD	4A	72	70	2	337	ng/kg	12.7	ng/kg	Y	0.0377
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	22	22	0	242	ng/kg	0.319	ng/kg	N	0.00132
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	16	16	0	483	ng/kg	0.347	ng/kg	N	0.000719
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	16	16	0	483	ng/kg	1.13	ng/kg	Y	0.00234
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	16	16	0	483	ng/kg	0.485	ng/kg	N	0.00101
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	15	15	0	603	ng/kg	0.481	ng/kg	N	0.000797
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	15	15	0	603	ng/kg	1.49	ng/kg	Y	0.00247
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDD	1	15	15	0	603	ng/kg	1.38	ng/kg	Y	0.00229
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,4,6,7,8-HpCDD	I 2B	22	22	0	240	ng/kg	1.01	ng/kg	Y	0.00422
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,4,6,7,8-HpCDD	I 2B	22	22	0	240	ng/kg	0.763	ng/kg	Y	0.00318
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,4,6,7,8-HpCDD	I 2B	26	26	0	253	ng/kg	0.413	ng/kg	N	0.00163
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,4,6,7,8-HpCDD	3B	42	42	0	366	ng/kg	0.700	ng/kg	N	0.00192
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,4,6,7,8-HpCDD	I 1A	1	1	0	680	ng/kg	13.0	ng/kg	Y	0.0191
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,4,6,7,8-HpCDD	I 1A	1	1	0	205	ng/kg	2.00	ng/kg	Y	0.00976
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,4,6,7,8-HpCDD	I 1B	1	1	0	260	ng/kg	2.69	ng/kg	Y	0.0103

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,4,6,7,8-HpCDD	I 1B	1	1	0	1290	ng/kg	5.99	ng/kg	Y	0.00464
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,4,6,7,8-HpCDD	I 1B	5	5	0	260	ng/kg	8.55	ng/kg	Y	0.0329
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	4	4	0	485	ng/kg	0.615	ng/kg	N	0.00127
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	4	4	0	485	ng/kg	0.0998	ng/kg	Y	0.000206
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	4	4	0	485	ng/kg	0.0793	ng/kg	Y	0.000164
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	3	3	0	148	ng/kg	4.02	ng/kg	Y	0.0272
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	9	9	0	343	ng/kg	13.4	ng/kg	Y	0.0390
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	3	3	0	148	ng/kg	2.08	ng/kg	Y	0.0141
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	3	3	0	148	ng/kg	0.411	ng/kg	N	0.00278
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,4,6,7,8-HpCDF	4B	72	70	2	2830	ng/kg	29.6	ng/kg	Y	0.0105
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDF	2A	7	7	0	263	ng/kg	92.2	ng/kg	Y	0.350
BIST006	MB012F0607	Spot	Whole Body	1,2,3,4,6,7,8-HpCDF	2B	1	1	0	279	ng/kg	4.93	ng/kg	Y	0.0177
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	7	7	0	263	ng/kg	3.97	ng/kg	Y	0.0151
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,4,6,7,8-HpCDF	I 2A	12	12	0	345	ng/kg	2.61	ng/kg	Y	0.00756
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,4,6,7,8-HpCDF	I 2A	12	12	0	345	ng/kg	2.52	ng/kg	Y	0.00730
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	12	12	0	8360	ng/kg	1.24	ng/kg	Y	0.000148
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	12	12	0	8360	ng/kg	3.35	ng/kg	Y	0.000401
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	12	12	0	8360	ng/kg	1.38	ng/kg	Y	0.000165
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDF	2A	40	39	1	4640	ng/kg	50.3	ng/kg	Y	0.0108
BIST015	LB032F1504	Spot	Whole Body	1,2,3,4,6,7,8-HpCDF	2B	1	1	0	7600	ng/kg	17.2	ng/kg	Y	0.00226
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDF	2A	40	39	1	4640	ng/kg	49.9	ng/kg	Y	0.0107
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,4,6,7,8-HpCDF	2A	40	39	1	4640	ng/kg	57.0	ng/kg	Y	0.0123
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,4,6,7,8-HpCDF	3A	40	39	1	4640	ng/kg	158	ng/kg	Y	0.0340
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	40	39	1	4640	ng/kg	8.51	ng/kg	Y	0.00183
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	40	39	1	4640	ng/kg	38.6	ng/kg	Y	0.00831
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,4,6,7,8-HpCDF	3A	40	39	1	4640	ng/kg	108	ng/kg	Y	0.0233
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,4,6,7,8-HpCDF	4B	72	70	2	2830	ng/kg	22.5	ng/kg	Y	0.00796
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	40	39	1	4640	ng/kg	3.71	ng/kg	Y	0.000799
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,4,6,7,8-HpCDF	3A	40	39	1	4640	ng/kg	237	ng/kg	Y	0.0510
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,4,6,7,8-HpCDF	I 1A	1	1	0	450	ng/kg	2.27	ng/kg	Y	0.00504
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	17	17	0	3840	ng/kg	1.29	ng/kg	Y	0.000336
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	17	17	0	3840	ng/kg	0.723	ng/kg	Y	0.000188
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	17	17	0	3840	ng/kg	1.67	ng/kg	Y	0.000435
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,4,6,7,8-HpCDF	4B	72	70	2	2830	ng/kg	6.81	ng/kg	Y	0.00241
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,4,6,7,8-HpCDF	4A	72	70	2	2830	ng/kg	5.98	ng/kg	Y	0.00212
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	22	21	1	2720	ng/kg	24.9	ng/kg	Y	0.00917
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,4,6,7,8-HpCDF	4A	72	70	2	2830	ng/kg	0.378	ng/kg	Y	0.000134
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,4,6,7,8-HpCDF	4A	72	70	2	2830	ng/kg	88.3	ng/kg	Y	0.0312
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,4,6,7,8-HpCDF	4B	72	70	2	2830	ng/kg	40.8	ng/kg	Y	0.0144
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	16	16	0	7390	ng/kg	5.31	ng/kg	Y	0.000719
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	16	16	0	7390	ng/kg	5.83	ng/kg	Y	0.000789
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	16	16	0	7390	ng/kg	3.02	ng/kg	Y	0.000409
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	15	15	0	8340	ng/kg	9.04	ng/kg	Y	0.00108
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	15	15	0	8340	ng/kg	9.51	ng/kg	Y	0.00114
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,4,6,7,8-HpCDF	1	15	15	0	8340	ng/kg	2.43	ng/kg	Y	0.000291
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,4,6,7,8-HpCDF	I 2B	22	21	1	2720	ng/kg	2.54	ng/kg	Y	0.000934
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,4,6,7,8-HpCDF	I 2B	22	21	1	2720	ng/kg	5.48	ng/kg	Y	0.00202
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,4,6,7,8-HpCDF	I 2B	26	25	1	3040	ng/kg	3.77	ng/kg	Y	0.00124
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,4,6,7,8-HpCDF	3B	42	41	1	4510	ng/kg	0.310	ng/kg	N	0.0000688
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,4,6,7,8-HpCDF	I 1A	1	1	0	12000	ng/kg	35.0	ng/kg	Y	0.00292

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,4,6,7,8-HpCDF	I 1A	1	1	0	1740	ng/kg	3.88	ng/kg	Y	0.00223
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,4,6,7,8-HpCDF	I 1B	1	1	0	720	ng/kg	10.6	ng/kg	Y	0.0147
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,4,6,7,8-HpCDF	I 1B	1	1	0	31300	ng/kg	23.2	ng/kg	Y	0.000741
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,4,6,7,8-HpCDF	I 1B	5	5	0	3980	ng/kg	439	ng/kg	Y	0.110
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	4	3	1	17.5	ng/kg	0.0195	ng/kg	N	0.00111
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	4	3	1	17.5	ng/kg	0.119	ng/kg	N	0.00678
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	4	3	1	17.5	ng/kg	0.0239	ng/kg	N	0.00136
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	9	8	1	15.7	ng/kg	0.0376	ng/kg	N	0.00240
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	3	3	0	18.3	ng/kg	0.0685	ng/kg	N	0.00374
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	3	3	0	18.3	ng/kg	0.0229	ng/kg	N	0.00125
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	3	3	0	18.3	ng/kg	0.0361	ng/kg	N	0.00197
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	7	7	0	20.0	ng/kg	0.0409	ng/kg	N	0.00205
BIST006	MB012F0607	Spot	Whole Body	1,2,3,4,7,8,9-HpCDF	2B	1	1	0	9.81	ng/kg	0.133	ng/kg	N	0.0135
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,4,7,8,9-HpCDF	2A	7	7	0	20.0	ng/kg	1.36	ng/kg	Y	0.0681
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,4,7,8,9-HpCDF	4B	72	69	3	641	ng/kg	0.128	ng/kg	N	0.000200
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,4,7,8,9-HpCDF	I 2A	12	11	1	40.5	ng/kg	0.170	ng/kg	N	0.00419
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,4,7,8,9-HpCDF	I 2A	12	11	1	40.5	ng/kg	0.170	ng/kg	N	0.00419
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	12	12	0	2080	ng/kg	0.907	ng/kg	Y	0.000436
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	12	12	0	2080	ng/kg	0.0795	ng/kg	N	0.0000382
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	12	12	0	2080	ng/kg	0.0845	ng/kg	N	0.0000406
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,4,7,8,9-HpCDF	2A	40	40	0	1080	ng/kg	5.33	ng/kg	Y	0.00494
BIST015	LB032F1504	Spot	Whole Body	1,2,3,4,7,8,9-HpCDF	2B	1	1	0	1400	ng/kg	1.00	ng/kg	Y	0.000714
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,4,7,8,9-HpCDF	2A	40	40	0	1080	ng/kg	6.10	ng/kg	Y	0.00566
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,4,7,8,9-HpCDF	2A	40	40	0	1080	ng/kg	5.22	ng/kg	Y	0.00484
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,4,7,8,9-HpCDF	3A	40	40	0	1080	ng/kg	0.555	ng/kg	N	0.000515
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	40	40	0	1080	ng/kg	0.132	ng/kg	N	0.000122
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,4,7,8,9-HpCDF	3A	40	40	0	1080	ng/kg	1.70	ng/kg	Y	0.00158
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	40	40	0	1080	ng/kg	0.0795	ng/kg	N	0.0000737
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,4,7,8,9-HpCDF	3A	40	40	0	1080	ng/kg	0.347	ng/kg	N	0.000321
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	40	40	0	1080	ng/kg	1.69	ng/kg	N	0.00156
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,4,7,8,9-HpCDF	4B	72	69	3	641	ng/kg	0.106	ng/kg	N	0.000165
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,4,7,8,9-HpCDF	I 1A	1	1	0	90.0	ng/kg	0.170	ng/kg	N	0.00188
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	17	17	0	825	ng/kg	0.134	ng/kg	N	0.000163
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	17	17	0	825	ng/kg	0.191	ng/kg	N	0.000231
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	17	17	0	825	ng/kg	0.0560	ng/kg	N	0.0000679
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,4,7,8,9-HpCDF	4B	72	69	3	641	ng/kg	0.0715	ng/kg	N	0.000112
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,4,7,8,9-HpCDF	4A	72	69	3	641	ng/kg	1.68	ng/kg	Y	0.00262
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,4,7,8,9-HpCDF	4A	72	69	3	641	ng/kg	0.0700	ng/kg	N	0.000109
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	22	22	0	576	ng/kg	0.318	ng/kg	N	0.000552
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,4,7,8,9-HpCDF	4B	72	69	3	641	ng/kg	0.146	ng/kg	N	0.000228
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,4,7,8,9-HpCDF	4A	72	69	3	641	ng/kg	0.600	ng/kg	N	0.000936
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	16	16	0	1810	ng/kg	0.198	ng/kg	N	0.000109
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	16	16	0	1810	ng/kg	0.190	ng/kg	N	0.000105
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	16	16	0	1810	ng/kg	0.646	ng/kg	Y	0.000356
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	15	15	0	2020	ng/kg	1.06	ng/kg	Y	0.000526
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	15	15	0	2020	ng/kg	0.273	ng/kg	N	0.000135
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,4,7,8,9-HpCDF	1	15	15	0	2020	ng/kg	0.768	ng/kg	Y	0.000381
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,4,7,8,9-HpCDF	I 2B	22	22	0	578	ng/kg	0.184	ng/kg	N	0.000319
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,4,7,8,9-HpCDF	I 2B	22	22	0	578	ng/kg	0.185	ng/kg	N	0.000319
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,4,7,8,9-HpCDF	I 2B	26	26	0	652	ng/kg	0.263	ng/kg	N	0.000403

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,4,7,8,9-HpCDF	3B	42	42	0	1040	ng/kg	0.205	ng/kg	N	0.000196
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,4,7,8,9-HpCDF	I 1A	1	1	0	2400	ng/kg	8.80	ng/kg	Y	0.00367
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,4,7,8,9-HpCDF	I 1A	1	1	0	427	ng/kg	0.790	ng/kg	Y	0.00185
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8,9-HpCDF	I 1B	1	1	0	120	ng/kg	1.50	ng/kg	Y	0.0125
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8,9-HpCDF	I 1B	1	1	0	6470	ng/kg	3.86	ng/kg	Y	0.000597
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8,9-HpCDF	I 1B	5	5	0	827	ng/kg	207	ng/kg	Y	0.250
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	4	1	3	5.44	ng/kg	0.0820	ng/kg	N	0.0151
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	4	1	3	5.44	ng/kg	0.0373	ng/kg	N	0.00686
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	4	1	3	5.44	ng/kg	0.0660	ng/kg	N	0.0121
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	3	0	3	1.27	ng/kg	0.0468	ng/kg	N	0.0369
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	3	0	3	1.27	ng/kg	0.0421	ng/kg	N	0.0332
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	3	0	3	1.27	ng/kg	0.152	ng/kg	Y	0.120
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDD	3B	9	2	7	3.77	ng/kg	0.0640	ng/kg	N	0.0170
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDD	2A	7	1	6	2.48	ng/kg	0.122	ng/kg	N	0.0489
BIST006	MB012F0607	Spot	Whole Body	1,2,3,4,7,8-HxCDD	2B	1	1	0	5.84	ng/kg	0.0925	ng/kg	N	0.0158
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,4,7,8-HxCDD	4B	72	42	30	14.9	ng/kg	0.192	ng/kg	N	0.0128
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,4,7,8-HxCDD	3B	7	1	6	2.48	ng/kg	0.0580	ng/kg	N	0.0233
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,4,7,8-HxCDD	I 2A	12	5	7	5.15	ng/kg	0.102	ng/kg	N	0.0197
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,4,7,8-HxCDD	I 2A	12	5	7	5.15	ng/kg	0.0600	ng/kg	N	0.0117
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	12	9	3	34.3	ng/kg	0.0625	ng/kg	N	0.00182
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	12	9	3	34.3	ng/kg	0.0765	ng/kg	N	0.00223
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	12	9	3	34.3	ng/kg	0.0765	ng/kg	N	0.00223
BIST015	LB032F1504	Spot	Whole Body	1,2,3,4,7,8-HxCDD	2B	1	1	0	110	ng/kg	0.0795	ng/kg	N	0.000723
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDD	2A	40	30	10	22.0	ng/kg	0.258	ng/kg	N	0.0117
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDD	2A	40	30	10	22.0	ng/kg	0.188	ng/kg	N	0.00850
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDD	2A	40	30	10	22.0	ng/kg	0.196	ng/kg	N	0.00889
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,4,7,8-HxCDD	3B	40	30	10	22.0	ng/kg	1.02	ng/kg	N	0.0463
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,4,7,8-HxCDD	3A	40	30	10	22.0	ng/kg	0.310	ng/kg	N	0.0141
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,4,7,8-HxCDD	3A	40	30	10	22.0	ng/kg	0.260	ng/kg	N	0.0118
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDD	3B	40	30	10	22.0	ng/kg	0.0680	ng/kg	N	0.00308
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,4,7,8-HxCDD	4B	72	42	30	14.9	ng/kg	0.0665	ng/kg	N	0.00445
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,4,7,8-HxCDD	3A	40	30	10	22.0	ng/kg	0.273	ng/kg	N	0.0124
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDD	3B	40	30	10	22.0	ng/kg	0.0448	ng/kg	N	0.00203
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,4,7,8-HxCDD	I 1A	1	0	1	3.35	ng/kg	0.255	ng/kg	Y	0.0761
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	17	14	3	16.0	ng/kg	0.0550	ng/kg	N	0.00345
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	17	14	3	16.0	ng/kg	0.0840	ng/kg	N	0.00527
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	17	14	3	16.0	ng/kg	0.0890	ng/kg	N	0.00558
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDD	4B	72	42	30	14.9	ng/kg	0.148	ng/kg	N	0.00988
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,4,7,8-HxCDD	3B	22	16	6	12.2	ng/kg	0.200	ng/kg	N	0.0164
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,4,7,8-HxCDD	4A	72	42	30	14.9	ng/kg	0.790	ng/kg	N	0.0529
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,4,7,8-HxCDD	4A	72	42	30	14.9	ng/kg	0.458	ng/kg	Y	0.0307
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,4,7,8-HxCDD	4B	72	42	30	14.9	ng/kg	0.0855	ng/kg	N	0.00573
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,4,7,8-HxCDD	4A	72	42	30	14.9	ng/kg	0.845	ng/kg	N	0.0566
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	16	13	3	29.6	ng/kg	0.171	ng/kg	N	0.00576
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	16	13	3	29.6	ng/kg	0.0860	ng/kg	N	0.00291
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	16	13	3	29.6	ng/kg	0.0990	ng/kg	N	0.00335
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	15	12	3	38.6	ng/kg	0.0885	ng/kg	N	0.00229
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	15	12	3	38.6	ng/kg	0.106	ng/kg	N	0.00273
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDD	1	15	12	3	38.6	ng/kg	0.149	ng/kg	N	0.00385
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,4,7,8-HxCDD	I 2B	22	17	5	12.3	ng/kg	0.366	ng/kg	N	0.0298

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,4,7,8-HxCDD	I 2B	22	17	5	12.3	ng/kg	0.397	ng/kg	N	0.0323
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,4,7,8-HxCDD	I 2B	26	20	6	13.0	ng/kg	0.226	ng/kg	N	0.0174
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,4,7,8-HxCDD	3B	42	32	10	20.9	ng/kg	0.485	ng/kg	N	0.0232
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,4,7,8-HxCDD	I 1A	1	1	0	57.0	ng/kg	0.550	ng/kg	N	0.00965
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,4,7,8-HxCDD	I 1A	1	1	0	9.13	ng/kg	0.110	ng/kg	Y	0.0120
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8-HxCDD	I 1B	1	0	1	4.10	ng/kg	0.260	ng/kg	Y	0.0634
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8-HxCDD	I 1B	1	1	0	104	ng/kg	0.410	ng/kg	Y	0.00394
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8-HxCDD	I 1B	5	5	0	18.3	ng/kg	0.390	ng/kg	Y	0.0214
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	4	3	1	27.7	ng/kg	0.0478	ng/kg	N	0.00173
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	4	3	1	27.7	ng/kg	0.0660	ng/kg	N	0.00238
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	4	3	1	27.7	ng/kg	0.101	ng/kg	N	0.00363
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	3	3	0	32.4	ng/kg	0.0950	ng/kg	N	0.00293
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	3	3	0	32.4	ng/kg	0.170	ng/kg	N	0.00525
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	3	3	0	32.4	ng/kg	0.0795	ng/kg	N	0.00246
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDF	3B	9	8	1	27.2	ng/kg	1.67	ng/kg	Y	0.0613
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDF	2A	7	7	0	35.3	ng/kg	4.87	ng/kg	Y	0.138
BIST006	MB012F0607	Spot	Whole Body	1,2,3,4,7,8-HxCDF	2B	1	1	0	31.3	ng/kg	3.58	ng/kg	Y	0.114
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,4,7,8-HxCDF	3B	7	7	0	35.3	ng/kg	0.682	ng/kg	Y	0.0193
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,4,7,8-HxCDF	4B	72	68	4	1020	ng/kg	0.605	ng/kg	Y	0.000593
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,4,7,8-HxCDF	I 2A	12	12	0	88.7	ng/kg	1.58	ng/kg	Y	0.0178
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,4,7,8-HxCDF	I 2A	12	12	0	88.7	ng/kg	1.88	ng/kg	Y	0.0212
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	12	12	0	3210	ng/kg	1.24	ng/kg	Y	0.000386
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	12	12	0	3210	ng/kg	2.95	ng/kg	Y	0.000918
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	12	12	0	3210	ng/kg	1.90	ng/kg	Y	0.000591
BIST015	LB032F1504	Spot	Whole Body	1,2,3,4,7,8-HxCDF	2B	1	1	0	3000	ng/kg	4.68	ng/kg	Y	0.00156
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDF	2A	40	38	2	1700	ng/kg	15.9	ng/kg	Y	0.00936
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDF	2A	40	38	2	1700	ng/kg	14.7	ng/kg	Y	0.00865
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,4,7,8-HxCDF	2A	40	38	2	1700	ng/kg	17.3	ng/kg	Y	0.0102
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,4,7,8-HxCDF	3A	40	38	2	1700	ng/kg	13.1	ng/kg	Y	0.00771
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,4,7,8-HxCDF	3A	40	38	2	1700	ng/kg	13.5	ng/kg	Y	0.00795
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDF	3B	40	38	2	1700	ng/kg	2.46	ng/kg	Y	0.00145
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,4,7,8-HxCDF	3A	40	38	2	1700	ng/kg	3.73	ng/kg	Y	0.00220
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,4,7,8-HxCDF	4B	72	68	4	1020	ng/kg	0.651	ng/kg	Y	0.000639
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,4,7,8-HxCDF	3B	40	38	2	1700	ng/kg	0.301	ng/kg	N	0.000177
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDF	3B	40	38	2	1700	ng/kg	1.82	ng/kg	Y	0.00107
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,4,7,8-HxCDF	I 1A	1	1	0	190	ng/kg	1.52	ng/kg	Y	0.00800
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	17	16	1	1230	ng/kg	0.829	ng/kg	Y	0.000672
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	17	16	1	1230	ng/kg	0.925	ng/kg	Y	0.000749
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	17	16	1	1230	ng/kg	0.798	ng/kg	Y	0.000646
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,4,7,8-HxCDF	4B	72	68	4	1020	ng/kg	1.19	ng/kg	Y	0.00117
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,4,7,8-HxCDF	4A	72	68	4	1020	ng/kg	26.5	ng/kg	Y	0.0260
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,4,7,8-HxCDF	4A	72	68	4	1020	ng/kg	20.2	ng/kg	Y	0.0198
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,4,7,8-HxCDF	3B	22	20	2	875	ng/kg	0.916	ng/kg	Y	0.00105
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,4,7,8-HxCDF	4A	72	68	4	1020	ng/kg	1.24	ng/kg	Y	0.00122
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,4,7,8-HxCDF	4B	72	68	4	1020	ng/kg	0.0205	ng/kg	N	0.0000201
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	16	16	0	2800	ng/kg	3.28	ng/kg	Y	0.00117
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	16	16	0	2800	ng/kg	3.14	ng/kg	Y	0.00112
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	16	16	0	2800	ng/kg	4.85	ng/kg	Y	0.00174
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	15	15	0	3160	ng/kg	5.53	ng/kg	Y	0.00175
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	15	15	0	3160	ng/kg	7.23	ng/kg	Y	0.00229

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,4,7,8-HxCDF	1	15	15	0	3160	ng/kg	4.80	ng/kg	Y	0.00152
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,4,7,8-HxCDF	I 2B	22	20	2	879	ng/kg	12.7	ng/kg	Y	0.0145
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,4,7,8-HxCDF	I 2B	22	20	2	879	ng/kg	14.0	ng/kg	Y	0.0159
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,4,7,8-HxCDF	I 2B	26	24	2	1000	ng/kg	10.9	ng/kg	Y	0.0109
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,4,7,8-HxCDF	3B	42	40	2	1630	ng/kg	6.40	ng/kg	Y	0.00392
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,4,7,8-HxCDF	I 1A	1	1	0	3000	ng/kg	36.0	ng/kg	Y	0.0120
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,4,7,8-HxCDF	I 1A	1	1	0	734	ng/kg	2.18	ng/kg	Y	0.00297
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8-HxCDF	I 1B	1	1	0	250	ng/kg	14.4	ng/kg	Y	0.0576
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8-HxCDF	I 1B	1	1	0	8990	ng/kg	16.8	ng/kg	Y	0.00187
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,4,7,8-HxCDF	I 1B	5	4	1	1120	ng/kg	590	ng/kg	Y	0.528
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	4	3	1	14.2	ng/kg	0.195	ng/kg	Y	0.0137
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	4	3	1	14.2	ng/kg	0.0795	ng/kg	N	0.00560
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	4	3	1	14.2	ng/kg	0.0950	ng/kg	N	0.00669
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	3	3	0	11.0	ng/kg	0.165	ng/kg	Y	0.0150
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDD	3B	9	8	1	15.6	ng/kg	0.406	ng/kg	Y	0.0260
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	3	3	0	11.0	ng/kg	0.342	ng/kg	Y	0.0310
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	3	3	0	11.0	ng/kg	0.178	ng/kg	Y	0.0161
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDD	2A	7	7	0	21.8	ng/kg	0.708	ng/kg	Y	0.0325
BIST006	MB012F0607	Spot	Whole Body	1,2,3,6,7,8-HxCDD	2B	1	1	0	24.0	ng/kg	0.590	ng/kg	Y	0.0246
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,6,7,8-HxCDD	4B	72	61	11	25.1	ng/kg	0.211	ng/kg	N	0.00838
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,6,7,8-HxCDD	3B	7	7	0	21.8	ng/kg	0.293	ng/kg	Y	0.0134
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,6,7,8-HxCDD	I 2A	12	10	2	33.3	ng/kg	0.122	ng/kg	N	0.00367
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,6,7,8-HxCDD	I 2A	12	10	2	33.3	ng/kg	0.222	ng/kg	Y	0.00668
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	12	12	0	48.7	ng/kg	0.0780	ng/kg	N	0.00160
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	12	12	0	48.7	ng/kg	0.0905	ng/kg	N	0.00186
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	12	12	0	48.7	ng/kg	0.0860	ng/kg	N	0.00177
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDD	2A	40	34	6	27.6	ng/kg	0.788	ng/kg	Y	0.0285
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDD	2A	40	34	6	27.6	ng/kg	0.869	ng/kg	Y	0.0315
BIST015	LB032F1504	Spot	Whole Body	1,2,3,6,7,8-HxCDD	2B	1	1	0	83.0	ng/kg	0.278	ng/kg	Y	0.00335
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDD	2A	40	34	6	27.6	ng/kg	0.828	ng/kg	Y	0.0300
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDD	3B	40	34	6	27.6	ng/kg	0.234	ng/kg	Y	0.00847
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDD	3B	40	34	6	27.6	ng/kg	0.161	ng/kg	Y	0.00583
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,6,7,8-HxCDD	3A	40	34	6	27.6	ng/kg	0.313	ng/kg	N	0.0113
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,6,7,8-HxCDD	3A	40	34	6	27.6	ng/kg	0.935	ng/kg	Y	0.0338
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,6,7,8-HxCDD	4B	72	61	11	25.1	ng/kg	0.0825	ng/kg	N	0.00328
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,6,7,8-HxCDD	3B	40	34	6	27.6	ng/kg	1.19	ng/kg	N	0.0429
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,6,7,8-HxCDD	3A	40	34	6	27.6	ng/kg	0.759	ng/kg	Y	0.0275
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,6,7,8-HxCDD	I 1A	1	0	1	4.95	ng/kg	0.619	ng/kg	Y	0.125
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	17	14	3	18.1	ng/kg	0.108	ng/kg	N	0.00596
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	17	14	3	18.1	ng/kg	0.0655	ng/kg	N	0.00361
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	17	14	3	18.1	ng/kg	0.101	ng/kg	N	0.00555
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,6,7,8-HxCDD	4A	72	61	11	25.1	ng/kg	3.00	ng/kg	Y	0.119
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDD	4B	72	61	11	25.1	ng/kg	0.424	ng/kg	Y	0.0169
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,6,7,8-HxCDD	4A	72	61	11	25.1	ng/kg	2.38	ng/kg	Y	0.0947
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,6,7,8-HxCDD	4A	72	61	11	25.1	ng/kg	6.93	ng/kg	Y	0.276
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,6,7,8-HxCDD	4B	72	61	11	25.1	ng/kg	0.101	ng/kg	N	0.00402
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,6,7,8-HxCDD	3B	22	18	4	14.7	ng/kg	0.223	ng/kg	N	0.0152
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	16	15	1	40.4	ng/kg	0.105	ng/kg	N	0.00259
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	16	15	1	40.4	ng/kg	0.127	ng/kg	N	0.00313
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	16	15	1	40.4	ng/kg	0.206	ng/kg	N	0.00510

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	15	14	1	48.2	ng/kg	0.135	ng/kg	N	0.00279
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	15	14	1	48.2	ng/kg	0.174	ng/kg	N	0.00361
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDD	1	15	14	1	48.2	ng/kg	0.112	ng/kg	N	0.00232
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,6,7,8-HxCDD	I 2B	22	18	4	14.6	ng/kg	0.402	ng/kg	N	0.0275
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,6,7,8-HxCDD	I 2B	22	18	4	14.6	ng/kg	0.412	ng/kg	N	0.0281
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,6,7,8-HxCDD	I 2B	26	22	4	16.3	ng/kg	0.261	ng/kg	N	0.0160
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,6,7,8-HxCDD	3B	42	37	5	26.6	ng/kg	0.750	ng/kg	N	0.0282
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,6,7,8-HxCDD	I 1A	1	1	0	44.0	ng/kg	0.850	ng/kg	N	0.0193
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,6,7,8-HxCDD	I 1A	1	0	1	0.520	ng/kg	0.210	ng/kg	Y	0.404
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,6,7,8-HxCDD	I 1B	1	1	0	18.0	ng/kg	0.940	ng/kg	Y	0.0522
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,6,7,8-HxCDD	I 1B	1	1	0	117	ng/kg	1.15	ng/kg	Y	0.00983
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,6,7,8-HxCDD	I 1B	5	5	0	17.1	ng/kg	1.20	ng/kg	Y	0.0700
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	4	3	1	10.8	ng/kg	0.114	ng/kg	Y	0.0106
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	4	3	1	10.8	ng/kg	0.131	ng/kg	Y	0.0122
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	4	3	1	10.8	ng/kg	0.105	ng/kg	N	0.00974
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDF	3B	9	8	1	13.0	ng/kg	3.74	ng/kg	Y	0.288
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	3	3	0	11.8	ng/kg	0.956	ng/kg	Y	0.0808
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	3	3	0	11.8	ng/kg	0.0735	ng/kg	N	0.00621
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	3	3	0	11.8	ng/kg	0.210	ng/kg	N	0.0177
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,6,7,8-HxCDF	4B	72	63	9	305	ng/kg	4.35	ng/kg	Y	0.0143
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDF	2A	7	7	0	17.7	ng/kg	11.9	ng/kg	Y	0.673
BIST006	MB012F0607	Spot	Whole Body	1,2,3,6,7,8-HxCDF	2B	1	1	0	12.3	ng/kg	2.46	ng/kg	Y	0.200
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,6,7,8-HxCDF	3B	7	7	0	17.7	ng/kg	0.864	ng/kg	Y	0.0489
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,6,7,8-HxCDF	I 2A	12	10	2	31.6	ng/kg	0.610	ng/kg	Y	0.0193
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,6,7,8-HxCDF	I 2A	12	10	2	31.6	ng/kg	0.770	ng/kg	Y	0.0244
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	12	12	0	942	ng/kg	3.63	ng/kg	Y	0.00385
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	12	12	0	942	ng/kg	4.92	ng/kg	Y	0.00522
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	12	12	0	942	ng/kg	4.35	ng/kg	Y	0.00462
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDF	2A	40	37	3	505	ng/kg	8.02	ng/kg	Y	0.0159
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDF	2A	40	37	3	505	ng/kg	10.9	ng/kg	Y	0.0216
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,6,7,8-HxCDF	2A	40	37	3	505	ng/kg	9.62	ng/kg	Y	0.0190
BIST015	LB032F1504	Spot	Whole Body	1,2,3,6,7,8-HxCDF	2B	1	1	0	510	ng/kg	4.20	ng/kg	Y	0.00824
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDF	3B	40	37	3	505	ng/kg	2.39	ng/kg	Y	0.00473
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,6,7,8-HxCDF	4B	72	63	9	305	ng/kg	2.72	ng/kg	Y	0.00891
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,6,7,8-HxCDF	3B	40	37	3	505	ng/kg	11.3	ng/kg	Y	0.0224
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,6,7,8-HxCDF	3A	40	37	3	505	ng/kg	36.5	ng/kg	Y	0.0722
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDF	3B	40	37	3	505	ng/kg	1.15	ng/kg	Y	0.00228
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,6,7,8-HxCDF	3A	40	37	3	505	ng/kg	21.6	ng/kg	Y	0.0427
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,6,7,8-HxCDF	3A	40	37	3	505	ng/kg	57.2	ng/kg	Y	0.113
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,6,7,8-HxCDF	I 1A	1	1	0	43.0	ng/kg	1.24	ng/kg	Y	0.0288
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	17	16	1	403	ng/kg	9.09	ng/kg	Y	0.0225
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	17	16	1	403	ng/kg	2.97	ng/kg	Y	0.00736
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	17	16	1	403	ng/kg	9.12	ng/kg	Y	0.0226
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,6,7,8-HxCDF	4B	72	63	9	305	ng/kg	0.705	ng/kg	Y	0.00231
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,6,7,8-HxCDF	4A	72	63	9	305	ng/kg	18.7	ng/kg	Y	0.0613
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,6,7,8-HxCDF	4A	72	63	9	305	ng/kg	1.54	ng/kg	Y	0.00505
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,6,7,8-HxCDF	4B	72	63	9	305	ng/kg	5.34	ng/kg	Y	0.0175
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,6,7,8-HxCDF	4A	72	63	9	305	ng/kg	14.1	ng/kg	Y	0.0462
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,6,7,8-HxCDF	3B	22	19	3	287	ng/kg	11.4	ng/kg	Y	0.0398
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	16	16	0	830	ng/kg	23.9	ng/kg	Y	0.0288

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	16	16	0	830	ng/kg	5.76	ng/kg	Y	0.00694
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	16	16	0	830	ng/kg	17.5	ng/kg	Y	0.0211
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	15	15	0	913	ng/kg	27.6	ng/kg	Y	0.0302
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	15	15	0	913	ng/kg	7.41	ng/kg	Y	0.00811
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,6,7,8-HxCDF	1	15	15	0	913	ng/kg	23.9	ng/kg	Y	0.0262
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,6,7,8-HxCDF	I 2B	22	19	3	287	ng/kg	3.92	ng/kg	Y	0.0137
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,6,7,8-HxCDF	I 2B	22	19	3	287	ng/kg	3.56	ng/kg	Y	0.0124
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,6,7,8-HxCDF	I 2B	26	23	3	323	ng/kg	3.53	ng/kg	Y	0.0109
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,6,7,8-HxCDF	3B	42	40	2	489	ng/kg	1.15	ng/kg	N	0.00235
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,6,7,8-HxCDF	I 1A	1	1	0	980	ng/kg	8.70	ng/kg	Y	0.00888
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,6,7,8-HxCDF	I 1A	1	1	0	247	ng/kg	0.710	ng/kg	Y	0.00287
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,6,7,8-HxCDF	I 1B	1	1	0	66.0	ng/kg	5.60	ng/kg	Y	0.0848
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,6,7,8-HxCDF	I 1B	1	1	0	2990	ng/kg	5.93	ng/kg	Y	0.00198
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,6,7,8-HxCDF	I 1B	5	4	1	371	ng/kg	136	ng/kg	Y	0.366
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	4	3	1	10.4	ng/kg	0.0815	ng/kg	N	0.00781
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	4	3	1	10.4	ng/kg	0.0384	ng/kg	N	0.00368
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	4	3	1	10.4	ng/kg	0.0670	ng/kg	N	0.00642
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	3	3	0	7.34	ng/kg	0.162	ng/kg	Y	0.0221
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	3	3	0	7.34	ng/kg	0.0479	ng/kg	N	0.00652
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	3	3	0	7.34	ng/kg	0.0430	ng/kg	N	0.00585
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDD	3B	9	8	1	9.67	ng/kg	0.0650	ng/kg	N	0.00672
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,7,8,9-HxCDD	3B	7	7	0	10.9	ng/kg	0.0878	ng/kg	Y	0.00805
BIST006	MB012F0607	Spot	Whole Body	1,2,3,7,8,9-HxCDD	2B	1	1	0	11.3	ng/kg	0.0925	ng/kg	N	0.00819
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDD	2A	7	7	0	10.9	ng/kg	0.121	ng/kg	N	0.0111
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,7,8,9-HxCDD	4B	72	57	15	14.6	ng/kg	0.185	ng/kg	N	0.0127
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,7,8,9-HxCDD	I 2A	12	10	2	15.2	ng/kg	0.103	ng/kg	N	0.00672
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,7,8,9-HxCDD	I 2A	12	10	2	15.2	ng/kg	0.0625	ng/kg	N	0.00410
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	12	9	3	21.9	ng/kg	0.0750	ng/kg	N	0.00342
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	12	9	3	21.9	ng/kg	0.0645	ng/kg	N	0.00294
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	12	9	3	21.9	ng/kg	0.0770	ng/kg	N	0.00352
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDD	2A	40	32	8	16.6	ng/kg	0.270	ng/kg	N	0.0162
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDD	2A	40	32	8	16.6	ng/kg	0.196	ng/kg	N	0.0118
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDD	2A	40	32	8	16.6	ng/kg	0.210	ng/kg	N	0.0126
BIST015	LB032F1504	Spot	Whole Body	1,2,3,7,8,9-HxCDD	2B	1	1	0	82.0	ng/kg	0.0770	ng/kg	N	0.000939
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDD	3B	40	32	8	16.6	ng/kg	0.0445	ng/kg	N	0.00267
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,7,8,9-HxCDD	3A	40	32	8	16.6	ng/kg	0.264	ng/kg	N	0.0158
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,7,8,9-HxCDD	4B	72	57	15	14.6	ng/kg	0.0685	ng/kg	N	0.00469
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,7,8,9-HxCDD	3B	40	32	8	16.6	ng/kg	1.01	ng/kg	N	0.0607
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,7,8,9-HxCDD	3A	40	32	8	16.6	ng/kg	0.309	ng/kg	N	0.0185
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,7,8,9-HxCDD	3A	40	32	8	16.6	ng/kg	0.274	ng/kg	N	0.0165
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDD	3B	40	32	8	16.6	ng/kg	0.0670	ng/kg	N	0.00403
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,7,8,9-HxCDD	I 1A	1	0	1	5.50	ng/kg	0.266	ng/kg	Y	0.0484
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	17	14	3	12.6	ng/kg	0.0555	ng/kg	N	0.00441
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	17	14	3	12.6	ng/kg	0.0880	ng/kg	N	0.00700
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	17	14	3	12.6	ng/kg	0.0870	ng/kg	N	0.00692
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,7,8,9-HxCDD	3B	22	17	5	10.6	ng/kg	0.194	ng/kg	N	0.0182
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,7,8,9-HxCDD	4A	72	57	15	14.6	ng/kg	0.485	ng/kg	N	0.0332
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,7,8,9-HxCDD	4A	72	57	15	14.6	ng/kg	0.820	ng/kg	N	0.0561
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDD	4B	72	57	15	14.6	ng/kg	0.153	ng/kg	N	0.0104
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,7,8,9-HxCDD	4B	72	57	15	14.6	ng/kg	0.0860	ng/kg	N	0.00589

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,7,8,9-HxCDD	4A	72	57	15	14.6	ng/kg	1.27	ng/kg	Y	0.0870
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	16	13	3	19.2	ng/kg	0.0875	ng/kg	N	0.00457
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	16	13	3	19.2	ng/kg	0.104	ng/kg	N	0.00540
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	16	13	3	19.2	ng/kg	0.173	ng/kg	N	0.00903
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	15	12	3	25.5	ng/kg	0.110	ng/kg	N	0.00431
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	15	12	3	25.5	ng/kg	0.0920	ng/kg	N	0.00361
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDD	1	15	12	3	25.5	ng/kg	0.149	ng/kg	N	0.00584
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,7,8,9-HxCDD	I 2B	22	17	5	10.5	ng/kg	0.366	ng/kg	N	0.0350
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,7,8,9-HxCDD	I 2B	22	17	5	10.5	ng/kg	0.385	ng/kg	N	0.0368
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,7,8,9-HxCDD	I 2B	26	21	5	11.3	ng/kg	0.233	ng/kg	N	0.0206
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,7,8,9-HxCDD	3B	42	33	9	15.6	ng/kg	0.415	ng/kg	N	0.0266
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,7,8,9-HxCDD	I 1A	1	1	0	38.0	ng/kg	0.390	ng/kg	N	0.0103
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,7,8,9-HxCDD	I 1A	1	0	1	0.446	ng/kg	0.180	ng/kg	Y	0.404
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,7,8,9-HxCDD	I 1B	1	0	1	5.50	ng/kg	0.390	ng/kg	Y	0.0709
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,7,8,9-HxCDD	I 1B	1	1	0	63.6	ng/kg	0.550	ng/kg	Y	0.00865
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,7,8,9-HxCDD	I 1B	5	5	0	14.1	ng/kg	0.840	ng/kg	Y	0.0595
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	4	1	3	2.48	ng/kg	0.0128	ng/kg	N	0.00515
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	4	1	3	2.48	ng/kg	0.0484	ng/kg	N	0.0195
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	4	1	3	2.48	ng/kg	0.0264	ng/kg	N	0.0107
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	3	0	3	0.682	ng/kg	0.0282	ng/kg	N	0.0414
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDF	3B	9	2	7	1.86	ng/kg	0.0655	ng/kg	N	0.0352
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	3	0	3	0.682	ng/kg	0.0635	ng/kg	N	0.0932
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	3	0	3	0.682	ng/kg	0.0385	ng/kg	N	0.0565
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,7,8,9-HxCDF	3B	7	1	6	1.28	ng/kg	0.0371	ng/kg	N	0.0290
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,7,8,9-HxCDF	4B	72	42	30	99.8	ng/kg	0.0595	ng/kg	N	0.000596
BIST006	MB012F0607	Spot	Whole Body	1,2,3,7,8,9-HxCDF	2B	1	1	0	3.65	ng/kg	0.118	ng/kg	N	0.0322
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDF	2A	7	1	6	1.28	ng/kg	0.231	ng/kg	N	0.181
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,7,8,9-HxCDF	I 2A	12	4	8	4.73	ng/kg	0.144	ng/kg	N	0.0303
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,7,8,9-HxCDF	I 2A	12	4	8	4.73	ng/kg	0.153	ng/kg	N	0.0322
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	12	10	2	347	ng/kg	0.101	ng/kg	Y	0.000291
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	12	10	2	347	ng/kg	0.0635	ng/kg	N	0.000183
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	12	10	2	347	ng/kg	0.244	ng/kg	Y	0.000704
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDF	2A	40	31	9	169	ng/kg	2.45	ng/kg	Y	0.0145
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDF	2A	40	31	9	169	ng/kg	2.56	ng/kg	Y	0.0151
BIST015	LB032F1504	Spot	Whole Body	1,2,3,7,8,9-HxCDF	2B	1	1	0	73.0	ng/kg	0.158	ng/kg	N	0.00216
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,7,8,9-HxCDF	2A	40	31	9	169	ng/kg	2.56	ng/kg	Y	0.0151
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,7,8,9-HxCDF	3A	40	31	9	169	ng/kg	1.15	ng/kg	Y	0.00679
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,7,8,9-HxCDF	3B	40	31	9	169	ng/kg	1.07	ng/kg	N	0.00628
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,7,8,9-HxCDF	4B	72	42	30	99.8	ng/kg	0.0545	ng/kg	N	0.000546
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDF	3B	40	31	9	169	ng/kg	0.291	ng/kg	Y	0.00172
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDF	3B	40	31	9	169	ng/kg	0.0660	ng/kg	N	0.000389
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,7,8,9-HxCDF	3A	40	31	9	169	ng/kg	0.411	ng/kg	N	0.00242
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,7,8,9-HxCDF	3A	40	31	9	169	ng/kg	0.238	ng/kg	N	0.00140
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,7,8,9-HxCDF	I 1A	1	0	1	3.25	ng/kg	0.182	ng/kg	N	0.0558
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	17	13	4	125	ng/kg	2.36	ng/kg	N	0.0189
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	17	13	4	125	ng/kg	0.0500	ng/kg	N	0.000401
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	17	13	4	125	ng/kg	0.0630	ng/kg	N	0.000505
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,7,8,9-HxCDF	4A	72	42	30	99.8	ng/kg	1.51	ng/kg	Y	0.0151
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,7,8,9-HxCDF	4A	72	42	30	99.8	ng/kg	0.0565	ng/kg	N	0.000566
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,7,8,9-HxCDF	4B	72	42	30	99.8	ng/kg	0.0950	ng/kg	N	0.000952

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,7,8,9-HxCDF	4A	72	42	30	99.8	ng/kg	2.15	ng/kg	Y	0.0215
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,7,8,9-HxCDF	4B	72	42	30	99.8	ng/kg	0.0426	ng/kg	N	0.000426
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,7,8,9-HxCDF	3B	22	15	7	87.8	ng/kg	0.175	ng/kg	N	0.00199
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	16	14	2	302	ng/kg	0.370	ng/kg	Y	0.00122
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	16	14	2	302	ng/kg	0.259	ng/kg	Y	0.000857
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	16	14	2	302	ng/kg	0.0755	ng/kg	N	0.000250
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	15	14	1	324	ng/kg	0.319	ng/kg	Y	0.000984
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	15	14	1	324	ng/kg	0.505	ng/kg	Y	0.00156
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,7,8,9-HxCDF	1	15	14	1	324	ng/kg	0.321	ng/kg	Y	0.000990
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,7,8,9-HxCDF	I 2B	22	16	6	88.4	ng/kg	0.219	ng/kg	N	0.00247
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,7,8,9-HxCDF	I 2B	22	16	6	88.4	ng/kg	0.197	ng/kg	N	0.00222
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,7,8,9-HxCDF	I 2B	26	20	6	100	ng/kg	0.157	ng/kg	N	0.00156
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,7,8,9-HxCDF	3B	42	33	9	166	ng/kg	0.300	ng/kg	N	0.00181
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,7,8,9-HxCDF	I 1A	1	1	0	120	ng/kg	0.600	ng/kg	N	0.00500
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,7,8,9-HxCDF	I 1A	1	1	0	98.4	ng/kg	0.0500	ng/kg	N	0.000508
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,7,8,9-HxCDF	I 1B	1	0	1	3.40	ng/kg	0.230	ng/kg	Y	0.0676
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,7,8,9-HxCDF	I 1B	1	1	0	1090	ng/kg	0.500	ng/kg	Y	0.000459
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,7,8,9-HxCDF	I 1B	5	4	1	86.0	ng/kg	3.54	ng/kg	Y	0.0412
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	4	1	3	5.91	ng/kg	0.185	ng/kg	Y	0.0313
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	4	1	3	5.91	ng/kg	0.0865	ng/kg	N	0.0146
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	4	1	3	5.91	ng/kg	0.157	ng/kg	Y	0.0266
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDD	3B	9	2	7	3.51	ng/kg	0.0483	ng/kg	N	0.0138
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	3	0	3	1.18	ng/kg	0.0792	ng/kg	Y	0.0673
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	3	0	3	1.18	ng/kg	0.144	ng/kg	Y	0.122
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	3	0	3	1.18	ng/kg	0.246	ng/kg	Y	0.209
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDD	2A	7	1	6	1.88	ng/kg	0.623	ng/kg	Y	0.332
BIST006	MB012F0607	Spot	Whole Body	1,2,3,7,8-PeCDD	2B	1	1	0	2.82	ng/kg	0.724	ng/kg	Y	0.257
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,7,8-PeCDD	4B	72	37	35	12.0	ng/kg	0.0351	ng/kg	N	0.00291
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,7,8-PeCDD	3B	7	1	6	1.88	ng/kg	0.0365	ng/kg	N	0.0194
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,7,8-PeCDD	I 2A	12	4	8	5.12	ng/kg	0.214	ng/kg	Y	0.0418
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,7,8-PeCDD	I 2A	12	4	8	5.12	ng/kg	0.125	ng/kg	Y	0.0244
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	12	9	3	32.0	ng/kg	0.262	ng/kg	Y	0.00819
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	12	9	3	32.0	ng/kg	0.165	ng/kg	Y	0.00516
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	12	9	3	32.0	ng/kg	0.242	ng/kg	Y	0.00757
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDD	2A	40	27	13	17.3	ng/kg	1.27	ng/kg	Y	0.0732
BIST015	LB032F1504	Spot	Whole Body	1,2,3,7,8-PeCDD	2B	1	1	0	43.0	ng/kg	0.568	ng/kg	Y	0.0132
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDD	2A	40	27	13	17.3	ng/kg	1.45	ng/kg	Y	0.0836
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDD	2A	40	27	13	17.3	ng/kg	0.829	ng/kg	Y	0.0478
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,7,8-PeCDD	4B	72	37	35	12.0	ng/kg	0.173	ng/kg	N	0.0143
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDD	3B	40	27	13	17.3	ng/kg	0.0302	ng/kg	N	0.00174
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDD	3B	40	27	13	17.3	ng/kg	0.0585	ng/kg	N	0.00337
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,7,8-PeCDD	3A	40	27	13	17.3	ng/kg	2.43	ng/kg	Y	0.140
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,7,8-PeCDD	3A	40	27	13	17.3	ng/kg	1.73	ng/kg	Y	0.0997
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,7,8-PeCDD	3A	40	27	13	17.3	ng/kg	0.693	ng/kg	Y	0.0400
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,7,8-PeCDD	3B	40	27	13	17.3	ng/kg	0.725	ng/kg	N	0.0418
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,7,8-PeCDD	I 1A	1	0	1	2.20	ng/kg	0.454	ng/kg	Y	0.206
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	17	11	6	11.4	ng/kg	0.302	ng/kg	Y	0.0266
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	17	11	6	11.4	ng/kg	0.354	ng/kg	Y	0.0311
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	17	11	6	11.4	ng/kg	0.281	ng/kg	Y	0.0247
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,7,8-PeCDD	4B	72	37	35	12.0	ng/kg	0.0356	ng/kg	N	0.00295

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,7,8-PeCDD	4A	72	37	35	12.0	ng/kg	1.07	ng/kg	Y	0.0888
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,7,8-PeCDD	4A	72	37	35	12.0	ng/kg	1.20	ng/kg	N	0.0996
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDD	4B	72	37	35	12.0	ng/kg	0.0580	ng/kg	N	0.00482
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,7,8-PeCDD	3B	22	14	8	8.59	ng/kg	0.127	ng/kg	N	0.0147
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,7,8-PeCDD	4A	72	37	35	12.0	ng/kg	3.02	ng/kg	Y	0.251
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	16	12	4	27.4	ng/kg	0.304	ng/kg	Y	0.0111
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	16	12	4	27.4	ng/kg	0.405	ng/kg	Y	0.0148
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	16	12	4	27.4	ng/kg	0.313	ng/kg	Y	0.0114
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	15	11	4	31.9	ng/kg	0.371	ng/kg	Y	0.0116
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	15	11	4	31.9	ng/kg	0.425	ng/kg	Y	0.0133
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,7,8-PeCDD	1	15	11	4	31.9	ng/kg	0.448	ng/kg	Y	0.0140
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,7,8-PeCDD	I 2B	22	15	7	8.64	ng/kg	0.985	ng/kg	N	0.114
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,7,8-PeCDD	I 2B	22	15	7	8.64	ng/kg	0.790	ng/kg	N	0.0914
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,7,8-PeCDD	I 2B	26	17	9	9.65	ng/kg	0.575	ng/kg	N	0.0596
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,7,8-PeCDD	3B	42	29	13	16.5	ng/kg	0.375	ng/kg	N	0.0227
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,7,8-PeCDD	I 1A	1	1	0	28.0	ng/kg	0.305	ng/kg	N	0.0109
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,7,8-PeCDD	I 1A	1	0	1	0.510	ng/kg	0.0500	ng/kg	N	0.0980
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,7,8-PeCDD	I 1B	1	0	1	3.05	ng/kg	0.450	ng/kg	Y	0.148
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,7,8-PeCDD	I 1B	1	1	0	78.5	ng/kg	0.610	ng/kg	Y	0.00777
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,7,8-PeCDD	I 1B	5	4	1	10.8	ng/kg	0.520	ng/kg	Y	0.0481
BIST004	UB041F0401	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	4	3	1	12.5	ng/kg	0.161	ng/kg	Y	0.0129
BIST004	UB041F0404	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	4	3	1	12.5	ng/kg	0.134	ng/kg	Y	0.0108
BIST004	UB041F0402	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	4	3	1	12.5	ng/kg	0.0945	ng/kg	N	0.00758
BIST005	UB051F0518	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	3	3	0	9.34	ng/kg	0.207	ng/kg	N	0.0221
BIST005	UB051F0508	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	3	3	0	9.34	ng/kg	0.0945	ng/kg	N	0.0101
BIST005	UB051F0510	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	3	3	0	9.34	ng/kg	0.0990	ng/kg	N	0.0106
BIST005	UB054F0505	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDF	3B	9	8	1	9.83	ng/kg	5.40	ng/kg	Y	0.549
BIST006	MB014F0601	Red drum	Whole Body	1,2,3,7,8-PeCDF	4B	72	64	8	228	ng/kg	1.77	ng/kg	Y	0.00775
BIST006	MB012F0607	Spot	Whole Body	1,2,3,7,8-PeCDF	2B	1	1	0	5.74	ng/kg	8.44	ng/kg	Y	1.47
BIST006	MB012F0601	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDF	2A	7	7	0	10.4	ng/kg	5.49	ng/kg	Y	0.529
BIST006	MB014F0630	Sand seatrout	Whole Body	1,2,3,7,8-PeCDF	3B	7	7	0	10.4	ng/kg	1.83	ng/kg	Y	0.176
BIST008	MB031V0801	Shrimp	Shellfish	1,2,3,7,8-PeCDF	I 2A	12	10	2	25.6	ng/kg	2.73	ng/kg	Y	0.107
BIST008	MB031V0807	Shrimp	Shellfish	1,2,3,7,8-PeCDF	I 2A	12	10	2	25.6	ng/kg	2.30	ng/kg	Y	0.0898
BIST011	LB011F1101	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	12	12	0	698	ng/kg	3.04	ng/kg	Y	0.00435
BIST011	LB011F1103	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	12	12	0	698	ng/kg	2.81	ng/kg	Y	0.00403
BIST011	LB011F1105	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	12	12	0	698	ng/kg	2.21	ng/kg	Y	0.00317
BIST015	LB032F1505	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDF	2A	40	38	2	374	ng/kg	15.5	ng/kg	Y	0.0414
BIST015	LB032F1502	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDF	2A	40	38	2	374	ng/kg	24.9	ng/kg	Y	0.0666
BIST015	LB032F1501	Gulf menhaden	Whole Body	1,2,3,7,8-PeCDF	2A	40	38	2	374	ng/kg	18.9	ng/kg	Y	0.0505
BIST015	LB032F1504	Spot	Whole Body	1,2,3,7,8-PeCDF	2B	1	1	0	700	ng/kg	7.55	ng/kg	Y	0.0108
BIST015	LB034F1504	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDF	3B	40	38	2	374	ng/kg	3.98	ng/kg	Y	0.0106
BIST015	LB034F1501	Red drum	Whole Body	1,2,3,7,8-PeCDF	4B	72	64	8	228	ng/kg	3.28	ng/kg	Y	0.0144
BIST015	LB033F1502	Striped mullet	Whole Body	1,2,3,7,8-PeCDF	3A	40	38	2	374	ng/kg	6.33	ng/kg	Y	0.0169
BIST015	LB034F1503	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDF	3B	40	38	2	374	ng/kg	6.21	ng/kg	Y	0.0166
BIST015	LB033F1501	Striped mullet	Whole Body	1,2,3,7,8-PeCDF	3A	40	38	2	374	ng/kg	24.5	ng/kg	Y	0.0655
BIST015	LB034F1506	Atlantic croaker	Whole Body	1,2,3,7,8-PeCDF	3B	40	38	2	374	ng/kg	3.91	ng/kg	Y	0.0105
BIST015	LB033F1503	Striped mullet	Whole Body	1,2,3,7,8-PeCDF	3A	40	38	2	374	ng/kg	27.4	ng/kg	Y	0.0733
BIST017	LB031A1752	Mussels	Shellfish	1,2,3,7,8-PeCDF	I 1A	1	1	0	58.0	ng/kg	14.0	ng/kg	Y	0.241
BIST019	LB061F1903	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	17	16	1	258	ng/kg	1.55	ng/kg	Y	0.00601
BIST019	LB061F1901	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	17	16	1	258	ng/kg	1.59	ng/kg	Y	0.00616

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST019	LB061F1902	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	17	16	1	258	ng/kg	1.81	ng/kg	Y	0.00701
BIST021	LB094F2120	Spotted seatrout	Whole Body	1,2,3,7,8-PeCDF	4B	72	64	8	228	ng/kg	5.21	ng/kg	Y	0.0228
BIST021	LB094F2103	Red drum	Whole Body	1,2,3,7,8-PeCDF	4B	72	64	8	228	ng/kg	0.877	ng/kg	Y	0.00384
BIST021	LB093F2102	Gizzard shad	Whole Body	1,2,3,7,8-PeCDF	4A	72	64	8	228	ng/kg	104	ng/kg	Y	0.455
BIST021	LB093F2103	Gizzard shad	Whole Body	1,2,3,7,8-PeCDF	4A	72	64	8	228	ng/kg	57.6	ng/kg	Y	0.252
BIST021	LB093F2104	Gizzard shad	Whole Body	1,2,3,7,8-PeCDF	4A	72	64	8	228	ng/kg	3.87	ng/kg	Y	0.0169
BIST021	LB094F2107	Atlantic croaker	Whole Body	1,2,3,7,8-PeCDF	3B	22	20	2	187	ng/kg	1.34	ng/kg	Y	0.00718
BIST027	PPGC1F2712	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	16	16	0	599	ng/kg	4.54	ng/kg	Y	0.00758
BIST027	PPGC1F2705	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	16	16	0	599	ng/kg	4.24	ng/kg	Y	0.00708
BIST027	PPGC1F2706	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	16	16	0	599	ng/kg	5.50	ng/kg	Y	0.00918
BIST029	PPGC1F2903	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	15	15	0	680	ng/kg	4.99	ng/kg	Y	0.00734
BIST029	PPGC1F2905	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	15	15	0	680	ng/kg	6.38	ng/kg	Y	0.00938
BIST029	PPGC1F2904	Gulf killifish	Whole Body	1,2,3,7,8-PeCDF	1	15	15	0	680	ng/kg	5.58	ng/kg	Y	0.00821
BISTC01	BAYD4C0101	Blue crab	Shellfish	1,2,3,7,8-PeCDF	I 2B	22	20	2	186	ng/kg	21.1	ng/kg	Y	0.113
BISTC01	BAYD4C0103	Blue crab	Shellfish	1,2,3,7,8-PeCDF	I 2B	22	20	2	186	ng/kg	23.8	ng/kg	Y	0.128
BISTC02	BAYD4C0203	Blue crab	Shellfish	1,2,3,7,8-PeCDF	I 2B	26	24	2	213	ng/kg	20.1	ng/kg	Y	0.0944
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2,3,7,8-PeCDF	3B	42	41	1	356	ng/kg	9.20	ng/kg	Y	0.0258
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2,3,7,8-PeCDF	I 1A	1	1	0	760	ng/kg	28.0	ng/kg	Y	0.0368
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2,3,7,8-PeCDF	I 1A	1	1	0	177	ng/kg	1.50	ng/kg	Y	0.00847
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2,3,7,8-PeCDF	I 1B	1	1	0	94.0	ng/kg	6.55	ng/kg	Y	0.0697
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2,3,7,8-PeCDF	I 1B	1	1	0	1550	ng/kg	8.55	ng/kg	Y	0.00552
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2,3,7,8-PeCDF	I 1B	5	4	1	254	ng/kg	28.0	ng/kg	Y	0.110
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	1,2-Dichlorobenzene	2A	64	0	64	16.8	ug/kg	1000	ug/kg	N	59.7
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	1,2-Dichlorobenzene	I 2B	59	0	59	17.2	ug/kg	1000	ug/kg	N	58.0
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	1,2-Dichlorobenzene	3B	65	0	65	50.5	ug/kg	1000	ug/kg	N	19.8
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	1,2-Dichlorobenzene	3B	65	0	65	50.5	ug/kg	1000	ug/kg	N	19.8
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	1,2-Dichlorobenzene	3B	65	0	65	50.5	ug/kg	500	ug/kg	N	9.90
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	1,2-Dichlorobenzene	4B	177	0	177	32.9	ug/kg	500	ug/kg	N	15.2
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,2-Dichlorobenzene	3B	64	0	64	51.0	ug/kg	500	ug/kg	N	9.80
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,2-Dichlorobenzene	I 1A	1	0	1	5.50	ug/kg	1000	ug/kg	N	182
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	1,2-Dichlorobenzene	I 1B	2	0	2	14.0	ug/kg	1000	ug/kg	N	71.4
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,2-Dichlorobenzene	I 1A	1	0	1	6.50	ug/kg	335	ug/kg	N	51.5
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	1,2-Dichlorobenzene	I 1A	1	0	1	6.50	ug/kg	335	ug/kg	N	51.5
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	1,2-Dichlorobenzene	I 1A	1	0	1	12.5	ug/kg	335	ug/kg	N	26.8
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	1,2-Dichlorobenzene	I 1A	1	0	1	12.5	ug/kg	335	ug/kg	N	26.8
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	1,2-Dichlorobenzene	I 1A	1	0	1	13.0	ug/kg	335	ug/kg	N	25.8
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,2-Dichlorobenzene	I 1B	1	0	1	16.0	ug/kg	335	ug/kg	N	20.9
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,2-Dichlorobenzene	I 1B	1	0	1	15.5	ug/kg	335	ug/kg	N	21.6
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	1,2-Dichlorobenzene	I 1B	2	0	2	13.5	ug/kg	335	ug/kg	N	24.8
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,2-Dichlorobenzene	I 1B	2	0	2	8.25	ug/kg	335	ug/kg	N	40.6
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	1,3-Dichlorobenzene	2A	64	20	44	16.0	ug/kg	1000	ug/kg	N	62.7
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	1,3-Dichlorobenzene	I 2B	59	20	39	16.5	ug/kg	1000	ug/kg	N	60.7
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	1,3-Dichlorobenzene	3B	65	33	32	48.5	ug/kg	1000	ug/kg	N	20.6
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	1,3-Dichlorobenzene	3B	65	33	32	48.5	ug/kg	1000	ug/kg	N	20.6
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	1,3-Dichlorobenzene	3B	65	33	32	48.5	ug/kg	500	ug/kg	N	10.3
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	1,3-Dichlorobenzene	4B	177	41	136	31.7	ug/kg	500	ug/kg	N	15.8
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,3-Dichlorobenzene	3B	64	32	32	49.0	ug/kg	500	ug/kg	N	10.2
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,3-Dichlorobenzene	I 1A	1	0	1	5.50	ug/kg	1000	ug/kg	N	182
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	1,3-Dichlorobenzene	I 1B	2	2	0	21.0	ug/kg	1000	ug/kg	N	47.6
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,3-Dichlorobenzene	I 1A	1	0	1	6.50	ug/kg	335	ug/kg	N	51.5

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	1,3-Dichlorobenzene	I 1A	1	0	1	6.50	ug/kg	335	ug/kg	N	51.5
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	1,3-Dichlorobenzene	I 1A	1	1	0	9.00	ug/kg	335	ug/kg	N	37.2
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	1,3-Dichlorobenzene	I 1A	1	1	0	9.00	ug/kg	335	ug/kg	N	37.2
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	1,3-Dichlorobenzene	I 1A	1	1	0	5.00	ug/kg	335	ug/kg	N	67.0
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,3-Dichlorobenzene	I 1B	1	1	0	17.0	ug/kg	335	ug/kg	N	19.7
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,3-Dichlorobenzene	I 1B	1	1	0	7.00	ug/kg	335	ug/kg	N	47.9
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	1,3-Dichlorobenzene	I 1B	2	2	0	12.5	ug/kg	335	ug/kg	N	26.8
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,3-Dichlorobenzene	I 1B	2	1	1	10.8	ug/kg	335	ug/kg	N	31.2
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	1,4-Dichlorobenzene	2A	64	13	51	16.3	ug/kg	1000	ug/kg	N	61.2
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	1,4-Dichlorobenzene	I 2B	59	14	45	16.6	ug/kg	1000	ug/kg	N	60.1
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	1,4-Dichlorobenzene	3B	65	24	41	48.4	ug/kg	500	ug/kg	N	10.3
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	1,4-Dichlorobenzene	3B	65	24	41	48.4	ug/kg	1000	ug/kg	N	20.6
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	1,4-Dichlorobenzene	4B	177	29	148	31.9	ug/kg	500	ug/kg	N	15.7
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	1,4-Dichlorobenzene	3B	65	24	41	48.4	ug/kg	1000	ug/kg	N	20.6
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	1,4-Dichlorobenzene	3B	64	24	40	48.9	ug/kg	500	ug/kg	N	10.2
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	1,4-Dichlorobenzene	I 1A	1	0	1	5.50	ug/kg	1000	ug/kg	N	182
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	1,4-Dichlorobenzene	I 1B	2	2	0	11.5	ug/kg	1000	ug/kg	N	87.0
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	1,4-Dichlorobenzene	I 1A	1	0	1	6.50	ug/kg	335	ug/kg	N	51.5
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	1,4-Dichlorobenzene	I 1A	1	0	1	6.50	ug/kg	335	ug/kg	N	51.5
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	1,4-Dichlorobenzene	I 1A	1	1	0	4.00	ug/kg	335	ug/kg	N	83.8
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	1,4-Dichlorobenzene	I 1A	1	1	0	4.00	ug/kg	335	ug/kg	N	83.8
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	1,4-Dichlorobenzene	I 1A	1	1	0	4.00	ug/kg	335	ug/kg	N	83.8
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	1,4-Dichlorobenzene	I 1B	1	1	0	14.0	ug/kg	335	ug/kg	N	23.9
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	1,4-Dichlorobenzene	I 1B	1	0	1	15.5	ug/kg	335	ug/kg	N	21.6
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	1,4-Dichlorobenzene	I 1B	2	1	1	17.3	ug/kg	335	ug/kg	N	19.4
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	1,4-Dichlorobenzene	I 1B	2	1	1	6.75	ug/kg	335	ug/kg	N	49.6
BIST004	UB041F0404	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	4	1	3	3.45	ng/kg	0.0179	ng/kg	N	0.00518
BIST004	UB041F0401	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	4	1	3	3.45	ng/kg	0.0479	ng/kg	Y	0.0139
BIST004	UB041F0402	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	4	1	3	3.45	ng/kg	0.0340	ng/kg	N	0.00986
BIST005	UB051F0518	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	3	2	1	3.28	ng/kg	0.0790	ng/kg	N	0.0241
BIST005	UB051F0510	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	3	2	1	3.28	ng/kg	0.0186	ng/kg	N	0.00565
BIST005	UB051F0508	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	3	2	1	3.28	ng/kg	0.0260	ng/kg	N	0.00790
BIST005	UB054F0505	Spotted seatrout	Whole Body	2,3,4,6,7,8-HxCDF	3B	9	5	4	5.08	ng/kg	0.145	ng/kg	N	0.0285
BIST006	MB014F0630	Sand seatrout	Whole Body	2,3,4,6,7,8-HxCDF	3B	7	5	2	6.79	ng/kg	0.164	ng/kg	N	0.0241
BIST006	MB014F0601	Red drum	Whole Body	2,3,4,6,7,8-HxCDF	4B	72	52	20	139	ng/kg	0.0384	ng/kg	N	0.000276
BIST006	MB012F0601	Gulf menhaden	Whole Body	2,3,4,6,7,8-HxCDF	2A	7	5	2	6.79	ng/kg	0.787	ng/kg	Y	0.116
BIST006	MB012F0607	Spot	Whole Body	2,3,4,6,7,8-HxCDF	2B	1	1	0	12.4	ng/kg	0.279	ng/kg	N	0.0225
BIST008	MB031V0807	Shrimp	Shellfish	2,3,4,6,7,8-HxCDF	I 2A	12	8	4	12.8	ng/kg	0.140	ng/kg	N	0.0109
BIST008	MB031V0801	Shrimp	Shellfish	2,3,4,6,7,8-HxCDF	I 2A	12	8	4	12.8	ng/kg	0.168	ng/kg	N	0.0132
BIST011	LB011F1103	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	12	11	1	429	ng/kg	0.387	ng/kg	Y	0.000902
BIST011	LB011F1101	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	12	11	1	429	ng/kg	0.217	ng/kg	Y	0.000506
BIST011	LB011F1105	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	12	11	1	429	ng/kg	0.192	ng/kg	Y	0.000447
BIST015	LB032F1502	Gulf menhaden	Whole Body	2,3,4,6,7,8-HxCDF	2A	40	33	7	231	ng/kg	2.46	ng/kg	Y	0.0106
BIST015	LB032F1505	Gulf menhaden	Whole Body	2,3,4,6,7,8-HxCDF	2A	40	33	7	231	ng/kg	2.47	ng/kg	Y	0.0107
BIST015	LB032F1504	Spot	Whole Body	2,3,4,6,7,8-HxCDF	2B	1	1	0	180	ng/kg	0.734	ng/kg	Y	0.00408
BIST015	LB032F1501	Gulf menhaden	Whole Body	2,3,4,6,7,8-HxCDF	2A	40	33	7	231	ng/kg	2.21	ng/kg	Y	0.00955
BIST015	LB033F1503	Striped mullet	Whole Body	2,3,4,6,7,8-HxCDF	3A	40	33	7	231	ng/kg	1.96	ng/kg	Y	0.00847
BIST015	LB033F1502	Striped mullet	Whole Body	2,3,4,6,7,8-HxCDF	3A	40	33	7	231	ng/kg	0.590	ng/kg	Y	0.00255
BIST015	LB034F1503	Spotted seatrout	Whole Body	2,3,4,6,7,8-HxCDF	3B	40	33	7	231	ng/kg	0.397	ng/kg	Y	0.00172
BIST015	LB034F1501	Red drum	Whole Body	2,3,4,6,7,8-HxCDF	4B	72	52	20	139	ng/kg	0.179	ng/kg	Y	0.00129

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1501	Striped mullet	Whole Body	2,3,4,6,7,8-HxCDF	3A	40	33	7	231	ng/kg	2.06	ng/kg	Y	0.00890
BIST015	LB034F1506	Atlantic croaker	Whole Body	2,3,4,6,7,8-HxCDF	3B	40	33	7	231	ng/kg	0.575	ng/kg	N	0.00248
BIST015	LB034F1504	Spotted seatrout	Whole Body	2,3,4,6,7,8-HxCDF	3B	40	33	7	231	ng/kg	0.152	ng/kg	N	0.000657
BIST017	LB031A1752	Mussels	Shellfish	2,3,4,6,7,8-HxCDF	I 1A	1	1	0	15.0	ng/kg	1.24	ng/kg	Y	0.0827
BIST019	LB061F1902	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	17	14	3	193	ng/kg	0.211	ng/kg	Y	0.00109
BIST019	LB061F1901	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	17	14	3	193	ng/kg	0.188	ng/kg	Y	0.000974
BIST019	LB061F1903	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	17	14	3	193	ng/kg	0.203	ng/kg	Y	0.00105
BIST021	LB093F2102	Gizzard shad	Whole Body	2,3,4,6,7,8-HxCDF	4A	72	52	20	139	ng/kg	4.88	ng/kg	Y	0.0351
BIST021	LB093F2104	Gizzard shad	Whole Body	2,3,4,6,7,8-HxCDF	4A	72	52	20	139	ng/kg	0.633	ng/kg	Y	0.00456
BIST021	LB093F2103	Gizzard shad	Whole Body	2,3,4,6,7,8-HxCDF	4A	72	52	20	139	ng/kg	3.49	ng/kg	Y	0.0251
BIST021	LB094F2103	Red drum	Whole Body	2,3,4,6,7,8-HxCDF	4B	72	52	20	139	ng/kg	0.0240	ng/kg	N	0.000173
BIST021	LB094F2107	Atlantic croaker	Whole Body	2,3,4,6,7,8-HxCDF	3B	22	17	5	134	ng/kg	0.0665	ng/kg	N	0.000497
BIST021	LB094F2120	Spotted seatrout	Whole Body	2,3,4,6,7,8-HxCDF	4B	72	52	20	139	ng/kg	0.243	ng/kg	Y	0.00175
BIST027	PPGC1F2712	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	16	14	2	387	ng/kg	0.298	ng/kg	Y	0.000770
BIST027	PPGC1F2705	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	16	14	2	387	ng/kg	0.464	ng/kg	Y	0.00120
BIST027	PPGC1F2706	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	16	14	2	387	ng/kg	0.561	ng/kg	Y	0.00145
BIST029	PPGC1F2904	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	15	14	1	421	ng/kg	0.736	ng/kg	Y	0.00175
BIST029	PPGC1F2903	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	15	14	1	421	ng/kg	0.335	ng/kg	Y	0.000796
BIST029	PPGC1F2905	Gulf killifish	Whole Body	2,3,4,6,7,8-HxCDF	1	15	14	1	421	ng/kg	0.590	ng/kg	Y	0.00140
BISTC01	BAYD4C0103	Blue crab	Shellfish	2,3,4,6,7,8-HxCDF	I 2B	22	17	5	134	ng/kg	4.03	ng/kg	Y	0.0300
BISTC01	BAYD4C0101	Blue crab	Shellfish	2,3,4,6,7,8-HxCDF	I 2B	22	17	5	134	ng/kg	3.14	ng/kg	Y	0.0234
BISTC02	BAYD4C0203	Blue crab	Shellfish	2,3,4,6,7,8-HxCDF	I 2B	26	21	5	155	ng/kg	2.96	ng/kg	Y	0.0191
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	2,3,4,6,7,8-HxCDF	3B	42	35	7	226	ng/kg	0.265	ng/kg	N	0.00117
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	2,3,4,6,7,8-HxCDF	I 1A	1	1	0	220	ng/kg	2.70	ng/kg	Y	0.0123
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	2,3,4,6,7,8-HxCDF	I 1A	1	1	0	141	ng/kg	0.300	ng/kg	Y	0.00213
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	2,3,4,6,7,8-HxCDF	I 1B	1	1	0	26.0	ng/kg	0.920	ng/kg	Y	0.0354
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	2,3,4,6,7,8-HxCDF	I 1B	1	1	0	1670	ng/kg	1.46	ng/kg	Y	0.000874
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	2,3,4,6,7,8-HxCDF	I 1B	5	4	1	139	ng/kg	4.96	ng/kg	Y	0.0356
BIST004	UB041F0401	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	4	3	1	8.84	ng/kg	0.482	ng/kg	Y	0.0545
BIST004	UB041F0404	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	4	3	1	8.84	ng/kg	0.337	ng/kg	Y	0.0381
BIST004	UB041F0402	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	4	3	1	8.84	ng/kg	0.231	ng/kg	N	0.0261
BIST005	UB051F0508	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	3	3	0	6.41	ng/kg	0.277	ng/kg	N	0.0431
BIST005	UB054F0505	Spotted seatrout	Whole Body	2,3,4,7,8-PeCDF	3B	9	8	1	8.15	ng/kg	0.613	ng/kg	Y	0.0752
BIST005	UB051F0510	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	3	3	0	6.41	ng/kg	0.253	ng/kg	N	0.0394
BIST005	UB051F0518	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	3	3	0	6.41	ng/kg	0.748	ng/kg	Y	0.117
BIST006	MB012F0601	Gulf menhaden	Whole Body	2,3,4,7,8-PeCDF	2A	7	7	0	8.88	ng/kg	6.22	ng/kg	Y	0.701
BIST006	MB014F0630	Sand seatrout	Whole Body	2,3,4,7,8-PeCDF	3B	7	7	0	8.88	ng/kg	0.281	ng/kg	Y	0.0317
BIST006	MB014F0601	Red drum	Whole Body	2,3,4,7,8-PeCDF	4B	72	61	11	177	ng/kg	0.181	ng/kg	N	0.00102
BIST006	MB012F0607	Spot	Whole Body	2,3,4,7,8-PeCDF	2B	1	1	0	8.79	ng/kg	14.7	ng/kg	Y	1.67
BIST008	MB031V0807	Shrimp	Shellfish	2,3,4,7,8-PeCDF	I 2A	12	9	3	20.3	ng/kg	2.29	ng/kg	Y	0.113
BIST008	MB031V0801	Shrimp	Shellfish	2,3,4,7,8-PeCDF	I 2A	12	9	3	20.3	ng/kg	2.65	ng/kg	Y	0.131
BIST011	LB011F1101	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	12	12	0	565	ng/kg	5.15	ng/kg	Y	0.00912
BIST011	LB011F1105	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	12	12	0	565	ng/kg	3.43	ng/kg	Y	0.00607
BIST011	LB011F1103	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	12	12	0	565	ng/kg	4.99	ng/kg	Y	0.00883
BIST015	LB032F1504	Spot	Whole Body	2,3,4,7,8-PeCDF	2B	1	1	0	410	ng/kg	15.0	ng/kg	Y	0.0366
BIST015	LB032F1501	Gulf menhaden	Whole Body	2,3,4,7,8-PeCDF	2A	40	36	4	292	ng/kg	22.2	ng/kg	Y	0.0761
BIST015	LB032F1502	Gulf menhaden	Whole Body	2,3,4,7,8-PeCDF	2A	40	36	4	292	ng/kg	30.0	ng/kg	Y	0.103
BIST015	LB032F1505	Gulf menhaden	Whole Body	2,3,4,7,8-PeCDF	2A	40	36	4	292	ng/kg	16.6	ng/kg	Y	0.0569
BIST015	LB034F1504	Spotted seatrout	Whole Body	2,3,4,7,8-PeCDF	3B	40	36	4	292	ng/kg	1.06	ng/kg	Y	0.00363
BIST015	LB034F1501	Red drum	Whole Body	2,3,4,7,8-PeCDF	4B	72	61	11	177	ng/kg	0.0530	ng/kg	N	0.000300

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1501	Striped mullet	Whole Body	2,3,4,7,8-PeCDF	3A	40	36	4	292	ng/kg	54.1	ng/kg	Y	0.185
BIST015	LB034F1506	Atlantic croaker	Whole Body	2,3,4,7,8-PeCDF	3B	40	36	4	292	ng/kg	0.725	ng/kg	N	0.00249
BIST015	LB034F1503	Spotted seatrout	Whole Body	2,3,4,7,8-PeCDF	3B	40	36	4	292	ng/kg	0.794	ng/kg	Y	0.00272
BIST015	LB033F1503	Striped mullet	Whole Body	2,3,4,7,8-PeCDF	3A	40	36	4	292	ng/kg	41.9	ng/kg	Y	0.144
BIST015	LB033F1502	Striped mullet	Whole Body	2,3,4,7,8-PeCDF	3A	40	36	4	292	ng/kg	13.1	ng/kg	Y	0.0449
BIST017	LB031A1752	Mussels	Shellfish	2,3,4,7,8-PeCDF	I 1A	1	1	0	36.0	ng/kg	21.8	ng/kg	Y	0.606
BIST019	LB061F1903	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	17	15	2	203	ng/kg	4.11	ng/kg	Y	0.0203
BIST019	LB061F1901	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	17	15	2	203	ng/kg	4.11	ng/kg	Y	0.0203
BIST019	LB061F1902	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	17	15	2	203	ng/kg	4.64	ng/kg	Y	0.0229
BIST021	LB093F2103	Gizzard shad	Whole Body	2,3,4,7,8-PeCDF	4A	72	61	11	177	ng/kg	29.0	ng/kg	Y	0.164
BIST021	LB093F2102	Gizzard shad	Whole Body	2,3,4,7,8-PeCDF	4A	72	61	11	177	ng/kg	52.1	ng/kg	Y	0.295
BIST021	LB094F2103	Red drum	Whole Body	2,3,4,7,8-PeCDF	4B	72	61	11	177	ng/kg	0.0680	ng/kg	N	0.000385
BIST021	LB094F2120	Spotted seatrout	Whole Body	2,3,4,7,8-PeCDF	4B	72	61	11	177	ng/kg	0.517	ng/kg	Y	0.00293
BIST021	LB093F2104	Gizzard shad	Whole Body	2,3,4,7,8-PeCDF	4A	72	61	11	177	ng/kg	2.43	ng/kg	Y	0.0137
BIST021	LB094F2107	Atlantic croaker	Whole Body	2,3,4,7,8-PeCDF	3B	22	18	4	148	ng/kg	0.660	ng/kg	Y	0.00447
BIST027	PPGC1F2705	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	16	16	0	483	ng/kg	8.11	ng/kg	Y	0.0168
BIST027	PPGC1F2712	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	16	16	0	483	ng/kg	8.15	ng/kg	Y	0.0169
BIST027	PPGC1F2706	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	16	16	0	483	ng/kg	10.5	ng/kg	Y	0.0217
BIST029	PPGC1F2903	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	15	15	0	538	ng/kg	9.67	ng/kg	Y	0.0180
BIST029	PPGC1F2904	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	15	15	0	538	ng/kg	11.3	ng/kg	Y	0.0210
BIST029	PPGC1F2905	Gulf killifish	Whole Body	2,3,4,7,8-PeCDF	1	15	15	0	538	ng/kg	11.4	ng/kg	Y	0.0212
BISTC01	BAYD4C0103	Blue crab	Shellfish	2,3,4,7,8-PeCDF	I 2B	22	18	4	148	ng/kg	25.3	ng/kg	Y	0.171
BISTC01	BAYD4C0101	Blue crab	Shellfish	2,3,4,7,8-PeCDF	I 2B	22	18	4	148	ng/kg	20.5	ng/kg	Y	0.139
BISTC02	BAYD4C0203	Blue crab	Shellfish	2,3,4,7,8-PeCDF	I 2B	26	22	4	166	ng/kg	20.9	ng/kg	Y	0.126
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	2,3,4,7,8-PeCDF	3B	42	39	3	281	ng/kg	3.40	ng/kg	Y	0.0121
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	2,3,4,7,8-PeCDF	I 1A	1	1	0	520	ng/kg	16.0	ng/kg	Y	0.0308
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	2,3,4,7,8-PeCDF	I 1A	1	1	0	140	ng/kg	0.910	ng/kg	Y	0.00650
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	2,3,4,7,8-PeCDF	I 1B	1	1	0	57.0	ng/kg	3.29	ng/kg	Y	0.0577
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	2,3,4,7,8-PeCDF	I 1B	1	1	0	1380	ng/kg	4.72	ng/kg	Y	0.00342
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	2,3,4,7,8-PeCDF	I 1B	5	4	1	186	ng/kg	5.75	ng/kg	Y	0.0309
BIST004	UB041F0401	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	4	0	4	2.92	ng/kg	0.0939	ng/kg	Y	0.0321
BIST004	UB041F0402	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	4	0	4	2.92	ng/kg	0.0715	ng/kg	N	0.0245
BIST004	UB041F0404	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	4	0	4	2.92	ng/kg	0.0224	ng/kg	N	0.00767
BIST005	UB054F0505	Spotted seatrout	Whole Body	2,3,7,8-TCDD	3B	9	0	9	1.49	ng/kg	0.0946	ng/kg	Y	0.0633
BIST005	UB051F0510	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	3	0	3	0.391	ng/kg	0.0282	ng/kg	N	0.0722
BIST005	UB051F0518	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	3	0	3	0.391	ng/kg	0.0902	ng/kg	Y	0.231
BIST005	UB051F0508	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	3	0	3	0.391	ng/kg	0.0340	ng/kg	N	0.0870
BIST006	MB014F0601	Red drum	Whole Body	2,3,7,8-TCDD	4B	72	41	31	4.29	ng/kg	0.0308	ng/kg	N	0.00717
BIST006	MB014F0630	Sand seatrout	Whole Body	2,3,7,8-TCDD	3B	7	1	6	0.552	ng/kg	0.0130	ng/kg	N	0.0236
BIST006	MB012F0607	Spot	Whole Body	2,3,7,8-TCDD	2B	1	0	1	0.189	ng/kg	0.487	ng/kg	Y	2.58
BIST006	MB012F0601	Gulf menhaden	Whole Body	2,3,7,8-TCDD	2A	7	1	6	0.552	ng/kg	0.302	ng/kg	Y	0.548
BIST008	MB031V0807	Shrimp	Shellfish	2,3,7,8-TCDD	I 2A	12	5	7	1.09	ng/kg	0.0454	ng/kg	N	0.0415
BIST008	MB031V0801	Shrimp	Shellfish	2,3,7,8-TCDD	I 2A	12	5	7	1.09	ng/kg	0.0427	ng/kg	N	0.0391
BIST011	LB011F1101	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	12	10	2	11.5	ng/kg	0.166	ng/kg	Y	0.0144
BIST011	LB011F1103	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	12	10	2	11.5	ng/kg	0.143	ng/kg	Y	0.0124
BIST011	LB011F1105	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	12	10	2	11.5	ng/kg	0.115	ng/kg	Y	0.00996
BIST015	LB032F1502	Gulf menhaden	Whole Body	2,3,7,8-TCDD	2A	40	31	9	6.43	ng/kg	0.922	ng/kg	Y	0.143
BIST015	LB032F1505	Gulf menhaden	Whole Body	2,3,7,8-TCDD	2A	40	31	9	6.43	ng/kg	0.471	ng/kg	Y	0.0732
BIST015	LB032F1501	Gulf menhaden	Whole Body	2,3,7,8-TCDD	2A	40	31	9	6.43	ng/kg	0.739	ng/kg	Y	0.115
BIST015	LB032F1504	Spot	Whole Body	2,3,7,8-TCDD	2B	1	1	0	10.00	ng/kg	0.430	ng/kg	Y	0.0430

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1502	Striped mullet	Whole Body	2,3,7,8-TCDD	3A	40	31	9	6.43	ng/kg	0.626	ng/kg	Y	0.0973
BIST015	LB034F1504	Spotted seatrout	Whole Body	2,3,7,8-TCDD	3B	40	31	9	6.43	ng/kg	0.0265	ng/kg	N	0.00412
BIST015	LB033F1501	Striped mullet	Whole Body	2,3,7,8-TCDD	3A	40	31	9	6.43	ng/kg	1.99	ng/kg	Y	0.309
BIST015	LB034F1506	Atlantic croaker	Whole Body	2,3,7,8-TCDD	3B	40	31	9	6.43	ng/kg	0.441	ng/kg	N	0.0686
BIST015	LB033F1503	Striped mullet	Whole Body	2,3,7,8-TCDD	3A	40	31	9	6.43	ng/kg	1.24	ng/kg	Y	0.193
BIST015	LB034F1503	Spotted seatrout	Whole Body	2,3,7,8-TCDD	3B	40	31	9	6.43	ng/kg	0.0280	ng/kg	N	0.00435
BIST015	LB034F1501	Red drum	Whole Body	2,3,7,8-TCDD	4B	72	41	31	4.29	ng/kg	0.0241	ng/kg	N	0.00562
BIST017	LB031A1752	Mussels	Shellfish	2,3,7,8-TCDD	I 1A	1	0	1	0.850	ng/kg	0.307	ng/kg	Y	0.361
BIST019	LB061F1901	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	17	13	4	4.66	ng/kg	0.216	ng/kg	Y	0.0464
BIST019	LB061F1902	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	17	13	4	4.66	ng/kg	0.243	ng/kg	Y	0.0522
BIST019	LB061F1903	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	17	13	4	4.66	ng/kg	0.218	ng/kg	Y	0.0468
BIST021	LB094F2120	Spotted seatrout	Whole Body	2,3,7,8-TCDD	4B	72	41	31	4.29	ng/kg	0.0520	ng/kg	N	0.0121
BIST021	LB094F2103	Red drum	Whole Body	2,3,7,8-TCDD	4B	72	41	31	4.29	ng/kg	0.0382	ng/kg	N	0.00891
BIST021	LB093F2102	Gizzard shad	Whole Body	2,3,7,8-TCDD	4A	72	41	31	4.29	ng/kg	1.44	ng/kg	Y	0.336
BIST021	LB094F2107	Atlantic croaker	Whole Body	2,3,7,8-TCDD	3B	22	14	8	3.32	ng/kg	0.0525	ng/kg	N	0.0158
BIST021	LB093F2104	Gizzard shad	Whole Body	2,3,7,8-TCDD	4A	72	41	31	4.29	ng/kg	0.780	ng/kg	Y	0.182
BIST021	LB093F2103	Gizzard shad	Whole Body	2,3,7,8-TCDD	4A	72	41	31	4.29	ng/kg	1.28	ng/kg	Y	0.299
BIST027	PPGC1F2706	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	16	14	2	10.2	ng/kg	0.266	ng/kg	Y	0.0262
BIST027	PPGC1F2712	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	16	14	2	10.2	ng/kg	0.228	ng/kg	Y	0.0224
BIST027	PPGC1F2705	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	16	14	2	10.2	ng/kg	0.233	ng/kg	Y	0.0229
BIST029	PPGC1F2905	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	15	14	1	11.4	ng/kg	0.343	ng/kg	Y	0.0300
BIST029	PPGC1F2903	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	15	14	1	11.4	ng/kg	0.295	ng/kg	Y	0.0258
BIST029	PPGC1F2904	Gulf killifish	Whole Body	2,3,7,8-TCDD	1	15	14	1	11.4	ng/kg	0.330	ng/kg	Y	0.0288
BISTC01	BAYD4C0101	Blue crab	Shellfish	2,3,7,8-TCDD	I 2B	22	15	7	3.32	ng/kg	0.491	ng/kg	Y	0.148
BISTC01	BAYD4C0103	Blue crab	Shellfish	2,3,7,8-TCDD	I 2B	22	15	7	3.32	ng/kg	0.478	ng/kg	Y	0.144
BISTC02	BAYD4C0203	Blue crab	Shellfish	2,3,7,8-TCDD	I 2B	26	19	7	3.90	ng/kg	0.308	ng/kg	N	0.0791
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	2,3,7,8-TCDD	3B	42	33	9	6.14	ng/kg	0.195	ng/kg	N	0.0318
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	2,3,7,8-TCDD	I 1A	1	1	0	13.0	ng/kg	0.670	ng/kg	Y	0.0515
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	2,3,7,8-TCDD	I 1A	1	1	0	2.02	ng/kg	0.0500	ng/kg	N	0.0248
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	2,3,7,8-TCDD	I 1B	1	0	1	0.900	ng/kg	0.160	ng/kg	Y	0.178
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	2,3,7,8-TCDD	I 1B	1	1	0	33.2	ng/kg	0.150	ng/kg	Y	0.00452
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	2,3,7,8-TCDD	I 1B	5	4	1	4.61	ng/kg	0.170	ng/kg	Y	0.0369
BIST004	UB041F0402	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	4	3	1	10.0	ng/kg	0.838	ng/kg	Y	0.0835
BIST004	UB041F0404	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	4	3	1	10.0	ng/kg	0.735	ng/kg	Y	0.0732
BIST004	UB041F0401	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	4	3	1	10.0	ng/kg	0.907	ng/kg	Y	0.0903
BIST005	UB051F0510	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	3	3	0	11.2	ng/kg	1.14	ng/kg	Y	0.102
BIST005	UB051F0508	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	3	3	0	11.2	ng/kg	1.12	ng/kg	Y	0.0999
BIST005	UB054F0505	Spotted seatrout	Whole Body	2,3,7,8-TCDF	3B	9	8	1	10.6	ng/kg	1.74	ng/kg	Y	0.165
BIST005	UB051F0518	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	3	3	0	11.2	ng/kg	1.74	ng/kg	Y	0.155
BIST006	MB014F0601	Red drum	Whole Body	2,3,7,8-TCDF	4B	72	69	3	143	ng/kg	0.986	ng/kg	Y	0.00689
BIST006	MB012F0601	Gulf menhaden	Whole Body	2,3,7,8-TCDF	2A	7	7	0	16.0	ng/kg	6.00	ng/kg	Y	0.375
BIST006	MB012F0607	Spot	Whole Body	2,3,7,8-TCDF	2B	1	1	0	8.14	ng/kg	4.00	ng/kg	Y	0.491
BIST006	MB014F0630	Sand seatrout	Whole Body	2,3,7,8-TCDF	3B	7	7	0	16.0	ng/kg	0.875	ng/kg	Y	0.0547
BIST008	MB031V0807	Shrimp	Shellfish	2,3,7,8-TCDF	I 2A	12	12	0	40.3	ng/kg	5.15	ng/kg	Y	0.128
BIST008	MB031V0801	Shrimp	Shellfish	2,3,7,8-TCDF	I 2A	12	12	0	40.3	ng/kg	5.53	ng/kg	Y	0.137
BIST011	LB011F1105	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	12	12	0	399	ng/kg	5.01	ng/kg	Y	0.0126
BIST011	LB011F1103	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	12	12	0	399	ng/kg	5.51	ng/kg	Y	0.0138
BIST011	LB011F1101	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	12	12	0	399	ng/kg	5.97	ng/kg	Y	0.0150
BIST015	LB032F1501	Gulf menhaden	Whole Body	2,3,7,8-TCDF	2A	40	39	1	222	ng/kg	15.3	ng/kg	Y	0.0691
BIST015	LB032F1505	Gulf menhaden	Whole Body	2,3,7,8-TCDF	2A	40	39	1	222	ng/kg	13.4	ng/kg	Y	0.0605

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1504	Spot	Whole Body	2,3,7,8-TCDF	2B	1	1	0	880	ng/kg	3.90	ng/kg	Y	0.00443
BIST015	LB032F1502	Gulf menhaden	Whole Body	2,3,7,8-TCDF	2A	40	39	1	222	ng/kg	21.0	ng/kg	Y	0.0948
BIST015	LB033F1503	Striped mullet	Whole Body	2,3,7,8-TCDF	3A	40	39	1	222	ng/kg	118	ng/kg	Y	0.533
BIST015	LB034F1503	Spotted seatrout	Whole Body	2,3,7,8-TCDF	3B	40	39	1	222	ng/kg	3.43	ng/kg	Y	0.0155
BIST015	LB033F1502	Striped mullet	Whole Body	2,3,7,8-TCDF	3A	40	39	1	222	ng/kg	31.1	ng/kg	Y	0.140
BIST015	LB034F1506	Atlantic croaker	Whole Body	2,3,7,8-TCDF	3B	40	39	1	222	ng/kg	1.18	ng/kg	N	0.00530
BIST015	LB033F1501	Striped mullet	Whole Body	2,3,7,8-TCDF	3A	40	39	1	222	ng/kg	101	ng/kg	Y	0.456
BIST015	LB034F1504	Spotted seatrout	Whole Body	2,3,7,8-TCDF	3B	40	39	1	222	ng/kg	4.28	ng/kg	Y	0.0193
BIST015	LB034F1501	Red drum	Whole Body	2,3,7,8-TCDF	4B	72	69	3	143	ng/kg	0.271	ng/kg	Y	0.00189
BIST017	LB031A1752	Mussels	Shellfish	2,3,7,8-TCDF	I 1A	1	1	0	53.0	ng/kg	46.2	ng/kg	Y	0.872
BIST019	LB061F1903	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	17	16	1	123	ng/kg	3.95	ng/kg	Y	0.0321
BIST019	LB061F1901	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	17	16	1	123	ng/kg	4.32	ng/kg	Y	0.0351
BIST019	LB061F1902	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	17	16	1	123	ng/kg	4.77	ng/kg	Y	0.0387
BIST021	LB094F2103	Red drum	Whole Body	2,3,7,8-TCDF	4B	72	69	3	143	ng/kg	0.530	ng/kg	Y	0.00370
BIST021	LB093F2102	Gizzard shad	Whole Body	2,3,7,8-TCDF	4A	72	69	3	143	ng/kg	158	ng/kg	Y	1.10
BIST021	LB093F2103	Gizzard shad	Whole Body	2,3,7,8-TCDF	4A	72	69	3	143	ng/kg	92.9	ng/kg	Y	0.649
BIST021	LB093F2104	Gizzard shad	Whole Body	2,3,7,8-TCDF	4A	72	69	3	143	ng/kg	14.7	ng/kg	Y	0.103
BIST021	LB094F2107	Atlantic croaker	Whole Body	2,3,7,8-TCDF	3B	22	21	1	94.5	ng/kg	0.424	ng/kg	Y	0.00449
BIST021	LB094F2120	Spotted seatrout	Whole Body	2,3,7,8-TCDF	4B	72	69	3	143	ng/kg	3.67	ng/kg	Y	0.0256
BIST027	PPGC1F2705	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	16	16	0	330	ng/kg	11.6	ng/kg	Y	0.0352
BIST027	PPGC1F2706	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	16	16	0	330	ng/kg	16.2	ng/kg	Y	0.0491
BIST027	PPGC1F2712	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	16	16	0	330	ng/kg	11.9	ng/kg	Y	0.0361
BIST029	PPGC1F2904	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	15	15	0	407	ng/kg	17.6	ng/kg	Y	0.0432
BIST029	PPGC1F2905	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	15	15	0	407	ng/kg	17.1	ng/kg	Y	0.0420
BIST029	PPGC1F2903	Gulf killifish	Whole Body	2,3,7,8-TCDF	1	15	15	0	407	ng/kg	14.8	ng/kg	Y	0.0363
BISTC01	BAYD4C0101	Blue crab	Shellfish	2,3,7,8-TCDF	I 2B	22	21	1	93.8	ng/kg	59.6	ng/kg	Y	0.635
BISTC01	BAYD4C0103	Blue crab	Shellfish	2,3,7,8-TCDF	I 2B	22	21	1	93.8	ng/kg	69.7	ng/kg	Y	0.743
BISTC02	BAYD4C0203	Blue crab	Shellfish	2,3,7,8-TCDF	I 2B	26	25	1	107	ng/kg	57.9	ng/kg	Y	0.541
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	2,3,7,8-TCDF	3B	42	41	1	210	ng/kg	3.60	ng/kg	Y	0.0172
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	2,3,7,8-TCDF	I 1A	1	1	0	210	ng/kg	43.0	ng/kg	Y	0.205
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	2,3,7,8-TCDF	I 1A	1	1	0	107	ng/kg	3.28	ng/kg	Y	0.0307
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	2,3,7,8-TCDF	I 1B	1	1	0	78.0	ng/kg	4.75	ng/kg	Y	0.0609
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	2,3,7,8-TCDF	I 1B	1	1	0	793	ng/kg	6.21	ng/kg	Y	0.00783
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	2,3,7,8-TCDF	I 1B	5	4	1	90.1	ng/kg	5.78	ng/kg	Y	0.0641
BIST004	UB041F0401	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	0	14	832	ug/kg	100.0	ug/kg	N	0.120
BIST004	UB041F0404	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	0	14	832	ug/kg	100.0	ug/kg	N	0.120
BIST004	UB041F0402	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	0	14	832	ug/kg	20.0	ug/kg	N	0.0240
BIST005	UB051F0504	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB052F0501	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	32	1	31	678	ug/kg	100.0	ug/kg	N	0.147
BIST005	UB054F0514	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	20.0	ug/kg	N	0.0190
BIST005	UB051F0511	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0502	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB054F0503	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB054F0504	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB054F0506	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	32	1	31	678	ug/kg	25.0	ug/kg	N	0.0369
BIST005	UB051F0509	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB051F0516	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0525	Sailfin molly	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	60.0	ug/kg	N	0.0670
BIST005	UB051F0523	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB054F0508	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	32	1	31	678	ug/kg	25.0	ug/kg	N	0.0369

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0502	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB051F0518	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0507	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	32	1	31	678	ug/kg	25.0	ug/kg	N	0.0369
BIST005	UB054F0501	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	20.0	ug/kg	N	0.0190
BIST005	UB054F0516	Skipjack herring	Whole Body	2-Methylnaphthalene	3A	32	1	31	678	ug/kg	91.0	ug/kg	Y	0.134
BIST005	UB051F0505	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0503	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0508	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0515	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB051F0501	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0520	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0512	Sailfin molly	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	80.0	ug/kg	N	0.0894
BIST005	UB051F0510	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0505	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	32	1	31	678	ug/kg	25.0	ug/kg	N	0.0369
BIST005	UB051F0515	Gulf killifish	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	100.0	ug/kg	N	0.112
BIST005	UB054F0511	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	32	1	31	678	ug/kg	25.0	ug/kg	Y	0.0369
BIST005	UB051F0517	Sheepshead minnow	Whole Body	2-Methylnaphthalene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST006	MB012F0602	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	60.0	ug/kg	N	0.0834
BIST006	MB012F0603	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	40.0	ug/kg	N	0.0556
BIST006	MB011F0624	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	1	13	377	ug/kg	100.0	ug/kg	N	0.265
BIST006	MB014F0612	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0601	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	80.0	ug/kg	N	0.111
BIST006	MB012F0610	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	60.0	ug/kg	N	0.0834
BIST006	MB012F0605	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	80.0	ug/kg	N	0.111
BIST006	MB011F0605	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	1	13	377	ug/kg	100.0	ug/kg	N	0.265
BIST006	MB012F0613	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	20.0	ug/kg	N	0.0278
BIST006	MB011F0607	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	1	13	377	ug/kg	200	ug/kg	N	0.531
BIST006	MB014F0630	Sand seatrout	Whole Body	2-Methylnaphthalene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0609	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	160	ug/kg	N	0.222
BIST006	MB014F0604	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	31	1	30	720	ug/kg	26.0	ug/kg	Y	0.0361
BIST006	MB014F0608	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0611	Spot	Whole Body	2-Methylnaphthalene	2B	3	1	2	277	ug/kg	60.0	ug/kg	N	0.217
BIST006	MB014F0615	Sand seatrout	Whole Body	2-Methylnaphthalene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB014F0601	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST006	MB012F0606	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	31	1	30	720	ug/kg	60.0	ug/kg	N	0.0834
BIST006	MB014F0603	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB014F0602	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST006	MB014F0605	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST006	MB014F0628	White mullet	Whole Body	2-Methylnaphthalene	3A	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB011F0615	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	1	13	377	ug/kg	200	ug/kg	N	0.531
BIST006	MB012F0619	Spot	Whole Body	2-Methylnaphthalene	2B	3	1	2	277	ug/kg	60.0	ug/kg	N	0.217
BIST006	MB012F0607	Spot	Whole Body	2-Methylnaphthalene	2B	3	1	2	277	ug/kg	80.0	ug/kg	N	0.289
BIST006	MB011F0616	Gulf killifish	Whole Body	2-Methylnaphthalene	1	14	1	13	377	ug/kg	100.0	ug/kg	N	0.265
BIST007	MB011F0703	Gulf killifish	Whole Body	2-Methylnaphthalene	1	11	1	10	471	ug/kg	100.0	ug/kg	N	0.212
BIST007	MB011F0706	Gulf killifish	Whole Body	2-Methylnaphthalene	1	11	1	10	471	ug/kg	100.0	ug/kg	N	0.212
BIST007	MB011F0702	Gulf killifish	Whole Body	2-Methylnaphthalene	1	11	1	10	471	ug/kg	100.0	ug/kg	N	0.212
BIST007	MB011F0708	Gulf killifish	Whole Body	2-Methylnaphthalene	1	11	1	10	471	ug/kg	100.0	ug/kg	N	0.212
BIST007	MB011F0704	Gulf killifish	Whole Body	2-Methylnaphthalene	1	11	1	10	471	ug/kg	100.0	ug/kg	N	0.212
BIST008	MB031F0805	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	480	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0801	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	200	ug/kg	N	0.360

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0803	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	480	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0803	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	200	ug/kg	N	0.360
BIST008	MB031V0810	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031V0817	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031F0804	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	480	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031F0811	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	480	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0802	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	40.0	ug/kg	N	0.0720
BIST008	MB031V0819	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031V0808	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031V0813	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	200	ug/kg	N	0.360
BIST008	MB031V0816	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031F0806	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	480	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0812	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031V0807	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031V0811	Shrimp	Shellfish	2-Methylnaphthalene	I 2A	46	3	43	555	ug/kg	20.0	ug/kg	N	0.0360
BIST010	MB031F1001	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	474	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1006	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	474	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1013	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	474	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1004	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	474	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1009	Gulf killifish	Whole Body	2-Methylnaphthalene	1	19	2	17	474	ug/kg	100.0	ug/kg	N	0.211
BIST011	LB011F1103	Gulf killifish	Whole Body	2-Methylnaphthalene	1	27	3	24	569	ug/kg	200	ug/kg	N	0.351
BIST011	LB011F1105	Gulf killifish	Whole Body	2-Methylnaphthalene	1	27	3	24	569	ug/kg	200	ug/kg	N	0.351
BIST011	LB011F1101	Gulf killifish	Whole Body	2-Methylnaphthalene	1	27	3	24	569	ug/kg	200	ug/kg	N	0.351
BIST012	LB011F1204	Gulf killifish	Whole Body	2-Methylnaphthalene	1	30	3	27	611	ug/kg	20.0	ug/kg	N	0.0327
BIST012	LB011F1201	Gulf killifish	Whole Body	2-Methylnaphthalene	1	30	3	27	611	ug/kg	200	ug/kg	N	0.327
BIST012	LB011F1202	Gulf killifish	Whole Body	2-Methylnaphthalene	1	30	3	27	611	ug/kg	100.0	ug/kg	N	0.164
BIST013	LB011F1302	Gulf killifish	Whole Body	2-Methylnaphthalene	1	31	4	27	530	ug/kg	40.0	ug/kg	N	0.0754
BIST013	LB011F1301	Gulf killifish	Whole Body	2-Methylnaphthalene	1	31	4	27	530	ug/kg	100.0	ug/kg	N	0.189
BIST013	LB011F1305	Gulf killifish	Whole Body	2-Methylnaphthalene	1	31	4	27	530	ug/kg	100.0	ug/kg	N	0.189
BIST015	LB032F1501	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	121	7	114	1550	ug/kg	80.0	ug/kg	N	0.0516
BIST015	LB031F1506	Gulf killifish	Whole Body	2-Methylnaphthalene	1	37	2	35	3810	ug/kg	100.0	ug/kg	N	0.0263
BIST015	LB032F1505	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	121	7	114	1550	ug/kg	60.0	ug/kg	N	0.0387
BIST015	LB031F1502	Gulf killifish	Whole Body	2-Methylnaphthalene	1	37	2	35	3810	ug/kg	100.0	ug/kg	N	0.0263
BIST015	LB032F1506	Spot	Whole Body	2-Methylnaphthalene	2B	3	0	3	4120	ug/kg	40.0	ug/kg	N	0.00972
BIST015	LB032F1502	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	121	7	114	1550	ug/kg	80.0	ug/kg	N	0.0516
BIST015	LB032F1503	Threadfin shad	Whole Body	2-Methylnaphthalene	2A	121	7	114	1550	ug/kg	80.0	ug/kg	N	0.0516
BIST015	LB032F1507	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	121	7	114	1550	ug/kg	40.0	ug/kg	N	0.0258
BIST015	LB031F1504	Gulf killifish	Whole Body	2-Methylnaphthalene	1	37	2	35	3810	ug/kg	200	ug/kg	N	0.0525
BIST015	LB033F1506	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	26.0	ug/kg	Y	0.0168
BIST015	LB033F1513	Striped mullet	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1503	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1512	Striped mullet	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1505	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1511	Striped mullet	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1502	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1514	Striped mullet	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB034F1506	Atlantic croaker	Whole Body	2-Methylnaphthalene	3B	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1515	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	100.0	ug/kg	Y	0.0645
BIST015	LB033F1510	Striped mullet	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB034F1504	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1507	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	68.0	ug/kg	Y	0.0439
BIST015	LB033F1501	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	100.0	ug/kg	Y	0.0645
BIST015	LB033F1509	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1517	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1508	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1505	Spotted seatrout	Whole Body	2-Methylnaphthalene	3B	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1504	Striped mullet	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1502	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB034F1501	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1518	Gulf menhaden	Whole Body	2-Methylnaphthalene	3A	121	7	114	1550	ug/kg	49.0	ug/kg	Y	0.0316
BIST016	LB031F1610	Gulf killifish	Whole Body	2-Methylnaphthalene	1	49	4	45	3020	ug/kg	20.0	ug/kg	N	0.00661
BIST016	LB031F1601	Gulf killifish	Whole Body	2-Methylnaphthalene	1	49	4	45	3020	ug/kg	200	ug/kg	N	0.0661
BIST016	LB031F1602	Gulf killifish	Whole Body	2-Methylnaphthalene	1	49	4	45	3020	ug/kg	20.0	ug/kg	N	0.00661
BIST017	LB031F1704	Gulf killifish	Whole Body	2-Methylnaphthalene	1	18	2	16	6990	ug/kg	40.0	ug/kg	N	0.00573
BIST017	LB031F1703	Gulf killifish	Whole Body	2-Methylnaphthalene	1	18	2	16	6990	ug/kg	60.0	ug/kg	N	0.00859
BIST017	LB031A1754	Mussels	Shellfish	2-Methylnaphthalene	I 1A	1	1	0	97.2	ug/kg	100.0	ug/kg	N	1.03
BIST017	LB031A1753	Mussels	Shellfish	2-Methylnaphthalene	I 1A	1	1	0	97.2	ug/kg	100.0	ug/kg	N	1.03
BIST017	LB031A1752	Mussels	Shellfish	2-Methylnaphthalene	I 1A	1	1	0	97.2	ug/kg	100.0	ug/kg	N	1.03
BIST017	LB031F1702	Gulf killifish	Whole Body	2-Methylnaphthalene	1	18	2	16	6990	ug/kg	500	ug/kg	N	0.0716
BIST019	LB061F1901	Gulf killifish	Whole Body	2-Methylnaphthalene	1	37	2	35	674	ug/kg	20.0	ug/kg	N	0.0297
BIST019	LB061F1903	Gulf killifish	Whole Body	2-Methylnaphthalene	1	37	2	35	674	ug/kg	20.0	ug/kg	N	0.0297
BIST019	LB061F1902	Gulf killifish	Whole Body	2-Methylnaphthalene	1	37	2	35	674	ug/kg	200	ug/kg	N	0.297
BIST021	LB093F2106	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2141	Pinfish	Whole Body	2-Methylnaphthalene	3B	64	1	63	640	ug/kg	25.0	ug/kg	N	0.0390
BIST021	LB094F2115	Black Drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2103	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2107	Atlantic croaker	Whole Body	2-Methylnaphthalene	3B	64	1	63	640	ug/kg	25.0	ug/kg	N	0.0390
BIST021	LB094F2118	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2120	Spotted seatrout	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2108	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2107	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2104	Red drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2122	Spotted seatrout	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2103	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2151	Spotted seatrout	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2102	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2121	Spotted seatrout	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2101	Striped mullet	Whole Body	2-Methylnaphthalene	3A	64	1	63	640	ug/kg	25.0	ug/kg	N	0.0390
BIST021	LB093F2105	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2134	Pinfish	Whole Body	2-Methylnaphthalene	3B	64	1	63	640	ug/kg	25.0	ug/kg	N	0.0390
BIST021	LB094F2124	Spotted seatrout	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2104	Gizzard shad	Whole Body	2-Methylnaphthalene	4A	249	13	236	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST024	LB131F2408	Gulf killifish	Whole Body	2-Methylnaphthalene	1	45	3	42	546	ug/kg	200	ug/kg	N	0.366
BIST024	LB131F2406	Gulf killifish	Whole Body	2-Methylnaphthalene	1	45	3	42	546	ug/kg	200	ug/kg	N	0.366
BIST024	LB131F2402	Gulf killifish	Whole Body	2-Methylnaphthalene	1	45	3	42	546	ug/kg	100.0	ug/kg	N	0.183
BIST025	LB131F2502	Gulf killifish	Whole Body	2-Methylnaphthalene	1	45	3	42	834	ug/kg	200	ug/kg	N	0.240
BIST025	LB131F2503	Sheepshead minnow	Whole Body	2-Methylnaphthalene	1	45	3	42	834	ug/kg	400	ug/kg	N	0.480
BIST025	LB132F2502	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	113	8	105	1620	ug/kg	20.0	ug/kg	N	0.0123
BIST025	LB132F2503	Spot	Whole Body	2-Methylnaphthalene	2B	2	1	1	210	ug/kg	60.0	ug/kg	N	0.286
BIST025	LB132F2501	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	113	8	105	1620	ug/kg	80.0	ug/kg	N	0.0493

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST026	LB131F2601	Gulf killifish	Whole Body	2-Methylnaphthalene	1	40	5	35	864	ug/kg	40.0	ug/kg	N	0.0463
BIST026	LB131F2604	Gulf killifish	Whole Body	2-Methylnaphthalene	1	40	5	35	864	ug/kg	100.0	ug/kg	N	0.116
BIST027	PPGC1F2712	Gulf killifish	Whole Body	2-Methylnaphthalene	1	26	3	23	559	ug/kg	200	ug/kg	N	0.358
BIST027	PPGC1F2705	Gulf killifish	Whole Body	2-Methylnaphthalene	1	26	3	23	559	ug/kg	200	ug/kg	N	0.358
BIST027	PPGC1F2706	Gulf killifish	Whole Body	2-Methylnaphthalene	1	26	3	23	559	ug/kg	40.0	ug/kg	N	0.0715
BIST028	PPGC1F2803	Gulf killifish	Whole Body	2-Methylnaphthalene	1	24	2	22	4780	ug/kg	100.0	ug/kg	N	0.0209
BIST028	PPGC1F2806	Gulf killifish	Whole Body	2-Methylnaphthalene	1	24	2	22	4780	ug/kg	40.0	ug/kg	N	0.00837
BIST028	PPGC1F2802	Gulf killifish	Whole Body	2-Methylnaphthalene	1	24	2	22	4780	ug/kg	200	ug/kg	N	0.0418
BIST029	PPGC1F2903	Gulf killifish	Whole Body	2-Methylnaphthalene	1	25	3	22	774	ug/kg	200	ug/kg	N	0.258
BIST029	PPGC1F2905	Gulf killifish	Whole Body	2-Methylnaphthalene	1	25	3	22	774	ug/kg	20.0	ug/kg	N	0.0258
BIST029	PPGC1F2904	Gulf killifish	Whole Body	2-Methylnaphthalene	1	25	3	22	774	ug/kg	200	ug/kg	N	0.258
BISTC01	BAYD4C0103	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	64	3	61	618	ug/kg	20.0	ug/kg	N	0.0324
BISTC01	BAYD4C0101	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	64	3	61	618	ug/kg	20.0	ug/kg	N	0.0324
BISTC02	BAYD4C0203	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	71	3	68	613	ug/kg	20.0	ug/kg	N	0.0327
BISTC02	BAYD4C0201	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	71	3	68	613	ug/kg	20.0	ug/kg	N	0.0327
BISTC02	BAYD4C0205	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	71	3	68	613	ug/kg	20.0	ug/kg	N	0.0327
BISTC03	BAYD4C0302	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	100	5	95	1760	ug/kg	20.0	ug/kg	N	0.0113
BISTC05	BAYD4C0502	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	105	8	97	1670	ug/kg	20.0	ug/kg	N	0.0120
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	2-Methylnaphthalene	2A	73	4	69	550	ug/kg	1000	ug/kg	N	1.82
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	2-Methylnaphthalene	I 2B	75	4	71	574	ug/kg	1000	ug/kg	N	1.74
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	2-Methylnaphthalene	3B	115	8	107	1590	ug/kg	500	ug/kg	N	0.314
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	2-Methylnaphthalene	3B	115	8	107	1590	ug/kg	1000	ug/kg	N	0.627
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	2-Methylnaphthalene	4B	249	13	236	1050	ug/kg	500	ug/kg	N	0.475
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	2-Methylnaphthalene	3B	115	8	107	1590	ug/kg	1000	ug/kg	N	0.627
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	2-Methylnaphthalene	3B	115	8	107	1600	ug/kg	500	ug/kg	N	0.313
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	2-Methylnaphthalene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	2-Methylnaphthalene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	2-Methylnaphthalene	I 1A	1	0	1	285	ug/kg	0.780	ug/kg	Y	0.00274
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	2-Methylnaphthalene	I 1A	1	0	1	285	ug/kg	0.890	ug/kg	Y	0.00312
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	2-Methylnaphthalene	I 1A	1	0	1	420	ug/kg	1.20	ug/kg	Y	0.00286
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	2-Methylnaphthalene	I 1A	1	0	1	420	ug/kg	0.720	ug/kg	Y	0.00171
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	2-Methylnaphthalene	I 1A	1	0	1	485	ug/kg	1.20	ug/kg	Y	0.00247
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	2-Methylnaphthalene	I 1B	1	0	1	500	ug/kg	0.570	ug/kg	Y	0.00114
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	2-Methylnaphthalene	I 1B	1	0	1	550	ug/kg	3.20	ug/kg	Y	0.00582
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	2-Methylnaphthalene	I 1B	3	0	3	363	ug/kg	4.00	ug/kg	Y	0.0110
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	2-Methylnaphthalene	I 1B	3	1	2	86.3	ug/kg	2.70	ug/kg	Y	0.0313
BIST004	UB041F0401	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0404	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0402	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST005	UB052F0501	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0506	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0508	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0520	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0523	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0507	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0511	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0525	Sailfin molly	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0505	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0508	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0502	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0503	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0502	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0516	Skipjack herring	Whole Body	4,4'-DDD	3A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0505	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0501	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST005	UB051F0509	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0514	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST005	UB051F0515	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0511	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0504	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST005	UB051F0510	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0518	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0516	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0515	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST005	UB051F0501	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0512	Sailfin molly	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0504	Gulf killifish	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0517	Sheepshead minnow	Whole Body	4,4'-DDD	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0503	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST006	MB011F0607	Gulf killifish	Whole Body	4,4'-DDD	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB011F0605	Gulf killifish	Whole Body	4,4'-DDD	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0603	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0613	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB011F0616	Gulf killifish	Whole Body	4,4'-DDD	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0612	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB014F0608	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB014F0605	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST006	MB014F0602	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST006	MB012F0610	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0619	Spot	Whole Body	4,4'-DDD	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB011F0624	Gulf killifish	Whole Body	4,4'-DDD	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB011F0615	Gulf killifish	Whole Body	4,4'-DDD	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0611	Spot	Whole Body	4,4'-DDD	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB014F0604	Spotted seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0606	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB014F0630	Sand seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0604	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0605	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0603	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0601	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB014F0601	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST006	MB012F0609	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0602	Gulf menhaden	Whole Body	4,4'-DDD	2A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB012F0607	Spot	Whole Body	4,4'-DDD	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB014F0615	Sand seatrout	Whole Body	4,4'-DDD	3B	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST006	MB014F0628	White mullet	Whole Body	4,4'-DDD	3A	31	0	31	4.44	ug/kg	5.00	ug/kg	N	1.13
BIST007	MB011F0708	Gulf killifish	Whole Body	4,4'-DDD	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0702	Gulf killifish	Whole Body	4,4'-DDD	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0704	Gulf killifish	Whole Body	4,4'-DDD	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0703	Gulf killifish	Whole Body	4,4'-DDD	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST007	MB011F0706	Gulf killifish	Whole Body	4,4'-DDD	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0811	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0801	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031F0805	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.02	ug/kg	5.00	ug/kg	N	0.624
BIST008	MB031V0808	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0803	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	50.0	ug/kg	N	7.94
BIST008	MB031V0817	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031F0803	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.02	ug/kg	5.00	ug/kg	N	0.624
BIST008	MB031V0810	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0816	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031F0811	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.02	ug/kg	5.00	ug/kg	N	0.624
BIST008	MB031V0802	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	50.0	ug/kg	N	7.94
BIST008	MB031F0804	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.02	ug/kg	5.00	ug/kg	N	0.624
BIST008	MB031V0807	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0812	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0813	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0819	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	5.00	ug/kg	N	0.794
BIST008	MB031V0818	Shrimp	Shellfish	4,4'-DDD	I 2A	45	3	42	6.30	ug/kg	50.0	ug/kg	N	7.94
BIST008	MB031F0806	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.02	ug/kg	5.00	ug/kg	N	0.624
BIST010	MB031F1001	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.00	ug/kg	5.00	ug/kg	N	0.625
BIST010	MB031F1013	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.00	ug/kg	5.00	ug/kg	N	0.625
BIST010	MB031F1004	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.00	ug/kg	5.00	ug/kg	N	0.625
BIST010	MB031F1006	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.00	ug/kg	5.00	ug/kg	N	0.625
BIST010	MB031F1009	Gulf killifish	Whole Body	4,4'-DDD	1	20	1	19	8.00	ug/kg	5.00	ug/kg	N	0.625
BIST011	LB011F1103	Gulf killifish	Whole Body	4,4'-DDD	1	27	9	18	28.6	ug/kg	5.00	ug/kg	N	0.175
BIST011	LB011F1101	Gulf killifish	Whole Body	4,4'-DDD	1	27	9	18	28.6	ug/kg	5.00	ug/kg	N	0.175
BIST011	LB011F1105	Gulf killifish	Whole Body	4,4'-DDD	1	27	9	18	28.6	ug/kg	5.00	ug/kg	N	0.175
BIST012	LB011F1204	Gulf killifish	Whole Body	4,4'-DDD	1	30	10	20	27.2	ug/kg	5.00	ug/kg	N	0.184
BIST012	LB011F1202	Gulf killifish	Whole Body	4,4'-DDD	1	30	10	20	27.2	ug/kg	5.00	ug/kg	N	0.184
BIST012	LB011F1201	Gulf killifish	Whole Body	4,4'-DDD	1	30	10	20	27.2	ug/kg	5.00	ug/kg	N	0.184
BIST013	LB011F1305	Gulf killifish	Whole Body	4,4'-DDD	1	30	10	20	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST013	LB011F1302	Gulf killifish	Whole Body	4,4'-DDD	1	30	10	20	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST013	LB011F1301	Gulf killifish	Whole Body	4,4'-DDD	1	30	10	20	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST015	LB032F1502	Gulf menhaden	Whole Body	4,4'-DDD	2A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB032F1505	Gulf menhaden	Whole Body	4,4'-DDD	2A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB032F1506	Spot	Whole Body	4,4'-DDD	2B	3	1	2	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST015	LB032F1501	Gulf menhaden	Whole Body	4,4'-DDD	2A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB031F1504	Gulf killifish	Whole Body	4,4'-DDD	1	24	7	17	19.4	ug/kg	5.00	ug/kg	N	0.258
BIST015	LB031F1506	Gulf killifish	Whole Body	4,4'-DDD	1	24	7	17	19.4	ug/kg	5.00	ug/kg	N	0.258
BIST015	LB031F1502	Gulf killifish	Whole Body	4,4'-DDD	1	24	7	17	19.4	ug/kg	5.00	ug/kg	N	0.258
BIST015	LB032F1507	Gulf menhaden	Whole Body	4,4'-DDD	2A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB032F1504	Spot	Whole Body	4,4'-DDD	2B	3	1	2	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST015	LB032F1503	Threadfin shad	Whole Body	4,4'-DDD	2A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1509	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	8.50	ug/kg	N	0.412
BIST015	LB033F1516	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1501	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1517	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	21.0	ug/kg	N	1.02
BIST015	LB034F1504	Spotted seatrout	Whole Body	4,4'-DDD	3B	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1512	Striped mullet	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST015	LB033F1518	Gulf menhaden	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1514	Striped mullet	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST015	LB033F1515	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1511	Striped mullet	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	12.0	ug/kg	Y	1.02
BIST015	LB034F1505	Spotted seatrout	Whole Body	4,4'-DDD	3B	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB034F1501	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST015	LB034F1506	Atlantic croaker	Whole Body	4,4'-DDD	3B	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB034F1502	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST015	LB033F1513	Striped mullet	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	8.50	ug/kg	N	0.723
BIST015	LB033F1503	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	21.0	ug/kg	N	1.02
BIST015	LB033F1502	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1510	Striped mullet	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST015	LB033F1508	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1504	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1505	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST015	LB033F1507	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	21.0	ug/kg	N	1.02
BIST015	LB033F1506	Striped mullet	Whole Body	4,4'-DDD	3A	88	23	65	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST016	LB031F1610	Gulf killifish	Whole Body	4,4'-DDD	1	35	13	22	23.2	ug/kg	5.00	ug/kg	N	0.216
BIST016	LB031F1601	Gulf killifish	Whole Body	4,4'-DDD	1	35	13	22	23.2	ug/kg	5.00	ug/kg	N	0.216
BIST016	LB031F1602	Gulf killifish	Whole Body	4,4'-DDD	1	35	13	22	23.2	ug/kg	5.00	ug/kg	N	0.216
BIST017	LB031A1753	Mussels	Shellfish	4,4'-DDD	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	4,4'-DDD	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1752	Mussels	Shellfish	4,4'-DDD	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	4,4'-DDD	1	11	4	7	29.6	ug/kg	5.00	ug/kg	N	0.169
BIST017	LB031F1704	Gulf killifish	Whole Body	4,4'-DDD	1	11	4	7	29.6	ug/kg	5.00	ug/kg	N	0.169
BIST017	LB031F1703	Gulf killifish	Whole Body	4,4'-DDD	1	11	4	7	29.6	ug/kg	5.00	ug/kg	N	0.169
BIST019	LB061F1903	Gulf killifish	Whole Body	4,4'-DDD	1	26	10	16	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST019	LB061F1901	Gulf killifish	Whole Body	4,4'-DDD	1	26	10	16	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST019	LB061F1902	Gulf killifish	Whole Body	4,4'-DDD	1	26	10	16	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST021	LB094F2115	Black Drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2134	Pinfish	Whole Body	4,4'-DDD	3B	42	10	32	13.6	ug/kg	5.00	ug/kg	N	0.368
BIST021	LB093F2107	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2141	Pinfish	Whole Body	4,4'-DDD	3B	42	10	32	13.6	ug/kg	5.00	ug/kg	N	0.368
BIST021	LB093F2108	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2107	Atlantic croaker	Whole Body	4,4'-DDD	3B	42	10	32	13.6	ug/kg	5.00	ug/kg	N	0.368
BIST021	LB094F2151	Spotted seatrout	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2104	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2101	Spotted seatrout	Whole Body	4,4'-DDD	3B	42	10	32	13.6	ug/kg	5.00	ug/kg	N	0.368
BIST021	LB094F2103	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB093F2105	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2124	Spotted seatrout	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB093F2106	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB093F2103	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB093F2102	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB093F2104	Gizzard shad	Whole Body	4,4'-DDD	4A	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB093F2101	Striped mullet	Whole Body	4,4'-DDD	3A	42	10	32	13.6	ug/kg	5.00	ug/kg	N	0.368
BIST021	LB094F2118	Red drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2121	Spotted seatrout	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2122	Spotted seatrout	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST021	LB094F2120	Spotted seatrout	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	5.00	ug/kg	N	0.426
BIST024	LB131F2402	Gulf killifish	Whole Body	4,4'-DDD	1	32	10	22	16.4	ug/kg	5.00	ug/kg	N	0.306

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST024	LB131F2408	Gulf killifish	Whole Body	4,4'-DDD	1	32	10	22	16.4	ug/kg	5.00	ug/kg	N	0.306
BIST024	LB131F2406	Gulf killifish	Whole Body	4,4'-DDD	1	32	10	22	16.4	ug/kg	5.00	ug/kg	N	0.306
BIST025	LB132F2503	Spot	Whole Body	4,4'-DDD	2B	2	2	0	35.5	ug/kg	5.00	ug/kg	N	0.141
BIST025	LB132F2501	Gulf menhaden	Whole Body	4,4'-DDD	2A	86	25	61	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST025	LB132F2502	Gulf menhaden	Whole Body	4,4'-DDD	2A	86	25	61	20.6	ug/kg	5.00	ug/kg	N	0.242
BIST025	LB131F2503	Sheepshead minnow	Whole Body	4,4'-DDD	1	33	13	20	16.9	ug/kg	5.00	ug/kg	N	0.295
BIST025	LB131F2501	Gulf killifish	Whole Body	4,4'-DDD	1	33	13	20	16.9	ug/kg	5.00	ug/kg	N	0.295
BIST025	LB131F2502	Gulf killifish	Whole Body	4,4'-DDD	1	33	13	20	16.9	ug/kg	5.00	ug/kg	N	0.295
BIST026	LB131F2601	Gulf killifish	Whole Body	4,4'-DDD	1	34	13	21	30.0	ug/kg	5.00	ug/kg	N	0.167
BIST026	LB131F2604	Gulf killifish	Whole Body	4,4'-DDD	1	34	13	21	30.0	ug/kg	5.00	ug/kg	N	0.167
BIST027	PPGC1F2705	Gulf killifish	Whole Body	4,4'-DDD	1	27	9	18	29.7	ug/kg	5.00	ug/kg	N	0.168
BIST027	PPGC1F2706	Gulf killifish	Whole Body	4,4'-DDD	1	27	9	18	29.7	ug/kg	5.00	ug/kg	N	0.168
BIST027	PPGC1F2712	Gulf killifish	Whole Body	4,4'-DDD	1	27	9	18	29.7	ug/kg	5.00	ug/kg	N	0.168
BIST028	PPGC1F2802	Gulf killifish	Whole Body	4,4'-DDD	1	22	5	17	30.5	ug/kg	5.00	ug/kg	N	0.164
BIST028	PPGC1F2803	Gulf killifish	Whole Body	4,4'-DDD	1	22	5	17	30.5	ug/kg	5.00	ug/kg	N	0.164
BIST028	PPGC1F2806	Gulf killifish	Whole Body	4,4'-DDD	1	22	5	17	30.5	ug/kg	5.00	ug/kg	N	0.164
BIST029	PPGC1F2903	Gulf killifish	Whole Body	4,4'-DDD	1	25	9	16	32.0	ug/kg	5.00	ug/kg	N	0.156
BIST029	PPGC1F2904	Gulf killifish	Whole Body	4,4'-DDD	1	25	9	16	32.0	ug/kg	5.00	ug/kg	N	0.156
BIST029	PPGC1F2905	Gulf killifish	Whole Body	4,4'-DDD	1	25	9	16	32.0	ug/kg	5.00	ug/kg	N	0.156
BISTC01	BAYD4C0101	Blue crab	Shellfish	4,4'-DDD	I 2B	43	10	33	15.0	ug/kg	26.0	ug/kg	Y	1.73
BISTC01	BAYD4C0103	Blue crab	Shellfish	4,4'-DDD	I 2B	43	10	33	15.0	ug/kg	29.0	ug/kg	Y	1.93
BISTC02	BAYD4C0205	Blue crab	Shellfish	4,4'-DDD	I 2B	49	11	38	14.5	ug/kg	5.00	ug/kg	N	0.346
BISTC02	BAYD4C0203	Blue crab	Shellfish	4,4'-DDD	I 2B	49	11	38	14.5	ug/kg	5.00	ug/kg	N	0.346
BISTC02	BAYD4C0201	Blue crab	Shellfish	4,4'-DDD	I 2B	49	11	38	14.5	ug/kg	5.00	ug/kg	N	0.346
BISTC03	BAYD4C0302	Blue crab	Shellfish	4,4'-DDD	I 2B	67	17	50	15.9	ug/kg	5.00	ug/kg	N	0.315
BISTC05	BAYD4C0502	Blue crab	Shellfish	4,4'-DDD	I 2B	87	26	61	19.9	ug/kg	16.0	ug/kg	Y	0.803
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	4,4'-DDD	2A	73	16	57	14.6	ug/kg	3.00	ug/kg	N	0.206
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	4,4'-DDD	I 2B	71	20	51	17.0	ug/kg	3.00	ug/kg	N	0.176
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	4,4'-DDD	3B	87	25	62	20.2	ug/kg	3.00	ug/kg	N	0.149
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	4,4'-DDD	4B	208	36	172	11.8	ug/kg	3.00	ug/kg	N	0.255
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	4,4'-DDD	3B	87	25	62	20.2	ug/kg	3.00	ug/kg	N	0.149
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	4,4'-DDD	3B	87	25	62	20.2	ug/kg	3.00	ug/kg	N	0.149
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	4,4'-DDD	3B	87	25	62	20.5	ug/kg	3.00	ug/kg	N	0.147
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	4,4'-DDD	I 1A	1	1	0	4.60	ug/kg	3.00	ug/kg	N	0.652
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	4,4'-DDD	I 1B	2	1	1	10.3	ug/kg	2.00	ug/kg	Y	0.194
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	4,4'-DDD	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	4,4'-DDD	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	4,4'-DDD	I 1A	1	0	1	8.00	ug/kg	2.50	ug/kg	N	0.313
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	4,4'-DDD	I 1A	1	0	1	8.00	ug/kg	2.50	ug/kg	N	0.313
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	4,4'-DDD	I 1A	1	1	0	1.30	ug/kg	2.50	ug/kg	N	1.92
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	4,4'-DDD	I 1B	1	0	1	5.50	ug/kg	2.50	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	4,4'-DDD	I 1B	1	1	0	14.0	ug/kg	2.50	ug/kg	N	0.179
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	4,4'-DDD	I 1B	3	1	2	9.67	ug/kg	2.50	ug/kg	N	0.259
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	4,4'-DDD	I 1B	3	2	1	26.0	ug/kg	2.50	ug/kg	N	0.0960
BIST004	UB041F0401	Gulf killifish	Whole Body	4,4'-DDE	1	13	1	12	3.43	ug/kg	5.00	ug/kg	N	1.46
BIST004	UB041F0404	Gulf killifish	Whole Body	4,4'-DDE	1	13	1	12	3.43	ug/kg	5.00	ug/kg	N	1.46
BIST004	UB041F0402	Gulf killifish	Whole Body	4,4'-DDE	1	13	1	12	3.43	ug/kg	5.00	ug/kg	N	1.46
BIST005	UB051F0520	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0504	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0505	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0502	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST005	UB051F0502	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0515	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0516	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0523	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0516	Skipjack herring	Whole Body	4,4'-DDE	3A	31	8	23	3.49	ug/kg	31.0	ug/kg	Y	8.88
BIST005	UB054F0507	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	8	23	3.49	ug/kg	5.00	ug/kg	N	1.43
BIST005	UB054F0508	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	8	23	3.49	ug/kg	5.00	ug/kg	N	1.43
BIST005	UB054F0501	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST005	UB051F0525	Sailfin molly	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0512	Sailfin molly	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0510	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0505	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	8	23	3.49	ug/kg	5.00	ug/kg	N	1.43
BIST005	UB051F0503	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0511	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0511	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	8	23	3.49	ug/kg	5.00	ug/kg	N	1.43
BIST005	UB054F0515	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST005	UB051F0501	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0504	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST005	UB054F0506	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	8	23	3.49	ug/kg	5.00	ug/kg	N	1.43
BIST005	UB054F0503	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST005	UB051F0518	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0508	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0514	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST005	UB051F0517	Sheepshead minnow	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0509	Gulf killifish	Whole Body	4,4'-DDE	1	13	4	9	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB052F0501	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	8	23	3.49	ug/kg	5.00	ug/kg	N	1.43
BIST006	MB012F0610	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB011F0624	Gulf killifish	Whole Body	4,4'-DDE	1	14	5	9	3.65	ug/kg	5.00	ug/kg	N	1.37
BIST006	MB012F0613	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB014F0608	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB011F0607	Gulf killifish	Whole Body	4,4'-DDE	1	14	5	9	3.65	ug/kg	5.00	ug/kg	N	1.37
BIST006	MB014F0630	Sand seatrout	Whole Body	4,4'-DDE	3B	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB012F0603	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB014F0602	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST006	MB014F0612	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB012F0605	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB012F0601	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB011F0616	Gulf killifish	Whole Body	4,4'-DDE	1	14	5	9	3.65	ug/kg	5.00	ug/kg	N	1.37
BIST006	MB012F0606	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB014F0605	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST006	MB012F0619	Spot	Whole Body	4,4'-DDE	2B	3	1	2	4.71	ug/kg	5.00	ug/kg	N	1.06
BIST006	MB012F0611	Spot	Whole Body	4,4'-DDE	2B	3	1	2	4.71	ug/kg	13.0	ug/kg	Y	2.76
BIST006	MB011F0605	Gulf killifish	Whole Body	4,4'-DDE	1	14	5	9	3.65	ug/kg	5.00	ug/kg	N	1.37
BIST006	MB014F0628	White mullet	Whole Body	4,4'-DDE	3A	31	9	22	3.79	ug/kg	14.0	ug/kg	Y	3.69
BIST006	MB014F0603	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB011F0615	Gulf killifish	Whole Body	4,4'-DDE	1	14	5	9	3.65	ug/kg	5.00	ug/kg	N	1.37
BIST006	MB014F0604	Spotted seatrout	Whole Body	4,4'-DDE	3B	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB012F0607	Spot	Whole Body	4,4'-DDE	2B	3	1	2	4.71	ug/kg	11.0	ug/kg	Y	2.34
BIST006	MB012F0602	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0604	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB014F0615	Sand seatrout	Whole Body	4,4'-DDE	3B	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST006	MB014F0601	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	11.0	ug/kg	Y	0.991
BIST006	MB012F0609	Gulf menhaden	Whole Body	4,4'-DDE	2A	31	9	22	3.79	ug/kg	5.00	ug/kg	N	1.32
BIST007	MB011F0704	Gulf killifish	Whole Body	4,4'-DDE	1	12	4	8	3.34	ug/kg	5.00	ug/kg	N	1.50
BIST007	MB011F0703	Gulf killifish	Whole Body	4,4'-DDE	1	12	4	8	3.34	ug/kg	5.00	ug/kg	N	1.50
BIST007	MB011F0706	Gulf killifish	Whole Body	4,4'-DDE	1	12	4	8	3.34	ug/kg	5.00	ug/kg	N	1.50
BIST007	MB011F0708	Gulf killifish	Whole Body	4,4'-DDE	1	12	4	8	3.34	ug/kg	5.00	ug/kg	N	1.50
BIST007	MB011F0702	Gulf killifish	Whole Body	4,4'-DDE	1	12	4	8	3.34	ug/kg	5.00	ug/kg	N	1.50
BIST008	MB031F0805	Gulf killifish	Whole Body	4,4'-DDE	1	20	6	14	6.92	ug/kg	5.00	ug/kg	N	0.722
BIST008	MB031V0819	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031F0803	Gulf killifish	Whole Body	4,4'-DDE	1	20	6	14	6.92	ug/kg	5.00	ug/kg	N	0.722
BIST008	MB031V0812	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0801	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0816	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0817	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0811	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0803	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	50.0	ug/kg	N	8.51
BIST008	MB031V0802	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	50.0	ug/kg	N	8.51
BIST008	MB031V0810	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031F0806	Gulf killifish	Whole Body	4,4'-DDE	1	20	6	14	6.92	ug/kg	5.00	ug/kg	N	0.722
BIST008	MB031V0807	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031F0804	Gulf killifish	Whole Body	4,4'-DDE	1	20	6	14	6.92	ug/kg	5.00	ug/kg	N	0.722
BIST008	MB031V0818	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	50.0	ug/kg	N	8.51
BIST008	MB031F0811	Gulf killifish	Whole Body	4,4'-DDE	1	20	6	14	6.92	ug/kg	5.00	ug/kg	N	0.722
BIST008	MB031V0813	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0808	Shrimp	Shellfish	4,4'-DDE	I 2A	46	13	33	5.87	ug/kg	5.00	ug/kg	N	0.851
BIST010	MB031F1006	Gulf killifish	Whole Body	4,4'-DDE	1	20	5	15	7.06	ug/kg	5.00	ug/kg	N	0.708
BIST010	MB031F1004	Gulf killifish	Whole Body	4,4'-DDE	1	20	5	15	7.06	ug/kg	5.00	ug/kg	N	0.708
BIST010	MB031F1001	Gulf killifish	Whole Body	4,4'-DDE	1	20	5	15	7.06	ug/kg	5.00	ug/kg	N	0.708
BIST010	MB031F1013	Gulf killifish	Whole Body	4,4'-DDE	1	20	5	15	7.06	ug/kg	5.00	ug/kg	N	0.708
BIST010	MB031F1009	Gulf killifish	Whole Body	4,4'-DDE	1	20	5	15	7.06	ug/kg	5.00	ug/kg	N	0.708
BIST011	LB011F1101	Gulf killifish	Whole Body	4,4'-DDE	1	27	11	16	29.2	ug/kg	5.00	ug/kg	N	0.171
BIST011	LB011F1103	Gulf killifish	Whole Body	4,4'-DDE	1	27	11	16	29.2	ug/kg	5.00	ug/kg	N	0.171
BIST011	LB011F1105	Gulf killifish	Whole Body	4,4'-DDE	1	27	11	16	29.2	ug/kg	5.00	ug/kg	N	0.171
BIST012	LB011F1202	Gulf killifish	Whole Body	4,4'-DDE	1	30	11	19	27.4	ug/kg	5.00	ug/kg	N	0.183
BIST012	LB011F1201	Gulf killifish	Whole Body	4,4'-DDE	1	30	11	19	27.4	ug/kg	5.00	ug/kg	N	0.183
BIST012	LB011F1204	Gulf killifish	Whole Body	4,4'-DDE	1	30	11	19	27.4	ug/kg	5.00	ug/kg	N	0.183
BIST013	LB011F1305	Gulf killifish	Whole Body	4,4'-DDE	1	30	11	19	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST013	LB011F1301	Gulf killifish	Whole Body	4,4'-DDE	1	30	11	19	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST013	LB011F1302	Gulf killifish	Whole Body	4,4'-DDE	1	30	11	19	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST015	LB031F1502	Gulf killifish	Whole Body	4,4'-DDE	1	24	4	20	17.5	ug/kg	5.00	ug/kg	N	0.286
BIST015	LB032F1502	Gulf menhaden	Whole Body	4,4'-DDE	2A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB032F1507	Gulf menhaden	Whole Body	4,4'-DDE	2A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB031F1504	Gulf killifish	Whole Body	4,4'-DDE	1	24	4	20	17.5	ug/kg	5.00	ug/kg	N	0.286
BIST015	LB031F1506	Gulf killifish	Whole Body	4,4'-DDE	1	24	4	20	17.5	ug/kg	5.00	ug/kg	N	0.286
BIST015	LB032F1504	Spot	Whole Body	4,4'-DDE	2B	3	0	3	14.4	ug/kg	5.00	ug/kg	N	0.347
BIST015	LB032F1501	Gulf menhaden	Whole Body	4,4'-DDE	2A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB032F1506	Spot	Whole Body	4,4'-DDE	2B	3	0	3	14.4	ug/kg	5.00	ug/kg	N	0.347
BIST015	LB032F1503	Threadfin shad	Whole Body	4,4'-DDE	2A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1505	Gulf menhaden	Whole Body	4,4'-DDE	2A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1511	Striped mullet	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST015	LB033F1510	Striped mullet	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	29.0	ug/kg	Y	2.61
BIST015	LB033F1502	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1506	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	13.0	ug/kg	Y	0.653
BIST015	LB033F1503	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	44.0	ug/kg	Y	2.21
BIST015	LB034F1505	Spotted seatrout	Whole Body	4,4'-DDE	3B	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1508	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	57.0	ug/kg	Y	2.86
BIST015	LB034F1501	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST015	LB033F1517	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	15.0	ug/kg	Y	0.753
BIST015	LB033F1501	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	47.0	ug/kg	Y	2.36
BIST015	LB033F1507	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	13.0	ug/kg	Y	0.653
BIST015	LB033F1504	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	14.0	ug/kg	Y	0.703
BIST015	LB033F1518	Gulf menhaden	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1512	Striped mullet	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	20.0	ug/kg	Y	1.80
BIST015	LB034F1502	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST015	LB033F1516	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	15.0	ug/kg	Y	0.753
BIST015	LB033F1513	Striped mullet	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	30.0	ug/kg	Y	2.70
BIST015	LB034F1506	Atlantic croaker	Whole Body	4,4'-DDE	3B	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB034F1504	Spotted seatrout	Whole Body	4,4'-DDE	3B	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1515	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1505	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST015	LB033F1514	Striped mullet	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	22.0	ug/kg	Y	1.98
BIST015	LB033F1509	Striped mullet	Whole Body	4,4'-DDE	3A	88	19	69	19.9	ug/kg	37.0	ug/kg	Y	1.86
BIST016	LB031F1610	Gulf killifish	Whole Body	4,4'-DDE	1	35	11	24	20.2	ug/kg	5.00	ug/kg	N	0.247
BIST016	LB031F1602	Gulf killifish	Whole Body	4,4'-DDE	1	35	11	24	20.2	ug/kg	5.00	ug/kg	N	0.247
BIST016	LB031F1601	Gulf killifish	Whole Body	4,4'-DDE	1	35	11	24	20.2	ug/kg	5.00	ug/kg	N	0.247
BIST017	LB031A1752	Mussels	Shellfish	4,4'-DDE	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	4,4'-DDE	1	11	2	9	26.3	ug/kg	5.00	ug/kg	N	0.190
BIST017	LB031A1753	Mussels	Shellfish	4,4'-DDE	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	4,4'-DDE	1	11	2	9	26.3	ug/kg	5.00	ug/kg	N	0.190
BIST017	LB031A1754	Mussels	Shellfish	4,4'-DDE	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	4,4'-DDE	1	11	2	9	26.3	ug/kg	5.00	ug/kg	N	0.190
BIST019	LB061F1902	Gulf killifish	Whole Body	4,4'-DDE	1	26	9	17	16.0	ug/kg	5.00	ug/kg	N	0.313
BIST019	LB061F1901	Gulf killifish	Whole Body	4,4'-DDE	1	26	9	17	16.0	ug/kg	5.00	ug/kg	N	0.313
BIST019	LB061F1903	Gulf killifish	Whole Body	4,4'-DDE	1	26	9	17	16.0	ug/kg	5.00	ug/kg	N	0.313
BIST021	LB094F2121	Spotted seatrout	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB093F2103	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	12.0	ug/kg	Y	1.08
BIST021	LB093F2102	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	25.0	ug/kg	Y	2.25
BIST021	LB093F2101	Striped mullet	Whole Body	4,4'-DDE	3A	42	8	34	12.9	ug/kg	5.00	ug/kg	N	0.389
BIST021	LB094F2122	Spotted seatrout	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB094F2120	Spotted seatrout	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB093F2108	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	24.0	ug/kg	Y	2.16
BIST021	LB094F2103	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB094F2101	Spotted seatrout	Whole Body	4,4'-DDE	3B	42	8	34	12.9	ug/kg	5.00	ug/kg	N	0.389
BIST021	LB094F2118	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB094F2124	Spotted seatrout	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB094F2151	Spotted seatrout	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	17.0	ug/kg	Y	1.53
BIST021	LB094F2115	Black Drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB094F2141	Pinfish	Whole Body	4,4'-DDE	3B	42	8	34	12.9	ug/kg	5.00	ug/kg	N	0.389

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2107	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB093F2106	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	21.0	ug/kg	Y	1.89
BIST021	LB094F2107	Atlantic croaker	Whole Body	4,4'-DDE	3B	42	8	34	12.9	ug/kg	5.00	ug/kg	N	0.389
BIST021	LB094F2134	Pinfish	Whole Body	4,4'-DDE	3B	42	8	34	12.9	ug/kg	5.00	ug/kg	N	0.389
BIST021	LB093F2105	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	21.0	ug/kg	Y	1.89
BIST021	LB093F2104	Gizzard shad	Whole Body	4,4'-DDE	4A	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB094F2104	Red drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST024	LB131F2402	Gulf killifish	Whole Body	4,4'-DDE	1	32	10	22	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST024	LB131F2406	Gulf killifish	Whole Body	4,4'-DDE	1	32	10	22	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST024	LB131F2408	Gulf killifish	Whole Body	4,4'-DDE	1	32	10	22	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST025	LB132F2502	Gulf menhaden	Whole Body	4,4'-DDE	2A	86	24	62	19.7	ug/kg	5.00	ug/kg	N	0.253
BIST025	LB132F2503	Spot	Whole Body	4,4'-DDE	2B	2	2	0	19.5	ug/kg	12.0	ug/kg	Y	0.617
BIST025	LB132F2501	Gulf menhaden	Whole Body	4,4'-DDE	2A	86	24	62	19.7	ug/kg	5.00	ug/kg	N	0.253
BIST025	LB131F2503	Sheepshead minnow	Whole Body	4,4'-DDE	1	33	13	20	14.7	ug/kg	5.00	ug/kg	N	0.340
BIST025	LB131F2502	Gulf killifish	Whole Body	4,4'-DDE	1	33	13	20	14.7	ug/kg	5.00	ug/kg	N	0.340
BIST025	LB131F2501	Gulf killifish	Whole Body	4,4'-DDE	1	33	13	20	14.7	ug/kg	5.00	ug/kg	N	0.340
BIST026	LB131F2601	Gulf killifish	Whole Body	4,4'-DDE	1	34	12	22	28.2	ug/kg	5.00	ug/kg	N	0.177
BIST026	LB131F2604	Gulf killifish	Whole Body	4,4'-DDE	1	34	12	22	28.2	ug/kg	5.00	ug/kg	N	0.177
BIST027	PPGC1F2705	Gulf killifish	Whole Body	4,4'-DDE	1	27	9	18	30.0	ug/kg	5.00	ug/kg	N	0.167
BIST027	PPGC1F2706	Gulf killifish	Whole Body	4,4'-DDE	1	27	9	18	30.0	ug/kg	5.00	ug/kg	N	0.167
BIST027	PPGC1F2712	Gulf killifish	Whole Body	4,4'-DDE	1	27	9	18	30.0	ug/kg	5.00	ug/kg	N	0.167
BIST028	PPGC1F2806	Gulf killifish	Whole Body	4,4'-DDE	1	22	4	18	29.8	ug/kg	5.00	ug/kg	N	0.168
BIST028	PPGC1F2802	Gulf killifish	Whole Body	4,4'-DDE	1	22	4	18	29.8	ug/kg	5.00	ug/kg	N	0.168
BIST028	PPGC1F2803	Gulf killifish	Whole Body	4,4'-DDE	1	22	4	18	29.8	ug/kg	5.00	ug/kg	N	0.168
BIST029	PPGC1F2905	Gulf killifish	Whole Body	4,4'-DDE	1	25	7	18	30.9	ug/kg	5.00	ug/kg	N	0.162
BIST029	PPGC1F2903	Gulf killifish	Whole Body	4,4'-DDE	1	25	7	18	30.9	ug/kg	5.00	ug/kg	N	0.162
BIST029	PPGC1F2904	Gulf killifish	Whole Body	4,4'-DDE	1	25	7	18	30.9	ug/kg	5.00	ug/kg	N	0.162
BISTC01	BAYD4C0103	Blue crab	Shellfish	4,4'-DDE	I 2B	43	10	33	14.0	ug/kg	5.00	ug/kg	N	0.356
BISTC01	BAYD4C0101	Blue crab	Shellfish	4,4'-DDE	I 2B	43	10	33	14.0	ug/kg	5.00	ug/kg	N	0.356
BISTC02	BAYD4C0205	Blue crab	Shellfish	4,4'-DDE	I 2B	49	11	38	13.2	ug/kg	5.00	ug/kg	N	0.378
BISTC02	BAYD4C0203	Blue crab	Shellfish	4,4'-DDE	I 2B	49	11	38	13.2	ug/kg	5.00	ug/kg	N	0.378
BISTC02	BAYD4C0201	Blue crab	Shellfish	4,4'-DDE	I 2B	49	11	38	13.2	ug/kg	5.00	ug/kg	N	0.378
BISTC03	BAYD4C0302	Blue crab	Shellfish	4,4'-DDE	I 2B	67	15	52	14.5	ug/kg	5.00	ug/kg	N	0.344
BISTC05	BAYD4C0502	Blue crab	Shellfish	4,4'-DDE	I 2B	87	29	58	18.7	ug/kg	5.00	ug/kg	N	0.268
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	4,4'-DDE	2A	74	24	50	14.1	ug/kg	2.40	ug/kg	Y	0.170
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	4,4'-DDE	I 2B	72	27	45	16.4	ug/kg	2.10	ug/kg	Y	0.128
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	4,4'-DDE	4B	209	49	160	11.1	ug/kg	3.00	ug/kg	N	0.270
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	4,4'-DDE	3B	87	24	63	19.3	ug/kg	3.00	ug/kg	N	0.156
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	4,4'-DDE	3B	87	24	63	19.3	ug/kg	3.00	ug/kg	N	0.156
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	4,4'-DDE	3B	87	24	63	19.3	ug/kg	3.00	ug/kg	N	0.156
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	4,4'-DDE	3B	87	24	63	19.6	ug/kg	3.00	ug/kg	N	0.153
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	4,4'-DDE	I 1A	1	1	0	1.10	ug/kg	3.00	ug/kg	N	2.73
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	4,4'-DDE	I 1B	2	1	1	7.30	ug/kg	3.80	ug/kg	Y	0.521
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	4,4'-DDE	I 1A	1	0	1	2.15	ug/kg	3.00	ug/kg	Y	1.40
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	4,4'-DDE	I 1A	1	0	1	2.15	ug/kg	3.70	ug/kg	Y	1.72
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	4,4'-DDE	I 1A	1	1	0	13.0	ug/kg	1.30	ug/kg	Y	0.100
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	4,4'-DDE	I 1A	1	1	0	13.0	ug/kg	1.40	ug/kg	Y	0.108
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	4,4'-DDE	I 1A	1	0	1	4.35	ug/kg	1.00	ug/kg	Y	0.230
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	4,4'-DDE	I 1B	1	0	1	5.50	ug/kg	2.50	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	4,4'-DDE	I 1B	1	1	0	3.60	ug/kg	2.50	ug/kg	N	0.694

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	4,4'-DDE	I 1B	3	2	1	16.2	ug/kg	2.50	ug/kg	N	0.154
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	4,4'-DDE	I 1B	3	2	1	20.9	ug/kg	2.50	ug/kg	N	0.120
BIST004	UB041F0402	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0404	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0401	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST005	UB054F0503	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	66.0	ug/kg	Y	7.54
BIST005	UB054F0507	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0511	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0516	Skipjack herring	Whole Body	4,4'-DDT	3A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0517	Sheepshead minnow	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	81.0	ug/kg	Y	21.5
BIST005	UB054F0504	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST005	UB051F0504	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0501	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0509	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0506	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0520	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0505	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0503	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0525	Sailfin molly	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0502	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST005	UB051F0502	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0512	Sailfin molly	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB052F0501	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0516	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0501	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST005	UB054F0515	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST005	UB054F0508	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0515	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0514	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST005	UB051F0511	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0518	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0508	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0510	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0505	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0523	Gulf killifish	Whole Body	4,4'-DDT	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST006	MB014F0630	Sand seatrout	Whole Body	4,4'-DDT	3B	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB014F0612	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0603	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB011F0607	Gulf killifish	Whole Body	4,4'-DDT	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0609	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0611	Spot	Whole Body	4,4'-DDT	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB011F0624	Gulf killifish	Whole Body	4,4'-DDT	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0610	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB014F0604	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0613	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB014F0602	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST006	MB014F0603	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB011F0615	Gulf killifish	Whole Body	4,4'-DDT	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0628	White mullet	Whole Body	4,4'-DDT	3A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0619	Spot	Whole Body	4,4'-DDT	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0605	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST006	MB014F0615	Sand seatrout	Whole Body	4,4'-DDT	3B	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0605	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB014F0608	Spotted seatrout	Whole Body	4,4'-DDT	3B	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB011F0605	Gulf killifish	Whole Body	4,4'-DDT	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0604	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0606	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB014F0601	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST006	MB012F0602	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB012F0601	Gulf menhaden	Whole Body	4,4'-DDT	2A	31	1	30	4.47	ug/kg	5.00	ug/kg	N	1.12
BIST006	MB011F0616	Gulf killifish	Whole Body	4,4'-DDT	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0607	Spot	Whole Body	4,4'-DDT	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST007	MB011F0703	Gulf killifish	Whole Body	4,4'-DDT	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0706	Gulf killifish	Whole Body	4,4'-DDT	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0708	Gulf killifish	Whole Body	4,4'-DDT	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0704	Gulf killifish	Whole Body	4,4'-DDT	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0702	Gulf killifish	Whole Body	4,4'-DDT	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0803	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	50.0	ug/kg	N	7.59
BIST008	MB031V0813	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031V0808	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031F0804	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.16	ug/kg	5.00	ug/kg	N	0.613
BIST008	MB031V0810	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031F0803	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.16	ug/kg	5.00	ug/kg	N	0.613
BIST008	MB031V0818	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	50.0	ug/kg	N	7.59
BIST008	MB031V0812	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031F0811	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.16	ug/kg	5.00	ug/kg	N	0.613
BIST008	MB031F0806	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.16	ug/kg	5.00	ug/kg	N	0.613
BIST008	MB031V0811	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031V0819	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031V0817	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031V0801	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031V0807	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031V0816	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	5.00	ug/kg	N	0.759
BIST008	MB031F0805	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.16	ug/kg	5.00	ug/kg	N	0.613
BIST008	MB031V0802	Shrimp	Shellfish	4,4'-DDT	I 2A	45	2	43	6.59	ug/kg	50.0	ug/kg	N	7.59
BIST010	MB031F1004	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.13	ug/kg	5.00	ug/kg	N	0.615
BIST010	MB031F1006	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.13	ug/kg	5.00	ug/kg	N	0.615
BIST010	MB031F1009	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.13	ug/kg	5.00	ug/kg	N	0.615
BIST010	MB031F1013	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.13	ug/kg	5.00	ug/kg	N	0.615
BIST010	MB031F1001	Gulf killifish	Whole Body	4,4'-DDT	1	20	1	19	8.13	ug/kg	5.00	ug/kg	N	0.615
BIST011	LB011F1103	Gulf killifish	Whole Body	4,4'-DDT	1	26	2	24	8.74	ug/kg	5.00	ug/kg	N	0.572
BIST011	LB011F1105	Gulf killifish	Whole Body	4,4'-DDT	1	26	2	24	8.74	ug/kg	5.00	ug/kg	N	0.572
BIST011	LB011F1101	Gulf killifish	Whole Body	4,4'-DDT	1	26	2	24	8.74	ug/kg	5.00	ug/kg	N	0.572
BIST012	LB011F1202	Gulf killifish	Whole Body	4,4'-DDT	1	29	2	27	9.81	ug/kg	5.00	ug/kg	N	0.510
BIST012	LB011F1204	Gulf killifish	Whole Body	4,4'-DDT	1	29	2	27	9.81	ug/kg	5.00	ug/kg	N	0.510
BIST012	LB011F1201	Gulf killifish	Whole Body	4,4'-DDT	1	29	2	27	9.81	ug/kg	5.00	ug/kg	N	0.510
BIST013	LB011F1302	Gulf killifish	Whole Body	4,4'-DDT	1	29	2	27	10.1	ug/kg	5.00	ug/kg	N	0.494
BIST013	LB011F1305	Gulf killifish	Whole Body	4,4'-DDT	1	29	2	27	10.1	ug/kg	5.00	ug/kg	N	0.494
BIST013	LB011F1301	Gulf killifish	Whole Body	4,4'-DDT	1	29	2	27	10.1	ug/kg	5.00	ug/kg	N	0.494
BIST015	LB032F1502	Gulf menhaden	Whole Body	4,4'-DDT	2A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1505	Gulf menhaden	Whole Body	4,4'-DDT	2A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB031F1504	Gulf killifish	Whole Body	4,4'-DDT	1	24	3	21	20.1	ug/kg	5.00	ug/kg	N	0.249
BIST015	LB031F1502	Gulf killifish	Whole Body	4,4'-DDT	1	24	3	21	20.1	ug/kg	5.00	ug/kg	N	0.249
BIST015	LB032F1506	Spot	Whole Body	4,4'-DDT	2B	3	0	3	14.4	ug/kg	5.00	ug/kg	N	0.347
BIST015	LB032F1501	Gulf menhaden	Whole Body	4,4'-DDT	2A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB032F1504	Spot	Whole Body	4,4'-DDT	2B	3	0	3	14.4	ug/kg	5.00	ug/kg	N	0.347
BIST015	LB032F1507	Gulf menhaden	Whole Body	4,4'-DDT	2A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB031F1506	Gulf killifish	Whole Body	4,4'-DDT	1	24	3	21	20.1	ug/kg	5.00	ug/kg	N	0.249
BIST015	LB032F1503	Threadfin shad	Whole Body	4,4'-DDT	2A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1505	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB034F1504	Spotted seatrout	Whole Body	4,4'-DDT	3B	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1512	Striped mullet	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST015	LB033F1506	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1511	Striped mullet	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	83.0	ug/kg	Y	9.48
BIST015	LB034F1505	Spotted seatrout	Whole Body	4,4'-DDT	3B	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1508	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1514	Striped mullet	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST015	LB034F1502	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST015	LB033F1507	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	21.0	ug/kg	N	1.65
BIST015	LB033F1515	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB034F1501	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST015	LB033F1513	Striped mullet	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	8.50	ug/kg	N	0.971
BIST015	LB033F1502	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1510	Striped mullet	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST015	LB033F1516	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1517	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	21.0	ug/kg	N	1.65
BIST015	LB033F1518	Gulf menhaden	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB034F1506	Atlantic croaker	Whole Body	4,4'-DDT	3B	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1509	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	8.50	ug/kg	N	0.668
BIST015	LB033F1503	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	21.0	ug/kg	N	1.65
BIST015	LB033F1504	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST015	LB033F1501	Striped mullet	Whole Body	4,4'-DDT	3A	88	4	84	12.7	ug/kg	5.00	ug/kg	N	0.393
BIST016	LB031F1602	Gulf killifish	Whole Body	4,4'-DDT	1	35	4	31	18.7	ug/kg	5.00	ug/kg	N	0.268
BIST016	LB031F1601	Gulf killifish	Whole Body	4,4'-DDT	1	35	4	31	18.7	ug/kg	5.00	ug/kg	N	0.268
BIST016	LB031F1610	Gulf killifish	Whole Body	4,4'-DDT	1	35	4	31	18.7	ug/kg	5.00	ug/kg	N	0.268
BIST017	LB031F1704	Gulf killifish	Whole Body	4,4'-DDT	1	11	1	10	30.5	ug/kg	5.00	ug/kg	N	0.164
BIST017	LB031A1752	Mussels	Shellfish	4,4'-DDT	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	4,4'-DDT	1	11	1	10	30.5	ug/kg	5.00	ug/kg	N	0.164
BIST017	LB031A1754	Mussels	Shellfish	4,4'-DDT	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	4,4'-DDT	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	4,4'-DDT	1	11	1	10	30.5	ug/kg	5.00	ug/kg	N	0.164
BIST019	LB061F1902	Gulf killifish	Whole Body	4,4'-DDT	1	26	3	23	12.1	ug/kg	5.00	ug/kg	N	0.415
BIST019	LB061F1901	Gulf killifish	Whole Body	4,4'-DDT	1	26	3	23	12.1	ug/kg	5.00	ug/kg	N	0.415
BIST019	LB061F1903	Gulf killifish	Whole Body	4,4'-DDT	1	26	3	23	12.1	ug/kg	5.00	ug/kg	N	0.415
BIST021	LB093F2107	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2104	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2103	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2122	Spotted seatrout	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2101	Striped mullet	Whole Body	4,4'-DDT	3A	42	2	40	10.0	ug/kg	5.00	ug/kg	N	0.499
BIST021	LB094F2101	Spotted seatrout	Whole Body	4,4'-DDT	3B	42	2	40	10.0	ug/kg	5.00	ug/kg	N	0.499

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2103	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2120	Spotted seatrout	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2102	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	180	ug/kg	Y	20.6
BIST021	LB094F2121	Spotted seatrout	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2108	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2105	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2106	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2115	Black Drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2124	Spotted seatrout	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2134	Pinfish	Whole Body	4,4'-DDT	3B	42	2	40	10.0	ug/kg	5.00	ug/kg	N	0.499
BIST021	LB094F2141	Pinfish	Whole Body	4,4'-DDT	3B	42	2	40	10.0	ug/kg	5.00	ug/kg	N	0.499
BIST021	LB094F2151	Spotted seatrout	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2118	Red drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB093F2104	Gizzard shad	Whole Body	4,4'-DDT	4A	207	12	195	8.75	ug/kg	5.00	ug/kg	N	0.571
BIST021	LB094F2107	Atlantic croaker	Whole Body	4,4'-DDT	3B	42	2	40	10.0	ug/kg	5.00	ug/kg	N	0.499
BIST024	LB131F2402	Gulf killifish	Whole Body	4,4'-DDT	1	32	2	30	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST024	LB131F2408	Gulf killifish	Whole Body	4,4'-DDT	1	32	2	30	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST024	LB131F2406	Gulf killifish	Whole Body	4,4'-DDT	1	32	2	30	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST025	LB131F2501	Gulf killifish	Whole Body	4,4'-DDT	1	33	3	30	13.7	ug/kg	5.00	ug/kg	N	0.366
BIST025	LB131F2502	Gulf killifish	Whole Body	4,4'-DDT	1	33	3	30	13.7	ug/kg	5.00	ug/kg	N	0.366
BIST025	LB132F2503	Spot	Whole Body	4,4'-DDT	2B	2	0	2	23.3	ug/kg	5.00	ug/kg	N	0.215
BIST025	LB131F2503	Sheepshead minnow	Whole Body	4,4'-DDT	1	33	3	30	13.7	ug/kg	5.00	ug/kg	N	0.366
BIST025	LB132F2501	Gulf menhaden	Whole Body	4,4'-DDT	2A	85	6	79	12.6	ug/kg	5.00	ug/kg	N	0.396
BIST025	LB132F2502	Gulf menhaden	Whole Body	4,4'-DDT	2A	85	6	79	12.6	ug/kg	5.00	ug/kg	N	0.396
BIST026	LB131F2604	Gulf killifish	Whole Body	4,4'-DDT	1	34	3	31	13.1	ug/kg	5.00	ug/kg	N	0.383
BIST026	LB131F2601	Gulf killifish	Whole Body	4,4'-DDT	1	34	3	31	13.1	ug/kg	5.00	ug/kg	N	0.383
BIST027	PPGC1F2705	Gulf killifish	Whole Body	4,4'-DDT	1	26	0	26	10.3	ug/kg	5.00	ug/kg	N	0.484
BIST027	PPGC1F2706	Gulf killifish	Whole Body	4,4'-DDT	1	26	0	26	10.3	ug/kg	5.00	ug/kg	N	0.484
BIST027	PPGC1F2712	Gulf killifish	Whole Body	4,4'-DDT	1	26	0	26	10.3	ug/kg	5.00	ug/kg	N	0.484
BIST028	PPGC1F2806	Gulf killifish	Whole Body	4,4'-DDT	1	22	0	22	10.5	ug/kg	5.00	ug/kg	N	0.475
BIST028	PPGC1F2803	Gulf killifish	Whole Body	4,4'-DDT	1	22	0	22	10.5	ug/kg	5.00	ug/kg	N	0.475
BIST028	PPGC1F2802	Gulf killifish	Whole Body	4,4'-DDT	1	22	0	22	10.5	ug/kg	5.00	ug/kg	N	0.475
BIST029	PPGC1F2905	Gulf killifish	Whole Body	4,4'-DDT	1	25	0	25	10.3	ug/kg	5.00	ug/kg	N	0.487
BIST029	PPGC1F2903	Gulf killifish	Whole Body	4,4'-DDT	1	25	0	25	10.3	ug/kg	5.00	ug/kg	N	0.487
BIST029	PPGC1F2904	Gulf killifish	Whole Body	4,4'-DDT	1	25	0	25	10.3	ug/kg	5.00	ug/kg	N	0.487
BISTC01	BAYD4C0101	Blue crab	Shellfish	4,4'-DDT	I 2B	43	2	41	10.9	ug/kg	36.0	ug/kg	Y	3.31
BISTC01	BAYD4C0103	Blue crab	Shellfish	4,4'-DDT	I 2B	43	2	41	10.9	ug/kg	39.0	ug/kg	Y	3.58
BISTC02	BAYD4C0203	Blue crab	Shellfish	4,4'-DDT	I 2B	49	3	46	11.0	ug/kg	5.00	ug/kg	N	0.454
BISTC02	BAYD4C0205	Blue crab	Shellfish	4,4'-DDT	I 2B	49	3	46	11.0	ug/kg	5.00	ug/kg	N	0.454
BISTC02	BAYD4C0201	Blue crab	Shellfish	4,4'-DDT	I 2B	49	3	46	11.0	ug/kg	5.00	ug/kg	N	0.454
BISTC03	BAYD4C0302	Blue crab	Shellfish	4,4'-DDT	I 2B	67	4	63	13.7	ug/kg	5.00	ug/kg	N	0.365
BISTC05	BAYD4C0502	Blue crab	Shellfish	4,4'-DDT	I 2B	86	9	77	12.5	ug/kg	43.0	ug/kg	Y	3.44
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	4,4'-DDT	2A	72	6	66	8.17	ug/kg	3.00	ug/kg	N	0.367
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	4,4'-DDT	I 2B	70	6	64	8.83	ug/kg	3.00	ug/kg	N	0.340
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	4,4'-DDT	3B	86	6	80	12.3	ug/kg	3.00	ug/kg	N	0.245
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	4,4'-DDT	3B	86	6	80	12.3	ug/kg	3.00	ug/kg	N	0.245
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	4,4'-DDT	3B	86	6	80	12.3	ug/kg	3.00	ug/kg	N	0.245
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	4,4'-DDT	4B	207	12	195	8.75	ug/kg	1.40	ug/kg	Y	0.160
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	4,4'-DDT	3B	86	6	80	12.5	ug/kg	3.00	ug/kg	N	0.239
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	4,4'-DDT	I 1A	1	0	1	1.85	ug/kg	3.00	ug/kg	N	1.62

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	4,4'-DDT	I 1B	2	0	2	13.8	ug/kg	3.00	ug/kg	N	0.217
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	4,4'-DDT	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	4,4'-DDT	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	4,4'-DDT	I 1A	1	0	1	4.55	ug/kg	2.50	ug/kg	N	0.549
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	4,4'-DDT	I 1A	1	0	1	4.55	ug/kg	2.50	ug/kg	N	0.549
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	4,4'-DDT	I 1A	1	0	1	4.35	ug/kg	2.50	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	4,4'-DDT	I 1B	1	0	1	5.50	ug/kg	2.50	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	4,4'-DDT	I 1B	1	0	1	5.00	ug/kg	2.50	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	4,4'-DDT	I 1B	3	0	3	5.25	ug/kg	2.50	ug/kg	N	0.476
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	4,4'-DDT	I 1B	3	0	3	8.15	ug/kg	2.50	ug/kg	N	0.307
BIST004	UB041F0402	Gulf killifish	Whole Body	Acenaphthene	1	14	0	14	832	ug/kg	20.0	ug/kg	N	0.0240
BIST004	UB041F0401	Gulf killifish	Whole Body	Acenaphthene	1	14	0	14	832	ug/kg	100.0	ug/kg	N	0.120
BIST004	UB041F0404	Gulf killifish	Whole Body	Acenaphthene	1	14	0	14	832	ug/kg	100.0	ug/kg	N	0.120
BIST005	UB051F0505	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0501	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0502	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB051F0520	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0516	Skipjack herring	Whole Body	Acenaphthene	3A	32	2	30	671	ug/kg	25.0	ug/kg	N	0.0373
BIST005	UB051F0516	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0504	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST005	UB054F0502	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST005	UB051F0518	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB051F0523	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0511	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB051F0508	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0503	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST005	UB052F0501	Gulf menhaden	Whole Body	Acenaphthene	2A	32	2	30	671	ug/kg	100.0	ug/kg	N	0.149
BIST005	UB051F0525	Sailfin molly	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	60.0	ug/kg	N	0.0685
BIST005	UB051F0512	Sailfin molly	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	80.0	ug/kg	N	0.0913
BIST005	UB054F0514	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	20.0	ug/kg	N	0.0186
BIST005	UB051F0503	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0506	Spotted seatrout	Whole Body	Acenaphthene	3B	32	2	30	671	ug/kg	25.0	ug/kg	N	0.0373
BIST005	UB051F0510	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB051F0509	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0505	Spotted seatrout	Whole Body	Acenaphthene	3B	32	2	30	671	ug/kg	25.0	ug/kg	N	0.0373
BIST005	UB054F0515	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST005	UB054F0501	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	20.0	ug/kg	N	0.0186
BIST005	UB051F0515	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	100.0	ug/kg	N	0.114
BIST005	UB054F0511	Spotted seatrout	Whole Body	Acenaphthene	3B	32	2	30	671	ug/kg	25.0	ug/kg	N	0.0373
BIST005	UB051F0504	Gulf killifish	Whole Body	Acenaphthene	1	12	1	11	876	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0507	Spotted seatrout	Whole Body	Acenaphthene	3B	32	2	30	671	ug/kg	25.0	ug/kg	N	0.0373
BIST005	UB054F0508	Spotted seatrout	Whole Body	Acenaphthene	3B	32	2	30	671	ug/kg	25.0	ug/kg	N	0.0373
BIST006	MB014F0612	Spotted seatrout	Whole Body	Acenaphthene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0601	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST006	MB012F0601	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	80.0	ug/kg	N	0.112
BIST006	MB012F0605	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	80.0	ug/kg	N	0.112
BIST006	MB014F0608	Spotted seatrout	Whole Body	Acenaphthene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0603	Spotted seatrout	Whole Body	Acenaphthene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0615	Sand seatrout	Whole Body	Acenaphthene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0613	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	20.0	ug/kg	N	0.0281
BIST006	MB012F0610	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB012F0606	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB012F0603	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	40.0	ug/kg	N	0.0561
BIST006	MB012F0607	Spot	Whole Body	Acenaphthene	2B	3	1	2	275	ug/kg	80.0	ug/kg	N	0.291
BIST006	MB011F0605	Gulf killifish	Whole Body	Acenaphthene	1	14	2	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB014F0605	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST006	MB011F0615	Gulf killifish	Whole Body	Acenaphthene	1	14	2	12	361	ug/kg	200	ug/kg	N	0.555
BIST006	MB012F0619	Spot	Whole Body	Acenaphthene	2B	3	1	2	275	ug/kg	60.0	ug/kg	N	0.218
BIST006	MB012F0609	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	160	ug/kg	N	0.225
BIST006	MB012F0602	Gulf menhaden	Whole Body	Acenaphthene	2A	31	2	29	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB014F0604	Spotted seatrout	Whole Body	Acenaphthene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB011F0616	Gulf killifish	Whole Body	Acenaphthene	1	14	2	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB014F0628	White mullet	Whole Body	Acenaphthene	3A	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0630	Sand seatrout	Whole Body	Acenaphthene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0611	Spot	Whole Body	Acenaphthene	2B	3	1	2	275	ug/kg	60.0	ug/kg	N	0.218
BIST006	MB011F0624	Gulf killifish	Whole Body	Acenaphthene	1	14	2	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB014F0602	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST006	MB011F0607	Gulf killifish	Whole Body	Acenaphthene	1	14	2	12	361	ug/kg	200	ug/kg	N	0.555
BIST007	MB011F0703	Gulf killifish	Whole Body	Acenaphthene	1	11	2	9	451	ug/kg	100.0	ug/kg	N	0.222
BIST007	MB011F0706	Gulf killifish	Whole Body	Acenaphthene	1	11	2	9	451	ug/kg	100.0	ug/kg	N	0.222
BIST007	MB011F0704	Gulf killifish	Whole Body	Acenaphthene	1	11	2	9	451	ug/kg	100.0	ug/kg	N	0.222
BIST007	MB011F0702	Gulf killifish	Whole Body	Acenaphthene	1	11	2	9	451	ug/kg	100.0	ug/kg	N	0.222
BIST007	MB011F0708	Gulf killifish	Whole Body	Acenaphthene	1	11	2	9	451	ug/kg	100.0	ug/kg	N	0.222
BIST008	MB031V0802	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	40.0	ug/kg	N	0.0693
BIST008	MB031V0819	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031V0811	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031V0813	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	200	ug/kg	N	0.346
BIST008	MB031F0806	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	515	ug/kg	100.0	ug/kg	N	0.194
BIST008	MB031V0808	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031F0811	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	515	ug/kg	100.0	ug/kg	N	0.194
BIST008	MB031V0810	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031V0803	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	200	ug/kg	N	0.346
BIST008	MB031V0812	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031F0805	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	515	ug/kg	100.0	ug/kg	N	0.194
BIST008	MB031V0807	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031F0803	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	515	ug/kg	100.0	ug/kg	N	0.194
BIST008	MB031V0816	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031V0801	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	200	ug/kg	N	0.346
BIST008	MB031V0817	Shrimp	Shellfish	Acenaphthene	I 2A	45	2	43	577	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031F0804	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	515	ug/kg	100.0	ug/kg	N	0.194
BIST010	MB031F1001	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	509	ug/kg	100.0	ug/kg	N	0.197
BIST010	MB031F1009	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	509	ug/kg	100.0	ug/kg	N	0.197
BIST010	MB031F1004	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	509	ug/kg	100.0	ug/kg	N	0.197
BIST010	MB031F1013	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	509	ug/kg	100.0	ug/kg	N	0.197
BIST010	MB031F1006	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	509	ug/kg	100.0	ug/kg	N	0.197
BIST011	LB011F1103	Gulf killifish	Whole Body	Acenaphthene	1	24	0	24	607	ug/kg	200	ug/kg	N	0.329
BIST011	LB011F1101	Gulf killifish	Whole Body	Acenaphthene	1	24	0	24	607	ug/kg	200	ug/kg	N	0.329
BIST011	LB011F1105	Gulf killifish	Whole Body	Acenaphthene	1	24	0	24	607	ug/kg	200	ug/kg	N	0.329
BIST012	LB011F1204	Gulf killifish	Whole Body	Acenaphthene	1	27	0	27	649	ug/kg	20.0	ug/kg	N	0.0308

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST012	LB011F1202	Gulf killifish	Whole Body	Acenaphthene	1	27	0	27	649	ug/kg	100.0	ug/kg	N	0.154
BIST012	LB011F1201	Gulf killifish	Whole Body	Acenaphthene	1	27	0	27	649	ug/kg	200	ug/kg	N	0.308
BIST013	LB011F1302	Gulf killifish	Whole Body	Acenaphthene	1	27	0	27	577	ug/kg	40.0	ug/kg	N	0.0693
BIST013	LB011F1305	Gulf killifish	Whole Body	Acenaphthene	1	27	0	27	577	ug/kg	100.0	ug/kg	N	0.173
BIST013	LB011F1301	Gulf killifish	Whole Body	Acenaphthene	1	27	0	27	577	ug/kg	100.0	ug/kg	N	0.173
BIST015	LB032F1507	Gulf menhaden	Whole Body	Acenaphthene	2A	118	4	114	1600	ug/kg	40.0	ug/kg	N	0.0250
BIST015	LB031F1506	Gulf killifish	Whole Body	Acenaphthene	1	38	4	34	3750	ug/kg	100.0	ug/kg	N	0.0267
BIST015	LB032F1503	Threadfin shad	Whole Body	Acenaphthene	2A	118	4	114	1600	ug/kg	80.0	ug/kg	N	0.0500
BIST015	LB032F1502	Gulf menhaden	Whole Body	Acenaphthene	2A	118	4	114	1600	ug/kg	80.0	ug/kg	N	0.0500
BIST015	LB031F1502	Gulf killifish	Whole Body	Acenaphthene	1	38	4	34	3750	ug/kg	100.0	ug/kg	N	0.0267
BIST015	LB032F1501	Gulf menhaden	Whole Body	Acenaphthene	2A	118	4	114	1600	ug/kg	80.0	ug/kg	N	0.0500
BIST015	LB032F1506	Spot	Whole Body	Acenaphthene	2B	4	1	3	3140	ug/kg	40.0	ug/kg	N	0.0127
BIST015	LB031F1504	Gulf killifish	Whole Body	Acenaphthene	1	38	4	34	3750	ug/kg	200	ug/kg	N	0.0533
BIST015	LB032F1505	Gulf menhaden	Whole Body	Acenaphthene	2A	118	4	114	1600	ug/kg	60.0	ug/kg	N	0.0375
BIST015	LB033F1512	Striped mullet	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST015	LB033F1510	Striped mullet	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST015	LB034F1502	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST015	LB034F1505	Spotted seatrout	Whole Body	Acenaphthene	3B	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1501	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1515	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1506	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1505	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1509	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1511	Striped mullet	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST015	LB033F1518	Gulf menhaden	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1507	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1503	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB034F1501	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST015	LB033F1517	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1502	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1504	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1508	Striped mullet	Whole Body	Acenaphthene	3A	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1513	Striped mullet	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST015	LB034F1506	Atlantic croaker	Whole Body	Acenaphthene	3B	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB034F1504	Spotted seatrout	Whole Body	Acenaphthene	3B	118	4	114	1600	ug/kg	25.0	ug/kg	N	0.0156
BIST015	LB033F1514	Striped mullet	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST016	LB031F1601	Gulf killifish	Whole Body	Acenaphthene	1	49	4	45	3060	ug/kg	200	ug/kg	N	0.0653
BIST016	LB031F1610	Gulf killifish	Whole Body	Acenaphthene	1	49	4	45	3060	ug/kg	20.0	ug/kg	N	0.00653
BIST016	LB031F1602	Gulf killifish	Whole Body	Acenaphthene	1	49	4	45	3060	ug/kg	20.0	ug/kg	N	0.00653
BIST017	LB031A1753	Mussels	Shellfish	Acenaphthene	I 1A	1	1	0	1460	ug/kg	100.0	ug/kg	N	0.0685
BIST017	LB031A1754	Mussels	Shellfish	Acenaphthene	I 1A	1	1	0	1460	ug/kg	100.0	ug/kg	N	0.0685
BIST017	LB031F1702	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	7070	ug/kg	500	ug/kg	N	0.0708
BIST017	LB031A1752	Mussels	Shellfish	Acenaphthene	I 1A	1	1	0	1460	ug/kg	100.0	ug/kg	N	0.0685
BIST017	LB031F1704	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	7070	ug/kg	40.0	ug/kg	N	0.00566
BIST017	LB031F1703	Gulf killifish	Whole Body	Acenaphthene	1	18	2	16	7070	ug/kg	60.0	ug/kg	N	0.00849
BIST019	LB061F1902	Gulf killifish	Whole Body	Acenaphthene	1	37	2	35	686	ug/kg	200	ug/kg	N	0.292
BIST019	LB061F1901	Gulf killifish	Whole Body	Acenaphthene	1	37	2	35	686	ug/kg	20.0	ug/kg	N	0.0292
BIST019	LB061F1903	Gulf killifish	Whole Body	Acenaphthene	1	37	2	35	686	ug/kg	20.0	ug/kg	N	0.0292
BIST021	LB094F2134	Pinfish	Whole Body	Acenaphthene	3B	65	2	63	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB094F2107	Atlantic croaker	Whole Body	Acenaphthene	3B	65	2	63	639	ug/kg	25.0	ug/kg	N	0.0391

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2124	Spotted seatrout	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2121	Spotted seatrout	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB093F2101	Striped mullet	Whole Body	Acenaphthene	3A	65	2	63	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB093F2105	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB093F2103	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2122	Spotted seatrout	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB093F2104	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2115	Black Drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB093F2107	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	26.0	ug/kg	Y	0.0241
BIST021	LB094F2120	Spotted seatrout	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2118	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2141	Pinfish	Whole Body	Acenaphthene	3B	65	2	63	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB093F2108	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB093F2102	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2104	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2103	Red drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB093F2106	Gizzard shad	Whole Body	Acenaphthene	4A	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST021	LB094F2151	Spotted seatrout	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	25.0	ug/kg	N	0.0232
BIST024	LB131F2402	Gulf killifish	Whole Body	Acenaphthene	1	45	1	44	558	ug/kg	100.0	ug/kg	N	0.179
BIST024	LB131F2406	Gulf killifish	Whole Body	Acenaphthene	1	45	1	44	558	ug/kg	200	ug/kg	N	0.358
BIST024	LB131F2408	Gulf killifish	Whole Body	Acenaphthene	1	45	1	44	558	ug/kg	200	ug/kg	N	0.358
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Acenaphthene	1	44	1	43	856	ug/kg	400	ug/kg	N	0.467
BIST025	LB131F2502	Gulf killifish	Whole Body	Acenaphthene	1	44	1	43	856	ug/kg	200	ug/kg	N	0.234
BIST025	LB132F2503	Spot	Whole Body	Acenaphthene	2B	1	0	1	360	ug/kg	60.0	ug/kg	N	0.167
BIST025	LB132F2502	Gulf menhaden	Whole Body	Acenaphthene	2A	110	4	106	1680	ug/kg	20.0	ug/kg	N	0.0119
BIST025	LB132F2501	Gulf menhaden	Whole Body	Acenaphthene	2A	110	4	106	1680	ug/kg	80.0	ug/kg	N	0.0476
BIST026	LB131F2604	Gulf killifish	Whole Body	Acenaphthene	1	38	2	36	901	ug/kg	100.0	ug/kg	N	0.111
BIST026	LB131F2601	Gulf killifish	Whole Body	Acenaphthene	1	38	2	36	901	ug/kg	40.0	ug/kg	N	0.0444
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Acenaphthene	1	23	0	23	598	ug/kg	40.0	ug/kg	N	0.0669
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Acenaphthene	1	23	0	23	598	ug/kg	200	ug/kg	N	0.335
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Acenaphthene	1	23	0	23	598	ug/kg	200	ug/kg	N	0.335
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Acenaphthene	1	23	1	22	4970	ug/kg	40.0	ug/kg	N	0.00805
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Acenaphthene	1	23	1	22	4970	ug/kg	100.0	ug/kg	N	0.0201
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Acenaphthene	1	23	1	22	4970	ug/kg	200	ug/kg	N	0.0403
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Acenaphthene	1	22	0	22	844	ug/kg	20.0	ug/kg	N	0.0237
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Acenaphthene	1	22	0	22	844	ug/kg	200	ug/kg	N	0.237
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Acenaphthene	1	22	0	22	844	ug/kg	200	ug/kg	N	0.237
BISTC01	BAYD4C0103	Blue crab	Shellfish	Acenaphthene	I 2B	64	2	62	630	ug/kg	20.0	ug/kg	N	0.0318
BISTC01	BAYD4C0101	Blue crab	Shellfish	Acenaphthene	I 2B	64	2	62	630	ug/kg	20.0	ug/kg	N	0.0318
BISTC02	BAYD4C0205	Blue crab	Shellfish	Acenaphthene	I 2B	71	2	69	623	ug/kg	20.0	ug/kg	N	0.0321
BISTC02	BAYD4C0201	Blue crab	Shellfish	Acenaphthene	I 2B	71	2	69	623	ug/kg	20.0	ug/kg	N	0.0321
BISTC02	BAYD4C0203	Blue crab	Shellfish	Acenaphthene	I 2B	71	2	69	623	ug/kg	20.0	ug/kg	N	0.0321
BISTC03	BAYD4C0302	Blue crab	Shellfish	Acenaphthene	I 2B	100	4	96	1780	ug/kg	20.0	ug/kg	N	0.0112
BISTC05	BAYD4C0502	Blue crab	Shellfish	Acenaphthene	I 2B	102	3	99	1730	ug/kg	20.0	ug/kg	N	0.0116
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Acenaphthene	2A	70	0	70	566	ug/kg	1000	ug/kg	N	1.77
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Acenaphthene	I 2B	71	0	71	594	ug/kg	1000	ug/kg	N	1.68
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Acenaphthene	3B	112	4	108	1650	ug/kg	1000	ug/kg	N	0.606
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Acenaphthene	3B	112	4	108	1650	ug/kg	1000	ug/kg	N	0.606
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Acenaphthene	3B	112	4	108	1650	ug/kg	500	ug/kg	N	0.303
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Acenaphthene	4B	245	8	237	1080	ug/kg	500	ug/kg	N	0.464

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Acenaphthene	3B	112	4	108	1650	ug/kg	500	ug/kg	N	0.302
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Acenaphthene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Acenaphthene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Acenaphthene	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Acenaphthene	I 1A	1	0	1	285	ug/kg	0.320	ug/kg	Y	0.00112
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Acenaphthene	I 1A	1	0	1	420	ug/kg	335	ug/kg	N	0.798
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Acenaphthene	I 1A	1	0	1	420	ug/kg	335	ug/kg	N	0.798
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Acenaphthene	I 1A	1	0	1	485	ug/kg	0.460	ug/kg	Y	0.000948
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Acenaphthene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Acenaphthene	I 1B	1	0	1	550	ug/kg	335	ug/kg	N	0.609
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Acenaphthene	I 1B	3	0	3	363	ug/kg	335	ug/kg	N	0.922
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Acenaphthene	I 1B	3	0	3	178	ug/kg	0.710	ug/kg	Y	0.00398
BIST004	UB041F0401	Gulf killifish	Whole Body	Acenaphthylene	1	15	2	13	756	ug/kg	100.0	ug/kg	N	0.132
BIST004	UB041F0404	Gulf killifish	Whole Body	Acenaphthylene	1	15	2	13	756	ug/kg	100.0	ug/kg	N	0.132
BIST004	UB041F0402	Gulf killifish	Whole Body	Acenaphthylene	1	15	2	13	756	ug/kg	20.0	ug/kg	N	0.0264
BIST005	UB051F0525	Sailfin molly	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	60.0	ug/kg	N	0.0736
BIST005	UB051F0518	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB054F0511	Spotted seatrout	Whole Body	Acenaphthylene	3B	34	5	29	633	ug/kg	25.0	ug/kg	N	0.0395
BIST005	UB052F0501	Gulf menhaden	Whole Body	Acenaphthylene	2A	34	5	29	633	ug/kg	100.0	ug/kg	N	0.158
BIST005	UB051F0508	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0523	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB051F0511	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB054F0515	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST005	UB051F0505	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB054F0516	Skipjack herring	Whole Body	Acenaphthylene	3A	34	5	29	633	ug/kg	25.0	ug/kg	N	0.0395
BIST005	UB051F0502	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0503	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB054F0504	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST005	UB051F0516	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB051F0501	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB051F0509	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB054F0506	Spotted seatrout	Whole Body	Acenaphthylene	3B	34	5	29	633	ug/kg	25.0	ug/kg	N	0.0395
BIST005	UB054F0503	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST005	UB051F0512	Sailfin molly	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	80.0	ug/kg	N	0.0981
BIST005	UB051F0504	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB054F0514	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	20.0	ug/kg	N	0.0196
BIST005	UB054F0505	Spotted seatrout	Whole Body	Acenaphthylene	3B	34	5	29	633	ug/kg	25.0	ug/kg	N	0.0395
BIST005	UB054F0502	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST005	UB054F0507	Spotted seatrout	Whole Body	Acenaphthylene	3B	34	5	29	633	ug/kg	25.0	ug/kg	N	0.0395
BIST005	UB051F0520	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB051F0510	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB054F0508	Spotted seatrout	Whole Body	Acenaphthylene	3B	34	5	29	633	ug/kg	25.0	ug/kg	N	0.0395
BIST005	UB051F0515	Gulf killifish	Whole Body	Acenaphthylene	1	13	2	11	815	ug/kg	100.0	ug/kg	N	0.123
BIST005	UB054F0501	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	20.0	ug/kg	N	0.0196
BIST006	MB012F0607	Spot	Whole Body	Acenaphthylene	2B	3	1	2	370	ug/kg	80.0	ug/kg	N	0.216
BIST006	MB014F0628	White mullet	Whole Body	Acenaphthylene	3A	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB012F0606	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	60.0	ug/kg	N	0.0855
BIST006	MB014F0603	Spotted seatrout	Whole Body	Acenaphthylene	3B	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB014F0602	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0619	Spot	Whole Body	Acenaphthylene	2B	3	1	2	370	ug/kg	60.0	ug/kg	N	0.162
BIST006	MB011F0616	Gulf killifish	Whole Body	Acenaphthylene	1	15	3	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB012F0609	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	160	ug/kg	N	0.228
BIST006	MB011F0605	Gulf killifish	Whole Body	Acenaphthylene	1	15	3	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB012F0611	Spot	Whole Body	Acenaphthylene	2B	3	1	2	370	ug/kg	60.0	ug/kg	N	0.162
BIST006	MB014F0604	Spotted seatrout	Whole Body	Acenaphthylene	3B	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB012F0603	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	40.0	ug/kg	N	0.0570
BIST006	MB011F0607	Gulf killifish	Whole Body	Acenaphthylene	1	15	3	12	361	ug/kg	200	ug/kg	N	0.554
BIST006	MB014F0630	Sand seatrout	Whole Body	Acenaphthylene	3B	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB014F0605	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST006	MB011F0615	Gulf killifish	Whole Body	Acenaphthylene	1	15	3	12	361	ug/kg	200	ug/kg	N	0.554
BIST006	MB012F0602	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	60.0	ug/kg	N	0.0855
BIST006	MB012F0613	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	20.0	ug/kg	N	0.0285
BIST006	MB011F0624	Gulf killifish	Whole Body	Acenaphthylene	1	15	3	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB014F0615	Sand seatrout	Whole Body	Acenaphthylene	3B	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB014F0601	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST006	MB012F0601	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB014F0608	Spotted seatrout	Whole Body	Acenaphthylene	3B	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB014F0612	Spotted seatrout	Whole Body	Acenaphthylene	3B	32	3	29	702	ug/kg	25.0	ug/kg	N	0.0356
BIST006	MB012F0605	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB012F0610	Gulf menhaden	Whole Body	Acenaphthylene	2A	32	3	29	702	ug/kg	60.0	ug/kg	N	0.0855
BIST007	MB011F0703	Gulf killifish	Whole Body	Acenaphthylene	1	12	3	9	444	ug/kg	100.0	ug/kg	N	0.225
BIST007	MB011F0706	Gulf killifish	Whole Body	Acenaphthylene	1	12	3	9	444	ug/kg	100.0	ug/kg	N	0.225
BIST007	MB011F0708	Gulf killifish	Whole Body	Acenaphthylene	1	12	3	9	444	ug/kg	100.0	ug/kg	N	0.225
BIST007	MB011F0702	Gulf killifish	Whole Body	Acenaphthylene	1	12	3	9	444	ug/kg	100.0	ug/kg	N	0.225
BIST007	MB011F0704	Gulf killifish	Whole Body	Acenaphthylene	1	12	3	9	444	ug/kg	100.0	ug/kg	N	0.225
BIST008	MB031V0810	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031V0816	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031F0811	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	479	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0813	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	200	ug/kg	N	0.364
BIST008	MB031V0802	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	40.0	ug/kg	N	0.0727
BIST008	MB031V0808	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031F0803	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	479	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0803	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	200	ug/kg	N	0.364
BIST008	MB031V0817	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031F0805	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	479	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0811	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031V0819	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031F0806	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	479	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0801	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	200	ug/kg	N	0.364
BIST008	MB031V0812	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST008	MB031F0804	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	479	ug/kg	100.0	ug/kg	N	0.209
BIST008	MB031V0807	Shrimp	Shellfish	Acenaphthylene	I 2A	46	4	42	550	ug/kg	20.0	ug/kg	N	0.0364
BIST010	MB031F1009	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	473	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1004	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	473	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1006	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	473	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1013	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	473	ug/kg	100.0	ug/kg	N	0.211
BIST010	MB031F1001	Gulf killifish	Whole Body	Acenaphthylene	1	19	2	17	473	ug/kg	100.0	ug/kg	N	0.211
BIST011	LB011F1103	Gulf killifish	Whole Body	Acenaphthylene	1	29	5	24	549	ug/kg	200	ug/kg	N	0.365
BIST011	LB011F1105	Gulf killifish	Whole Body	Acenaphthylene	1	29	5	24	549	ug/kg	200	ug/kg	N	0.365

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST011	LB011F1101	Gulf killifish	Whole Body	Acenaphthylene	1	29	5	24	549	ug/kg	200	ug/kg	N	0.365
BIST012	LB011F1202	Gulf killifish	Whole Body	Acenaphthylene	1	34	7	27	559	ug/kg	100.0	ug/kg	N	0.179
BIST012	LB011F1204	Gulf killifish	Whole Body	Acenaphthylene	1	34	7	27	559	ug/kg	20.0	ug/kg	N	0.0357
BIST012	LB011F1201	Gulf killifish	Whole Body	Acenaphthylene	1	34	7	27	559	ug/kg	200	ug/kg	N	0.357
BIST013	LB011F1305	Gulf killifish	Whole Body	Acenaphthylene	1	35	8	27	489	ug/kg	100.0	ug/kg	N	0.204
BIST013	LB011F1301	Gulf killifish	Whole Body	Acenaphthylene	1	35	8	27	489	ug/kg	100.0	ug/kg	N	0.204
BIST013	LB011F1302	Gulf killifish	Whole Body	Acenaphthylene	1	35	8	27	489	ug/kg	40.0	ug/kg	N	0.0818
BIST015	LB031F1502	Gulf killifish	Whole Body	Acenaphthylene	1	42	7	35	3390	ug/kg	100.0	ug/kg	N	0.0295
BIST015	LB032F1506	Spot	Whole Body	Acenaphthylene	2B	4	1	3	3120	ug/kg	40.0	ug/kg	N	0.0128
BIST015	LB032F1502	Gulf menhaden	Whole Body	Acenaphthylene	2A	129	14	115	1470	ug/kg	80.0	ug/kg	N	0.0544
BIST015	LB031F1506	Gulf killifish	Whole Body	Acenaphthylene	1	42	7	35	3390	ug/kg	100.0	ug/kg	N	0.0295
BIST015	LB031F1504	Gulf killifish	Whole Body	Acenaphthylene	1	42	7	35	3390	ug/kg	200	ug/kg	N	0.0591
BIST015	LB032F1501	Gulf menhaden	Whole Body	Acenaphthylene	2A	129	14	115	1470	ug/kg	80.0	ug/kg	N	0.0544
BIST015	LB032F1505	Gulf menhaden	Whole Body	Acenaphthylene	2A	129	14	115	1470	ug/kg	60.0	ug/kg	N	0.0408
BIST015	LB032F1507	Gulf menhaden	Whole Body	Acenaphthylene	2A	129	14	115	1470	ug/kg	40.0	ug/kg	N	0.0272
BIST015	LB032F1503	Threadfin shad	Whole Body	Acenaphthylene	2A	129	14	115	1470	ug/kg	80.0	ug/kg	N	0.0544
BIST015	LB034F1506	Atlantic croaker	Whole Body	Acenaphthylene	3B	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1510	Striped mullet	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB033F1502	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1501	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1511	Striped mullet	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB034F1504	Spotted seatrout	Whole Body	Acenaphthylene	3B	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB034F1501	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB033F1518	Gulf menhaden	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1513	Striped mullet	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB033F1505	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1517	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB034F1502	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB033F1515	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1514	Striped mullet	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB033F1512	Striped mullet	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST015	LB034F1505	Spotted seatrout	Whole Body	Acenaphthylene	3B	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1507	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1509	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1503	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1506	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1504	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST015	LB033F1508	Striped mullet	Whole Body	Acenaphthylene	3A	129	14	115	1470	ug/kg	25.0	ug/kg	N	0.0170
BIST016	LB031F1602	Gulf killifish	Whole Body	Acenaphthylene	1	54	8	46	2780	ug/kg	20.0	ug/kg	N	0.00721
BIST016	LB031F1610	Gulf killifish	Whole Body	Acenaphthylene	1	54	8	46	2780	ug/kg	20.0	ug/kg	N	0.00721
BIST016	LB031F1601	Gulf killifish	Whole Body	Acenaphthylene	1	54	8	46	2780	ug/kg	200	ug/kg	N	0.0721
BIST017	LB031A1754	Mussels	Shellfish	Acenaphthylene	I 1A	1	1	0	549	ug/kg	100.0	ug/kg	N	0.182
BIST017	LB031A1752	Mussels	Shellfish	Acenaphthylene	I 1A	1	1	0	549	ug/kg	100.0	ug/kg	N	0.182
BIST017	LB031F1702	Gulf killifish	Whole Body	Acenaphthylene	1	19	3	16	6660	ug/kg	500	ug/kg	N	0.0751
BIST017	LB031F1704	Gulf killifish	Whole Body	Acenaphthylene	1	19	3	16	6660	ug/kg	40.0	ug/kg	N	0.00601
BIST017	LB031F1703	Gulf killifish	Whole Body	Acenaphthylene	1	19	3	16	6660	ug/kg	60.0	ug/kg	N	0.00901
BIST017	LB031A1753	Mussels	Shellfish	Acenaphthylene	I 1A	1	1	0	549	ug/kg	100.0	ug/kg	N	0.182
BIST019	LB061F1901	Gulf killifish	Whole Body	Acenaphthylene	1	41	5	36	631	ug/kg	20.0	ug/kg	N	0.0317
BIST019	LB061F1902	Gulf killifish	Whole Body	Acenaphthylene	1	41	5	36	631	ug/kg	200	ug/kg	N	0.317
BIST019	LB061F1903	Gulf killifish	Whole Body	Acenaphthylene	1	41	5	36	631	ug/kg	20.0	ug/kg	N	0.0317

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2103	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB093F2101	Striped mullet	Whole Body	Acenaphthylene	3A	67	3	64	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB094F2118	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2115	Black Drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2120	Spotted seatrout	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB093F2102	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2151	Spotted seatrout	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB093F2106	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB093F2107	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2103	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2107	Atlantic croaker	Whole Body	Acenaphthylene	3B	67	3	64	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB094F2134	Pinfish	Whole Body	Acenaphthylene	3B	67	3	64	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB093F2105	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2124	Spotted seatrout	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2122	Spotted seatrout	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB093F2104	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB093F2108	Gizzard shad	Whole Body	Acenaphthylene	4A	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2104	Red drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2121	Spotted seatrout	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	25.0	ug/kg	N	0.0245
BIST021	LB094F2141	Pinfish	Whole Body	Acenaphthylene	3B	67	3	64	625	ug/kg	25.0	ug/kg	N	0.0400
BIST024	LB131F2406	Gulf killifish	Whole Body	Acenaphthylene	1	49	5	44	527	ug/kg	200	ug/kg	N	0.380
BIST024	LB131F2408	Gulf killifish	Whole Body	Acenaphthylene	1	49	5	44	527	ug/kg	200	ug/kg	N	0.380
BIST024	LB131F2402	Gulf killifish	Whole Body	Acenaphthylene	1	49	5	44	527	ug/kg	100.0	ug/kg	N	0.190
BIST025	LB132F2502	Gulf menhaden	Whole Body	Acenaphthylene	2A	121	14	107	1540	ug/kg	20.0	ug/kg	N	0.0130
BIST025	LB132F2501	Gulf menhaden	Whole Body	Acenaphthylene	2A	121	14	107	1540	ug/kg	80.0	ug/kg	N	0.0520
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Acenaphthylene	1	51	8	43	780	ug/kg	400	ug/kg	N	0.513
BIST025	LB132F2503	Spot	Whole Body	Acenaphthylene	2B	2	1	1	200	ug/kg	60.0	ug/kg	N	0.300
BIST025	LB131F2502	Gulf killifish	Whole Body	Acenaphthylene	1	51	8	43	780	ug/kg	200	ug/kg	N	0.256
BIST026	LB131F2601	Gulf killifish	Whole Body	Acenaphthylene	1	47	11	36	766	ug/kg	40.0	ug/kg	N	0.0522
BIST026	LB131F2604	Gulf killifish	Whole Body	Acenaphthylene	1	47	11	36	766	ug/kg	100.0	ug/kg	N	0.131
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Acenaphthylene	1	30	7	23	508	ug/kg	200	ug/kg	N	0.394
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Acenaphthylene	1	30	7	23	508	ug/kg	40.0	ug/kg	N	0.0788
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Acenaphthylene	1	30	7	23	508	ug/kg	200	ug/kg	N	0.394
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Acenaphthylene	1	29	7	22	3990	ug/kg	100.0	ug/kg	N	0.0251
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Acenaphthylene	1	29	7	22	3990	ug/kg	40.0	ug/kg	N	0.0100
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Acenaphthylene	1	29	7	22	3990	ug/kg	200	ug/kg	N	0.0502
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Acenaphthylene	1	29	7	22	691	ug/kg	200	ug/kg	N	0.289
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Acenaphthylene	1	29	7	22	691	ug/kg	200	ug/kg	N	0.289
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Acenaphthylene	1	29	7	22	691	ug/kg	20.0	ug/kg	N	0.0289
BISTC01	BAYD4C0103	Blue crab	Shellfish	Acenaphthylene	I 2B	67	4	63	607	ug/kg	20.0	ug/kg	N	0.0329
BISTC01	BAYD4C0101	Blue crab	Shellfish	Acenaphthylene	I 2B	67	4	63	607	ug/kg	20.0	ug/kg	N	0.0329
BISTC02	BAYD4C0205	Blue crab	Shellfish	Acenaphthylene	I 2B	75	5	70	596	ug/kg	20.0	ug/kg	N	0.0335
BISTC02	BAYD4C0203	Blue crab	Shellfish	Acenaphthylene	I 2B	75	5	70	596	ug/kg	20.0	ug/kg	N	0.0335
BISTC02	BAYD4C0201	Blue crab	Shellfish	Acenaphthylene	I 2B	75	5	70	596	ug/kg	20.0	ug/kg	N	0.0335
BISTC03	BAYD4C0302	Blue crab	Shellfish	Acenaphthylene	I 2B	105	8	97	1700	ug/kg	20.0	ug/kg	N	0.0118
BISTC05	BAYD4C0502	Blue crab	Shellfish	Acenaphthylene	I 2B	113	14	99	1570	ug/kg	20.0	ug/kg	N	0.0127
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Acenaphthylene	2A	76	8	68	534	ug/kg	1000	ug/kg	N	1.87
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Acenaphthylene	I 2B	80	9	71	547	ug/kg	1000	ug/kg	N	1.83
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Acenaphthylene	3B	123	14	109	1510	ug/kg	500	ug/kg	N	0.331
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Acenaphthylene	4B	259	23	236	1020	ug/kg	500	ug/kg	N	0.489

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Acenaphthylene	3B	123	14	109	1510	ug/kg	1000	ug/kg	N	0.662
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Acenaphthylene	3B	123	14	109	1510	ug/kg	1000	ug/kg	N	0.662
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Acenaphthylene	3B	123	14	109	1520	ug/kg	500	ug/kg	N	0.330
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Acenaphthylene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Acenaphthylene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Acenaphthylene	I 1A	1	0	1	285	ug/kg	1.30	ug/kg	Y	0.00456
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Acenaphthylene	I 1A	1	0	1	285	ug/kg	2.10	ug/kg	Y	0.00737
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Acenaphthylene	I 1A	1	0	1	420	ug/kg	0.780	ug/kg	Y	0.00186
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Acenaphthylene	I 1A	1	0	1	420	ug/kg	0.610	ug/kg	Y	0.00145
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Acenaphthylene	I 1A	1	0	1	485	ug/kg	0.770	ug/kg	Y	0.00159
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Acenaphthylene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Acenaphthylene	I 1B	1	0	1	550	ug/kg	0.510	ug/kg	Y	0.000927
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Acenaphthylene	I 1B	3	0	3	363	ug/kg	0.840	ug/kg	Y	0.00231
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Acenaphthylene	I 1B	3	0	3	178	ug/kg	0.530	ug/kg	Y	0.00297
BIST004	UB041F0402	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0401	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0404	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST005	UB051F0505	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0501	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aldrin	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0525	Sailfin molly	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0516	Skipjack herring	Whole Body	Aldrin	3A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0503	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST005	UB051F0512	Sailfin molly	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0523	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aldrin	2A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0511	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0515	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST005	UB051F0508	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST005	UB054F0514	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST005	UB051F0518	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aldrin	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0502	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0515	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0516	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0504	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0503	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0510	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aldrin	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0520	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aldrin	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0501	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0502	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST005	UB051F0509	Gulf killifish	Whole Body	Aldrin	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aldrin	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST006	MB011F0616	Gulf killifish	Whole Body	Aldrin	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB011F0624	Gulf killifish	Whole Body	Aldrin	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0607	Spot	Whole Body	Aldrin	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0628	White mullet	Whole Body	Aldrin	3A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB011F0615	Gulf killifish	Whole Body	Aldrin	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0611	Spot	Whole Body	Aldrin	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aldrin	3B	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aldrin	3B	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB014F0602	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB011F0607	Gulf killifish	Whole Body	Aldrin	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0630	Sand seatrout	Whole Body	Aldrin	3B	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB014F0605	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aldrin	3B	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB014F0601	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST006	MB014F0615	Sand seatrout	Whole Body	Aldrin	3B	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB011F0605	Gulf killifish	Whole Body	Aldrin	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0619	Spot	Whole Body	Aldrin	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aldrin	2A	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aldrin	3B	31	1	30	2.51	ug/kg	5.00	ug/kg	N	1.99
BIST007	MB011F0702	Gulf killifish	Whole Body	Aldrin	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0703	Gulf killifish	Whole Body	Aldrin	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0708	Gulf killifish	Whole Body	Aldrin	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0704	Gulf killifish	Whole Body	Aldrin	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0706	Gulf killifish	Whole Body	Aldrin	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST008	MB031V0808	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0810	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0818	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	50.0	ug/kg	N	12.4
BIST008	MB031V0801	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0802	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	50.0	ug/kg	N	12.4
BIST008	MB031V0819	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0803	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	50.0	ug/kg	N	12.4
BIST008	MB031F0805	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.85	ug/kg	5.00	ug/kg	N	0.855
BIST008	MB031V0807	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0813	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0817	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0812	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031V0816	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031F0803	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.85	ug/kg	5.00	ug/kg	N	0.855
BIST008	MB031F0806	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.85	ug/kg	5.00	ug/kg	N	0.855
BIST008	MB031V0811	Shrimp	Shellfish	Aldrin	I 2A	45	5	40	4.05	ug/kg	5.00	ug/kg	N	1.24
BIST008	MB031F0811	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.85	ug/kg	5.00	ug/kg	N	0.855
BIST008	MB031F0804	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.85	ug/kg	5.00	ug/kg	N	0.855
BIST010	MB031F1006	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.83	ug/kg	5.00	ug/kg	N	0.857
BIST010	MB031F1009	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.83	ug/kg	5.00	ug/kg	N	0.857
BIST010	MB031F1001	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.83	ug/kg	5.00	ug/kg	N	0.857

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST010	MB031F1013	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.83	ug/kg	5.00	ug/kg	N	0.857
BIST010	MB031F1004	Gulf killifish	Whole Body	Aldrin	1	20	1	19	5.83	ug/kg	5.00	ug/kg	N	0.857
BIST011	LB011F1105	Gulf killifish	Whole Body	Aldrin	1	27	11	16	19.5	ug/kg	5.00	ug/kg	N	0.256
BIST011	LB011F1103	Gulf killifish	Whole Body	Aldrin	1	27	11	16	19.5	ug/kg	5.00	ug/kg	N	0.256
BIST011	LB011F1101	Gulf killifish	Whole Body	Aldrin	1	27	11	16	19.5	ug/kg	5.00	ug/kg	N	0.256
BIST012	LB011F1201	Gulf killifish	Whole Body	Aldrin	1	30	10	20	19.5	ug/kg	5.00	ug/kg	N	0.257
BIST012	LB011F1204	Gulf killifish	Whole Body	Aldrin	1	30	10	20	19.5	ug/kg	5.00	ug/kg	N	0.257
BIST012	LB011F1202	Gulf killifish	Whole Body	Aldrin	1	30	10	20	19.5	ug/kg	5.00	ug/kg	N	0.257
BIST013	LB011F1302	Gulf killifish	Whole Body	Aldrin	1	30	9	21	19.8	ug/kg	5.00	ug/kg	N	0.252
BIST013	LB011F1301	Gulf killifish	Whole Body	Aldrin	1	30	9	21	19.8	ug/kg	5.00	ug/kg	N	0.252
BIST013	LB011F1305	Gulf killifish	Whole Body	Aldrin	1	30	9	21	19.8	ug/kg	5.00	ug/kg	N	0.252
BIST015	LB031F1506	Gulf killifish	Whole Body	Aldrin	1	24	5	19	15.9	ug/kg	5.00	ug/kg	N	0.315
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aldrin	2A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aldrin	2A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aldrin	2A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB032F1503	Threadfin shad	Whole Body	Aldrin	2A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aldrin	2A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB031F1504	Gulf killifish	Whole Body	Aldrin	1	24	5	19	15.9	ug/kg	5.00	ug/kg	N	0.315
BIST015	LB032F1504	Spot	Whole Body	Aldrin	2B	3	1	2	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST015	LB032F1506	Spot	Whole Body	Aldrin	2B	3	1	2	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST015	LB031F1502	Gulf killifish	Whole Body	Aldrin	1	24	5	19	15.9	ug/kg	5.00	ug/kg	N	0.315
BIST015	LB033F1514	Striped mullet	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	19.0	ug/kg	Y	1.76
BIST015	LB033F1505	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	11.0	ug/kg	Y	0.521
BIST015	LB033F1502	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB034F1501	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST015	LB033F1517	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	12.0	ug/kg	Y	0.568
BIST015	LB033F1508	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	24.0	ug/kg	Y	1.14
BIST015	LB034F1502	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aldrin	3B	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1516	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aldrin	3B	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1501	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1504	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1503	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	15.0	ug/kg	Y	0.710
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aldrin	3B	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1506	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	5.00	ug/kg	N	0.237
BIST015	LB033F1515	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	11.0	ug/kg	Y	0.521
BIST015	LB033F1507	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	12.0	ug/kg	Y	0.568
BIST015	LB033F1509	Striped mullet	Whole Body	Aldrin	3A	88	25	63	21.1	ug/kg	18.0	ug/kg	Y	0.852
BIST015	LB033F1511	Striped mullet	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	56.0	ug/kg	Y	5.20
BIST015	LB033F1512	Striped mullet	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST015	LB033F1513	Striped mullet	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	50.0	ug/kg	Y	4.64
BIST015	LB033F1510	Striped mullet	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	59.0	ug/kg	Y	5.48
BIST016	LB031F1601	Gulf killifish	Whole Body	Aldrin	1	35	13	22	31.4	ug/kg	5.00	ug/kg	N	0.159
BIST016	LB031F1610	Gulf killifish	Whole Body	Aldrin	1	35	13	22	31.4	ug/kg	5.00	ug/kg	N	0.159
BIST016	LB031F1602	Gulf killifish	Whole Body	Aldrin	1	35	13	22	31.4	ug/kg	5.00	ug/kg	N	0.159
BIST017	LB031F1704	Gulf killifish	Whole Body	Aldrin	1	11	4	7	23.5	ug/kg	5.00	ug/kg	N	0.213
BIST017	LB031F1703	Gulf killifish	Whole Body	Aldrin	1	11	4	7	23.5	ug/kg	5.00	ug/kg	N	0.213
BIST017	LB031A1752	Mussels	Shellfish	Aldrin	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031F1702	Gulf killifish	Whole Body	Aldrin	1	11	4	7	23.5	ug/kg	5.00	ug/kg	N	0.213
BIST017	LB031A1753	Mussels	Shellfish	Aldrin	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	Aldrin	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1903	Gulf killifish	Whole Body	Aldrin	1	26	12	14	33.7	ug/kg	5.00	ug/kg	N	0.148
BIST019	LB061F1902	Gulf killifish	Whole Body	Aldrin	1	26	12	14	33.7	ug/kg	5.00	ug/kg	N	0.148
BIST019	LB061F1901	Gulf killifish	Whole Body	Aldrin	1	26	12	14	33.7	ug/kg	5.00	ug/kg	N	0.148
BIST021	LB094F2104	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB093F2101	Striped mullet	Whole Body	Aldrin	3A	42	13	29	22.8	ug/kg	5.00	ug/kg	N	0.220
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2115	Black Drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aldrin	3B	42	13	29	22.8	ug/kg	5.00	ug/kg	N	0.220
BIST021	LB093F2103	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2141	Pinfish	Whole Body	Aldrin	3B	42	13	29	22.8	ug/kg	11.0	ug/kg	Y	0.483
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aldrin	3B	42	13	29	22.8	ug/kg	5.00	ug/kg	N	0.220
BIST021	LB094F2134	Pinfish	Whole Body	Aldrin	3B	42	13	29	22.8	ug/kg	5.00	ug/kg	N	0.220
BIST021	LB093F2106	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	14.0	ug/kg	Y	1.30
BIST021	LB094F2103	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2118	Red drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB093F2108	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	19.0	ug/kg	Y	1.76
BIST021	LB093F2104	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	25.0	ug/kg	Y	2.32
BIST021	LB093F2105	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST021	LB093F2107	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	20.0	ug/kg	Y	1.86
BIST021	LB093F2102	Gizzard shad	Whole Body	Aldrin	4A	208	43	165	10.8	ug/kg	50.0	ug/kg	Y	4.64
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	5.00	ug/kg	N	0.464
BIST024	LB131F2408	Gulf killifish	Whole Body	Aldrin	1	32	12	20	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST024	LB131F2402	Gulf killifish	Whole Body	Aldrin	1	32	12	20	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST024	LB131F2406	Gulf killifish	Whole Body	Aldrin	1	32	12	20	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aldrin	1	33	13	20	29.2	ug/kg	5.00	ug/kg	N	0.171
BIST025	LB131F2502	Gulf killifish	Whole Body	Aldrin	1	33	13	20	29.2	ug/kg	5.00	ug/kg	N	0.171
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aldrin	2A	86	29	57	21.2	ug/kg	5.00	ug/kg	N	0.236
BIST025	LB131F2501	Gulf killifish	Whole Body	Aldrin	1	33	13	20	29.2	ug/kg	5.00	ug/kg	N	0.171
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aldrin	2A	86	29	57	21.2	ug/kg	5.00	ug/kg	N	0.236
BIST025	LB132F2503	Spot	Whole Body	Aldrin	2B	2	1	1	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST026	LB131F2604	Gulf killifish	Whole Body	Aldrin	1	34	11	23	28.3	ug/kg	5.00	ug/kg	N	0.177
BIST026	LB131F2601	Gulf killifish	Whole Body	Aldrin	1	34	11	23	28.3	ug/kg	5.00	ug/kg	N	0.177
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aldrin	1	27	9	18	21.5	ug/kg	5.00	ug/kg	N	0.233
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Aldrin	1	27	9	18	21.5	ug/kg	5.00	ug/kg	N	0.233
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aldrin	1	27	9	18	21.5	ug/kg	5.00	ug/kg	N	0.233
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aldrin	1	22	5	17	10.7	ug/kg	5.00	ug/kg	N	0.468
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aldrin	1	22	5	17	10.7	ug/kg	5.00	ug/kg	N	0.468
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aldrin	1	22	5	17	10.7	ug/kg	5.00	ug/kg	N	0.468
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aldrin	1	25	8	17	22.5	ug/kg	5.00	ug/kg	N	0.222
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aldrin	1	25	8	17	22.5	ug/kg	5.00	ug/kg	N	0.222
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aldrin	1	25	8	17	22.5	ug/kg	5.00	ug/kg	N	0.222
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aldrin	I 2B	43	14	29	23.3	ug/kg	10.00	ug/kg	Y	0.428
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aldrin	I 2B	43	14	29	23.3	ug/kg	5.00	ug/kg	N	0.214
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aldrin	I 2B	49	15	34	21.6	ug/kg	5.00	ug/kg	N	0.231

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aldrin	I 2B	49	15	34	21.6	ug/kg	10.00	ug/kg	Y	0.463
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aldrin	I 2B	49	15	34	21.6	ug/kg	5.00	ug/kg	N	0.231
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aldrin	I 2B	67	21	46	20.2	ug/kg	5.00	ug/kg	N	0.247
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aldrin	I 2B	87	31	56	19.9	ug/kg	10.00	ug/kg	Y	0.502
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aldrin	2A	73	23	50	9.88	ug/kg	3.60	ug/kg	Y	0.364
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aldrin	I 2B	71	24	47	13.5	ug/kg	3.00	ug/kg	N	0.223
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aldrin	3B	87	30	57	20.7	ug/kg	3.00	ug/kg	N	0.145
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aldrin	4B	208	43	165	10.8	ug/kg	3.00	ug/kg	N	0.279
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aldrin	3B	87	30	57	20.7	ug/kg	2.30	ug/kg	Y	0.111
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aldrin	3B	87	30	57	20.7	ug/kg	3.00	ug/kg	N	0.145
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aldrin	3B	87	29	58	21.0	ug/kg	3.00	ug/kg	N	0.143
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aldrin	I 1A	1	0	1	0.950	ug/kg	3.00	ug/kg	N	3.16
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aldrin	I 1B	2	2	0	13.4	ug/kg	3.00	ug/kg	N	0.225
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aldrin	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aldrin	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aldrin	I 1A	1	1	0	15.0	ug/kg	1.25	ug/kg	N	0.0833
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aldrin	I 1A	1	1	0	15.0	ug/kg	1.25	ug/kg	N	0.0833
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aldrin	I 1A	1	1	0	1.60	ug/kg	1.25	ug/kg	N	0.781
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aldrin	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aldrin	I 1B	1	1	0	6.90	ug/kg	1.25	ug/kg	N	0.181
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aldrin	I 1B	3	2	1	13.6	ug/kg	1.25	ug/kg	N	0.0917
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aldrin	I 1B	3	1	2	130	ug/kg	1.25	ug/kg	N	0.00963
BIST004	UB041F0402	Gulf killifish	Whole Body	alpha-Chlordane	1	13	2	11	1.96	ug/kg	5.00	ug/kg	N	2.56
BIST004	UB041F0404	Gulf killifish	Whole Body	alpha-Chlordane	1	13	2	11	1.96	ug/kg	5.00	ug/kg	N	2.56
BIST004	UB041F0401	Gulf killifish	Whole Body	alpha-Chlordane	1	13	2	11	1.96	ug/kg	5.00	ug/kg	N	2.56
BIST005	UB052F0501	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST005	UB054F0501	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB054F0505	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST005	UB054F0503	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB054F0502	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB054F0504	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB054F0516	Skipjack herring	Whole Body	alpha-Chlordane	3A	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST005	UB054F0508	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST005	UB051F0503	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0520	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB054F0511	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST005	UB051F0504	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0518	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB054F0514	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB051F0523	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0510	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0517	Sheepshead minnow	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0505	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0516	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0515	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0508	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0512	Sailfin molly	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0509	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0511	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB054F0515	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0501	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB054F0506	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST005	UB051F0525	Sailfin molly	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB051F0502	Gulf killifish	Whole Body	alpha-Chlordane	1	13	3	10	1.86	ug/kg	5.00	ug/kg	N	2.69
BIST005	UB054F0507	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.45	ug/kg	5.00	ug/kg	N	2.04
BIST006	MB012F0611	Spot	Whole Body	alpha-Chlordane	2B	3	0	3	4.30	ug/kg	14.0	ug/kg	Y	3.26
BIST006	MB012F0604	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB014F0612	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB014F0605	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST006	MB014F0615	Sand seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0602	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0606	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB014F0608	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB014F0602	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST006	MB011F0607	Gulf killifish	Whole Body	alpha-Chlordane	1	14	1	13	2.85	ug/kg	5.00	ug/kg	N	1.76
BIST006	MB012F0601	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB011F0605	Gulf killifish	Whole Body	alpha-Chlordane	1	14	1	13	2.85	ug/kg	5.00	ug/kg	N	1.76
BIST006	MB014F0604	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0613	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0603	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0607	Spot	Whole Body	alpha-Chlordane	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0610	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB014F0603	Spotted seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB014F0601	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST006	MB014F0630	Sand seatrout	Whole Body	alpha-Chlordane	3B	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0609	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB012F0619	Spot	Whole Body	alpha-Chlordane	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0605	Gulf menhaden	Whole Body	alpha-Chlordane	2A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB011F0615	Gulf killifish	Whole Body	alpha-Chlordane	1	14	1	13	2.85	ug/kg	5.00	ug/kg	N	1.76
BIST006	MB011F0616	Gulf killifish	Whole Body	alpha-Chlordane	1	14	1	13	2.85	ug/kg	5.00	ug/kg	N	1.76
BIST006	MB014F0628	White mullet	Whole Body	alpha-Chlordane	3A	31	3	28	2.40	ug/kg	5.00	ug/kg	N	2.08
BIST006	MB011F0624	Gulf killifish	Whole Body	alpha-Chlordane	1	14	1	13	2.85	ug/kg	5.00	ug/kg	N	1.76
BIST007	MB011F0702	Gulf killifish	Whole Body	alpha-Chlordane	1	12	1	11	2.68	ug/kg	5.00	ug/kg	N	1.87
BIST007	MB011F0704	Gulf killifish	Whole Body	alpha-Chlordane	1	12	1	11	2.68	ug/kg	5.00	ug/kg	N	1.87
BIST007	MB011F0703	Gulf killifish	Whole Body	alpha-Chlordane	1	12	1	11	2.68	ug/kg	5.00	ug/kg	N	1.87
BIST007	MB011F0706	Gulf killifish	Whole Body	alpha-Chlordane	1	12	1	11	2.68	ug/kg	5.00	ug/kg	N	1.87
BIST007	MB011F0708	Gulf killifish	Whole Body	alpha-Chlordane	1	12	1	11	2.68	ug/kg	5.00	ug/kg	N	1.87
BIST008	MB031F0806	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0813	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0811	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0802	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	50.0	ug/kg	N	12.2
BIST008	MB031V0810	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0816	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0812	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0803	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	50.0	ug/kg	N	12.2
BIST008	MB031F0803	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0804	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0819	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0807	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0808	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0818	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	50.0	ug/kg	N	12.2
BIST008	MB031F0805	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0817	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0801	Shrimp	Shellfish	alpha-Chlordane	I 2A	46	3	43	4.10	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031F0811	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST010	MB031F1013	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1006	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1001	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1009	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1004	Gulf killifish	Whole Body	alpha-Chlordane	1	20	2	18	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST011	LB011F1105	Gulf killifish	Whole Body	alpha-Chlordane	1	26	5	21	26.4	ug/kg	5.00	ug/kg	N	0.189
BIST011	LB011F1101	Gulf killifish	Whole Body	alpha-Chlordane	1	26	5	21	26.4	ug/kg	5.00	ug/kg	N	0.189
BIST011	LB011F1103	Gulf killifish	Whole Body	alpha-Chlordane	1	26	5	21	26.4	ug/kg	5.00	ug/kg	N	0.189
BIST012	LB011F1201	Gulf killifish	Whole Body	alpha-Chlordane	1	29	6	23	24.4	ug/kg	5.00	ug/kg	N	0.205
BIST012	LB011F1202	Gulf killifish	Whole Body	alpha-Chlordane	1	29	6	23	24.4	ug/kg	5.00	ug/kg	N	0.205
BIST012	LB011F1204	Gulf killifish	Whole Body	alpha-Chlordane	1	29	6	23	24.4	ug/kg	5.00	ug/kg	N	0.205
BIST013	LB011F1301	Gulf killifish	Whole Body	alpha-Chlordane	1	29	6	23	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST013	LB011F1302	Gulf killifish	Whole Body	alpha-Chlordane	1	29	6	23	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST013	LB011F1305	Gulf killifish	Whole Body	alpha-Chlordane	1	29	6	23	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST015	LB031F1506	Gulf killifish	Whole Body	alpha-Chlordane	1	24	3	21	11.6	ug/kg	5.00	ug/kg	N	0.431
BIST015	LB032F1501	Gulf menhaden	Whole Body	alpha-Chlordane	2A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB031F1504	Gulf killifish	Whole Body	alpha-Chlordane	1	24	3	21	11.6	ug/kg	5.00	ug/kg	N	0.431
BIST015	LB032F1505	Gulf menhaden	Whole Body	alpha-Chlordane	2A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB031F1502	Gulf killifish	Whole Body	alpha-Chlordane	1	24	3	21	11.6	ug/kg	5.00	ug/kg	N	0.431
BIST015	LB032F1503	Threadfin shad	Whole Body	alpha-Chlordane	2A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB032F1504	Spot	Whole Body	alpha-Chlordane	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB032F1502	Gulf menhaden	Whole Body	alpha-Chlordane	2A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB032F1506	Spot	Whole Body	alpha-Chlordane	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB033F1506	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1508	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	18.0	ug/kg	Y	1.20
BIST015	LB033F1504	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1518	Gulf menhaden	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1511	Striped mullet	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	36.0	ug/kg	Y	4.39
BIST015	LB034F1505	Spotted seatrout	Whole Body	alpha-Chlordane	3B	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1505	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	12.0	ug/kg	Y	0.797
BIST015	LB033F1517	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	10.5	ug/kg	N	0.698
BIST015	LB033F1503	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	10.5	ug/kg	N	0.698
BIST015	LB033F1502	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1507	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	10.5	ug/kg	N	0.698
BIST015	LB033F1509	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1515	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB034F1502	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB033F1512	Striped mullet	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	26.0	ug/kg	Y	3.17
BIST015	LB033F1513	Striped mullet	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB034F1506	Atlantic croaker	Whole Body	alpha-Chlordane	3B	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1510	Striped mullet	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	46.0	ug/kg	Y	5.61
BIST015	LB033F1514	Striped mullet	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB032F1507	Gulf menhaden	Whole Body	alpha-Chlordane	2A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1501	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB034F1501	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB034F1504	Spotted seatrout	Whole Body	alpha-Chlordane	3B	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST015	LB033F1516	Striped mullet	Whole Body	alpha-Chlordane	3A	88	19	69	15.1	ug/kg	5.00	ug/kg	N	0.332
BIST016	LB031F1602	Gulf killifish	Whole Body	alpha-Chlordane	1	35	10	25	12.8	ug/kg	5.00	ug/kg	N	0.389
BIST016	LB031F1601	Gulf killifish	Whole Body	alpha-Chlordane	1	35	10	25	12.8	ug/kg	5.00	ug/kg	N	0.389
BIST016	LB031F1610	Gulf killifish	Whole Body	alpha-Chlordane	1	35	10	25	12.8	ug/kg	5.00	ug/kg	N	0.389
BIST017	LB031F1704	Gulf killifish	Whole Body	alpha-Chlordane	1	11	2	9	17.1	ug/kg	5.00	ug/kg	N	0.293
BIST017	LB031F1703	Gulf killifish	Whole Body	alpha-Chlordane	1	11	2	9	17.1	ug/kg	5.00	ug/kg	N	0.293
BIST017	LB031F1702	Gulf killifish	Whole Body	alpha-Chlordane	1	11	2	9	17.1	ug/kg	5.00	ug/kg	N	0.293
BIST017	LB031A1752	Mussels	Shellfish	alpha-Chlordane	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	alpha-Chlordane	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	alpha-Chlordane	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1902	Gulf killifish	Whole Body	alpha-Chlordane	1	26	9	17	10.1	ug/kg	5.00	ug/kg	N	0.496
BIST019	LB061F1903	Gulf killifish	Whole Body	alpha-Chlordane	1	26	9	17	10.1	ug/kg	5.00	ug/kg	N	0.496
BIST019	LB061F1901	Gulf killifish	Whole Body	alpha-Chlordane	1	26	9	17	10.1	ug/kg	5.00	ug/kg	N	0.496
BIST021	LB094F2120	Spotted seatrout	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2105	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	21.0	ug/kg	Y	2.56
BIST021	LB094F2121	Spotted seatrout	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2104	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2115	Black Drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2124	Spotted seatrout	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2122	Spotted seatrout	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2103	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2134	Pinfish	Whole Body	alpha-Chlordane	3B	42	9	33	7.90	ug/kg	5.00	ug/kg	N	0.633
BIST021	LB093F2106	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	14.0	ug/kg	Y	1.71
BIST021	LB094F2104	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2118	Red drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2107	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	42.0	ug/kg	Y	5.13
BIST021	LB094F2141	Pinfish	Whole Body	alpha-Chlordane	3B	42	9	33	7.90	ug/kg	5.00	ug/kg	N	0.633
BIST021	LB094F2101	Spotted seatrout	Whole Body	alpha-Chlordane	3B	42	9	33	7.90	ug/kg	5.00	ug/kg	N	0.633
BIST021	LB094F2151	Spotted seatrout	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2108	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	41.0	ug/kg	Y	5.00
BIST021	LB094F2107	Atlantic croaker	Whole Body	alpha-Chlordane	3B	42	9	33	7.90	ug/kg	5.00	ug/kg	N	0.633
BIST021	LB093F2102	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2103	Gizzard shad	Whole Body	alpha-Chlordane	4A	208	29	179	8.19	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2101	Striped mullet	Whole Body	alpha-Chlordane	3A	42	9	33	7.90	ug/kg	5.00	ug/kg	N	0.633
BIST024	LB131F2408	Gulf killifish	Whole Body	alpha-Chlordane	1	32	8	24	9.51	ug/kg	5.00	ug/kg	N	0.526
BIST024	LB131F2402	Gulf killifish	Whole Body	alpha-Chlordane	1	32	8	24	9.51	ug/kg	5.00	ug/kg	N	0.526
BIST024	LB131F2406	Gulf killifish	Whole Body	alpha-Chlordane	1	32	8	24	9.51	ug/kg	5.00	ug/kg	N	0.526
BIST025	LB132F2502	Gulf menhaden	Whole Body	alpha-Chlordane	2A	85	19	66	15.1	ug/kg	5.00	ug/kg	N	0.330
BIST025	LB132F2501	Gulf menhaden	Whole Body	alpha-Chlordane	2A	85	19	66	15.1	ug/kg	5.00	ug/kg	N	0.330
BIST025	LB131F2502	Gulf killifish	Whole Body	alpha-Chlordane	1	33	9	24	10.2	ug/kg	5.00	ug/kg	N	0.491
BIST025	LB131F2501	Gulf killifish	Whole Body	alpha-Chlordane	1	33	9	24	10.2	ug/kg	5.00	ug/kg	N	0.491
BIST025	LB131F2503	Sheepshead minnow	Whole Body	alpha-Chlordane	1	33	9	24	10.2	ug/kg	5.00	ug/kg	N	0.491
BIST025	LB132F2503	Spot	Whole Body	alpha-Chlordane	2B	2	2	0	23.2	ug/kg	5.00	ug/kg	N	0.215
BIST026	LB131F2601	Gulf killifish	Whole Body	alpha-Chlordane	1	34	8	26	24.9	ug/kg	5.00	ug/kg	N	0.201
BIST026	LB131F2604	Gulf killifish	Whole Body	alpha-Chlordane	1	34	8	26	24.9	ug/kg	5.00	ug/kg	N	0.201
BIST027	PPGC1F2712	Gulf killifish	Whole Body	alpha-Chlordane	1	26	5	21	26.9	ug/kg	5.00	ug/kg	N	0.186
BIST027	PPGC1F2706	Gulf killifish	Whole Body	alpha-Chlordane	1	26	5	21	26.9	ug/kg	5.00	ug/kg	N	0.186
BIST027	PPGC1F2705	Gulf killifish	Whole Body	alpha-Chlordane	1	26	5	21	26.9	ug/kg	5.00	ug/kg	N	0.186
BIST028	PPGC1F2806	Gulf killifish	Whole Body	alpha-Chlordane	1	22	3	19	28.1	ug/kg	5.00	ug/kg	N	0.178

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST028	PPGC1F2803	Gulf killifish	Whole Body	alpha-Chlordane	1	22	3	19	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST028	PPGC1F2802	Gulf killifish	Whole Body	alpha-Chlordane	1	22	3	19	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST029	PPGC1F2903	Gulf killifish	Whole Body	alpha-Chlordane	1	25	5	20	27.8	ug/kg	5.00	ug/kg	N	0.180
BIST029	PPGC1F2905	Gulf killifish	Whole Body	alpha-Chlordane	1	25	5	20	27.8	ug/kg	5.00	ug/kg	N	0.180
BIST029	PPGC1F2904	Gulf killifish	Whole Body	alpha-Chlordane	1	25	5	20	27.8	ug/kg	5.00	ug/kg	N	0.180
BISTC01	BAYD4C0101	Blue crab	Shellfish	alpha-Chlordane	I 2B	43	10	33	9.65	ug/kg	5.00	ug/kg	N	0.518
BISTC01	BAYD4C0103	Blue crab	Shellfish	alpha-Chlordane	I 2B	43	10	33	9.65	ug/kg	5.00	ug/kg	N	0.518
BISTC02	BAYD4C0203	Blue crab	Shellfish	alpha-Chlordane	I 2B	49	12	37	8.91	ug/kg	5.00	ug/kg	N	0.561
BISTC02	BAYD4C0205	Blue crab	Shellfish	alpha-Chlordane	I 2B	49	12	37	8.91	ug/kg	5.00	ug/kg	N	0.561
BISTC02	BAYD4C0201	Blue crab	Shellfish	alpha-Chlordane	I 2B	49	12	37	8.91	ug/kg	5.00	ug/kg	N	0.561
BISTC03	BAYD4C0302	Blue crab	Shellfish	alpha-Chlordane	I 2B	67	14	53	9.64	ug/kg	5.00	ug/kg	N	0.519
BISTC05	BAYD4C0502	Blue crab	Shellfish	alpha-Chlordane	I 2B	86	17	69	14.5	ug/kg	5.00	ug/kg	N	0.345
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	alpha-Chlordane	2A	73	10	63	11.6	ug/kg	2.30	ug/kg	Y	0.198
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	alpha-Chlordane	I 2B	71	14	57	13.5	ug/kg	1.90	ug/kg	Y	0.141
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	alpha-Chlordane	4B	208	29	179	8.19	ug/kg	3.80	ug/kg	Y	0.464
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	alpha-Chlordane	3B	86	20	66	14.7	ug/kg	3.00	ug/kg	N	0.205
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	alpha-Chlordane	3B	86	20	66	14.7	ug/kg	4.70	ug/kg	Y	0.321
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	alpha-Chlordane	3B	86	20	66	14.7	ug/kg	3.40	ug/kg	Y	0.232
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	alpha-Chlordane	3B	86	19	67	15.0	ug/kg	3.00	ug/kg	N	0.200
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	alpha-Chlordane	I 1A	1	1	0	0.170	ug/kg	3.00	ug/kg	N	17.6
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	alpha-Chlordane	I 1B	2	0	2	7.18	ug/kg	3.00	ug/kg	N	0.418
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	alpha-Chlordane	I 1A	1	0	1	1.10	ug/kg	1.30	ug/kg	Y	1.18
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	alpha-Chlordane	I 1A	1	0	1	1.10	ug/kg	1.60	ug/kg	Y	1.45
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	alpha-Chlordane	I 1A	1	1	0	4.90	ug/kg	1.25	ug/kg	N	0.255
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	alpha-Chlordane	I 1A	1	1	0	4.90	ug/kg	1.25	ug/kg	N	0.255
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	alpha-Chlordane	I 1A	1	0	1	2.25	ug/kg	1.25	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	alpha-Chlordane	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	alpha-Chlordane	I 1B	1	1	0	1.60	ug/kg	1.25	ug/kg	N	0.781
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	alpha-Chlordane	I 1B	3	2	1	3.33	ug/kg	1.25	ug/kg	N	0.375
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	alpha-Chlordane	I 1B	3	2	1	7.76	ug/kg	1.25	ug/kg	N	0.161
BIST004	UB041F0404	Gulf killifish	Whole Body	Anthracene	1	15	1	14	778	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0402	Gulf killifish	Whole Body	Anthracene	1	15	1	14	778	ug/kg	20.0	ug/kg	N	0.0257
BIST004	UB041F0401	Gulf killifish	Whole Body	Anthracene	1	15	1	14	778	ug/kg	100.0	ug/kg	N	0.128
BIST005	UB051F0509	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB054F0504	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0505	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB051F0501	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB051F0508	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB051F0504	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB051F0502	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB051F0503	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB054F0503	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0518	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB054F0511	Spotted seatrout	Whole Body	Anthracene	3B	34	4	30	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0510	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB054F0515	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB054F0516	Skipjack herring	Whole Body	Anthracene	3A	34	4	30	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0520	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB051F0516	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB051F0515	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	100.0	ug/kg	N	0.123

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0514	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	20.0	ug/kg	N	0.0192
BIST005	UB054F0508	Spotted seatrout	Whole Body	Anthracene	3B	34	4	30	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB054F0501	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	20.0	ug/kg	N	0.0192
BIST005	UB052F0501	Gulf menhaden	Whole Body	Anthracene	2A	34	4	30	637	ug/kg	100.0	ug/kg	N	0.157
BIST005	UB051F0512	Sailfin molly	Whole Body	Anthracene	1	13	2	11	813	ug/kg	80.0	ug/kg	N	0.0984
BIST005	UB051F0523	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	40.0	ug/kg	N	0.0492
BIST005	UB051F0525	Sailfin molly	Whole Body	Anthracene	1	13	2	11	813	ug/kg	60.0	ug/kg	N	0.0738
BIST005	UB051F0511	Gulf killifish	Whole Body	Anthracene	1	13	2	11	813	ug/kg	20.0	ug/kg	N	0.0246
BIST005	UB054F0502	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB054F0505	Spotted seatrout	Whole Body	Anthracene	3B	34	4	30	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB054F0507	Spotted seatrout	Whole Body	Anthracene	3B	34	4	30	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB054F0506	Spotted seatrout	Whole Body	Anthracene	3B	34	4	30	637	ug/kg	25.0	ug/kg	N	0.0393
BIST006	MB014F0615	Sand seatrout	Whole Body	Anthracene	3B	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB012F0605	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	80.0	ug/kg	N	0.115
BIST006	MB014F0603	Spotted seatrout	Whole Body	Anthracene	3B	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB014F0602	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0603	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	40.0	ug/kg	N	0.0576
BIST006	MB014F0601	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0619	Spot	Whole Body	Anthracene	2B	3	1	2	310	ug/kg	60.0	ug/kg	N	0.193
BIST006	MB012F0607	Spot	Whole Body	Anthracene	2B	3	1	2	310	ug/kg	80.0	ug/kg	N	0.258
BIST006	MB012F0609	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	160	ug/kg	N	0.230
BIST006	MB014F0630	Sand seatrout	Whole Body	Anthracene	3B	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB014F0608	Spotted seatrout	Whole Body	Anthracene	3B	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB012F0610	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	60.0	ug/kg	N	0.0863
BIST006	MB011F0616	Gulf killifish	Whole Body	Anthracene	1	15	3	12	347	ug/kg	100.0	ug/kg	N	0.288
BIST006	MB011F0624	Gulf killifish	Whole Body	Anthracene	1	15	3	12	347	ug/kg	100.0	ug/kg	N	0.288
BIST006	MB011F0615	Gulf killifish	Whole Body	Anthracene	1	15	3	12	347	ug/kg	200	ug/kg	N	0.577
BIST006	MB014F0605	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0606	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	60.0	ug/kg	N	0.0863
BIST006	MB012F0611	Spot	Whole Body	Anthracene	2B	3	1	2	310	ug/kg	60.0	ug/kg	N	0.193
BIST006	MB011F0605	Gulf killifish	Whole Body	Anthracene	1	15	3	12	347	ug/kg	100.0	ug/kg	N	0.288
BIST006	MB012F0601	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	80.0	ug/kg	N	0.115
BIST006	MB014F0628	White mullet	Whole Body	Anthracene	3A	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB014F0612	Spotted seatrout	Whole Body	Anthracene	3B	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB014F0604	Spotted seatrout	Whole Body	Anthracene	3B	32	3	29	695	ug/kg	25.0	ug/kg	N	0.0360
BIST006	MB012F0613	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	20.0	ug/kg	N	0.0288
BIST006	MB011F0607	Gulf killifish	Whole Body	Anthracene	1	15	3	12	347	ug/kg	200	ug/kg	N	0.577
BIST006	MB012F0602	Gulf menhaden	Whole Body	Anthracene	2A	32	3	29	695	ug/kg	60.0	ug/kg	N	0.0863
BIST007	MB011F0704	Gulf killifish	Whole Body	Anthracene	1	12	3	9	426	ug/kg	100.0	ug/kg	N	0.235
BIST007	MB011F0708	Gulf killifish	Whole Body	Anthracene	1	12	3	9	426	ug/kg	100.0	ug/kg	N	0.235
BIST007	MB011F0706	Gulf killifish	Whole Body	Anthracene	1	12	3	9	426	ug/kg	100.0	ug/kg	N	0.235
BIST007	MB011F0702	Gulf killifish	Whole Body	Anthracene	1	12	3	9	426	ug/kg	100.0	ug/kg	N	0.235
BIST007	MB011F0703	Gulf killifish	Whole Body	Anthracene	1	12	3	9	426	ug/kg	100.0	ug/kg	N	0.235
BIST008	MB031V0802	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	40.0	ug/kg	N	0.0693
BIST008	MB031V0801	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	200	ug/kg	N	0.347
BIST008	MB031V0816	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST008	MB031F0803	Gulf killifish	Whole Body	Anthracene	1	19	2	17	517	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031F0804	Gulf killifish	Whole Body	Anthracene	1	19	2	17	517	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0819	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0817	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST008	MB031V0812	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST008	MB031F0805	Gulf killifish	Whole Body	Anthracene	1	19	2	17	517	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0803	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	200	ug/kg	N	0.347
BIST008	MB031V0813	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	200	ug/kg	N	0.347
BIST008	MB031F0806	Gulf killifish	Whole Body	Anthracene	1	19	2	17	517	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0811	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST008	MB031V0810	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST008	MB031V0808	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST008	MB031F0811	Gulf killifish	Whole Body	Anthracene	1	19	2	17	517	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0807	Shrimp	Shellfish	Anthracene	I 2A	46	2	44	577	ug/kg	20.0	ug/kg	N	0.0347
BIST010	MB031F1009	Gulf killifish	Whole Body	Anthracene	1	19	2	17	511	ug/kg	100.0	ug/kg	N	0.196
BIST010	MB031F1001	Gulf killifish	Whole Body	Anthracene	1	19	2	17	511	ug/kg	100.0	ug/kg	N	0.196
BIST010	MB031F1006	Gulf killifish	Whole Body	Anthracene	1	19	2	17	511	ug/kg	100.0	ug/kg	N	0.196
BIST010	MB031F1004	Gulf killifish	Whole Body	Anthracene	1	19	2	17	511	ug/kg	100.0	ug/kg	N	0.196
BIST010	MB031F1013	Gulf killifish	Whole Body	Anthracene	1	19	2	17	511	ug/kg	100.0	ug/kg	N	0.196
BIST011	LB011F1103	Gulf killifish	Whole Body	Anthracene	1	27	4	23	535	ug/kg	200	ug/kg	N	0.374
BIST011	LB011F1105	Gulf killifish	Whole Body	Anthracene	1	27	4	23	535	ug/kg	200	ug/kg	N	0.374
BIST011	LB011F1101	Gulf killifish	Whole Body	Anthracene	1	27	4	23	535	ug/kg	200	ug/kg	N	0.374
BIST012	LB011F1204	Gulf killifish	Whole Body	Anthracene	1	30	4	26	580	ug/kg	20.0	ug/kg	N	0.0345
BIST012	LB011F1202	Gulf killifish	Whole Body	Anthracene	1	30	4	26	580	ug/kg	100.0	ug/kg	N	0.172
BIST012	LB011F1201	Gulf killifish	Whole Body	Anthracene	1	30	4	26	580	ug/kg	200	ug/kg	N	0.345
BIST013	LB011F1301	Gulf killifish	Whole Body	Anthracene	1	31	5	26	500	ug/kg	100.0	ug/kg	N	0.200
BIST013	LB011F1305	Gulf killifish	Whole Body	Anthracene	1	31	5	26	500	ug/kg	100.0	ug/kg	N	0.200
BIST013	LB011F1302	Gulf killifish	Whole Body	Anthracene	1	31	5	26	500	ug/kg	40.0	ug/kg	N	0.0801
BIST015	LB031F1506	Gulf killifish	Whole Body	Anthracene	1	39	5	34	3670	ug/kg	100.0	ug/kg	N	0.0272
BIST015	LB032F1506	Spot	Whole Body	Anthracene	2B	4	1	3	3210	ug/kg	40.0	ug/kg	N	0.0125
BIST015	LB032F1502	Gulf menhaden	Whole Body	Anthracene	2A	124	12	112	1520	ug/kg	80.0	ug/kg	N	0.0527
BIST015	LB032F1503	Threadfin shad	Whole Body	Anthracene	2A	124	12	112	1520	ug/kg	80.0	ug/kg	N	0.0527
BIST015	LB031F1502	Gulf killifish	Whole Body	Anthracene	1	39	5	34	3670	ug/kg	100.0	ug/kg	N	0.0272
BIST015	LB031F1504	Gulf killifish	Whole Body	Anthracene	1	39	5	34	3670	ug/kg	200	ug/kg	N	0.0545
BIST015	LB032F1501	Gulf menhaden	Whole Body	Anthracene	2A	124	12	112	1520	ug/kg	80.0	ug/kg	N	0.0527
BIST015	LB032F1505	Gulf menhaden	Whole Body	Anthracene	2A	124	12	112	1520	ug/kg	60.0	ug/kg	N	0.0395
BIST015	LB033F1502	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1506	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1509	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1517	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1502	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1503	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1513	Striped mullet	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1507	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1506	Atlantic croaker	Whole Body	Anthracene	3B	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1508	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1505	Spotted seatrout	Whole Body	Anthracene	3B	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB032F1507	Gulf menhaden	Whole Body	Anthracene	2A	124	12	112	1520	ug/kg	40.0	ug/kg	N	0.0263
BIST015	LB033F1510	Striped mullet	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1501	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1515	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1511	Striped mullet	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1512	Striped mullet	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB034F1504	Spotted seatrout	Whole Body	Anthracene	3B	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1514	Striped mullet	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1504	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1518	Gulf menhaden	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1501	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1505	Striped mullet	Whole Body	Anthracene	3A	124	12	112	1520	ug/kg	25.0	ug/kg	N	0.0165
BIST016	LB031F1602	Gulf killifish	Whole Body	Anthracene	1	52	8	44	2880	ug/kg	20.0	ug/kg	N	0.00694
BIST016	LB031F1610	Gulf killifish	Whole Body	Anthracene	1	52	8	44	2880	ug/kg	20.0	ug/kg	N	0.00694
BIST016	LB031F1601	Gulf killifish	Whole Body	Anthracene	1	52	8	44	2880	ug/kg	200	ug/kg	N	0.0694
BIST017	LB031F1703	Gulf killifish	Whole Body	Anthracene	1	19	3	16	6710	ug/kg	60.0	ug/kg	N	0.00894
BIST017	LB031F1704	Gulf killifish	Whole Body	Anthracene	1	19	3	16	6710	ug/kg	40.0	ug/kg	N	0.00596
BIST017	LB031A1752	Mussels	Shellfish	Anthracene	I 1A	1	1	0	1320	ug/kg	100.0	ug/kg	N	0.0758
BIST017	LB031A1753	Mussels	Shellfish	Anthracene	I 1A	1	1	0	1320	ug/kg	100.0	ug/kg	N	0.0758
BIST017	LB031F1702	Gulf killifish	Whole Body	Anthracene	1	19	3	16	6710	ug/kg	500	ug/kg	N	0.0745
BIST017	LB031A1754	Mussels	Shellfish	Anthracene	I 1A	1	1	0	1320	ug/kg	100.0	ug/kg	N	0.0758
BIST019	LB061F1902	Gulf killifish	Whole Body	Anthracene	1	39	5	34	637	ug/kg	200	ug/kg	N	0.314
BIST019	LB061F1901	Gulf killifish	Whole Body	Anthracene	1	39	5	34	637	ug/kg	20.0	ug/kg	N	0.0314
BIST019	LB061F1903	Gulf killifish	Whole Body	Anthracene	1	39	5	34	637	ug/kg	20.0	ug/kg	N	0.0314
BIST021	LB094F2122	Spotted seatrout	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2106	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2104	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2107	Atlantic croaker	Whole Body	Anthracene	3B	66	4	62	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB094F2104	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2120	Spotted seatrout	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2124	Spotted seatrout	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2105	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2101	Striped mullet	Whole Body	Anthracene	3A	66	4	62	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB093F2102	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2115	Black Drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2118	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2134	Pinfish	Whole Body	Anthracene	3B	66	4	62	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB094F2141	Pinfish	Whole Body	Anthracene	3B	66	4	62	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB093F2103	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2151	Spotted seatrout	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2121	Spotted seatrout	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2108	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2107	Gizzard shad	Whole Body	Anthracene	4A	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2103	Red drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST024	LB131F2402	Gulf killifish	Whole Body	Anthracene	1	47	3	44	537	ug/kg	100.0	ug/kg	N	0.186
BIST024	LB131F2406	Gulf killifish	Whole Body	Anthracene	1	47	3	44	537	ug/kg	200	ug/kg	N	0.372
BIST024	LB131F2408	Gulf killifish	Whole Body	Anthracene	1	47	3	44	537	ug/kg	200	ug/kg	N	0.372
BIST025	LB132F2502	Gulf menhaden	Whole Body	Anthracene	2A	116	12	104	1590	ug/kg	20.0	ug/kg	N	0.0126
BIST025	LB132F2501	Gulf menhaden	Whole Body	Anthracene	2A	116	12	104	1590	ug/kg	80.0	ug/kg	N	0.0503
BIST025	LB131F2502	Gulf killifish	Whole Body	Anthracene	1	46	3	43	823	ug/kg	200	ug/kg	N	0.243
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Anthracene	1	46	3	43	823	ug/kg	400	ug/kg	N	0.486
BIST025	LB132F2503	Spot	Whole Body	Anthracene	2B	2	1	1	195	ug/kg	60.0	ug/kg	N	0.307
BIST026	LB131F2604	Gulf killifish	Whole Body	Anthracene	1	42	7	35	822	ug/kg	100.0	ug/kg	N	0.122
BIST026	LB131F2601	Gulf killifish	Whole Body	Anthracene	1	42	7	35	822	ug/kg	40.0	ug/kg	N	0.0487
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Anthracene	1	26	4	22	524	ug/kg	200	ug/kg	N	0.382
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Anthracene	1	26	4	22	524	ug/kg	200	ug/kg	N	0.382

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Anthracene	1	26	4	22	524	ug/kg	40.0	ug/kg	N	0.0764
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Anthracene	1	25	4	21	4570	ug/kg	40.0	ug/kg	N	0.00875
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Anthracene	1	25	4	21	4570	ug/kg	200	ug/kg	N	0.0437
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Anthracene	1	25	4	21	4570	ug/kg	100.0	ug/kg	N	0.0219
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Anthracene	1	25	4	21	737	ug/kg	200	ug/kg	N	0.271
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Anthracene	1	25	4	21	737	ug/kg	200	ug/kg	N	0.271
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Anthracene	1	25	4	21	737	ug/kg	20.0	ug/kg	N	0.0271
BISTC01	BAYD4C0101	Blue crab	Shellfish	Anthracene	I 2B	66	5	61	603	ug/kg	20.0	ug/kg	N	0.0332
BISTC01	BAYD4C0103	Blue crab	Shellfish	Anthracene	I 2B	66	5	61	603	ug/kg	20.0	ug/kg	N	0.0332
BISTC02	BAYD4C0205	Blue crab	Shellfish	Anthracene	I 2B	73	5	68	599	ug/kg	20.0	ug/kg	N	0.0334
BISTC02	BAYD4C0201	Blue crab	Shellfish	Anthracene	I 2B	73	5	68	599	ug/kg	20.0	ug/kg	N	0.0334
BISTC02	BAYD4C0203	Blue crab	Shellfish	Anthracene	I 2B	73	5	68	599	ug/kg	20.0	ug/kg	N	0.0334
BISTC03	BAYD4C0302	Blue crab	Shellfish	Anthracene	I 2B	103	8	95	1730	ug/kg	20.0	ug/kg	N	0.0116
BISTC05	BAYD4C0502	Blue crab	Shellfish	Anthracene	I 2B	108	10	98	1640	ug/kg	20.0	ug/kg	N	0.0122
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Anthracene	2A	73	4	69	541	ug/kg	1000	ug/kg	N	1.85
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Anthracene	I 2B	75	5	70	561	ug/kg	1000	ug/kg	N	1.78
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Anthracene	4B	254	18	236	1040	ug/kg	500	ug/kg	N	0.480
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Anthracene	3B	118	12	106	1560	ug/kg	1000	ug/kg	N	0.640
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Anthracene	3B	118	12	106	1560	ug/kg	500	ug/kg	N	0.320
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Anthracene	3B	118	12	106	1560	ug/kg	1000	ug/kg	N	0.640
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Anthracene	3B	118	12	106	1570	ug/kg	500	ug/kg	N	0.319
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Anthracene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Anthracene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Anthracene	I 1A	1	0	1	285	ug/kg	0.950	ug/kg	Y	0.00333
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Anthracene	I 1A	1	0	1	285	ug/kg	1.70	ug/kg	Y	0.00596
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Anthracene	I 1A	1	0	1	420	ug/kg	0.520	ug/kg	Y	0.00124
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Anthracene	I 1A	1	0	1	420	ug/kg	0.470	ug/kg	Y	0.00112
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Anthracene	I 1A	1	0	1	485	ug/kg	1.20	ug/kg	Y	0.00247
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Anthracene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Anthracene	I 1B	1	0	1	550	ug/kg	0.550	ug/kg	Y	0.00100
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Anthracene	I 1B	3	0	3	363	ug/kg	0.740	ug/kg	Y	0.00204
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Anthracene	I 1B	3	0	3	178	ug/kg	1.00	ug/kg	Y	0.00561
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1016	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1016	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1016	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1016	3A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	25.0	ug/kg	N	0.737
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1016	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1016	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1016	2A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1016	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1016	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1016	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1016	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1016	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1016	3A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1016	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1016	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1016	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1016	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1016	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1016	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1016	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1016	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1016	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1016	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1016	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1016	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1016	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1016	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1016	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1016	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1016	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1016	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1016	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1016	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1016	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1016	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1016	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1016	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1016	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1016	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1016	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1016	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1016	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1016	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1016	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	85.0	ug/kg	N	1.37
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1016	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1016	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1016	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1016	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1016	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1016	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1016	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1016	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1016	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1016	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1016	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1016	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1016	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1016	3A	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1016	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1016	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1016	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1016	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1016	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1016	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1016	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1016	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1016	2B	2	0	2	179	ug/kg	5.00	ug/kg	N	0.0280
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1016	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1016	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1016	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1016	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1016	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1016	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1016	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1016	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1016	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1016	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1016	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1016	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1016	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1016	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1016	I 2B	67	0	67	94.2	ug/kg	5.00	ug/kg	N	0.0531
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1016	I 2B	86	0	86	84.5	ug/kg	5.00	ug/kg	N	0.0592
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1016	2A	72	0	72	60.8	ug/kg	50.0	ug/kg	N	0.822
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1016	I 2B	70	0	70	64.6	ug/kg	50.0	ug/kg	N	0.774
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1016	4B	209	0	209	62.0	ug/kg	50.0	ug/kg	N	0.806
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1016	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1016	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1016	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1016	3B	86	0	86	86.6	ug/kg	50.0	ug/kg	N	0.578
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1016	I 1A	1	0	1	18.5	ug/kg	50.0	ug/kg	N	2.70
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1016	I 1B	2	0	2	138	ug/kg	50.0	ug/kg	N	0.362
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1016	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1016	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1016	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1016	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1016	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1016	I 1B	1	0	1	55.0	ug/kg	25.0	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1016	I 1B	1	0	1	50.0	ug/kg	25.0	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1016	I 1B	3	0	3	31.5	ug/kg	25.0	ug/kg	N	0.794
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1016	I 1B	3	0	3	26.0	ug/kg	25.0	ug/kg	N	0.962
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1221	1	15	0	15	65.9	ug/kg	5.00	ug/kg	N	0.0758
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1221	1	15	0	15	65.9	ug/kg	5.00	ug/kg	N	0.0758
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1221	1	15	0	15	65.9	ug/kg	5.00	ug/kg	N	0.0758
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1221	3B	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	5.00	ug/kg	N	0.0729
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	5.00	ug/kg	N	0.0729
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1221	3B	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	5.00	ug/kg	N	0.0729
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1221	3B	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	5.00	ug/kg	N	0.0729
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1221	3B	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	5.00	ug/kg	N	0.0729
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1221	3A	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1221	3B	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	5.00	ug/kg	N	0.0729
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	16.5	ug/kg	N	0.240
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	68.6	ug/kg	25.0	ug/kg	N	0.364
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1221	2A	33	0	33	74.1	ug/kg	5.00	ug/kg	N	0.0675
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1221	3B	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	73.3	ug/kg	5.00	ug/kg	N	0.0683
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1221	3B	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1221	3A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1221	2B	3	0	3	54.7	ug/kg	5.00	ug/kg	N	0.0915
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1221	3B	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1221	2B	3	0	3	54.7	ug/kg	5.00	ug/kg	N	0.0915
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1221	3B	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1221	3B	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	73.3	ug/kg	5.00	ug/kg	N	0.0683
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	73.3	ug/kg	5.00	ug/kg	N	0.0683
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	73.3	ug/kg	5.00	ug/kg	N	0.0683
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1221	1	14	0	14	73.3	ug/kg	5.00	ug/kg	N	0.0683
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1221	3B	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1221	2A	32	0	32	81.4	ug/kg	5.00	ug/kg	N	0.0614
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1221	2B	3	0	3	54.7	ug/kg	5.00	ug/kg	N	0.0915
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1221	1	12	0	12	59.8	ug/kg	5.00	ug/kg	N	0.0837
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1221	1	12	0	12	59.8	ug/kg	5.00	ug/kg	N	0.0837
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1221	1	12	0	12	59.8	ug/kg	5.00	ug/kg	N	0.0837
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1221	1	12	0	12	59.8	ug/kg	5.00	ug/kg	N	0.0837
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1221	1	12	0	12	59.8	ug/kg	5.00	ug/kg	N	0.0837
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	85.2	ug/kg	5.00	ug/kg	N	0.0587
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	85.2	ug/kg	5.00	ug/kg	N	0.0587
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	85.2	ug/kg	5.00	ug/kg	N	0.0587
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	50.0	ug/kg	N	0.510
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	50.0	ug/kg	N	0.510
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	50.0	ug/kg	N	0.510
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	85.2	ug/kg	5.00	ug/kg	N	0.0587
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1221	I 2A	45	0	45	98.0	ug/kg	5.00	ug/kg	N	0.0510
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	85.2	ug/kg	5.00	ug/kg	N	0.0587
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1221	1	20	0	20	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	120	ug/kg	5.00	ug/kg	N	0.0417
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	120	ug/kg	5.00	ug/kg	N	0.0417
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	120	ug/kg	5.00	ug/kg	N	0.0417
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1221	1	29	0	29	130	ug/kg	5.00	ug/kg	N	0.0386
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1221	1	29	0	29	130	ug/kg	5.00	ug/kg	N	0.0386
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1221	1	29	0	29	130	ug/kg	5.00	ug/kg	N	0.0386
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1221	1	29	0	29	128	ug/kg	5.00	ug/kg	N	0.0391
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1221	1	29	0	29	128	ug/kg	5.00	ug/kg	N	0.0391
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1221	1	29	0	29	128	ug/kg	5.00	ug/kg	N	0.0391
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1221	2A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1221	2B	3	0	3	148	ug/kg	5.00	ug/kg	N	0.0339
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1221	2B	3	0	3	148	ug/kg	5.00	ug/kg	N	0.0339
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1221	2A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1221	2A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1221	2A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	85.0	ug/kg	N	0.505
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1221	3B	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1221	3B	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	21.0	ug/kg	N	0.125
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	21.0	ug/kg	N	0.125
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	85.0	ug/kg	N	0.505
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	21.0	ug/kg	N	0.125
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	21.0	ug/kg	N	0.125
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	85.0	ug/kg	N	0.692
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1221	3A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1221	3B	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1221	2A	88	0	88	168	ug/kg	5.00	ug/kg	N	0.0297
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1221	1	35	0	35	268	ug/kg	5.00	ug/kg	N	0.0187
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1221	1	35	0	35	268	ug/kg	5.00	ug/kg	N	0.0187
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1221	1	35	0	35	268	ug/kg	5.00	ug/kg	N	0.0187
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1221	1	11	0	11	421	ug/kg	5.00	ug/kg	N	0.0119
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1221	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1221	1	11	0	11	421	ug/kg	5.00	ug/kg	N	0.0119
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1221	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1221	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1221	1	11	0	11	421	ug/kg	5.00	ug/kg	N	0.0119
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	180	ug/kg	5.00	ug/kg	N	0.0278
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	180	ug/kg	5.00	ug/kg	N	0.0278
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	180	ug/kg	5.00	ug/kg	N	0.0278
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1221	3A	42	0	42	137	ug/kg	5.00	ug/kg	N	0.0364
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1221	3B	42	0	42	137	ug/kg	5.00	ug/kg	N	0.0364
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1221	3B	42	0	42	137	ug/kg	5.00	ug/kg	N	0.0364
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1221	3B	42	0	42	137	ug/kg	5.00	ug/kg	N	0.0364
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1221	4A	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	5.00	ug/kg	N	0.0407
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1221	1	32	0	32	155	ug/kg	5.00	ug/kg	N	0.0322
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1221	1	32	0	32	155	ug/kg	5.00	ug/kg	N	0.0322
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1221	1	32	0	32	155	ug/kg	5.00	ug/kg	N	0.0322
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1221	2B	2	0	2	356	ug/kg	5.00	ug/kg	N	0.0140
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1221	1	33	0	33	167	ug/kg	5.00	ug/kg	N	0.0300
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1221	1	33	0	33	167	ug/kg	5.00	ug/kg	N	0.0300
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1221	2A	85	0	85	170	ug/kg	5.00	ug/kg	N	0.0294
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1221	2A	85	0	85	170	ug/kg	5.00	ug/kg	N	0.0294
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1221	1	33	0	33	167	ug/kg	5.00	ug/kg	N	0.0300
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	131	ug/kg	5.00	ug/kg	N	0.0381

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1221	1	26	0	26	131	ug/kg	5.00	ug/kg	N	0.0381
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1221	1	22	0	22	120	ug/kg	5.00	ug/kg	N	0.0417
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1221	1	22	0	22	120	ug/kg	5.00	ug/kg	N	0.0417
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1221	1	22	0	22	120	ug/kg	5.00	ug/kg	N	0.0417
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1221	1	25	0	25	132	ug/kg	5.00	ug/kg	N	0.0378
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1221	1	25	0	25	132	ug/kg	5.00	ug/kg	N	0.0378
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1221	1	25	0	25	132	ug/kg	5.00	ug/kg	N	0.0378
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1221	I 2B	43	0	43	134	ug/kg	5.00	ug/kg	N	0.0374
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1221	I 2B	43	0	43	134	ug/kg	5.00	ug/kg	N	0.0374
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1221	I 2B	49	0	49	143	ug/kg	5.00	ug/kg	N	0.0351
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1221	I 2B	49	0	49	143	ug/kg	5.00	ug/kg	N	0.0351
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1221	I 2B	49	0	49	143	ug/kg	5.00	ug/kg	N	0.0351
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1221	I 2B	67	0	67	186	ug/kg	5.00	ug/kg	N	0.0269
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1221	I 2B	86	0	86	165	ug/kg	5.00	ug/kg	N	0.0303
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1221	2A	72	0	72	120	ug/kg	50.0	ug/kg	N	0.416
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1221	I 2B	70	0	70	127	ug/kg	50.0	ug/kg	N	0.393
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1221	3B	86	0	86	171	ug/kg	50.0	ug/kg	N	0.293
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1221	3B	86	0	86	171	ug/kg	50.0	ug/kg	N	0.293
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1221	4B	209	0	209	123	ug/kg	50.0	ug/kg	N	0.407
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1221	3B	86	0	86	171	ug/kg	50.0	ug/kg	N	0.293
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1221	3B	86	0	86	169	ug/kg	50.0	ug/kg	N	0.295
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1221	I 1A	1	0	1	37.0	ug/kg	50.0	ug/kg	N	1.35
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1221	I 1B	2	0	2	278	ug/kg	50.0	ug/kg	N	0.180
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1221	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1221	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1221	I 1A	1	0	1	95.0	ug/kg	25.0	ug/kg	N	0.263
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1221	I 1A	1	0	1	95.0	ug/kg	25.0	ug/kg	N	0.263
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1221	I 1A	1	0	1	90.0	ug/kg	25.0	ug/kg	N	0.278
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1221	I 1B	1	0	1	105	ug/kg	25.0	ug/kg	N	0.238
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1221	I 1B	1	0	1	105	ug/kg	25.0	ug/kg	N	0.238
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1221	I 1B	3	0	3	62.3	ug/kg	25.0	ug/kg	N	0.401
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1221	I 1B	3	0	3	46.8	ug/kg	25.0	ug/kg	N	0.534
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1232	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1232	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1232	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1232	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1232	2A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1232	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1232	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1232	3A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	25.0	ug/kg	N	0.737
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1232	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1232	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1232	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1232	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1232	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1232	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1232	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1232	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1232	3A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1232	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1232	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1232	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1232	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1232	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1232	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1232	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1232	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1232	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1232	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1232	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1232	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1232	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1232	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1232	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1232	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1232	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1232	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1232	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1232	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1232	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1232	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1232	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1232	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1232	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1232	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1232	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	85.0	ug/kg	N	1.37
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1232	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1232	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1232	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1232	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1232	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1232	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1232	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1232	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1232	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1232	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1232	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1232	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1232	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1232	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1232	3A	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1232	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1232	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1232	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1232	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1232	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1232	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1232	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1232	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1232	2B	2	0	2	179	ug/kg	5.00	ug/kg	N	0.0280
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1232	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1232	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1232	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1232	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1232	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1232	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1232	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1232	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1232	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1232	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1232	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1232	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1232	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1232	I 2B	67	0	67	94.2	ug/kg	5.00	ug/kg	N	0.0531
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1232	I 2B	86	0	86	84.5	ug/kg	5.00	ug/kg	N	0.0592
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1232	2A	72	0	72	60.8	ug/kg	50.0	ug/kg	N	0.822
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1232	I 2B	70	0	70	64.6	ug/kg	50.0	ug/kg	N	0.774
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1232	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1232	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1232	4B	209	0	209	62.0	ug/kg	50.0	ug/kg	N	0.806
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1232	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1232	3B	86	0	86	86.6	ug/kg	50.0	ug/kg	N	0.578
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1232	I 1A	1	0	1	18.5	ug/kg	50.0	ug/kg	N	2.70
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1232	I 1B	2	0	2	138	ug/kg	50.0	ug/kg	N	0.362
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1232	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1232	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1232	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1232	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1232	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1232	I 1B	1	0	1	55.0	ug/kg	25.0	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1232	I 1B	1	0	1	50.0	ug/kg	25.0	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1232	I 1B	3	0	3	31.5	ug/kg	25.0	ug/kg	N	0.794
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1232	I 1B	3	0	3	26.0	ug/kg	25.0	ug/kg	N	0.962
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1242	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1242	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1242	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	25.0	ug/kg	N	0.737
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1242	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1242	3A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1242	2A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1242	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1242	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1242	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1242	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1242	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1242	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1242	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1242	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1242	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1242	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1242	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1242	3A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1242	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1242	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1242	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1242	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1242	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1242	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1242	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1242	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1242	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1242	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1242	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1242	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1242	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1242	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1242	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1242	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1242	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1242	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1242	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1242	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1242	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1242	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1242	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1242	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1242	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1242	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	85.0	ug/kg	N	1.37
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1242	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1242	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1242	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1242	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1242	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1242	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1242	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1242	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1242	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1242	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1242	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1242	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1242	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1242	3A	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1242	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1242	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1242	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1242	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1242	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1242	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1242	2B	2	0	2	179	ug/kg	5.00	ug/kg	N	0.0280
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1242	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1242	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1242	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1242	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1242	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1242	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1242	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1242	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1242	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1242	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1242	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1242	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1242	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1242	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1242	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1242	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1242	I 2B	67	0	67	94.2	ug/kg	5.00	ug/kg	N	0.0531
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1242	I 2B	86	0	86	84.5	ug/kg	5.00	ug/kg	N	0.0592
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1242	2A	72	0	72	60.8	ug/kg	50.0	ug/kg	N	0.822
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1242	I 2B	70	0	70	64.6	ug/kg	50.0	ug/kg	N	0.774
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1242	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1242	4B	209	0	209	62.0	ug/kg	50.0	ug/kg	N	0.806
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1242	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1242	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1242	3B	86	0	86	86.6	ug/kg	50.0	ug/kg	N	0.578
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1242	I 1A	1	0	1	18.5	ug/kg	50.0	ug/kg	N	2.70
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1242	I 1B	2	0	2	138	ug/kg	50.0	ug/kg	N	0.362
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1242	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1242	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1242	I 1A	1	0	1	45.5	ug/kg	13.0	ug/kg	Y	0.286
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1242	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1242	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1242	I 1B	1	0	1	55.0	ug/kg	25.0	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1242	I 1B	1	0	1	50.0	ug/kg	25.0	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1242	I 1B	3	0	3	31.5	ug/kg	25.0	ug/kg	N	0.794
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1242	I 1B	3	0	3	26.0	ug/kg	25.0	ug/kg	N	0.962
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1248	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1248	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1248	1	15	0	15	32.7	ug/kg	5.00	ug/kg	N	0.153
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1248	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1248	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1248	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1248	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1248	3B	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1248	2A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	25.0	ug/kg	N	0.737
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	5.00	ug/kg	N	0.147
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1248	1	14	0	14	33.9	ug/kg	16.5	ug/kg	N	0.486
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1248	3A	33	0	33	36.6	ug/kg	5.00	ug/kg	N	0.137
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1248	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1248	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1248	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1248	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1248	3A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1248	1	14	0	14	36.4	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1248	2B	3	0	3	28.0	ug/kg	5.00	ug/kg	N	0.179
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1248	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1248	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1248	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1248	3B	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1248	2A	32	0	32	40.0	ug/kg	5.00	ug/kg	N	0.125
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1248	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1248	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1248	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1248	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1248	1	12	0	12	29.9	ug/kg	5.00	ug/kg	N	0.167
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1248	I 2A	45	0	45	48.9	ug/kg	50.0	ug/kg	N	1.02
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1248	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	62.8	ug/kg	5.00	ug/kg	N	0.0796
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1248	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1248	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1248	1	29	0	29	67.9	ug/kg	5.00	ug/kg	N	0.0737
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1248	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1248	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1248	1	29	0	29	67.3	ug/kg	5.00	ug/kg	N	0.0743
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1248	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1248	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1248	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1248	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1248	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1248	2B	3	0	3	76.7	ug/kg	5.00	ug/kg	N	0.0652
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1248	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1248	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1248	3B	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	21.0	ug/kg	N	0.244
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1248	2A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	85.0	ug/kg	N	0.989
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	85.0	ug/kg	N	1.37
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1248	3A	88	0	88	86.0	ug/kg	5.00	ug/kg	N	0.0582
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1248	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1248	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1248	1	35	0	35	136	ug/kg	5.00	ug/kg	N	0.0368
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1248	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1248	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1248	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1248	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1248	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1248	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	90.3	ug/kg	5.00	ug/kg	N	0.0553
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1248	3A	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1248	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1248	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1248	4A	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	5.00	ug/kg	N	0.0806
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1248	3B	42	0	42	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1248	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1248	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1248	1	32	0	32	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1248	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1248	2B	2	0	2	179	ug/kg	5.00	ug/kg	N	0.0280
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1248	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1248	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1248	2A	85	0	85	87.0	ug/kg	5.00	ug/kg	N	0.0575
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1248	1	33	0	33	84.7	ug/kg	5.00	ug/kg	N	0.0591
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1248	1	26	0	26	69.3	ug/kg	5.00	ug/kg	N	0.0722
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1248	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1248	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1248	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1248	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1248	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1248	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1248	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1248	I 2B	43	0	43	67.7	ug/kg	5.00	ug/kg	N	0.0739
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1248	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1248	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1248	I 2B	49	0	49	72.0	ug/kg	5.00	ug/kg	N	0.0694
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1248	I 2B	67	0	67	94.2	ug/kg	5.00	ug/kg	N	0.0531
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1248	I 2B	86	0	86	84.5	ug/kg	5.00	ug/kg	N	0.0592
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1248	2A	72	0	72	60.8	ug/kg	50.0	ug/kg	N	0.822
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1248	I 2B	70	0	70	64.6	ug/kg	50.0	ug/kg	N	0.774
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1248	4B	209	0	209	62.0	ug/kg	50.0	ug/kg	N	0.806
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1248	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1248	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1248	3B	86	0	86	86.9	ug/kg	50.0	ug/kg	N	0.575
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1248	3B	86	0	86	86.6	ug/kg	50.0	ug/kg	N	0.578
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1248	I 1A	1	0	1	18.5	ug/kg	50.0	ug/kg	N	2.70
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1248	I 1B	2	0	2	138	ug/kg	50.0	ug/kg	N	0.362
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1248	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1248	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1248	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1248	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1248	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1248	I 1B	1	0	1	55.0	ug/kg	25.0	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1248	I 1B	1	0	1	50.0	ug/kg	25.0	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1248	I 1B	3	0	3	31.5	ug/kg	25.0	ug/kg	N	0.794
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1248	I 1B	3	0	3	26.0	ug/kg	25.0	ug/kg	N	0.962
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1254	1	15	12	3	2630	ug/kg	49.0	ug/kg	Y	0.0186
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1254	1	15	12	3	2630	ug/kg	67.0	ug/kg	Y	0.0254
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1254	1	15	12	3	2630	ug/kg	52.0	ug/kg	Y	0.0197
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	160	ug/kg	Y	0.0576
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	820	ug/kg	Y	0.295
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	510	ug/kg	Y	0.184
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	370	ug/kg	Y	0.133
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	290	ug/kg	Y	0.104
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	370	ug/kg	Y	0.133
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	290	ug/kg	Y	0.104
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1254	3B	34	29	5	1290	ug/kg	5.00	ug/kg	N	0.00388
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	5.00	ug/kg	N	0.0165
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1254	3B	34	29	5	1290	ug/kg	46.0	ug/kg	Y	0.0357
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	230	ug/kg	Y	0.0828
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1254	3B	34	29	5	1290	ug/kg	31.0	ug/kg	Y	0.0241
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1254	3A	34	29	5	1290	ug/kg	200	ug/kg	Y	0.155
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	550	ug/kg	Y	0.198
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	150	ug/kg	Y	0.0540

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1254	3B	34	29	5	1290	ug/kg	96.0	ug/kg	Y	0.0745
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	90.0	ug/kg	Y	0.0324
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	150	ug/kg	Y	0.0540
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1254	2A	34	29	5	1290	ug/kg	5.00	ug/kg	N	0.00388
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	820	ug/kg	Y	0.295
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1254	3B	34	29	5	1290	ug/kg	160	ug/kg	Y	0.124
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	82.0	ug/kg	Y	0.271
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	200	ug/kg	Y	0.661
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	74.0	ug/kg	Y	0.245
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	650	ug/kg	Y	0.234
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	77.0	ug/kg	Y	0.0277
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	88.0	ug/kg	Y	0.291
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	5.00	ug/kg	N	0.0165
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	400	ug/kg	Y	0.144
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1254	1	14	12	2	2780	ug/kg	160	ug/kg	Y	0.0576
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1254	3B	33	29	4	1330	ug/kg	30.0	ug/kg	Y	0.0225
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	54.0	ug/kg	Y	0.0405
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	68.0	ug/kg	Y	0.0510
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1254	2B	3	3	0	183	ug/kg	120	ug/kg	Y	0.655
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	33.0	ug/kg	Y	0.109
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1254	3B	33	29	4	1330	ug/kg	20.0	ug/kg	Y	0.0150
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1254	2B	3	3	0	183	ug/kg	79.0	ug/kg	Y	0.431
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	59.0	ug/kg	Y	0.0442
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1254	1	15	13	2	176	ug/kg	76.0	ug/kg	Y	0.432
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	72.0	ug/kg	Y	0.0540
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1254	1	15	13	2	176	ug/kg	96.0	ug/kg	Y	0.546
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	58.0	ug/kg	Y	0.0435
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1254	3B	33	29	4	1330	ug/kg	64.0	ug/kg	Y	0.0480
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	5.00	ug/kg	N	0.00375
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1254	3B	33	29	4	1330	ug/kg	23.0	ug/kg	Y	0.0172
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1254	3A	33	29	4	1330	ug/kg	320	ug/kg	Y	0.240
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1254	1	15	13	2	176	ug/kg	140	ug/kg	Y	0.796
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1254	1	15	13	2	176	ug/kg	110	ug/kg	Y	0.625
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1254	3B	33	29	4	1330	ug/kg	67.0	ug/kg	Y	0.0502
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	80.0	ug/kg	Y	0.0600
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	64.0	ug/kg	Y	0.212
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	130	ug/kg	Y	0.430
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1254	1	15	13	2	176	ug/kg	80.0	ug/kg	Y	0.455
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	5.00	ug/kg	N	0.00375
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1254	3B	33	29	4	1330	ug/kg	96.0	ug/kg	Y	0.0720
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1254	2A	33	29	4	1330	ug/kg	44.0	ug/kg	Y	0.0330
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1254	2B	3	3	0	183	ug/kg	160	ug/kg	Y	0.873
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1254	1	12	11	1	102	ug/kg	42.0	ug/kg	Y	0.412
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1254	1	12	11	1	102	ug/kg	77.0	ug/kg	Y	0.755
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1254	1	12	11	1	102	ug/kg	66.0	ug/kg	Y	0.647
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1254	1	12	11	1	102	ug/kg	66.0	ug/kg	Y	0.647
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1254	1	12	11	1	102	ug/kg	83.0	ug/kg	Y	0.813
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	33.0	ug/kg	Y	0.155
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	5.00	ug/kg	N	0.0234
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	38.0	ug/kg	Y	0.178

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1254	1	20	15	5	209	ug/kg	21.0	ug/kg	Y	0.100
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	34.0	ug/kg	Y	0.159
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	50.0	ug/kg	N	0.234
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	50.0	ug/kg	N	0.234
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1254	1	20	15	5	209	ug/kg	49.0	ug/kg	Y	0.234
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	20.0	ug/kg	Y	0.0938
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1254	1	20	15	5	209	ug/kg	72.0	ug/kg	Y	0.344
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1254	1	20	15	5	209	ug/kg	50.0	ug/kg	Y	0.239
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	20.0	ug/kg	Y	0.0938
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1254	1	20	15	5	209	ug/kg	48.0	ug/kg	Y	0.229
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	28.0	ug/kg	Y	0.131
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	20.0	ug/kg	Y	0.0938
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	29.0	ug/kg	Y	0.136
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	82.0	ug/kg	Y	0.384
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1254	I 2A	47	37	10	213	ug/kg	23.0	ug/kg	Y	0.108
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1254	1	20	14	6	205	ug/kg	60.0	ug/kg	Y	0.293
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1254	1	20	14	6	205	ug/kg	79.0	ug/kg	Y	0.385
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1254	1	20	14	6	205	ug/kg	39.0	ug/kg	Y	0.190
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1254	1	20	14	6	205	ug/kg	47.0	ug/kg	Y	0.229
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1254	1	20	14	6	205	ug/kg	40.0	ug/kg	Y	0.195
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1254	1	27	10	17	82.5	ug/kg	51.0	ug/kg	Y	0.618
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1254	1	27	10	17	82.5	ug/kg	56.0	ug/kg	Y	0.678
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1254	1	27	10	17	82.5	ug/kg	48.0	ug/kg	Y	0.582
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1254	1	30	9	21	84.0	ug/kg	55.0	ug/kg	Y	0.655
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1254	1	30	9	21	84.0	ug/kg	54.0	ug/kg	Y	0.643
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1254	1	30	9	21	84.0	ug/kg	84.0	ug/kg	Y	1.00
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1254	1	30	9	21	79.5	ug/kg	49.0	ug/kg	Y	0.616
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1254	1	30	9	21	79.5	ug/kg	69.0	ug/kg	Y	0.868
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1254	1	30	9	21	79.5	ug/kg	70.0	ug/kg	Y	0.881
BIST015	LB031F1506	Gulf killifish	Whole Body	Aroclor-1254	1	24	3	21	151	ug/kg	93.0	ug/kg	Y	0.615
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1254	2A	88	19	69	99.3	ug/kg	65.0	ug/kg	Y	0.655
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1254	2B	3	0	3	76.7	ug/kg	90.0	ug/kg	Y	1.17
BIST015	LB031F1504	Gulf killifish	Whole Body	Aroclor-1254	1	24	3	21	151	ug/kg	180	ug/kg	Y	1.19
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1254	2B	3	0	3	76.7	ug/kg	42.0	ug/kg	Y	0.548
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1254	2A	88	19	69	99.3	ug/kg	5.00	ug/kg	N	0.0504
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1254	2A	88	19	69	99.3	ug/kg	59.0	ug/kg	Y	0.594
BIST015	LB031F1502	Gulf killifish	Whole Body	Aroclor-1254	1	24	3	21	151	ug/kg	120	ug/kg	Y	0.794
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1254	2A	88	19	69	99.3	ug/kg	5.00	ug/kg	N	0.0504
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1254	3B	88	19	69	99.3	ug/kg	180	ug/kg	Y	1.81
BIST015	LB034F1503	Spotted seatrout	Whole Body	Aroclor-1254	3B	88	19	69	99.3	ug/kg	70.0	ug/kg	Y	0.705
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	5.00	ug/kg	N	0.0165
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	1200	ug/kg	Y	12.1
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1254	3B	88	19	69	99.3	ug/kg	5.00	ug/kg	N	0.0504
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	1100	ug/kg	Y	3.64
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	95.0	ug/kg	Y	0.957
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	630	ug/kg	Y	6.34
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	130	ug/kg	Y	0.430
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	440	ug/kg	Y	4.43
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	160	ug/kg	Y	1.61
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	720	ug/kg	Y	7.25

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	570	ug/kg	Y	5.74
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1254	3B	88	19	69	99.3	ug/kg	130	ug/kg	Y	1.31
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	380	ug/kg	Y	3.83
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	2300	ug/kg	Y	7.60
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	950	ug/kg	Y	9.57
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	820	ug/kg	Y	8.26
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	890	ug/kg	Y	2.94
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	160	ug/kg	Y	1.61
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	2800	ug/kg	Y	28.2
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1254	2A	88	19	69	99.3	ug/kg	5.00	ug/kg	N	0.0504
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	14.0	ug/kg	Y	0.0463
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1254	3A	88	19	69	99.3	ug/kg	410	ug/kg	Y	4.13
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1254	1	35	4	31	156	ug/kg	58.0	ug/kg	Y	0.371
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1254	1	35	4	31	156	ug/kg	5.00	ug/kg	N	0.0320
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1254	1	35	4	31	156	ug/kg	5.00	ug/kg	N	0.0320
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1254	1	11	1	10	219	ug/kg	5.00	ug/kg	N	0.0229
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1254	1	11	1	10	219	ug/kg	5.00	ug/kg	N	0.0229
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1254	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1254	I 1A	1	0	1	15.0	ug/kg	54.0	ug/kg	Y	3.60
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1254	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1254	1	11	1	10	219	ug/kg	68.0	ug/kg	Y	0.311
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1254	1	26	5	21	118	ug/kg	72.0	ug/kg	Y	0.612
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1254	1	26	5	21	118	ug/kg	5.00	ug/kg	N	0.0425
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1254	1	26	5	21	118	ug/kg	5.00	ug/kg	N	0.0425
BIST021	LB094F2141	Pinfish	Whole Body	Aroclor-1254	3B	42	8	34	85.3	ug/kg	310	ug/kg	Y	3.63
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	440	ug/kg	Y	1.45
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	19.0	ug/kg	Y	0.0628
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	30.0	ug/kg	Y	0.0992
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	1200	ug/kg	Y	3.97
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	12.0	ug/kg	Y	0.0397
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	1600	ug/kg	Y	5.29
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1254	3A	42	8	34	85.3	ug/kg	100.0	ug/kg	Y	1.17
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1254	3B	42	8	34	85.3	ug/kg	260	ug/kg	Y	3.05
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	92.0	ug/kg	Y	0.304
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	600	ug/kg	Y	1.98
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1254	3B	42	8	34	85.3	ug/kg	170	ug/kg	Y	1.99
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	1200	ug/kg	Y	3.97
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	5.00	ug/kg	N	0.0165
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	2300	ug/kg	Y	7.60
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	5.00	ug/kg	N	0.0165
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1254	4A	212	101	111	302	ug/kg	470	ug/kg	Y	1.55
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1254	3B	42	8	34	85.3	ug/kg	69.0	ug/kg	Y	0.809
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	40.0	ug/kg	Y	0.132
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	88.0	ug/kg	Y	0.291
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	530	ug/kg	Y	1.75
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1254	1	32	11	21	104	ug/kg	140	ug/kg	Y	1.35
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1254	1	32	11	21	104	ug/kg	56.0	ug/kg	Y	0.539
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1254	1	32	11	21	104	ug/kg	97.0	ug/kg	Y	0.933
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1254	1	33	9	24	111	ug/kg	220	ug/kg	Y	1.98
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1254	2B	2	0	2	179	ug/kg	180	ug/kg	Y	1.01

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1254	2A	86	22	64	101	ug/kg	61.0	ug/kg	Y	0.602
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1254	2A	86	22	64	101	ug/kg	5.00	ug/kg	N	0.0494
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1254	1	33	9	24	111	ug/kg	63.0	ug/kg	Y	0.568
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1254	1	33	9	24	111	ug/kg	56.0	ug/kg	Y	0.505
BIST026	LB131F2604	Gulf killifish	Whole Body	Aroclor-1254	1	34	6	28	92.6	ug/kg	12.0	ug/kg	Y	0.130
BIST026	LB131F2601	Gulf killifish	Whole Body	Aroclor-1254	1	34	6	28	92.6	ug/kg	120	ug/kg	Y	1.30
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1254	1	27	8	19	83.2	ug/kg	120	ug/kg	Y	1.44
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1254	1	27	8	19	83.2	ug/kg	36.0	ug/kg	Y	0.432
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Aroclor-1254	1	27	8	19	83.2	ug/kg	91.0	ug/kg	Y	1.09
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1254	1	22	5	17	73.5	ug/kg	38.0	ug/kg	Y	0.517
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1254	1	22	5	17	73.5	ug/kg	5.00	ug/kg	N	0.0680
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1254	1	22	5	17	73.5	ug/kg	5.00	ug/kg	N	0.0680
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1254	1	25	6	19	78.6	ug/kg	160	ug/kg	Y	2.04
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1254	1	25	6	19	78.6	ug/kg	5.00	ug/kg	N	0.0636
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1254	1	25	6	19	78.6	ug/kg	5.00	ug/kg	N	0.0636
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1254	I 2B	43	10	33	85.8	ug/kg	330	ug/kg	Y	3.85
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1254	I 2B	43	10	33	85.8	ug/kg	150	ug/kg	Y	1.75
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1254	I 2B	49	14	35	90.7	ug/kg	190	ug/kg	Y	2.09
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1254	I 2B	49	14	35	90.7	ug/kg	110	ug/kg	Y	1.21
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1254	I 2B	49	14	35	90.7	ug/kg	220	ug/kg	Y	2.42
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1254	I 2B	67	15	52	108	ug/kg	13.0	ug/kg	Y	0.120
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1254	I 2B	87	33	54	111	ug/kg	96.0	ug/kg	Y	0.866
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1254	2A	74	45	29	143	ug/kg	50.0	ug/kg	N	0.349
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1254	I 2B	72	36	36	109	ug/kg	50.0	ug/kg	N	0.458
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1254	3B	87	24	63	101	ug/kg	50.0	ug/kg	N	0.496
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1254	3B	87	24	63	101	ug/kg	50.0	ug/kg	N	0.496
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1254	4B	212	101	111	302	ug/kg	50.0	ug/kg	N	0.165
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1254	3B	87	24	63	101	ug/kg	50.0	ug/kg	N	0.496
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1254	3B	87	22	65	101	ug/kg	50.0	ug/kg	N	0.496
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1254	I 1A	1	0	1	18.5	ug/kg	50.0	ug/kg	N	2.70
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1254	I 1B	2	0	2	138	ug/kg	50.0	ug/kg	N	0.362
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1254	I 1A	1	1	0	13.0	ug/kg	51.0	ug/kg	Y	3.92
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1254	I 1A	1	1	0	13.0	ug/kg	74.0	ug/kg	Y	5.69
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1254	I 1A	1	1	0	200	ug/kg	17.0	ug/kg	Y	0.0850
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1254	I 1A	1	1	0	200	ug/kg	19.0	ug/kg	Y	0.0950
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1254	I 1A	1	1	0	33.0	ug/kg	18.0	ug/kg	Y	0.545
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1254	I 1B	1	1	0	47.0	ug/kg	19.0	ug/kg	Y	0.404
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1254	I 1B	1	0	1	50.0	ug/kg	34.0	ug/kg	Y	0.680
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1254	I 1B	3	1	2	106	ug/kg	32.0	ug/kg	Y	0.303
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1254	I 1B	3	1	2	209	ug/kg	31.0	ug/kg	Y	0.148
BIST004	UB041F0404	Gulf killifish	Whole Body	Aroclor-1260	1	15	1	14	37.3	ug/kg	5.00	ug/kg	N	0.134
BIST004	UB041F0402	Gulf killifish	Whole Body	Aroclor-1260	1	15	1	14	37.3	ug/kg	5.00	ug/kg	N	0.134
BIST004	UB041F0401	Gulf killifish	Whole Body	Aroclor-1260	1	15	1	14	37.3	ug/kg	5.00	ug/kg	N	0.134
BIST005	UB051F0510	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	5.00	ug/kg	N	0.138
BIST005	UB054F0506	Spotted seatrout	Whole Body	Aroclor-1260	3B	33	2	31	39.7	ug/kg	31.0	ug/kg	Y	0.782
BIST005	UB052F0501	Gulf menhaden	Whole Body	Aroclor-1260	2A	33	2	31	39.7	ug/kg	5.00	ug/kg	N	0.126
BIST005	UB051F0523	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB054F0507	Spotted seatrout	Whole Body	Aroclor-1260	3B	33	2	31	39.7	ug/kg	47.0	ug/kg	Y	1.19
BIST005	UB051F0520	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	5.00	ug/kg	N	0.138
BIST005	UB054F0505	Spotted seatrout	Whole Body	Aroclor-1260	3B	33	2	31	39.7	ug/kg	140	ug/kg	Y	3.53

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0525	Sailfin molly	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB051F0505	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB054F0516	Skipjack herring	Whole Body	Aroclor-1260	3A	33	2	31	39.7	ug/kg	94.0	ug/kg	Y	2.37
BIST005	UB051F0508	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB051F0502	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB054F0511	Spotted seatrout	Whole Body	Aroclor-1260	3B	33	2	31	39.7	ug/kg	5.00	ug/kg	N	0.126
BIST005	UB054F0514	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST005	UB054F0503	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	74.0	ug/kg	Y	1.16
BIST005	UB051F0511	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	5.00	ug/kg	N	0.138
BIST005	UB051F0504	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB054F0515	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	29.0	ug/kg	Y	0.456
BIST005	UB051F0516	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	5.00	ug/kg	N	0.138
BIST005	UB054F0504	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	35.0	ug/kg	Y	0.550
BIST005	UB051F0512	Sailfin molly	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB051F0509	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB051F0503	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB054F0508	Spotted seatrout	Whole Body	Aroclor-1260	3B	33	2	31	39.7	ug/kg	86.0	ug/kg	Y	2.17
BIST005	UB054F0502	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	25.0	ug/kg	Y	0.393
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	16.5	ug/kg	N	0.456
BIST005	UB054F0501	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST005	UB051F0518	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	5.00	ug/kg	N	0.138
BIST005	UB051F0501	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	25.0	ug/kg	N	0.690
BIST005	UB051F0515	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	36.2	ug/kg	5.00	ug/kg	N	0.138
BIST006	MB011F0605	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	38.6	ug/kg	5.00	ug/kg	N	0.129
BIST006	MB012F0609	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB012F0611	Spot	Whole Body	Aroclor-1260	2B	3	0	3	28.0	ug/kg	84.0	ug/kg	Y	3.00
BIST006	MB011F0615	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	38.6	ug/kg	54.0	ug/kg	Y	1.40
BIST006	MB014F0612	Spotted seatrout	Whole Body	Aroclor-1260	3B	32	2	30	43.9	ug/kg	60.0	ug/kg	Y	1.37
BIST006	MB014F0630	Sand seatrout	Whole Body	Aroclor-1260	3B	32	2	30	43.9	ug/kg	59.0	ug/kg	Y	1.34
BIST006	MB012F0603	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB014F0605	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	24.0	ug/kg	Y	0.377
BIST006	MB012F0601	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB011F0607	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	38.6	ug/kg	38.0	ug/kg	Y	0.983
BIST006	MB014F0601	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	71.0	ug/kg	Y	1.12
BIST006	MB012F0602	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB011F0624	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	38.6	ug/kg	5.00	ug/kg	N	0.129
BIST006	MB012F0604	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB014F0628	White mullet	Whole Body	Aroclor-1260	3A	32	2	30	43.9	ug/kg	160	ug/kg	Y	3.64
BIST006	MB014F0602	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	19.0	ug/kg	Y	0.299
BIST006	MB012F0610	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB014F0608	Spotted seatrout	Whole Body	Aroclor-1260	3B	32	2	30	43.9	ug/kg	22.0	ug/kg	Y	0.501
BIST006	MB014F0604	Spotted seatrout	Whole Body	Aroclor-1260	3B	32	2	30	43.9	ug/kg	27.0	ug/kg	Y	0.615
BIST006	MB012F0613	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB012F0619	Spot	Whole Body	Aroclor-1260	2B	3	0	3	28.0	ug/kg	38.0	ug/kg	Y	1.36
BIST006	MB014F0615	Sand seatrout	Whole Body	Aroclor-1260	3B	32	2	30	43.9	ug/kg	99.0	ug/kg	Y	2.25
BIST006	MB012F0606	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB014F0603	Spotted seatrout	Whole Body	Aroclor-1260	3B	32	2	30	43.9	ug/kg	23.0	ug/kg	Y	0.524
BIST006	MB012F0605	Gulf menhaden	Whole Body	Aroclor-1260	2A	32	2	30	43.9	ug/kg	5.00	ug/kg	N	0.114
BIST006	MB011F0616	Gulf killifish	Whole Body	Aroclor-1260	1	14	1	13	38.6	ug/kg	5.00	ug/kg	N	0.129
BIST006	MB012F0607	Spot	Whole Body	Aroclor-1260	2B	3	0	3	28.0	ug/kg	66.0	ug/kg	Y	2.36

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST007	MB011F0702	Gulf killifish	Whole Body	Aroclor-1260	1	12	1	11	32.5	ug/kg	5.00	ug/kg	N	0.154
BIST007	MB011F0706	Gulf killifish	Whole Body	Aroclor-1260	1	12	1	11	32.5	ug/kg	5.00	ug/kg	N	0.154
BIST007	MB011F0708	Gulf killifish	Whole Body	Aroclor-1260	1	12	1	11	32.5	ug/kg	5.00	ug/kg	N	0.154
BIST007	MB011F0704	Gulf killifish	Whole Body	Aroclor-1260	1	12	1	11	32.5	ug/kg	5.00	ug/kg	N	0.154
BIST007	MB011F0703	Gulf killifish	Whole Body	Aroclor-1260	1	12	1	11	32.5	ug/kg	5.00	ug/kg	N	0.154
BIST008	MB031F0804	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0810	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0812	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0816	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0801	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0818	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	50.0	ug/kg	N	0.981
BIST008	MB031V0802	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	50.0	ug/kg	N	0.981
BIST008	MB031V0817	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031F0803	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0811	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0808	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031F0806	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031F0805	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031F0811	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.8	ug/kg	5.00	ug/kg	N	0.114
BIST008	MB031V0807	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0803	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	50.0	ug/kg	N	0.981
BIST008	MB031V0813	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST008	MB031V0819	Shrimp	Shellfish	Aroclor-1260	I 2A	45	1	44	51.0	ug/kg	5.00	ug/kg	N	0.0981
BIST010	MB031F1013	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1006	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1009	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1001	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST010	MB031F1004	Gulf killifish	Whole Body	Aroclor-1260	1	20	0	20	43.6	ug/kg	5.00	ug/kg	N	0.115
BIST011	LB011F1103	Gulf killifish	Whole Body	Aroclor-1260	1	26	0	26	62.8	ug/kg	22.0	ug/kg	Y	0.350
BIST011	LB011F1101	Gulf killifish	Whole Body	Aroclor-1260	1	26	0	26	62.8	ug/kg	23.0	ug/kg	Y	0.366
BIST011	LB011F1105	Gulf killifish	Whole Body	Aroclor-1260	1	26	0	26	62.8	ug/kg	24.0	ug/kg	Y	0.382
BIST012	LB011F1202	Gulf killifish	Whole Body	Aroclor-1260	1	29	0	29	67.9	ug/kg	29.0	ug/kg	Y	0.427
BIST012	LB011F1204	Gulf killifish	Whole Body	Aroclor-1260	1	29	0	29	67.9	ug/kg	22.0	ug/kg	Y	0.324
BIST012	LB011F1201	Gulf killifish	Whole Body	Aroclor-1260	1	29	0	29	67.9	ug/kg	23.0	ug/kg	Y	0.339
BIST013	LB011F1305	Gulf killifish	Whole Body	Aroclor-1260	1	29	0	29	67.3	ug/kg	26.0	ug/kg	Y	0.386
BIST013	LB011F1302	Gulf killifish	Whole Body	Aroclor-1260	1	29	0	29	67.3	ug/kg	25.0	ug/kg	Y	0.372
BIST013	LB011F1301	Gulf killifish	Whole Body	Aroclor-1260	1	29	0	29	67.3	ug/kg	31.0	ug/kg	Y	0.461
BIST015	LB032F1504	Spot	Whole Body	Aroclor-1260	2B	3	0	3	76.7	ug/kg	61.0	ug/kg	Y	0.796
BIST015	LB031F1504	Gulf killifish	Whole Body	Aroclor-1260	1	24	0	24	144	ug/kg	57.0	ug/kg	Y	0.395
BIST015	LB031F1506	Gulf killifish	Whole Body	Aroclor-1260	1	24	0	24	144	ug/kg	26.0	ug/kg	Y	0.180
BIST015	LB032F1501	Gulf menhaden	Whole Body	Aroclor-1260	2A	88	2	86	87.5	ug/kg	5.00	ug/kg	N	0.0571
BIST015	LB032F1505	Gulf menhaden	Whole Body	Aroclor-1260	2A	88	2	86	87.5	ug/kg	5.00	ug/kg	N	0.0571
BIST015	LB031F1502	Gulf killifish	Whole Body	Aroclor-1260	1	24	0	24	144	ug/kg	40.0	ug/kg	Y	0.277
BIST015	LB032F1502	Gulf menhaden	Whole Body	Aroclor-1260	2A	88	2	86	87.5	ug/kg	5.00	ug/kg	N	0.0571
BIST015	LB032F1506	Spot	Whole Body	Aroclor-1260	2B	3	0	3	76.7	ug/kg	23.0	ug/kg	Y	0.300
BIST015	LB032F1503	Threadfin shad	Whole Body	Aroclor-1260	2A	88	2	86	87.5	ug/kg	5.00	ug/kg	N	0.0571
BIST015	LB033F1514	Striped mullet	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	380	ug/kg	Y	5.98
BIST015	LB034F1504	Spotted seatrout	Whole Body	Aroclor-1260	3B	88	2	86	87.5	ug/kg	36.0	ug/kg	Y	0.411
BIST015	LB034F1502	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	72.0	ug/kg	Y	1.13
BIST015	LB033F1516	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	220	ug/kg	Y	2.51

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1502	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	97.0	ug/kg	Y	1.11
BIST015	LB033F1505	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	280	ug/kg	Y	3.20
BIST015	LB033F1509	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	540	ug/kg	Y	6.17
BIST015	LB032F1507	Gulf menhaden	Whole Body	Aroclor-1260	2A	88	2	86	87.5	ug/kg	5.00	ug/kg	N	0.0571
BIST015	LB033F1512	Striped mullet	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	720	ug/kg	Y	11.3
BIST015	LB033F1506	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	100.0	ug/kg	Y	1.14
BIST015	LB033F1508	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	1100	ug/kg	Y	12.6
BIST015	LB033F1517	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	260	ug/kg	Y	2.97
BIST015	LB033F1503	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	360	ug/kg	Y	4.11
BIST015	LB033F1510	Striped mullet	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	1700	ug/kg	Y	26.7
BIST015	LB034F1506	Atlantic croaker	Whole Body	Aroclor-1260	3B	88	2	86	87.5	ug/kg	81.0	ug/kg	Y	0.925
BIST015	LB033F1515	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	240	ug/kg	Y	2.74
BIST015	LB034F1501	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST015	LB033F1518	Gulf menhaden	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	82.0	ug/kg	Y	0.937
BIST015	LB033F1511	Striped mullet	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	610	ug/kg	Y	9.59
BIST015	LB033F1507	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	300	ug/kg	Y	3.43
BIST015	LB033F1501	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	290	ug/kg	Y	3.31
BIST015	LB033F1504	Striped mullet	Whole Body	Aroclor-1260	3A	88	2	86	87.5	ug/kg	260	ug/kg	Y	2.97
BIST015	LB034F1505	Spotted seatrout	Whole Body	Aroclor-1260	3B	88	2	86	87.5	ug/kg	5.00	ug/kg	N	0.0571
BIST015	LB034F1503	Spotted seatrout	Whole Body	Aroclor-1260	3B	88	2	86	87.5	ug/kg	25.0	ug/kg	Y	0.286
BIST016	LB031F1610	Gulf killifish	Whole Body	Aroclor-1260	1	35	1	34	137	ug/kg	5.00	ug/kg	N	0.0365
BIST016	LB031F1601	Gulf killifish	Whole Body	Aroclor-1260	1	35	1	34	137	ug/kg	26.0	ug/kg	Y	0.190
BIST016	LB031F1602	Gulf killifish	Whole Body	Aroclor-1260	1	35	1	34	137	ug/kg	5.00	ug/kg	N	0.0365
BIST017	LB031A1753	Mussels	Shellfish	Aroclor-1260	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Aroclor-1260	1	11	0	11	215	ug/kg	27.0	ug/kg	Y	0.126
BIST017	LB031A1752	Mussels	Shellfish	Aroclor-1260	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Aroclor-1260	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST017	LB031A1754	Mussels	Shellfish	Aroclor-1260	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Aroclor-1260	1	11	0	11	215	ug/kg	5.00	ug/kg	N	0.0233
BIST019	LB061F1901	Gulf killifish	Whole Body	Aroclor-1260	1	26	2	24	95.7	ug/kg	5.00	ug/kg	N	0.0522
BIST019	LB061F1903	Gulf killifish	Whole Body	Aroclor-1260	1	26	2	24	95.7	ug/kg	5.00	ug/kg	N	0.0522
BIST019	LB061F1902	Gulf killifish	Whole Body	Aroclor-1260	1	26	2	24	95.7	ug/kg	29.0	ug/kg	Y	0.303
BIST021	LB094F2124	Spotted seatrout	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST021	LB094F2122	Spotted seatrout	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	16.0	ug/kg	Y	0.252
BIST021	LB093F2102	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	2000	ug/kg	Y	31.4
BIST021	LB093F2108	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	1200	ug/kg	Y	18.9
BIST021	LB094F2141	Pinfish	Whole Body	Aroclor-1260	3B	42	2	40	72.3	ug/kg	190	ug/kg	Y	2.63
BIST021	LB094F2115	Black Drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST021	LB093F2101	Striped mullet	Whole Body	Aroclor-1260	3A	42	2	40	72.3	ug/kg	73.0	ug/kg	Y	1.01
BIST021	LB093F2106	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	770	ug/kg	Y	12.1
BIST021	LB094F2151	Spotted seatrout	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	380	ug/kg	Y	5.98
BIST021	LB093F2107	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	240	ug/kg	Y	3.77
BIST021	LB094F2134	Pinfish	Whole Body	Aroclor-1260	3B	42	2	40	72.3	ug/kg	130	ug/kg	Y	1.80
BIST021	LB094F2107	Atlantic croaker	Whole Body	Aroclor-1260	3B	42	2	40	72.3	ug/kg	71.0	ug/kg	Y	0.983
BIST021	LB094F2120	Spotted seatrout	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	48.0	ug/kg	Y	0.755
BIST021	LB094F2121	Spotted seatrout	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	36.0	ug/kg	Y	0.566
BIST021	LB094F2103	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	11.0	ug/kg	Y	0.173
BIST021	LB094F2104	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST021	LB094F2118	Red drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	5.00	ug/kg	N	0.0786
BIST021	LB093F2103	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	310	ug/kg	Y	4.87

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2104	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	320	ug/kg	Y	5.03
BIST021	LB093F2105	Gizzard shad	Whole Body	Aroclor-1260	4A	209	5	204	63.6	ug/kg	770	ug/kg	Y	12.1
BIST021	LB094F2101	Spotted seatrout	Whole Body	Aroclor-1260	3B	42	2	40	72.3	ug/kg	24.0	ug/kg	Y	0.332
BIST024	LB131F2402	Gulf killifish	Whole Body	Aroclor-1260	1	32	1	31	80.1	ug/kg	28.0	ug/kg	Y	0.350
BIST024	LB131F2406	Gulf killifish	Whole Body	Aroclor-1260	1	32	1	31	80.1	ug/kg	18.0	ug/kg	Y	0.225
BIST024	LB131F2408	Gulf killifish	Whole Body	Aroclor-1260	1	32	1	31	80.1	ug/kg	39.0	ug/kg	Y	0.487
BIST025	LB132F2503	Spot	Whole Body	Aroclor-1260	2B	2	0	2	179	ug/kg	110	ug/kg	Y	0.616
BIST025	LB131F2501	Gulf killifish	Whole Body	Aroclor-1260	1	33	1	32	86.1	ug/kg	25.0	ug/kg	Y	0.290
BIST025	LB132F2501	Gulf menhaden	Whole Body	Aroclor-1260	2A	85	2	83	88.6	ug/kg	5.00	ug/kg	N	0.0564
BIST025	LB132F2502	Gulf menhaden	Whole Body	Aroclor-1260	2A	85	2	83	88.6	ug/kg	5.00	ug/kg	N	0.0564
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Aroclor-1260	1	33	1	32	86.1	ug/kg	90.0	ug/kg	Y	1.04
BIST025	LB131F2502	Gulf killifish	Whole Body	Aroclor-1260	1	33	1	32	86.1	ug/kg	23.0	ug/kg	Y	0.267
BIST026	LB131F2601	Gulf killifish	Whole Body	Aroclor-1260	1	34	1	33	68.7	ug/kg	36.0	ug/kg	Y	0.524
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Aroclor-1260	1	26	0	26	69.3	ug/kg	47.0	ug/kg	Y	0.679
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Aroclor-1260	1	26	0	26	69.3	ug/kg	31.0	ug/kg	Y	0.448
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Aroclor-1260	1	26	0	26	69.3	ug/kg	12.0	ug/kg	Y	0.173
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Aroclor-1260	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Aroclor-1260	1	22	0	22	64.5	ug/kg	5.00	ug/kg	N	0.0775
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Aroclor-1260	1	22	0	22	64.5	ug/kg	20.0	ug/kg	Y	0.310
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Aroclor-1260	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Aroclor-1260	1	25	0	25	69.8	ug/kg	5.00	ug/kg	N	0.0717
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Aroclor-1260	1	25	0	25	69.8	ug/kg	61.0	ug/kg	Y	0.874
BISTC01	BAYD4C0101	Blue crab	Shellfish	Aroclor-1260	I 2B	43	2	41	70.9	ug/kg	5.00	ug/kg	N	0.0705
BISTC01	BAYD4C0103	Blue crab	Shellfish	Aroclor-1260	I 2B	43	2	41	70.9	ug/kg	5.00	ug/kg	N	0.0705
BISTC02	BAYD4C0201	Blue crab	Shellfish	Aroclor-1260	I 2B	49	2	47	74.9	ug/kg	5.00	ug/kg	N	0.0668
BISTC02	BAYD4C0203	Blue crab	Shellfish	Aroclor-1260	I 2B	49	2	47	74.9	ug/kg	5.00	ug/kg	N	0.0668
BISTC02	BAYD4C0205	Blue crab	Shellfish	Aroclor-1260	I 2B	49	2	47	74.9	ug/kg	5.00	ug/kg	N	0.0668
BISTC03	BAYD4C0302	Blue crab	Shellfish	Aroclor-1260	I 2B	67	2	65	96.3	ug/kg	5.00	ug/kg	N	0.0519
BISTC05	BAYD4C0502	Blue crab	Shellfish	Aroclor-1260	I 2B	86	1	85	85.0	ug/kg	5.00	ug/kg	N	0.0588
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Aroclor-1260	2A	72	0	72	60.8	ug/kg	50.0	ug/kg	N	0.822
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Aroclor-1260	I 2B	70	0	70	64.6	ug/kg	50.0	ug/kg	N	0.774
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Aroclor-1260	3B	86	2	84	88.6	ug/kg	50.0	ug/kg	N	0.565
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Aroclor-1260	3B	86	2	84	88.6	ug/kg	50.0	ug/kg	N	0.565
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Aroclor-1260	4B	209	5	204	63.6	ug/kg	50.0	ug/kg	N	0.786
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Aroclor-1260	3B	86	2	84	88.6	ug/kg	86.0	ug/kg	Y	0.971
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Aroclor-1260	3B	86	2	84	88.2	ug/kg	50.0	ug/kg	N	0.567
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Aroclor-1260	I 1A	1	1	0	67.0	ug/kg	50.0	ug/kg	N	0.746
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Aroclor-1260	I 1B	2	0	2	138	ug/kg	50.0	ug/kg	N	0.362
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Aroclor-1260	I 1A	1	0	1	21.5	ug/kg	25.0	ug/kg	Y	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Aroclor-1260	I 1A	1	0	1	21.5	ug/kg	31.0	ug/kg	Y	1.44
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Aroclor-1260	I 1A	1	0	1	45.5	ug/kg	25.0	ug/kg	N	0.549
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Aroclor-1260	I 1A	1	0	1	45.5	ug/kg	14.0	ug/kg	Y	0.308
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Aroclor-1260	I 1A	1	0	1	43.5	ug/kg	25.0	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Aroclor-1260	I 1B	1	0	1	55.0	ug/kg	18.0	ug/kg	Y	0.327
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Aroclor-1260	I 1B	1	0	1	50.0	ug/kg	35.0	ug/kg	Y	0.700
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Aroclor-1260	I 1B	3	0	3	31.5	ug/kg	22.0	ug/kg	Y	0.698
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Aroclor-1260	I 1B	3	1	2	42.2	ug/kg	34.0	ug/kg	Y	0.806
BIST004	UB041F0401	Gulf killifish	Whole Body	Arsenic	1	13	11	2	3.39	mg/kg	0.100	mg/kg	Y	0.0295
BIST004	UB041F0404	Gulf killifish	Whole Body	Arsenic	1	13	11	2	3.39	mg/kg	0.100	mg/kg	Y	0.0295
BIST004	UB041F0402	Gulf killifish	Whole Body	Arsenic	1	13	11	2	3.39	mg/kg	0.120	mg/kg	Y	0.0354

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0511	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.170	mg/kg	Y	0.0557
BIST005	UB051F0525	Sailfin molly	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.250	mg/kg	Y	0.0820
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.170	mg/kg	Y	0.0557
BIST005	UB054F0507	Spotted seatrout	Whole Body	Arsenic	3B	30	28	2	3.27	mg/kg	0.170	mg/kg	Y	0.0520
BIST005	UB051F0512	Sailfin molly	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.250	mg/kg	Y	0.0820
BIST005	UB051F0520	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.120	mg/kg	Y	0.0393
BIST005	UB051F0515	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.130	mg/kg	Y	0.0426
BIST005	UB054F0508	Spotted seatrout	Whole Body	Arsenic	3B	30	28	2	3.27	mg/kg	0.150	mg/kg	Y	0.0459
BIST005	UB051F0518	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.440	mg/kg	Y	0.144
BIST005	UB054F0514	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.180	mg/kg	Y	0.0506
BIST005	UB054F0511	Spotted seatrout	Whole Body	Arsenic	3B	30	28	2	3.27	mg/kg	0.150	mg/kg	Y	0.0459
BIST005	UB051F0501	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.230	mg/kg	Y	0.0754
BIST005	UB054F0516	Skipjack herring	Whole Body	Arsenic	3A	30	28	2	3.27	mg/kg	0.280	mg/kg	Y	0.0856
BIST005	UB051F0502	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.210	mg/kg	Y	0.0689
BIST005	UB051F0510	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.180	mg/kg	Y	0.0590
BIST005	UB051F0504	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.240	mg/kg	Y	0.0787
BIST005	UB054F0515	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.340	mg/kg	Y	0.0956
BIST005	UB051F0516	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.500	mg/kg	Y	0.164
BIST005	UB051F0503	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.210	mg/kg	Y	0.0689
BIST005	UB054B0503	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.240	mg/kg	Y	0.155
BIST005	UB054F0503	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.270	mg/kg	Y	0.0759
BIST005	UB054F0504	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.180	mg/kg	Y	0.0506
BIST005	UB054F0502	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.170	mg/kg	Y	0.0478
BIST005	UB051F0505	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.150	mg/kg	Y	0.0492
BIST005	UB054F0501	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.0590
BIST005	UB054B0506	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.160	mg/kg	Y	0.103
BIST005	UB054B0505	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.250	mg/kg	Y	0.162
BIST005	UB051F0523	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.130	mg/kg	Y	0.0426
BIST005	UB054B0504	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.220	mg/kg	Y	0.142
BIST005	UB054B0502	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.250	mg/kg	Y	0.162
BIST005	UB054F0505	Spotted seatrout	Whole Body	Arsenic	3B	30	28	2	3.27	mg/kg	0.150	mg/kg	Y	0.0459
BIST005	UB054B0501	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.250	mg/kg	Y	0.162
BIST005	UB051F0509	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.160	mg/kg	Y	0.0525
BIST005	UB052F0501	Gulf menhaden	Whole Body	Arsenic	2A	30	28	2	3.27	mg/kg	0.280	mg/kg	Y	0.0856
BIST005	UB054F0506	Spotted seatrout	Whole Body	Arsenic	3B	30	28	2	3.27	mg/kg	0.170	mg/kg	Y	0.0520
BIST005	UB051F0508	Gulf killifish	Whole Body	Arsenic	1	12	12	0	3.05	mg/kg	0.160	mg/kg	Y	0.0525
BIST006	MB012F0606	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.460	mg/kg	Y	0.136
BIST006	MB011F0607	Gulf killifish	Whole Body	Arsenic	1	13	13	0	2.92	mg/kg	0.130	mg/kg	Y	0.0445
BIST006	MB014B0602	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.250	mg/kg	Y	0.162
BIST006	MB011F0605	Gulf killifish	Whole Body	Arsenic	1	13	13	0	2.92	mg/kg	0.130	mg/kg	Y	0.0445
BIST006	MB014B0603	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.136
BIST006	MB014B0607	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.136
BIST006	MB012F0611	Spot	Whole Body	Arsenic	2B	2	2	0	3.20	mg/kg	0.260	mg/kg	Y	0.0813
BIST006	MB014B0606	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.190	mg/kg	Y	0.123
BIST006	MB014B0605	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.190	mg/kg	Y	0.123
BIST006	MB014B0604	Red drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.136
BIST006	MB014F0603	Spotted seatrout	Whole Body	Arsenic	3B	30	30	0	3.39	mg/kg	0.160	mg/kg	Y	0.0472
BIST006	MB012F0604	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.340	mg/kg	Y	0.100
BIST006	MB012F0607	Spot	Whole Body	Arsenic	2B	2	2	0	3.20	mg/kg	0.300	mg/kg	Y	0.0938
BIST006	MB014F0602	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.150	mg/kg	Y	0.0422

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0615	Sand seatrout	Whole Body	Arsenic	3B	30	30	0	3.39	mg/kg	0.170	mg/kg	Y	0.0501
BIST006	MB014F0628	White mullet	Whole Body	Arsenic	3A	30	30	0	3.39	mg/kg	0.320	mg/kg	Y	0.0944
BIST006	MB012F0619	Spot	Whole Body	Arsenic	2B	2	2	0	3.20	mg/kg	0.310	mg/kg	Y	0.0969
BIST006	MB012F0613	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.330	mg/kg	Y	0.0973
BIST006	MB014F0601	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.110	mg/kg	Y	0.0309
BIST006	MB012F0605	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.330	mg/kg	Y	0.0973
BIST006	MB014F0604	Spotted seatrout	Whole Body	Arsenic	3B	30	30	0	3.39	mg/kg	0.190	mg/kg	Y	0.0560
BIST006	MB011F0615	Gulf killifish	Whole Body	Arsenic	1	13	13	0	2.92	mg/kg	0.150	mg/kg	Y	0.0513
BIST006	MB012F0610	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.390	mg/kg	Y	0.115
BIST006	MB012F0602	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.470	mg/kg	Y	0.139
BIST006	MB011F0616	Gulf killifish	Whole Body	Arsenic	1	13	13	0	2.92	mg/kg	0.130	mg/kg	Y	0.0445
BIST006	MB011F0624	Gulf killifish	Whole Body	Arsenic	1	13	13	0	2.92	mg/kg	0.170	mg/kg	Y	0.0582
BIST006	MB014F0630	Sand seatrout	Whole Body	Arsenic	3B	30	30	0	3.39	mg/kg	0.160	mg/kg	Y	0.0472
BIST006	MB014F0612	Spotted seatrout	Whole Body	Arsenic	3B	30	30	0	3.39	mg/kg	0.130	mg/kg	Y	0.0383
BIST006	MB014F0608	Spotted seatrout	Whole Body	Arsenic	3B	30	30	0	3.39	mg/kg	0.160	mg/kg	Y	0.0472
BIST006	MB014F0605	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.160	mg/kg	Y	0.0450
BIST006	MB012F0603	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.540	mg/kg	Y	0.159
BIST006	MB012F0601	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.420	mg/kg	Y	0.124
BIST006	MB012F0609	Gulf menhaden	Whole Body	Arsenic	2A	30	30	0	3.39	mg/kg	0.560	mg/kg	Y	0.165
BIST007	MB011F0704	Gulf killifish	Whole Body	Arsenic	1	10	10	0	2.63	mg/kg	0.150	mg/kg	Y	0.0570
BIST007	MB011F0702	Gulf killifish	Whole Body	Arsenic	1	10	10	0	2.63	mg/kg	0.170	mg/kg	Y	0.0646
BIST007	MB011F0706	Gulf killifish	Whole Body	Arsenic	1	10	10	0	2.63	mg/kg	0.160	mg/kg	Y	0.0608
BIST007	MB011F0703	Gulf killifish	Whole Body	Arsenic	1	10	10	0	2.63	mg/kg	0.180	mg/kg	Y	0.0684
BIST007	MB011F0708	Gulf killifish	Whole Body	Arsenic	1	10	10	0	2.63	mg/kg	0.200	mg/kg	Y	0.0760
BIST008	MB031F0806	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.44	mg/kg	0.0900	mg/kg	Y	0.0262
BIST008	MB031V0811	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.370	mg/kg	Y	0.110
BIST008	MB031V0818	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.380	mg/kg	Y	0.113
BIST008	MB031F0804	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.44	mg/kg	0.190	mg/kg	Y	0.0553
BIST008	MB031V0802	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.410	mg/kg	Y	0.122
BIST008	MB031V0817	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.400	mg/kg	Y	0.119
BIST008	MB031V0819	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.390	mg/kg	Y	0.116
BIST008	MB031V0810	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.185	mg/kg	N	0.0550
BIST008	MB031V0803	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.260	mg/kg	Y	0.0772
BIST008	MB031F0803	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.44	mg/kg	0.160	mg/kg	Y	0.0466
BIST008	MB031V0816	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.350	mg/kg	Y	0.104
BIST008	MB031V0808	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.185	mg/kg	N	0.0550
BIST008	MB031V0812	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.400	mg/kg	Y	0.119
BIST008	MB031F0811	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.44	mg/kg	0.210	mg/kg	Y	0.0611
BIST008	MB031V0813	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.420	mg/kg	Y	0.125
BIST008	MB031V0801	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.420	mg/kg	Y	0.125
BIST008	MB031V0807	Shrimp	Shellfish	Arsenic	I 2A	44	44	0	3.37	mg/kg	0.370	mg/kg	Y	0.110
BIST008	MB031F0805	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.44	mg/kg	0.140	mg/kg	Y	0.0408
BIST010	MB031F1004	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.39	mg/kg	0.910	mg/kg	Y	0.269
BIST010	MB031F1009	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.39	mg/kg	0.160	mg/kg	Y	0.0472
BIST010	MB031F1001	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.39	mg/kg	0.0300	mg/kg	N	0.00885
BIST010	MB031F1013	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.39	mg/kg	0.140	mg/kg	Y	0.0413
BIST010	MB031F1006	Gulf killifish	Whole Body	Arsenic	1	17	17	0	3.39	mg/kg	0.0800	mg/kg	Y	0.0236
BIST011	LB011F1101	Gulf killifish	Whole Body	Arsenic	1	23	23	0	3.77	mg/kg	0.180	mg/kg	Y	0.0478
BIST011	LB011F1103	Gulf killifish	Whole Body	Arsenic	1	23	23	0	3.77	mg/kg	0.180	mg/kg	Y	0.0478
BIST011	LB011F1105	Gulf killifish	Whole Body	Arsenic	1	23	23	0	3.77	mg/kg	0.210	mg/kg	Y	0.0558

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST012	LB011F1204	Gulf killifish	Whole Body	Arsenic	1	25	25	0	3.71	mg/kg	0.180	mg/kg	Y	0.0485
BIST012	LB011F1201	Gulf killifish	Whole Body	Arsenic	1	25	25	0	3.71	mg/kg	0.220	mg/kg	Y	0.0593
BIST012	LB011F1202	Gulf killifish	Whole Body	Arsenic	1	25	25	0	3.71	mg/kg	0.190	mg/kg	Y	0.0512
BIST013	LB011F1305	Gulf killifish	Whole Body	Arsenic	1	26	26	0	3.65	mg/kg	0.260	mg/kg	Y	0.0712
BIST013	LB011F1302	Gulf killifish	Whole Body	Arsenic	1	26	26	0	3.65	mg/kg	0.240	mg/kg	Y	0.0658
BIST013	LB011F1301	Gulf killifish	Whole Body	Arsenic	1	26	26	0	3.65	mg/kg	0.240	mg/kg	Y	0.0658
BIST015	LB031F1504	Gulf killifish	Whole Body	Arsenic	1	31	28	3	3.95	mg/kg	0.210	mg/kg	Y	0.0532
BIST015	LB032F1506	Spot	Whole Body	Arsenic	2B	3	3	0	5.37	mg/kg	0.480	mg/kg	Y	0.0894
BIST015	LB031F1502	Gulf killifish	Whole Body	Arsenic	1	31	28	3	3.95	mg/kg	0.230	mg/kg	Y	0.0583
BIST015	LB032F1501	Gulf menhaden	Whole Body	Arsenic	2A	111	97	14	3.63	mg/kg	0.520	mg/kg	Y	0.143
BIST015	LB031F1506	Gulf killifish	Whole Body	Arsenic	1	31	28	3	3.95	mg/kg	0.240	mg/kg	Y	0.0608
BIST015	LB032F1505	Gulf menhaden	Whole Body	Arsenic	2A	111	97	14	3.63	mg/kg	0.430	mg/kg	Y	0.118
BIST015	LB032F1502	Gulf menhaden	Whole Body	Arsenic	2A	111	97	14	3.63	mg/kg	0.400	mg/kg	Y	0.110
BIST015	LB032F1503	Threadfin shad	Whole Body	Arsenic	2A	111	97	14	3.63	mg/kg	0.410	mg/kg	Y	0.113
BIST015	LB032F1504	Spot	Whole Body	Arsenic	2B	3	3	0	5.37	mg/kg	0.310	mg/kg	Y	0.0578
BIST015	LB033F1517	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.740	mg/kg	Y	0.204
BIST015	LB033F1510	Striped mullet	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.390	mg/kg	Y	0.110
BIST015	LB033F1508	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.830	mg/kg	Y	0.229
BIST015	LB033F1513	Striped mullet	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.390	mg/kg	Y	0.110
BIST015	LB034F1506	Atlantic croaker	Whole Body	Arsenic	3B	111	97	14	3.63	mg/kg	0.370	mg/kg	Y	0.102
BIST015	LB034F1501	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.290	mg/kg	Y	0.0815
BIST015	LB033F1501	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.550	mg/kg	Y	0.151
BIST015	LB033F1518	Gulf menhaden	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.800	mg/kg	Y	0.220
BIST015	LB034F1504	Spotted seatrout	Whole Body	Arsenic	3B	111	97	14	3.63	mg/kg	0.180	mg/kg	Y	0.0496
BIST015	LB032F1508	Threadfin shad	Whole Body	Arsenic	2A	111	97	14	3.63	mg/kg		mg/kg	N	
BIST015	LB034F1505	Spotted seatrout	Whole Body	Arsenic	3B	111	97	14	3.63	mg/kg	0.150	mg/kg	Y	0.0413
BIST015	LB032F1507	Gulf menhaden	Whole Body	Arsenic	2A	111	97	14	3.63	mg/kg	0.640	mg/kg	Y	0.176
BIST015	LB033F1511	Striped mullet	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.460	mg/kg	Y	0.129
BIST015	LB033F1505	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.500	mg/kg	Y	0.138
BIST015	LB033F1509	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.460	mg/kg	Y	0.127
BIST015	LB033F1506	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.330	mg/kg	Y	0.0909
BIST015	LB034F1503	Spotted seatrout	Whole Body	Arsenic	3B	111	97	14	3.63	mg/kg	0.190	mg/kg	Y	0.0523
BIST015	LB033F1502	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.560	mg/kg	Y	0.154
BIST015	LB033F1515	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.720	mg/kg	Y	0.198
BIST015	LB033F1503	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.450	mg/kg	Y	0.124
BIST015	LB033F1514	Striped mullet	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.380	mg/kg	Y	0.107
BIST015	LB033F1512	Striped mullet	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.380	mg/kg	Y	0.107
BIST015	LB034F1502	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.170	mg/kg	Y	0.0478
BIST015	LB033F1507	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.650	mg/kg	Y	0.179
BIST015	LB033F1516	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.830	mg/kg	Y	0.229
BIST015	LB033F1504	Striped mullet	Whole Body	Arsenic	3A	111	97	14	3.63	mg/kg	0.390	mg/kg	Y	0.107
BIST016	LB031F1610	Gulf killifish	Whole Body	Arsenic	1	42	36	6	3.58	mg/kg	0.250	mg/kg	Y	0.0698
BIST016	LB031F1602	Gulf killifish	Whole Body	Arsenic	1	42	36	6	3.58	mg/kg	0.240	mg/kg	Y	0.0670
BIST016	LB031F1601	Gulf killifish	Whole Body	Arsenic	1	42	36	6	3.58	mg/kg	0.240	mg/kg	Y	0.0670
BIST017	LB031A1752	Mussels	Shellfish	Arsenic	I 1A	1	1	0	5.00	mg/kg	0.430	mg/kg	Y	0.0860
BIST017	LB031F1702	Gulf killifish	Whole Body	Arsenic	1	15	15	0	4.72	mg/kg	0.200	mg/kg	Y	0.0424
BIST017	LB031A1754	Mussels	Shellfish	Arsenic	I 1A	1	1	0	5.00	mg/kg	0.270	mg/kg	Y	0.0540
BIST017	LB031F1704	Gulf killifish	Whole Body	Arsenic	1	15	15	0	4.72	mg/kg	0.290	mg/kg	Y	0.0614
BIST017	LB031A1753	Mussels	Shellfish	Arsenic	I 1A	1	1	0	5.00	mg/kg	0.610	mg/kg	Y	0.122
BIST017	LB031F1703	Gulf killifish	Whole Body	Arsenic	1	15	15	0	4.72	mg/kg	0.210	mg/kg	Y	0.0445

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST019	LB061F1903	Gulf killifish	Whole Body	Arsenic	1	33	27	6	3.21	mg/kg	0.260	mg/kg	Y	0.0811
BIST019	LB061F1902	Gulf killifish	Whole Body	Arsenic	1	33	27	6	3.21	mg/kg	0.220	mg/kg	Y	0.0686
BIST019	LB061F1901	Gulf killifish	Whole Body	Arsenic	1	33	27	6	3.21	mg/kg	0.240	mg/kg	Y	0.0749
BIST021	LB094F2120	Spotted seatrout	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.240	mg/kg	Y	0.0674
BIST021	LB093F2106	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.180	mg/kg	Y	0.0506
BIST021	LB094F2107	Atlantic croaker	Whole Body	Arsenic	3B	62	47	15	3.16	mg/kg	0.380	mg/kg	Y	0.120
BIST021	LB093F2102	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.310	mg/kg	Y	0.0871
BIST021	LB093F2107	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.460	mg/kg	Y	0.129
BIST021	LB094F2151	Spotted seatrout	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.150	mg/kg	Y	0.0422
BIST021	LB094F2141	Pinfish	Whole Body	Arsenic	3B	62	47	15	3.16	mg/kg	0.590	mg/kg	Y	0.187
BIST021	LB093F2101	Striped mullet	Whole Body	Arsenic	3A	62	47	15	3.16	mg/kg	0.400	mg/kg	Y	0.127
BIST021	LB093F2103	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.200	mg/kg	Y	0.0562
BIST021	LB094F2134	Pinfish	Whole Body	Arsenic	3B	62	47	15	3.16	mg/kg	0.690	mg/kg	Y	0.218
BIST021	LB094F2118	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.340	mg/kg	Y	0.0956
BIST021	LB093F2104	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.320	mg/kg	Y	0.0899
BIST021	LB094F2104	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.230	mg/kg	Y	0.0646
BIST021	LB094F2103	Red drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.360	mg/kg	Y	0.101
BIST021	LB093F2105	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.200	mg/kg	Y	0.0562
BIST021	LB094F2124	Spotted seatrout	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.230	mg/kg	Y	0.0646
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.190	mg/kg	Y	0.123
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.190	mg/kg	Y	0.123
BIST021	LB094F2101	Spotted seatrout	Whole Body	Arsenic	3B	62	47	15	3.16	mg/kg	0.200	mg/kg	Y	0.0633
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.200	mg/kg	Y	0.129
BIST021	LB093F2108	Gizzard shad	Whole Body	Arsenic	4A	235	218	17	3.56	mg/kg	0.260	mg/kg	Y	0.0731
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.136
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.136
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.210	mg/kg	Y	0.136
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.00500	mg/kg	N	0.00323
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.140	mg/kg	Y	0.0905
BIST021	LB094F2122	Spotted seatrout	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.290	mg/kg	Y	0.0815
BIST021	LB094F2115	Black Drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.600	mg/kg	Y	0.169
BIST021	LB094F2121	Spotted seatrout	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.380	mg/kg	Y	0.107
BIST024	LB131F2402	Gulf killifish	Whole Body	Arsenic	1	43	41	2	3.57	mg/kg	0.340	mg/kg	Y	0.0953
BIST024	LB131F2406	Gulf killifish	Whole Body	Arsenic	1	43	41	2	3.57	mg/kg	0.280	mg/kg	Y	0.0785
BIST024	LB131F2408	Gulf killifish	Whole Body	Arsenic	1	43	41	2	3.57	mg/kg	0.340	mg/kg	Y	0.0953
BIST025	LB131F2501	Gulf killifish	Whole Body	Arsenic	1	41	40	1	3.78	mg/kg	0.260	mg/kg	Y	0.0688
BIST025	LB131F2502	Gulf killifish	Whole Body	Arsenic	1	41	40	1	3.78	mg/kg	0.220	mg/kg	Y	0.0582
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Arsenic	1	41	40	1	3.78	mg/kg	0.240	mg/kg	Y	0.0635
BIST025	LB132F2503	Spot	Whole Body	Arsenic	2B	1	1	0	2.50	mg/kg	0.200	mg/kg	Y	0.0800
BIST025	LB132F2502	Gulf menhaden	Whole Body	Arsenic	2A	102	91	11	3.60	mg/kg	0.500	mg/kg	Y	0.139
BIST025	LB132F2501	Gulf menhaden	Whole Body	Arsenic	2A	102	91	11	3.60	mg/kg	0.390	mg/kg	Y	0.108
BIST026	LB131F2604	Gulf killifish	Whole Body	Arsenic	1	34	33	1	3.76	mg/kg	0.250	mg/kg	Y	0.0664
BIST026	LB131F2601	Gulf killifish	Whole Body	Arsenic	1	34	33	1	3.76	mg/kg	0.280	mg/kg	Y	0.0744
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Arsenic	1	22	22	0	3.73	mg/kg	0.160	mg/kg	Y	0.0429
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Arsenic	1	22	22	0	3.73	mg/kg	0.160	mg/kg	Y	0.0429
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Arsenic	1	22	22	0	3.73	mg/kg	0.170	mg/kg	Y	0.0456
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Arsenic	1	20	20	0	4.10	mg/kg	0.160	mg/kg	Y	0.0390
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Arsenic	1	20	20	0	4.10	mg/kg	0.150	mg/kg	Y	0.0366
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Arsenic	1	20	20	0	4.10	mg/kg	0.150	mg/kg	Y	0.0366
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Arsenic	1	21	21	0	3.96	mg/kg	0.220	mg/kg	Y	0.0555

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Arsenic	1	21	21	0	3.96	mg/kg	0.240	mg/kg	Y	0.0606
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Arsenic	1	21	21	0	3.96	mg/kg	0.230	mg/kg	Y	0.0581
BISTC01	BAYD4C0103	Blue crab	Shellfish	Arsenic	I 2B	61	48	13	3.20	mg/kg	0.480	mg/kg	Y	0.150
BISTC01	BAYD4C0101	Blue crab	Shellfish	Arsenic	I 2B	61	48	13	3.20	mg/kg	0.360	mg/kg	Y	0.112
BISTC02	BAYD4C0205	Blue crab	Shellfish	Arsenic	I 2B	68	55	13	3.22	mg/kg	0.290	mg/kg	Y	0.0900
BISTC02	BAYD4C0203	Blue crab	Shellfish	Arsenic	I 2B	68	55	13	3.22	mg/kg	0.390	mg/kg	Y	0.121
BISTC02	BAYD4C0201	Blue crab	Shellfish	Arsenic	I 2B	68	55	13	3.22	mg/kg	0.380	mg/kg	Y	0.118
BISTC03	BAYD4C0302	Blue crab	Shellfish	Arsenic	I 2B	93	79	14	3.45	mg/kg	0.280	mg/kg	Y	0.0811
BISTC05	BAYD4C0502	Blue crab	Shellfish	Arsenic	I 2B	95	93	2	3.76	mg/kg	0.250	mg/kg	Y	0.0665
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Arsenic	2A	69	69	0	3.53	mg/kg	0.375	mg/kg	N	0.106
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Arsenic	I 2B	69	69	0	3.58	mg/kg	0.310	mg/kg	N	0.0866
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Arsenic	3B	69	69	0	3.58	mg/kg	0.430	mg/kg	Y	0.276
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.650	mg/kg	Y	0.420
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Arsenic	3B	71	71	0	3.62	mg/kg	0.640	mg/kg	Y	0.406
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.380	mg/kg	N	0.246
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Arsenic	3B	104	94	10	3.67	mg/kg	0.500	mg/kg	N	0.136
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Arsenic	3B	104	94	10	3.67	mg/kg	0.325	mg/kg	N	0.0886
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Arsenic	3B	104	94	10	3.67	mg/kg	0.500	mg/kg	Y	0.136
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Arsenic	4B	235	218	17	3.56	mg/kg	0.450	mg/kg	Y	0.126
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Arsenic	3B	104	93	11	3.64	mg/kg	0.570	mg/kg	Y	0.157
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Arsenic	I 1A	1	1	0	2.70	mg/kg	0.415	mg/kg	N	0.154
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.840	mg/kg	Y	0.543
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Arsenic	3B	94	81	13	3.53	mg/kg	0.430	mg/kg	Y	0.280
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Arsenic	4B	235	218	17	3.56	mg/kg	0.550	mg/kg	Y	0.356
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Arsenic	3B	94	81	13	3.53	mg/kg	1.70	mg/kg	N	1.11
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Arsenic	I 1B	2	2	0	3.65	mg/kg	0.400	mg/kg	N	0.110
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Arsenic	I 1A	1	1	0	2.20	mg/kg	0.465	mg/kg	N	0.211
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Arsenic	I 1A	1	1	0	2.20	mg/kg	0.475	mg/kg	N	0.216
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Arsenic	I 1A	1	1	0	4.10	mg/kg	0.490	mg/kg	N	0.120
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Arsenic	I 1A	1	1	0	4.10	mg/kg	0.435	mg/kg	N	0.106
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Arsenic	I 1A	1	1	0	2.20	mg/kg	0.475	mg/kg	N	0.216
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Arsenic	I 1B	1	1	0	4.00	mg/kg	0.890	mg/kg	Y	0.223
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Arsenic	I 1B	1	1	0	5.30	mg/kg	0.800	mg/kg	Y	0.151
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Arsenic	I 1B	3	3	0	4.23	mg/kg	1.00	mg/kg	Y	0.236
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Arsenic	I 1B	3	3	0	2.83	mg/kg	0.810	mg/kg	Y	0.286
BIST004	UB041F0404	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	1	14	780	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0401	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	1	14	780	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0402	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	1	14	780	ug/kg	20.0	ug/kg	N	0.0257
BIST005	UB054F0501	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	20.0	ug/kg	N	0.0192
BIST005	UB054F0506	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	34	6	28	599	ug/kg	25.0	ug/kg	N	0.0417
BIST005	UB054F0507	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	34	6	28	599	ug/kg	25.0	ug/kg	N	0.0417
BIST005	UB054F0516	Skipjack herring	Whole Body	Benzo(a)anthracene	3A	34	6	28	599	ug/kg	25.0	ug/kg	N	0.0417
BIST005	UB054F0515	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0515	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	100.0	ug/kg	N	0.140
BIST005	UB051F0511	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279
BIST005	UB051F0516	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	40.0	ug/kg	N	0.0559
BIST005	UB051F0510	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279
BIST005	UB051F0509	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279
BIST005	UB052F0501	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	34	6	28	599	ug/kg	100.0	ug/kg	N	0.167
BIST005	UB051F0508	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0501	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	40.0	ug/kg	N	0.0559
BIST005	UB051F0525	Sailfin molly	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	60.0	ug/kg	N	0.0838
BIST005	UB054F0505	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	34	6	28	599	ug/kg	25.0	ug/kg	N	0.0417
BIST005	UB051F0504	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	40.0	ug/kg	N	0.0559
BIST005	UB051F0512	Sailfin molly	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	80.0	ug/kg	N	0.112
BIST005	UB054F0514	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	20.0	ug/kg	N	0.0192
BIST005	UB054F0502	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279
BIST005	UB051F0520	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	40.0	ug/kg	N	0.0559
BIST005	UB054F0511	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	34	6	28	599	ug/kg	25.0	ug/kg	N	0.0417
BIST005	UB054F0504	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0502	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279
BIST005	UB054F0508	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	34	6	28	599	ug/kg	25.0	ug/kg	N	0.0417
BIST005	UB051F0518	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	20.0	ug/kg	N	0.0279
BIST005	UB054F0503	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0503	Gulf killifish	Whole Body	Benzo(a)anthracene	1	13	4	9	716	ug/kg	40.0	ug/kg	N	0.0559
BIST006	MB014F0604	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB014F0628	White mullet	Whole Body	Benzo(a)anthracene	3A	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB011F0605	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	4	11	338	ug/kg	100.0	ug/kg	N	0.296
BIST006	MB014F0608	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB012F0602	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	60.0	ug/kg	N	0.0917
BIST006	MB012F0609	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	160	ug/kg	N	0.245
BIST006	MB014F0601	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0603	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	40.0	ug/kg	N	0.0611
BIST006	MB012F0601	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	80.0	ug/kg	N	0.122
BIST006	MB012F0611	Spot	Whole Body	Benzo(a)anthracene	2B	3	1	2	297	ug/kg	60.0	ug/kg	N	0.202
BIST006	MB014F0630	Sand seatrout	Whole Body	Benzo(a)anthracene	3B	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB014F0612	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB014F0615	Sand seatrout	Whole Body	Benzo(a)anthracene	3B	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB014F0605	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB011F0607	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	4	11	338	ug/kg	200	ug/kg	N	0.592
BIST006	MB014F0602	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB011F0615	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	4	11	338	ug/kg	200	ug/kg	N	0.592
BIST006	MB011F0616	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	4	11	338	ug/kg	100.0	ug/kg	N	0.296
BIST006	MB011F0624	Gulf killifish	Whole Body	Benzo(a)anthracene	1	15	4	11	338	ug/kg	100.0	ug/kg	N	0.296
BIST006	MB014F0603	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	32	5	27	654	ug/kg	25.0	ug/kg	N	0.0382
BIST006	MB012F0613	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	20.0	ug/kg	N	0.0306
BIST006	MB012F0610	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	60.0	ug/kg	N	0.0917
BIST006	MB012F0619	Spot	Whole Body	Benzo(a)anthracene	2B	3	1	2	297	ug/kg	60.0	ug/kg	N	0.202
BIST006	MB012F0607	Spot	Whole Body	Benzo(a)anthracene	2B	3	1	2	297	ug/kg	80.0	ug/kg	N	0.269
BIST006	MB012F0606	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	32	5	27	654	ug/kg	60.0	ug/kg	N	0.0917
BIST007	MB011F0704	Gulf killifish	Whole Body	Benzo(a)anthracene	1	12	5	7	317	ug/kg	100.0	ug/kg	N	0.315
BIST007	MB011F0706	Gulf killifish	Whole Body	Benzo(a)anthracene	1	12	5	7	317	ug/kg	100.0	ug/kg	N	0.315
BIST007	MB011F0708	Gulf killifish	Whole Body	Benzo(a)anthracene	1	12	5	7	317	ug/kg	100.0	ug/kg	N	0.315
BIST007	MB011F0703	Gulf killifish	Whole Body	Benzo(a)anthracene	1	12	5	7	317	ug/kg	100.0	ug/kg	N	0.315
BIST007	MB011F0702	Gulf killifish	Whole Body	Benzo(a)anthracene	1	12	5	7	317	ug/kg	100.0	ug/kg	N	0.315
BIST008	MB031V0817	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0816	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0813	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	200	ug/kg	N	0.339
BIST008	MB031V0803	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	200	ug/kg	N	0.339

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0801	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	200	ug/kg	N	0.339
BIST008	MB031V0812	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0811	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0819	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0807	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0808	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0810	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	20.0	ug/kg	N	0.0339
BIST008	MB031V0802	Shrimp	Shellfish	Benzo(a)anthracene	I 2A	47	4	43	589	ug/kg	40.0	ug/kg	N	0.0679
BIST008	MB031F0811	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	549	ug/kg	100.0	ug/kg	N	0.182
BIST008	MB031F0803	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	549	ug/kg	100.0	ug/kg	N	0.182
BIST008	MB031F0806	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	549	ug/kg	100.0	ug/kg	N	0.182
BIST008	MB031F0805	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	549	ug/kg	100.0	ug/kg	N	0.182
BIST010	MB031F1013	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	543	ug/kg	100.0	ug/kg	N	0.184
BIST010	MB031F1006	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	543	ug/kg	100.0	ug/kg	N	0.184
BIST010	MB031F1004	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	543	ug/kg	100.0	ug/kg	N	0.184
BIST010	MB031F1009	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	543	ug/kg	100.0	ug/kg	N	0.184
BIST010	MB031F1001	Gulf killifish	Whole Body	Benzo(a)anthracene	1	20	4	16	543	ug/kg	100.0	ug/kg	N	0.184
BIST011	LB011F1103	Gulf killifish	Whole Body	Benzo(a)anthracene	1	29	7	22	545	ug/kg	200	ug/kg	N	0.367
BIST011	LB011F1101	Gulf killifish	Whole Body	Benzo(a)anthracene	1	29	7	22	545	ug/kg	200	ug/kg	N	0.367
BIST011	LB011F1105	Gulf killifish	Whole Body	Benzo(a)anthracene	1	29	7	22	545	ug/kg	200	ug/kg	N	0.367
BIST012	LB011F1204	Gulf killifish	Whole Body	Benzo(a)anthracene	1	33	9	24	560	ug/kg	20.0	ug/kg	N	0.0357
BIST012	LB011F1202	Gulf killifish	Whole Body	Benzo(a)anthracene	1	33	9	24	560	ug/kg	100.0	ug/kg	N	0.179
BIST012	LB011F1201	Gulf killifish	Whole Body	Benzo(a)anthracene	1	33	9	24	560	ug/kg	200	ug/kg	N	0.357
BIST013	LB011F1305	Gulf killifish	Whole Body	Benzo(a)anthracene	1	34	10	24	490	ug/kg	100.0	ug/kg	N	0.204
BIST013	LB011F1302	Gulf killifish	Whole Body	Benzo(a)anthracene	1	34	10	24	490	ug/kg	40.0	ug/kg	N	0.0816
BIST013	LB011F1301	Gulf killifish	Whole Body	Benzo(a)anthracene	1	34	10	24	490	ug/kg	100.0	ug/kg	N	0.204
BIST015	LB032F1501	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	129	25	104	1510	ug/kg	80.0	ug/kg	N	0.0529
BIST015	LB032F1505	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	129	25	104	1510	ug/kg	60.0	ug/kg	N	0.0397
BIST015	LB032F1503	Threadfin shad	Whole Body	Benzo(a)anthracene	2A	129	25	104	1510	ug/kg	80.0	ug/kg	N	0.0529
BIST015	LB031F1506	Gulf killifish	Whole Body	Benzo(a)anthracene	1	40	9	31	3710	ug/kg	100.0	ug/kg	N	0.0269
BIST015	LB032F1506	Spot	Whole Body	Benzo(a)anthracene	2B	4	2	2	2450	ug/kg	40.0	ug/kg	N	0.0163
BIST015	LB031F1504	Gulf killifish	Whole Body	Benzo(a)anthracene	1	40	9	31	3710	ug/kg	200	ug/kg	N	0.0539
BIST015	LB031F1502	Gulf killifish	Whole Body	Benzo(a)anthracene	1	40	9	31	3710	ug/kg	100.0	ug/kg	N	0.0269
BIST015	LB033F1512	Striped mullet	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1501	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1508	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1506	Atlantic croaker	Whole Body	Benzo(a)anthracene	3B	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1511	Striped mullet	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB032F1507	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	129	25	104	1510	ug/kg	40.0	ug/kg	N	0.0264
BIST015	LB033F1505	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1515	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1506	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1505	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1518	Gulf menhaden	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1502	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1509	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1510	Striped mullet	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1503	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1501	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1502	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1513	Striped mullet	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1504	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1507	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1504	Spotted seatrout	Whole Body	Benzo(a)anthracene	3B	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1514	Striped mullet	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1517	Striped mullet	Whole Body	Benzo(a)anthracene	3A	129	25	104	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST016	LB031F1610	Gulf killifish	Whole Body	Benzo(a)anthracene	1	53	14	39	2940	ug/kg	20.0	ug/kg	N	0.00680
BIST016	LB031F1602	Gulf killifish	Whole Body	Benzo(a)anthracene	1	53	14	39	2940	ug/kg	20.0	ug/kg	N	0.00680
BIST016	LB031F1601	Gulf killifish	Whole Body	Benzo(a)anthracene	1	53	14	39	2940	ug/kg	200	ug/kg	N	0.0680
BIST017	LB031A1752	Mussels	Shellfish	Benzo(a)anthracene	I 1A	1	1	0	4850	ug/kg	100.0	ug/kg	N	0.0206
BIST017	LB031F1704	Gulf killifish	Whole Body	Benzo(a)anthracene	1	19	4	15	6960	ug/kg	40.0	ug/kg	N	0.00575
BIST017	LB031F1703	Gulf killifish	Whole Body	Benzo(a)anthracene	1	19	4	15	6960	ug/kg	60.0	ug/kg	N	0.00862
BIST017	LB031F1702	Gulf killifish	Whole Body	Benzo(a)anthracene	1	19	4	15	6960	ug/kg	500	ug/kg	N	0.0718
BIST017	LB031A1754	Mussels	Shellfish	Benzo(a)anthracene	I 1A	1	1	0	4850	ug/kg	100.0	ug/kg	N	0.0206
BIST017	LB031A1753	Mussels	Shellfish	Benzo(a)anthracene	I 1A	1	1	0	4850	ug/kg	100.0	ug/kg	N	0.0206
BIST019	LB061F1901	Gulf killifish	Whole Body	Benzo(a)anthracene	1	40	10	30	650	ug/kg	20.0	ug/kg	N	0.0308
BIST019	LB061F1903	Gulf killifish	Whole Body	Benzo(a)anthracene	1	40	10	30	650	ug/kg	20.0	ug/kg	N	0.0308
BIST019	LB061F1902	Gulf killifish	Whole Body	Benzo(a)anthracene	1	40	10	30	650	ug/kg	200	ug/kg	N	0.308
BIST021	LB094F2103	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2104	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2104	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2134	Pinfish	Whole Body	Benzo(a)anthracene	3B	68	10	58	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB094F2107	Atlantic croaker	Whole Body	Benzo(a)anthracene	3B	68	10	58	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB094F2141	Pinfish	Whole Body	Benzo(a)anthracene	3B	68	10	58	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB093F2105	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2124	Spotted seatrout	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2106	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2103	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2121	Spotted seatrout	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2102	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2120	Spotted seatrout	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2118	Red drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2122	Spotted seatrout	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2108	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2107	Gizzard shad	Whole Body	Benzo(a)anthracene	4A	260	39	221	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2101	Striped mullet	Whole Body	Benzo(a)anthracene	3A	68	10	58	625	ug/kg	25.0	ug/kg	N	0.0400
BIST024	LB131F2402	Gulf killifish	Whole Body	Benzo(a)anthracene	1	48	8	40	524	ug/kg	100.0	ug/kg	N	0.191
BIST024	LB131F2408	Gulf killifish	Whole Body	Benzo(a)anthracene	1	48	8	40	524	ug/kg	200	ug/kg	N	0.381
BIST024	LB131F2406	Gulf killifish	Whole Body	Benzo(a)anthracene	1	48	8	40	524	ug/kg	200	ug/kg	N	0.381
BIST025	LB132F2502	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	121	24	97	1580	ug/kg	20.0	ug/kg	N	0.0126
BIST025	LB132F2501	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	121	24	97	1580	ug/kg	80.0	ug/kg	N	0.0505
BIST025	LB131F2502	Gulf killifish	Whole Body	Benzo(a)anthracene	1	49	10	39	709	ug/kg	200	ug/kg	N	0.282
BIST025	LB132F2503	Spot	Whole Body	Benzo(a)anthracene	2B	2	2	0	102	ug/kg	60.0	ug/kg	N	0.591
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Benzo(a)anthracene	1	49	10	39	709	ug/kg	400	ug/kg	N	0.564
BIST026	LB131F2601	Gulf killifish	Whole Body	Benzo(a)anthracene	1	46	15	31	719	ug/kg	40.0	ug/kg	N	0.0556
BIST026	LB131F2604	Gulf killifish	Whole Body	Benzo(a)anthracene	1	46	15	31	719	ug/kg	100.0	ug/kg	N	0.139
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Benzo(a)anthracene	1	29	9	20	507	ug/kg	40.0	ug/kg	N	0.0789
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Benzo(a)anthracene	1	29	9	20	507	ug/kg	200	ug/kg	N	0.395
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Benzo(a)anthracene	1	29	9	20	507	ug/kg	200	ug/kg	N	0.395
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Benzo(a)anthracene	1	28	10	18	4010	ug/kg	100.0	ug/kg	N	0.0250

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Benzo(a)anthracene	1	28	10	18	4010	ug/kg	200	ug/kg	N	0.0499
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Benzo(a)anthracene	1	28	10	18	4010	ug/kg	40.0	ug/kg	N	0.00998
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Benzo(a)anthracene	1	28	10	18	567	ug/kg	200	ug/kg	N	0.353
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Benzo(a)anthracene	1	28	10	18	567	ug/kg	200	ug/kg	N	0.353
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Benzo(a)anthracene	1	28	10	18	567	ug/kg	20.0	ug/kg	N	0.0353
BISTC01	BAYD4C0101	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	68	11	57	609	ug/kg	20.0	ug/kg	N	0.0328
BISTC01	BAYD4C0103	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	68	11	57	609	ug/kg	20.0	ug/kg	N	0.0328
BISTC02	BAYD4C0203	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	75	11	64	600	ug/kg	20.0	ug/kg	N	0.0333
BISTC02	BAYD4C0201	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	75	11	64	600	ug/kg	20.0	ug/kg	N	0.0333
BISTC02	BAYD4C0205	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	75	11	64	600	ug/kg	20.0	ug/kg	N	0.0333
BISTC03	BAYD4C0302	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	105	15	90	1760	ug/kg	20.0	ug/kg	N	0.0114
BISTC05	BAYD4C0502	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	112	20	92	1630	ug/kg	20.0	ug/kg	N	0.0122
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Benzo(a)anthracene	2A	75	8	67	541	ug/kg	1000	ug/kg	N	1.85
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Benzo(a)anthracene	I 2B	79	12	67	545	ug/kg	1000	ug/kg	N	1.84
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Benzo(a)anthracene	4B	260	39	221	1040	ug/kg	500	ug/kg	N	0.480
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Benzo(a)anthracene	3B	123	25	98	1550	ug/kg	1000	ug/kg	N	0.644
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Benzo(a)anthracene	3B	123	25	98	1550	ug/kg	500	ug/kg	N	0.322
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Benzo(a)anthracene	3B	123	25	98	1550	ug/kg	1000	ug/kg	N	0.644
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Benzo(a)anthracene	3B	123	25	98	1560	ug/kg	500	ug/kg	N	0.321
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Benzo(a)anthracene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Benzo(a)anthracene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Benzo(a)anthracene	I 1A	1	0	1	285	ug/kg	2.20	ug/kg	Y	0.00772
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Benzo(a)anthracene	I 1A	1	0	1	285	ug/kg	3.30	ug/kg	Y	0.0116
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Benzo(a)anthracene	I 1A	1	0	1	420	ug/kg	1.50	ug/kg	Y	0.00357
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Benzo(a)anthracene	I 1A	1	0	1	420	ug/kg	1.60	ug/kg	Y	0.00381
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Benzo(a)anthracene	I 1A	1	0	1	485	ug/kg	2.60	ug/kg	Y	0.00536
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Benzo(a)anthracene	I 1B	1	0	1	500	ug/kg	0.680	ug/kg	Y	0.00136
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Benzo(a)anthracene	I 1B	1	0	1	550	ug/kg	3.50	ug/kg	Y	0.00636
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Benzo(a)anthracene	I 1B	3	0	3	363	ug/kg	4.40	ug/kg	Y	0.0121
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Benzo(a)anthracene	I 1B	3	1	2	145	ug/kg	2.40	ug/kg	Y	0.0166
BIST004	UB041F0402	Gulf killifish	Whole Body	Benzo(a)pyrene	1	15	1	14	780	ug/kg	20.0	ug/kg	N	0.0256
BIST005	UB054F0501	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	20.0	ug/kg	N	0.0192
BIST005	UB051F0516	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	40.0	ug/kg	N	0.0577
BIST005	UB054F0503	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB054F0511	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	34	6	28	590	ug/kg	25.0	ug/kg	N	0.0423
BIST005	UB054F0515	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0515	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	100.0	ug/kg	N	0.144
BIST005	UB051F0501	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	40.0	ug/kg	N	0.0577
BIST005	UB051F0510	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB054F0504	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST005	UB051F0520	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	40.0	ug/kg	N	0.0577
BIST005	UB051F0504	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	40.0	ug/kg	N	0.0577
BIST005	UB054F0514	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	20.0	ug/kg	N	0.0192
BIST005	UB051F0525	Sailfin molly	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	60.0	ug/kg	N	0.0865
BIST005	UB051F0511	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB051F0518	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB054F0516	Skipjack herring	Whole Body	Benzo(a)pyrene	3A	34	6	28	590	ug/kg	25.0	ug/kg	N	0.0423
BIST005	UB051F0512	Sailfin molly	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	80.0	ug/kg	N	0.115
BIST005	UB052F0501	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	34	6	28	590	ug/kg	100.0	ug/kg	N	0.169
BIST005	UB054F0502	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0502	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB054F0507	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	34	6	28	590	ug/kg	25.0	ug/kg	N	0.0423
BIST005	UB054F0506	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	34	6	28	590	ug/kg	25.0	ug/kg	N	0.0423
BIST005	UB054F0508	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	34	6	28	590	ug/kg	25.0	ug/kg	N	0.0423
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB051F0508	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB051F0509	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	20.0	ug/kg	N	0.0288
BIST005	UB054F0505	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	34	6	28	590	ug/kg	25.0	ug/kg	N	0.0423
BIST005	UB051F0503	Gulf killifish	Whole Body	Benzo(a)pyrene	1	13	4	9	693	ug/kg	40.0	ug/kg	N	0.0577
BIST006	MB014F0603	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB012F0603	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	40.0	ug/kg	N	0.0620
BIST006	MB014F0615	Sand seatrout	Whole Body	Benzo(a)pyrene	3B	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB012F0601	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	80.0	ug/kg	N	0.124
BIST006	MB014F0601	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0610	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	60.0	ug/kg	N	0.0930
BIST006	MB014F0628	White mullet	Whole Body	Benzo(a)pyrene	3A	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB012F0602	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	60.0	ug/kg	N	0.0930
BIST006	MB012F0619	Spot	Whole Body	Benzo(a)pyrene	2B	3	1	2	294	ug/kg	60.0	ug/kg	N	0.204
BIST006	MB014F0630	Sand seatrout	Whole Body	Benzo(a)pyrene	3B	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB011F0615	Gulf killifish	Whole Body	Benzo(a)pyrene	1	15	4	11	333	ug/kg	200	ug/kg	N	0.600
BIST006	MB012F0607	Spot	Whole Body	Benzo(a)pyrene	2B	3	1	2	294	ug/kg	80.0	ug/kg	N	0.272
BIST006	MB011F0607	Gulf killifish	Whole Body	Benzo(a)pyrene	1	15	4	11	333	ug/kg	200	ug/kg	N	0.600
BIST006	MB014F0608	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB014F0612	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB014F0605	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0606	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	60.0	ug/kg	N	0.0930
BIST006	MB014F0604	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	32	5	27	645	ug/kg	25.0	ug/kg	N	0.0388
BIST006	MB014F0602	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST006	MB012F0613	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	20.0	ug/kg	N	0.0310
BIST006	MB012F0609	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	32	5	27	645	ug/kg	160	ug/kg	N	0.248
BIST006	MB012F0611	Spot	Whole Body	Benzo(a)pyrene	2B	3	1	2	294	ug/kg	60.0	ug/kg	N	0.204
BIST007	MB011F0704	Gulf killifish	Whole Body	Benzo(a)pyrene	1	12	5	7	293	ug/kg	200	ug/kg	N	0.683
BIST008	MB031V0813	Shrimp	Shellfish	Benzo(a)pyrene	I 2A	47	4	43	578	ug/kg	200	ug/kg	N	0.346
BIST008	MB031V0816	Shrimp	Shellfish	Benzo(a)pyrene	I 2A	47	4	43	578	ug/kg	20.0	ug/kg	N	0.0346
BIST008	MB031V0812	Shrimp	Shellfish	Benzo(a)pyrene	I 2A	47	4	43	578	ug/kg	2000	ug/kg	N	3.46
BIST008	MB031V0811	Shrimp	Shellfish	Benzo(a)pyrene	I 2A	47	4	43	578	ug/kg	200	ug/kg	N	0.346
BIST008	MB031V0801	Shrimp	Shellfish	Benzo(a)pyrene	I 2A	47	4	43	578	ug/kg	200	ug/kg	N	0.346
BIST011	LB011F1105	Gulf killifish	Whole Body	Benzo(a)pyrene	1	30	7	23	543	ug/kg	200	ug/kg	N	0.368
BIST011	LB011F1103	Gulf killifish	Whole Body	Benzo(a)pyrene	1	30	7	23	543	ug/kg	200	ug/kg	N	0.368
BIST011	LB011F1101	Gulf killifish	Whole Body	Benzo(a)pyrene	1	30	7	23	543	ug/kg	200	ug/kg	N	0.368
BIST012	LB011F1204	Gulf killifish	Whole Body	Benzo(a)pyrene	1	34	9	25	553	ug/kg	20.0	ug/kg	N	0.0362
BIST012	LB011F1201	Gulf killifish	Whole Body	Benzo(a)pyrene	1	34	9	25	553	ug/kg	200	ug/kg	N	0.362
BIST012	LB011F1202	Gulf killifish	Whole Body	Benzo(a)pyrene	1	34	9	25	553	ug/kg	100.0	ug/kg	N	0.181
BIST013	LB011F1301	Gulf killifish	Whole Body	Benzo(a)pyrene	1	35	10	25	487	ug/kg	100.0	ug/kg	N	0.205
BIST013	LB011F1305	Gulf killifish	Whole Body	Benzo(a)pyrene	1	35	10	25	487	ug/kg	100.0	ug/kg	N	0.205
BIST013	LB011F1302	Gulf killifish	Whole Body	Benzo(a)pyrene	1	35	10	25	487	ug/kg	40.0	ug/kg	N	0.0822
BIST015	LB031F1506	Gulf killifish	Whole Body	Benzo(a)pyrene	1	40	7	33	3740	ug/kg	100.0	ug/kg	N	0.0267
BIST015	LB031F1504	Gulf killifish	Whole Body	Benzo(a)pyrene	1	40	7	33	3740	ug/kg	200	ug/kg	N	0.0534
BIST015	LB032F1503	Threadfin shad	Whole Body	Benzo(a)pyrene	2A	130	22	108	1510	ug/kg	80.0	ug/kg	N	0.0528
BIST015	LB032F1505	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	130	22	108	1510	ug/kg	60.0	ug/kg	N	0.0396

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1506	Spot	Whole Body	Benzo(a)pyrene	2B	4	1	3	3320	ug/kg	40.0	ug/kg	N	0.0120
BIST015	LB031F1502	Gulf killifish	Whole Body	Benzo(a)pyrene	1	40	7	33	3740	ug/kg	100.0	ug/kg	N	0.0267
BIST015	LB032F1501	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	130	22	108	1510	ug/kg	80.0	ug/kg	N	0.0528
BIST015	LB032F1507	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	130	22	108	1510	ug/kg	40.0	ug/kg	N	0.0264
BIST015	LB034F1506	Atlantic croaker	Whole Body	Benzo(a)pyrene	3B	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1511	Striped mullet	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1515	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1513	Striped mullet	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1503	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1517	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1506	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1510	Striped mullet	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1508	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1518	Gulf menhaden	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1505	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1502	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1509	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1505	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1507	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB034F1504	Spotted seatrout	Whole Body	Benzo(a)pyrene	3B	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1504	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST015	LB033F1512	Striped mullet	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB034F1501	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST015	LB033F1502	Striped mullet	Whole Body	Benzo(a)pyrene	3A	130	22	108	1510	ug/kg	25.0	ug/kg	N	0.0165
BIST016	LB031F1610	Gulf killifish	Whole Body	Benzo(a)pyrene	1	53	11	42	2960	ug/kg	20.0	ug/kg	N	0.00676
BIST016	LB031F1602	Gulf killifish	Whole Body	Benzo(a)pyrene	1	53	11	42	2960	ug/kg	20.0	ug/kg	N	0.00676
BIST016	LB031F1601	Gulf killifish	Whole Body	Benzo(a)pyrene	1	53	11	42	2960	ug/kg	200	ug/kg	N	0.0676
BIST017	LB031F1703	Gulf killifish	Whole Body	Benzo(a)pyrene	1	19	3	16	7030	ug/kg	60.0	ug/kg	N	0.00853
BIST017	LB031F1704	Gulf killifish	Whole Body	Benzo(a)pyrene	1	19	3	16	7030	ug/kg	40.0	ug/kg	N	0.00569
BIST019	LB061F1902	Gulf killifish	Whole Body	Benzo(a)pyrene	1	40	8	32	643	ug/kg	200	ug/kg	N	0.311
BIST019	LB061F1901	Gulf killifish	Whole Body	Benzo(a)pyrene	1	40	8	32	643	ug/kg	20.0	ug/kg	N	0.0311
BIST019	LB061F1903	Gulf killifish	Whole Body	Benzo(a)pyrene	1	40	8	32	643	ug/kg	20.0	ug/kg	N	0.0311
BIST021	LB093F2107	Gizzard shad	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2141	Pinfish	Whole Body	Benzo(a)pyrene	3B	68	8	60	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB094F2134	Pinfish	Whole Body	Benzo(a)pyrene	3B	68	8	60	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB094F2124	Spotted seatrout	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2122	Spotted seatrout	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2121	Spotted seatrout	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2108	Gizzard shad	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2120	Spotted seatrout	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2104	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2118	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2102	Gizzard shad	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB094F2103	Red drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2105	Gizzard shad	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2106	Gizzard shad	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2104	Gizzard shad	Whole Body	Benzo(a)pyrene	4A	261	35	226	1040	ug/kg	25.0	ug/kg	N	0.0240
BIST021	LB093F2101	Striped mullet	Whole Body	Benzo(a)pyrene	3A	68	8	60	620	ug/kg	25.0	ug/kg	N	0.0403
BIST021	LB094F2107	Atlantic croaker	Whole Body	Benzo(a)pyrene	3B	68	8	60	620	ug/kg	25.0	ug/kg	N	0.0403
BIST024	LB131F2402	Gulf killifish	Whole Body	Benzo(a)pyrene	1	48	6	42	525	ug/kg	100.0	ug/kg	N	0.191

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST024	LB131F2406	Gulf killifish	Whole Body	Benzo(a)pyrene	1	48	6	42	525	ug/kg	200	ug/kg	N	0.381
BIST024	LB131F2408	Gulf killifish	Whole Body	Benzo(a)pyrene	1	48	6	42	525	ug/kg	200	ug/kg	N	0.381
BIST025	LB131F2502	Gulf killifish	Whole Body	Benzo(a)pyrene	1	49	8	41	786	ug/kg	200	ug/kg	N	0.254
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Benzo(a)pyrene	1	49	8	41	786	ug/kg	400	ug/kg	N	0.509
BIST025	LB132F2501	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	122	20	102	1590	ug/kg	80.0	ug/kg	N	0.0504
BIST025	LB132F2503	Spot	Whole Body	Benzo(a)pyrene	2B	2	1	1	268	ug/kg	60.0	ug/kg	N	0.224
BIST025	LB132F2502	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	122	20	102	1590	ug/kg	20.0	ug/kg	N	0.0126
BIST026	LB131F2601	Gulf killifish	Whole Body	Benzo(a)pyrene	1	47	14	33	779	ug/kg	40.0	ug/kg	N	0.0513
BIST026	LB131F2604	Gulf killifish	Whole Body	Benzo(a)pyrene	1	47	14	33	779	ug/kg	100.0	ug/kg	N	0.128
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Benzo(a)pyrene	1	30	9	21	501	ug/kg	200	ug/kg	N	0.399
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Benzo(a)pyrene	1	30	9	21	501	ug/kg	40.0	ug/kg	N	0.0799
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Benzo(a)pyrene	1	30	9	21	501	ug/kg	200	ug/kg	N	0.399
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Benzo(a)pyrene	1	29	9	20	4000	ug/kg	200	ug/kg	N	0.0500
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Benzo(a)pyrene	1	29	9	20	4000	ug/kg	40.0	ug/kg	N	0.0100
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Benzo(a)pyrene	1	29	9	20	684	ug/kg	20.0	ug/kg	N	0.0292
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Benzo(a)pyrene	1	29	9	20	684	ug/kg	200	ug/kg	N	0.292
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Benzo(a)pyrene	1	29	9	20	684	ug/kg	200	ug/kg	N	0.292
BISTC01	BAYD4C0103	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	68	9	59	605	ug/kg	20.0	ug/kg	N	0.0331
BISTC01	BAYD4C0101	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	68	9	59	605	ug/kg	20.0	ug/kg	N	0.0331
BISTC02	BAYD4C0205	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	75	9	66	596	ug/kg	20.0	ug/kg	N	0.0335
BISTC02	BAYD4C0203	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	75	9	66	596	ug/kg	20.0	ug/kg	N	0.0335
BISTC02	BAYD4C0201	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	75	9	66	596	ug/kg	20.0	ug/kg	N	0.0335
BISTC03	BAYD4C0302	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	105	12	93	1770	ug/kg	20.0	ug/kg	N	0.0113
BISTC05	BAYD4C0502	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	113	18	95	1630	ug/kg	20.0	ug/kg	N	0.0123
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Benzo(a)pyrene	2A	76	8	68	538	ug/kg	1000	ug/kg	N	1.86
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Benzo(a)pyrene	I 2B	80	12	68	540	ug/kg	1000	ug/kg	N	1.85
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Benzo(a)pyrene	3B	124	21	103	1560	ug/kg	500	ug/kg	N	0.321
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Benzo(a)pyrene	3B	124	21	103	1560	ug/kg	1000	ug/kg	N	0.643
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Benzo(a)pyrene	4B	261	35	226	1040	ug/kg	500	ug/kg	N	0.481
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Benzo(a)pyrene	3B	124	21	103	1560	ug/kg	1000	ug/kg	N	0.643
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Benzo(a)pyrene	3B	124	21	103	1560	ug/kg	500	ug/kg	N	0.320
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Benzo(a)pyrene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Benzo(a)pyrene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Benzo(a)pyrene	I 1A	1	0	1	285	ug/kg	1.60	ug/kg	Y	0.00561
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Benzo(a)pyrene	I 1A	1	0	1	285	ug/kg	2.10	ug/kg	Y	0.00737
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Benzo(a)pyrene	I 1A	1	0	1	420	ug/kg	1.80	ug/kg	Y	0.00429
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Benzo(a)pyrene	I 1A	1	0	1	420	ug/kg	1.90	ug/kg	Y	0.00452
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Benzo(a)pyrene	I 1A	1	0	1	485	ug/kg	2.20	ug/kg	Y	0.00454
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Benzo(a)pyrene	I 1B	1	0	1	500	ug/kg	0.810	ug/kg	Y	0.00162
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Benzo(a)pyrene	I 1B	1	0	1	550	ug/kg	4.10	ug/kg	Y	0.00745
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Benzo(a)pyrene	I 1B	3	0	3	363	ug/kg	6.50	ug/kg	Y	0.0179
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Benzo(a)pyrene	I 1B	3	1	2	135	ug/kg	2.90	ug/kg	Y	0.0215
BIST004	UB041F0402	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	15	1	14	783	ug/kg	20.0	ug/kg	N	0.0256
BIST005	UB054F0514	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	20.0	ug/kg	N	0.0186
BIST005	UB054F0507	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	34	5	29	640	ug/kg	25.0	ug/kg	N	0.0391
BIST005	UB051F0502	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB054F0506	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	34	5	29	640	ug/kg	25.0	ug/kg	N	0.0391
BIST005	UB054F0505	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	34	5	29	640	ug/kg	25.0	ug/kg	N	0.0391
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0503	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	40.0	ug/kg	N	0.0491

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0501	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB054F0508	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	34	5	29	640	ug/kg	25.0	ug/kg	N	0.0391
BIST005	UB054F0504	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST005	UB054F0502	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST005	UB051F0525	Sailfin molly	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	60.0	ug/kg	N	0.0736
BIST005	UB051F0518	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB054F0501	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	20.0	ug/kg	N	0.0186
BIST005	UB054F0503	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST005	UB051F0520	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB054F0511	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	34	5	29	640	ug/kg	25.0	ug/kg	N	0.0391
BIST005	UB054F0515	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST005	UB052F0501	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	34	5	29	640	ug/kg	100.0	ug/kg	N	0.156
BIST005	UB051F0504	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	40.0	ug/kg	N	0.0491
BIST005	UB054F0516	Skipjack herring	Whole Body	Benzo(b)fluoranthene	3A	34	5	29	640	ug/kg	25.0	ug/kg	N	0.0391
BIST005	UB051F0508	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0515	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	100.0	ug/kg	N	0.123
BIST005	UB051F0512	Sailfin molly	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	80.0	ug/kg	N	0.0982
BIST005	UB051F0510	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0509	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0511	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	20.0	ug/kg	N	0.0245
BIST005	UB051F0516	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	13	3	10	815	ug/kg	40.0	ug/kg	N	0.0491
BIST006	MB014F0608	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB012F0607	Spot	Whole Body	Benzo(b)fluoranthene	2B	3	1	2	316	ug/kg	80.0	ug/kg	N	0.253
BIST006	MB014F0602	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST006	MB012F0601	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	80.0	ug/kg	N	0.115
BIST006	MB014F0604	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB014F0605	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST006	MB012F0613	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	20.0	ug/kg	N	0.0287
BIST006	MB012F0606	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	60.0	ug/kg	N	0.0861
BIST006	MB012F0611	Spot	Whole Body	Benzo(b)fluoranthene	2B	3	1	2	316	ug/kg	60.0	ug/kg	N	0.190
BIST006	MB012F0610	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	60.0	ug/kg	N	0.0861
BIST006	MB012F0609	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	160	ug/kg	N	0.230
BIST006	MB014F0612	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB014F0628	White mullet	Whole Body	Benzo(b)fluoranthene	3A	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB011F0607	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	15	4	11	350	ug/kg	200	ug/kg	N	0.572
BIST006	MB011F0615	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	15	4	11	350	ug/kg	200	ug/kg	N	0.572
BIST006	MB014F0601	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST006	MB014F0630	Sand seatrout	Whole Body	Benzo(b)fluoranthene	3B	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB012F0602	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	60.0	ug/kg	N	0.0861
BIST006	MB014F0603	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB014F0615	Sand seatrout	Whole Body	Benzo(b)fluoranthene	3B	32	4	28	697	ug/kg	25.0	ug/kg	N	0.0359
BIST006	MB012F0619	Spot	Whole Body	Benzo(b)fluoranthene	2B	3	1	2	316	ug/kg	60.0	ug/kg	N	0.190
BIST006	MB012F0603	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	32	4	28	697	ug/kg	40.0	ug/kg	N	0.0574
BIST007	MB011F0704	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	12	4	8	430	ug/kg	200	ug/kg	N	0.465
BIST008	MB031V0812	Shrimp	Shellfish	Benzo(b)fluoranthene	I 2A	47	4	43	595	ug/kg	2000	ug/kg	N	3.36
BIST008	MB031V0816	Shrimp	Shellfish	Benzo(b)fluoranthene	I 2A	47	4	43	595	ug/kg	20.0	ug/kg	N	0.0336
BIST008	MB031V0813	Shrimp	Shellfish	Benzo(b)fluoranthene	I 2A	47	4	43	595	ug/kg	200	ug/kg	N	0.336
BIST008	MB031V0811	Shrimp	Shellfish	Benzo(b)fluoranthene	I 2A	47	4	43	595	ug/kg	200	ug/kg	N	0.336
BIST008	MB031V0801	Shrimp	Shellfish	Benzo(b)fluoranthene	I 2A	47	4	43	595	ug/kg	200	ug/kg	N	0.336
BIST011	LB011F1105	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	7	23	580	ug/kg	200	ug/kg	N	0.345

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST011	LB011F1103	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	7	23	580	ug/kg	200	ug/kg	N	0.345
BIST011	LB011F1101	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	7	23	580	ug/kg	200	ug/kg	N	0.345
BIST012	LB011F1202	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	35	10	25	578	ug/kg	100.0	ug/kg	N	0.173
BIST012	LB011F1204	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	35	10	25	578	ug/kg	20.0	ug/kg	N	0.0346
BIST012	LB011F1201	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	35	10	25	578	ug/kg	200	ug/kg	N	0.346
BIST013	LB011F1305	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	36	11	25	515	ug/kg	100.0	ug/kg	N	0.194
BIST013	LB011F1301	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	36	11	25	515	ug/kg	100.0	ug/kg	N	0.194
BIST013	LB011F1302	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	36	11	25	515	ug/kg	40.0	ug/kg	N	0.0776
BIST015	LB032F1505	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	131	25	106	1550	ug/kg	60.0	ug/kg	N	0.0386
BIST015	LB031F1504	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	41	8	33	3790	ug/kg	200	ug/kg	N	0.0528
BIST015	LB032F1501	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	131	25	106	1550	ug/kg	80.0	ug/kg	N	0.0515
BIST015	LB032F1506	Spot	Whole Body	Benzo(b)fluoranthene	2B	4	1	3	3400	ug/kg	40.0	ug/kg	N	0.0118
BIST015	LB032F1503	Threadfin shad	Whole Body	Benzo(b)fluoranthene	2A	131	25	106	1550	ug/kg	80.0	ug/kg	N	0.0515
BIST015	LB031F1502	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	41	8	33	3790	ug/kg	100.0	ug/kg	N	0.0264
BIST015	LB031F1506	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	41	8	33	3790	ug/kg	100.0	ug/kg	N	0.0264
BIST015	LB033F1509	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1503	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1508	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1505	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1515	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1510	Striped mullet	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST015	LB034F1506	Atlantic croaker	Whole Body	Benzo(b)fluoranthene	3B	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1502	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST015	LB033F1518	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1505	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1501	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST015	LB033F1507	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1512	Striped mullet	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST015	LB033F1504	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1506	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1511	Striped mullet	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST015	LB033F1517	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1504	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	3B	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB032F1507	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	131	25	106	1550	ug/kg	40.0	ug/kg	N	0.0257
BIST015	LB033F1502	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	131	25	106	1550	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1513	Striped mullet	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST016	LB031F1610	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	54	14	40	3010	ug/kg	20.0	ug/kg	N	0.00664
BIST016	LB031F1601	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	54	14	40	3010	ug/kg	200	ug/kg	N	0.0664
BIST016	LB031F1602	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	54	14	40	3010	ug/kg	20.0	ug/kg	N	0.00664
BIST017	LB031F1703	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	19	3	16	7310	ug/kg	60.0	ug/kg	N	0.00821
BIST017	LB031F1704	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	19	3	16	7310	ug/kg	40.0	ug/kg	N	0.00547
BIST019	LB061F1903	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	41	11	30	638	ug/kg	20.0	ug/kg	N	0.0313
BIST019	LB061F1902	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	41	11	30	638	ug/kg	200	ug/kg	N	0.313
BIST019	LB061F1901	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	41	11	30	638	ug/kg	20.0	ug/kg	N	0.0313
BIST021	LB093F2106	Gizzard shad	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB093F2101	Striped mullet	Whole Body	Benzo(b)fluoranthene	3A	68	10	58	622	ug/kg	25.0	ug/kg	N	0.0402
BIST021	LB094F2141	Pinfish	Whole Body	Benzo(b)fluoranthene	3B	68	10	58	622	ug/kg	25.0	ug/kg	N	0.0402
BIST021	LB093F2104	Gizzard shad	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB094F2107	Atlantic croaker	Whole Body	Benzo(b)fluoranthene	3B	68	10	58	622	ug/kg	25.0	ug/kg	N	0.0402
BIST021	LB094F2103	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2134	Pinfish	Whole Body	Benzo(b)fluoranthene	3B	68	10	58	622	ug/kg	25.0	ug/kg	N	0.0402
BIST021	LB094F2120	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB093F2107	Gizzard shad	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB094F2104	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB093F2108	Gizzard shad	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB094F2121	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB094F2122	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB094F2124	Spotted seatrout	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB093F2105	Gizzard shad	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB094F2118	Red drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST021	LB093F2102	Gizzard shad	Whole Body	Benzo(b)fluoranthene	4A	262	38	224	1070	ug/kg	25.0	ug/kg	N	0.0233
BIST024	LB131F2408	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	49	9	40	527	ug/kg	200	ug/kg	N	0.380
BIST024	LB131F2406	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	49	9	40	527	ug/kg	200	ug/kg	N	0.380
BIST024	LB131F2402	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	49	9	40	527	ug/kg	100.0	ug/kg	N	0.190
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Benzo(b)fluoranthene	1	50	10	40	787	ug/kg	400	ug/kg	N	0.508
BIST025	LB132F2501	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	123	23	100	1630	ug/kg	80.0	ug/kg	N	0.0491
BIST025	LB131F2502	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	50	10	40	787	ug/kg	200	ug/kg	N	0.254
BIST025	LB132F2502	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	123	23	100	1630	ug/kg	20.0	ug/kg	N	0.0123
BIST025	LB132F2503	Spot	Whole Body	Benzo(b)fluoranthene	2B	2	2	0	182	ug/kg	60.0	ug/kg	N	0.330
BIST026	LB131F2604	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	48	16	32	805	ug/kg	100.0	ug/kg	N	0.124
BIST026	LB131F2601	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	48	16	32	805	ug/kg	40.0	ug/kg	N	0.0497
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	31	10	21	530	ug/kg	200	ug/kg	N	0.377
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	31	10	21	530	ug/kg	200	ug/kg	N	0.377
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	31	10	21	530	ug/kg	40.0	ug/kg	N	0.0754
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	10	20	3920	ug/kg	200	ug/kg	N	0.0511
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	10	20	3920	ug/kg	40.0	ug/kg	N	0.0102
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	10	20	708	ug/kg	20.0	ug/kg	N	0.0282
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	10	20	708	ug/kg	200	ug/kg	N	0.282
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Benzo(b)fluoranthene	1	30	10	20	708	ug/kg	200	ug/kg	N	0.282
BISTC01	BAYD4C0101	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	68	11	57	609	ug/kg	20.0	ug/kg	N	0.0329
BISTC01	BAYD4C0103	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	68	11	57	609	ug/kg	20.0	ug/kg	N	0.0329
BISTC02	BAYD4C0205	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	76	12	64	595	ug/kg	20.0	ug/kg	N	0.0336
BISTC02	BAYD4C0203	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	76	12	64	595	ug/kg	20.0	ug/kg	N	0.0336
BISTC02	BAYD4C0201	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	76	12	64	595	ug/kg	20.0	ug/kg	N	0.0336
BISTC03	BAYD4C0302	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	106	15	91	1800	ug/kg	20.0	ug/kg	N	0.0111
BISTC05	BAYD4C0502	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	114	20	94	1680	ug/kg	20.0	ug/kg	N	0.0119
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Benzo(b)fluoranthene	2A	77	9	68	549	ug/kg	1000	ug/kg	N	1.82
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Benzo(b)fluoranthene	I 2B	81	13	68	555	ug/kg	1000	ug/kg	N	1.80
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Benzo(b)fluoranthene	3B	125	25	100	1600	ug/kg	500	ug/kg	N	0.313
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Benzo(b)fluoranthene	3B	125	25	100	1600	ug/kg	1000	ug/kg	N	0.627
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Benzo(b)fluoranthene	3B	125	25	100	1600	ug/kg	1000	ug/kg	N	0.627
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Benzo(b)fluoranthene	4B	262	38	224	1070	ug/kg	500	ug/kg	N	0.466
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Benzo(b)fluoranthene	3B	125	25	100	1600	ug/kg	500	ug/kg	N	0.312
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Benzo(b)fluoranthene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Benzo(b)fluoranthene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Benzo(b)fluoranthene	I 1A	1	0	1	285	ug/kg	2.10	ug/kg	Y	0.00737
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Benzo(b)fluoranthene	I 1A	1	0	1	285	ug/kg	2.60	ug/kg	Y	0.00912
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Benzo(b)fluoranthene	I 1A	1	0	1	420	ug/kg	1.70	ug/kg	Y	0.00405
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Benzo(b)fluoranthene	I 1A	1	0	1	420	ug/kg	1.70	ug/kg	Y	0.00405
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Benzo(b)fluoranthene	I 1A	1	0	1	485	ug/kg	2.10	ug/kg	Y	0.00433

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Benzo(b)fluoranthene	I 1B	1	0	1	500	ug/kg	0.620	ug/kg	Y	0.00124
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Benzo(b)fluoranthene	I 1B	1	0	1	550	ug/kg	3.30	ug/kg	Y	0.00600
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Benzo(b)fluoranthene	I 1B	3	0	3	363	ug/kg	5.30	ug/kg	Y	0.0146
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Benzo(b)fluoranthene	I 1B	3	1	2	208	ug/kg	3.00	ug/kg	Y	0.0144
BIST004	UB041F0402	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	15	1	14	780	ug/kg	20.0	ug/kg	N	0.0257
BIST005	UB054F0505	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	34	5	29	629	ug/kg	25.0	ug/kg	N	0.0397
BIST005	UB051F0518	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB051F0501	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	40.0	ug/kg	N	0.0503
BIST005	UB051F0511	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB054F0506	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	34	5	29	629	ug/kg	25.0	ug/kg	N	0.0397
BIST005	UB051F0502	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB051F0508	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB051F0504	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	40.0	ug/kg	N	0.0503
BIST005	UB051F0510	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB054F0507	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	34	5	29	629	ug/kg	25.0	ug/kg	N	0.0397
BIST005	UB054F0511	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	34	5	29	629	ug/kg	25.0	ug/kg	N	0.0397
BIST005	UB054F0503	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST005	UB054F0515	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST005	UB054F0501	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	20.0	ug/kg	N	0.0190
BIST005	UB051F0509	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB051F0503	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	40.0	ug/kg	N	0.0503
BIST005	UB054F0508	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	34	5	29	629	ug/kg	25.0	ug/kg	N	0.0397
BIST005	UB054F0502	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST005	UB054F0514	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	20.0	ug/kg	N	0.0190
BIST005	UB051F0515	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	100.0	ug/kg	N	0.126
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	20.0	ug/kg	N	0.0252
BIST005	UB052F0501	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	34	5	29	629	ug/kg	100.0	ug/kg	N	0.159
BIST005	UB054F0504	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST005	UB051F0516	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	40.0	ug/kg	N	0.0503
BIST005	UB051F0512	Sailfin molly	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	80.0	ug/kg	N	0.101
BIST005	UB051F0525	Sailfin molly	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	60.0	ug/kg	N	0.0755
BIST005	UB051F0520	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	13	3	10	795	ug/kg	40.0	ug/kg	N	0.0503
BIST005	UB054F0516	Skipjack herring	Whole Body	Benzo(g,h,i)perylene	3A	34	5	29	629	ug/kg	25.0	ug/kg	N	0.0397
BIST006	MB012F0611	Spot	Whole Body	Benzo(g,h,i)perylene	2B	3	1	2	297	ug/kg	60.0	ug/kg	N	0.202
BIST006	MB012F0613	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	20.0	ug/kg	N	0.0291
BIST006	MB014F0605	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST006	MB014F0628	White mullet	Whole Body	Benzo(g,h,i)perylene	3A	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364
BIST006	MB014F0608	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364
BIST006	MB014F0612	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364
BIST006	MB011F0615	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	15	4	11	328	ug/kg	200	ug/kg	N	0.609
BIST006	MB012F0609	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	160	ug/kg	N	0.233
BIST006	MB014F0604	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364
BIST006	MB012F0607	Spot	Whole Body	Benzo(g,h,i)perylene	2B	3	1	2	297	ug/kg	80.0	ug/kg	N	0.269
BIST006	MB011F0607	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	15	4	11	328	ug/kg	200	ug/kg	N	0.609
BIST006	MB014F0603	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364
BIST006	MB012F0606	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	60.0	ug/kg	N	0.0874
BIST006	MB012F0610	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	60.0	ug/kg	N	0.0874
BIST006	MB014F0602	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST006	MB014F0615	Sand seatrout	Whole Body	Benzo(g,h,i)perylene	3B	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364
BIST006	MB014F0630	Sand seatrout	Whole Body	Benzo(g,h,i)perylene	3B	32	4	28	686	ug/kg	25.0	ug/kg	N	0.0364

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0601	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	80.0	ug/kg	N	0.117
BIST006	MB012F0602	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	60.0	ug/kg	N	0.0874
BIST006	MB012F0603	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	32	4	28	686	ug/kg	40.0	ug/kg	N	0.0583
BIST006	MB014F0601	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST006	MB012F0619	Spot	Whole Body	Benzo(g,h,i)perylene	2B	3	1	2	297	ug/kg	60.0	ug/kg	N	0.202
BIST007	MB011F0704	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	12	4	8	403	ug/kg	200	ug/kg	N	0.496
BIST008	MB031V0816	Shrimp	Shellfish	Benzo(g,h,i)perylene	I 2A	47	3	44	585	ug/kg	20.0	ug/kg	N	0.0342
BIST008	MB031V0812	Shrimp	Shellfish	Benzo(g,h,i)perylene	I 2A	47	3	44	585	ug/kg	2000	ug/kg	N	3.42
BIST008	MB031V0801	Shrimp	Shellfish	Benzo(g,h,i)perylene	I 2A	47	3	44	585	ug/kg	200	ug/kg	N	0.342
BIST008	MB031V0813	Shrimp	Shellfish	Benzo(g,h,i)perylene	I 2A	47	3	44	585	ug/kg	200	ug/kg	N	0.342
BIST008	MB031V0811	Shrimp	Shellfish	Benzo(g,h,i)perylene	I 2A	47	3	44	585	ug/kg	200	ug/kg	N	0.342
BIST011	LB011F1101	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	29	5	24	561	ug/kg	200	ug/kg	N	0.356
BIST011	LB011F1105	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	29	5	24	561	ug/kg	200	ug/kg	N	0.356
BIST011	LB011F1103	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	29	5	24	561	ug/kg	200	ug/kg	N	0.356
BIST012	LB011F1204	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	33	6	27	584	ug/kg	20.0	ug/kg	N	0.0342
BIST012	LB011F1202	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	33	6	27	584	ug/kg	100.0	ug/kg	N	0.171
BIST012	LB011F1201	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	33	6	27	584	ug/kg	200	ug/kg	N	0.342
BIST013	LB011F1301	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	34	7	27	514	ug/kg	100.0	ug/kg	N	0.195
BIST013	LB011F1305	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	34	7	27	514	ug/kg	100.0	ug/kg	N	0.195
BIST013	LB011F1302	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	34	7	27	514	ug/kg	40.0	ug/kg	N	0.0779
BIST015	LB032F1505	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	127	16	111	1530	ug/kg	60.0	ug/kg	N	0.0392
BIST015	LB032F1506	Spot	Whole Body	Benzo(g,h,i)perylene	2B	4	1	3	3190	ug/kg	40.0	ug/kg	N	0.0126
BIST015	LB032F1501	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	127	16	111	1530	ug/kg	80.0	ug/kg	N	0.0522
BIST015	LB031F1504	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	40	7	33	3670	ug/kg	200	ug/kg	N	0.0546
BIST015	LB031F1506	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	40	7	33	3670	ug/kg	100.0	ug/kg	N	0.0273
BIST015	LB032F1503	Threadfin shad	Whole Body	Benzo(g,h,i)perylene	2A	127	16	111	1530	ug/kg	80.0	ug/kg	N	0.0522
BIST015	LB031F1502	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	40	7	33	3670	ug/kg	100.0	ug/kg	N	0.0273
BIST015	LB032F1507	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	127	16	111	1530	ug/kg	40.0	ug/kg	N	0.0261
BIST015	LB034F1504	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1502	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1509	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB034F1501	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST015	LB033F1511	Striped mullet	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST015	LB033F1512	Striped mullet	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST015	LB033F1517	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB034F1505	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	3B	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1507	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1503	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1510	Striped mullet	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST015	LB033F1518	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1504	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB034F1502	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST015	LB033F1513	Striped mullet	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST015	LB033F1505	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1515	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB034F1506	Atlantic croaker	Whole Body	Benzo(g,h,i)perylene	3B	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1508	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST015	LB033F1506	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0163
BIST016	LB031F1602	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	52	9	43	2970	ug/kg	20.0	ug/kg	N	0.00674
BIST016	LB031F1610	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	52	9	43	2970	ug/kg	20.0	ug/kg	N	0.00674

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST016	LB031F1601	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	52	9	43	2970	ug/kg	200	ug/kg	N	0.0674
BIST017	LB031F1704	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	19	3	16	6900	ug/kg	40.0	ug/kg	N	0.00580
BIST017	LB031F1703	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	19	3	16	6900	ug/kg	60.0	ug/kg	N	0.00870
BIST019	LB061F1902	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	39	6	33	660	ug/kg	200	ug/kg	N	0.303
BIST019	LB061F1903	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	39	6	33	660	ug/kg	20.0	ug/kg	N	0.0303
BIST019	LB061F1901	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	39	6	33	660	ug/kg	20.0	ug/kg	N	0.0303
BIST021	LB093F2106	Gizzard shad	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB093F2105	Gizzard shad	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB093F2107	Gizzard shad	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2107	Atlantic croaker	Whole Body	Benzo(g,h,i)perylene	3B	66	5	61	632	ug/kg	25.0	ug/kg	N	0.0395
BIST021	LB093F2102	Gizzard shad	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2134	Pinfish	Whole Body	Benzo(g,h,i)perylene	3B	66	5	61	632	ug/kg	25.0	ug/kg	N	0.0395
BIST021	LB094F2141	Pinfish	Whole Body	Benzo(g,h,i)perylene	3B	66	5	61	632	ug/kg	25.0	ug/kg	N	0.0395
BIST021	LB093F2104	Gizzard shad	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2103	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2118	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2124	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB093F2101	Striped mullet	Whole Body	Benzo(g,h,i)perylene	3A	66	5	61	632	ug/kg	25.0	ug/kg	N	0.0395
BIST021	LB094F2104	Red drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2120	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB093F2108	Gizzard shad	Whole Body	Benzo(g,h,i)perylene	4A	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2122	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST021	LB094F2121	Spotted seatrout	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	25.0	ug/kg	N	0.0238
BIST024	LB131F2408	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	47	5	42	535	ug/kg	200	ug/kg	N	0.374
BIST024	LB131F2406	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	47	5	42	535	ug/kg	200	ug/kg	N	0.374
BIST024	LB131F2402	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	47	5	42	535	ug/kg	100.0	ug/kg	N	0.187
BIST025	LB132F2503	Spot	Whole Body	Benzo(g,h,i)perylene	2B	2	1	1	245	ug/kg	60.0	ug/kg	N	0.245
BIST025	LB132F2502	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	119	16	103	1600	ug/kg	20.0	ug/kg	N	0.0125
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Benzo(g,h,i)perylene	1	48	6	42	798	ug/kg	400	ug/kg	N	0.501
BIST025	LB131F2502	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	48	6	42	798	ug/kg	200	ug/kg	N	0.251
BIST025	LB132F2501	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	119	16	103	1600	ug/kg	80.0	ug/kg	N	0.0499
BIST026	LB131F2601	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	45	10	35	804	ug/kg	40.0	ug/kg	N	0.0497
BIST026	LB131F2604	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	45	10	35	804	ug/kg	100.0	ug/kg	N	0.124
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	29	6	23	534	ug/kg	200	ug/kg	N	0.375
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	29	6	23	534	ug/kg	40.0	ug/kg	N	0.0749
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	29	6	23	534	ug/kg	200	ug/kg	N	0.375
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	28	6	22	4140	ug/kg	200	ug/kg	N	0.0483
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	28	6	22	4140	ug/kg	40.0	ug/kg	N	0.00965
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	28	6	22	725	ug/kg	200	ug/kg	N	0.276
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	28	6	22	725	ug/kg	200	ug/kg	N	0.276
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Benzo(g,h,i)perylene	1	28	6	22	725	ug/kg	20.0	ug/kg	N	0.0276
BISTC01	BAYD4C0101	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	66	6	60	616	ug/kg	20.0	ug/kg	N	0.0325
BISTC01	BAYD4C0103	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	66	6	60	616	ug/kg	20.0	ug/kg	N	0.0325
BISTC02	BAYD4C0203	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	73	6	67	611	ug/kg	20.0	ug/kg	N	0.0327
BISTC02	BAYD4C0205	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	73	6	67	611	ug/kg	20.0	ug/kg	N	0.0327
BISTC02	BAYD4C0201	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	73	6	67	611	ug/kg	20.0	ug/kg	N	0.0327
BISTC03	BAYD4C0302	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	103	9	94	1770	ug/kg	20.0	ug/kg	N	0.0113
BISTC05	BAYD4C0502	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	111	14	97	1650	ug/kg	20.0	ug/kg	N	0.0121
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Benzo(g,h,i)perylene	2A	75	5	70	563	ug/kg	1000	ug/kg	N	1.78
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Benzo(g,h,i)perylene	I 2B	78	7	71	576	ug/kg	1000	ug/kg	N	1.74

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Benzo(g,h,i)perylene	3B	121	16	105	1570	ug/kg	1000	ug/kg	N	0.635
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Benzo(g,h,i)perylene	4B	258	25	233	1050	ug/kg	500	ug/kg	N	0.475
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Benzo(g,h,i)perylene	3B	121	16	105	1570	ug/kg	500	ug/kg	N	0.318
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Benzo(g,h,i)perylene	3B	121	16	105	1570	ug/kg	1000	ug/kg	N	0.635
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Benzo(g,h,i)perylene	3B	121	16	105	1580	ug/kg	500	ug/kg	N	0.317
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Benzo(g,h,i)perylene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Benzo(g,h,i)perylene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Benzo(g,h,i)perylene	I 1A	1	0	1	285	ug/kg	2.20	ug/kg	Y	0.00772
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Benzo(g,h,i)perylene	I 1A	1	0	1	285	ug/kg	3.30	ug/kg	Y	0.0116
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Benzo(g,h,i)perylene	I 1A	1	0	1	420	ug/kg	2.40	ug/kg	Y	0.00571
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Benzo(g,h,i)perylene	I 1A	1	0	1	420	ug/kg	2.10	ug/kg	Y	0.00500
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Benzo(g,h,i)perylene	I 1A	1	0	1	485	ug/kg	2.00	ug/kg	Y	0.00412
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Benzo(g,h,i)perylene	I 1B	1	0	1	500	ug/kg	0.740	ug/kg	Y	0.00148
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Benzo(g,h,i)perylene	I 1B	1	0	1	550	ug/kg	5.50	ug/kg	Y	0.0100
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Benzo(g,h,i)perylene	I 1B	3	0	3	363	ug/kg	7.80	ug/kg	Y	0.0215
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Benzo(g,h,i)perylene	I 1B	3	1	2	102	ug/kg	3.70	ug/kg	Y	0.0364
BIST004	UB041F0402	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	15	1	14	778	ug/kg	20.0	ug/kg	N	0.0257
BIST005	UB051F0508	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB054F0506	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	34	5	29	631	ug/kg	25.0	ug/kg	N	0.0396
BIST005	UB051F0502	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB051F0516	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	40.0	ug/kg	N	0.0497
BIST005	UB051F0515	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	100.0	ug/kg	N	0.124
BIST005	UB052F0501	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	34	5	29	631	ug/kg	100.0	ug/kg	N	0.158
BIST005	UB051F0511	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB051F0525	Sailfin molly	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	60.0	ug/kg	N	0.0746
BIST005	UB051F0512	Sailfin molly	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	80.0	ug/kg	N	0.0994
BIST005	UB051F0510	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB054F0502	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB054F0501	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	20.0	ug/kg	N	0.0190
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB051F0504	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	40.0	ug/kg	N	0.0497
BIST005	UB051F0518	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB054F0503	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB054F0504	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB051F0509	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	20.0	ug/kg	N	0.0249
BIST005	UB054F0505	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	34	5	29	631	ug/kg	25.0	ug/kg	N	0.0396
BIST005	UB051F0520	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	40.0	ug/kg	N	0.0497
BIST005	UB051F0501	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	40.0	ug/kg	N	0.0497
BIST005	UB051F0503	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	13	3	10	805	ug/kg	40.0	ug/kg	N	0.0497
BIST005	UB054F0516	Skipjack herring	Whole Body	Benzo(k)fluoranthene	3A	34	5	29	631	ug/kg	25.0	ug/kg	N	0.0396
BIST005	UB054F0508	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	34	5	29	631	ug/kg	25.0	ug/kg	N	0.0396
BIST005	UB054F0507	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	34	5	29	631	ug/kg	25.0	ug/kg	N	0.0396
BIST005	UB054F0515	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST005	UB054F0514	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	20.0	ug/kg	N	0.0190
BIST005	UB054F0511	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	34	5	29	631	ug/kg	25.0	ug/kg	N	0.0396
BIST006	MB012F0601	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	80.0	ug/kg	N	0.116
BIST006	MB014F0605	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST006	MB012F0603	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	40.0	ug/kg	N	0.0580
BIST006	MB011F0615	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	15	4	11	334	ug/kg	200	ug/kg	N	0.598
BIST006	MB014F0615	Sand seatrout	Whole Body	Benzo(k)fluoranthene	3B	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0613	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	20.0	ug/kg	N	0.0290
BIST006	MB014F0604	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363
BIST006	MB014F0603	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363
BIST006	MB012F0610	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	60.0	ug/kg	N	0.0871
BIST006	MB012F0602	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	60.0	ug/kg	N	0.0871
BIST006	MB014F0628	White mullet	Whole Body	Benzo(k)fluoranthene	3A	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363
BIST006	MB012F0609	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	160	ug/kg	N	0.232
BIST006	MB014F0612	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363
BIST006	MB014F0601	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST006	MB012F0607	Spot	Whole Body	Benzo(k)fluoranthene	2B	3	1	2	282	ug/kg	80.0	ug/kg	N	0.283
BIST006	MB012F0619	Spot	Whole Body	Benzo(k)fluoranthene	2B	3	1	2	282	ug/kg	60.0	ug/kg	N	0.213
BIST006	MB011F0607	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	15	4	11	334	ug/kg	200	ug/kg	N	0.598
BIST006	MB014F0602	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST006	MB014F0630	Sand seatrout	Whole Body	Benzo(k)fluoranthene	3B	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363
BIST006	MB012F0606	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	32	4	28	689	ug/kg	60.0	ug/kg	N	0.0871
BIST006	MB014F0608	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	32	4	28	689	ug/kg	25.0	ug/kg	N	0.0363
BIST006	MB012F0611	Spot	Whole Body	Benzo(k)fluoranthene	2B	3	1	2	282	ug/kg	60.0	ug/kg	N	0.213
BIST007	MB011F0704	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	12	4	8	410	ug/kg	200	ug/kg	N	0.487
BIST008	MB031V0801	Shrimp	Shellfish	Benzo(k)fluoranthene	I 2A	47	4	43	562	ug/kg	200	ug/kg	N	0.356
BIST008	MB031V0816	Shrimp	Shellfish	Benzo(k)fluoranthene	I 2A	47	4	43	562	ug/kg	20.0	ug/kg	N	0.0356
BIST008	MB031V0811	Shrimp	Shellfish	Benzo(k)fluoranthene	I 2A	47	4	43	562	ug/kg	200	ug/kg	N	0.356
BIST008	MB031V0813	Shrimp	Shellfish	Benzo(k)fluoranthene	I 2A	47	4	43	562	ug/kg	200	ug/kg	N	0.356
BIST008	MB031V0812	Shrimp	Shellfish	Benzo(k)fluoranthene	I 2A	47	4	43	562	ug/kg	2000	ug/kg	N	3.56
BIST011	LB011F1105	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	28	5	23	524	ug/kg	200	ug/kg	N	0.382
BIST011	LB011F1103	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	28	5	23	524	ug/kg	200	ug/kg	N	0.382
BIST011	LB011F1101	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	28	5	23	524	ug/kg	200	ug/kg	N	0.382
BIST012	LB011F1202	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	32	6	26	552	ug/kg	100.0	ug/kg	N	0.181
BIST012	LB011F1204	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	32	6	26	552	ug/kg	20.0	ug/kg	N	0.0362
BIST012	LB011F1201	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	32	6	26	552	ug/kg	200	ug/kg	N	0.362
BIST013	LB011F1301	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	33	7	26	478	ug/kg	100.0	ug/kg	N	0.209
BIST013	LB011F1302	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	33	7	26	478	ug/kg	40.0	ug/kg	N	0.0837
BIST013	LB011F1305	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	33	7	26	478	ug/kg	100.0	ug/kg	N	0.209
BIST015	LB032F1506	Spot	Whole Body	Benzo(k)fluoranthene	2B	4	1	3	3200	ug/kg	40.0	ug/kg	N	0.0125
BIST015	LB031F1502	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	39	5	34	3820	ug/kg	100.0	ug/kg	N	0.0262
BIST015	LB032F1505	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	125	14	111	1560	ug/kg	60.0	ug/kg	N	0.0386
BIST015	LB032F1501	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	125	14	111	1560	ug/kg	80.0	ug/kg	N	0.0514
BIST015	LB031F1504	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	39	5	34	3820	ug/kg	200	ug/kg	N	0.0523
BIST015	LB032F1503	Threadfin shad	Whole Body	Benzo(k)fluoranthene	2A	125	14	111	1560	ug/kg	80.0	ug/kg	N	0.0514
BIST015	LB031F1506	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	39	5	34	3820	ug/kg	100.0	ug/kg	N	0.0262
BIST015	LB034F1504	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB032F1507	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	125	14	111	1560	ug/kg	40.0	ug/kg	N	0.0257
BIST015	LB034F1505	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	3B	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1511	Striped mullet	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB034F1502	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1518	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1501	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1517	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1505	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1506	Atlantic croaker	Whole Body	Benzo(k)fluoranthene	3B	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1502	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1509	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1508	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1512	Striped mullet	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1510	Striped mullet	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1507	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1506	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1504	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1503	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1513	Striped mullet	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST015	LB033F1515	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	125	14	111	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST016	LB031F1602	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	51	8	43	3050	ug/kg	20.0	ug/kg	N	0.00656
BIST016	LB031F1610	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	51	8	43	3050	ug/kg	20.0	ug/kg	N	0.00656
BIST016	LB031F1601	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	51	8	43	3050	ug/kg	200	ug/kg	N	0.0656
BIST017	LB031F1704	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	18	2	16	7380	ug/kg	40.0	ug/kg	N	0.00542
BIST017	LB031F1703	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	18	2	16	7380	ug/kg	60.0	ug/kg	N	0.00813
BIST019	LB061F1902	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	39	6	33	648	ug/kg	200	ug/kg	N	0.309
BIST019	LB061F1901	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	39	6	33	648	ug/kg	20.0	ug/kg	N	0.0309
BIST019	LB061F1903	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	39	6	33	648	ug/kg	20.0	ug/kg	N	0.0309
BIST021	LB094F2107	Atlantic croaker	Whole Body	Benzo(k)fluoranthene	3B	66	6	60	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB094F2121	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2107	Gizzard shad	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2141	Pinfish	Whole Body	Benzo(k)fluoranthene	3B	66	6	60	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB093F2104	Gizzard shad	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2120	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2108	Gizzard shad	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2124	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2104	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2122	Spotted seatrout	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2103	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2102	Gizzard shad	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2118	Red drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB094F2134	Pinfish	Whole Body	Benzo(k)fluoranthene	3B	66	6	60	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB093F2101	Striped mullet	Whole Body	Benzo(k)fluoranthene	3A	66	6	60	625	ug/kg	25.0	ug/kg	N	0.0400
BIST021	LB093F2105	Gizzard shad	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST021	LB093F2106	Gizzard shad	Whole Body	Benzo(k)fluoranthene	4A	256	26	230	1050	ug/kg	25.0	ug/kg	N	0.0237
BIST024	LB131F2408	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	47	4	43	535	ug/kg	200	ug/kg	N	0.374
BIST024	LB131F2402	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	47	4	43	535	ug/kg	100.0	ug/kg	N	0.187
BIST024	LB131F2406	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	47	4	43	535	ug/kg	200	ug/kg	N	0.374
BIST025	LB132F2501	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	117	14	103	1630	ug/kg	80.0	ug/kg	N	0.0491
BIST025	LB131F2502	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	46	4	42	822	ug/kg	200	ug/kg	N	0.243
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Benzo(k)fluoranthene	1	46	4	42	822	ug/kg	400	ug/kg	N	0.487
BIST025	LB132F2502	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	117	14	103	1630	ug/kg	20.0	ug/kg	N	0.0123
BIST025	LB132F2503	Spot	Whole Body	Benzo(k)fluoranthene	2B	2	2	0	79.8	ug/kg	60.0	ug/kg	N	0.752
BIST026	LB131F2601	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	43	9	34	801	ug/kg	40.0	ug/kg	N	0.0499
BIST026	LB131F2604	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	43	9	34	801	ug/kg	100.0	ug/kg	N	0.125
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	28	6	22	496	ug/kg	200	ug/kg	N	0.404
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	28	6	22	496	ug/kg	40.0	ug/kg	N	0.0807
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	28	6	22	496	ug/kg	200	ug/kg	N	0.404
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	27	6	21	4240	ug/kg	40.0	ug/kg	N	0.00943
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	27	6	21	4240	ug/kg	200	ug/kg	N	0.0472

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	27	6	21	692	ug/kg	200	ug/kg	N	0.289
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	27	6	21	692	ug/kg	200	ug/kg	N	0.289
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Benzo(k)fluoranthene	1	27	6	21	692	ug/kg	20.0	ug/kg	N	0.0289
BISTC01	BAYD4C0101	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	66	7	59	607	ug/kg	20.0	ug/kg	N	0.0329
BISTC01	BAYD4C0103	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	66	7	59	607	ug/kg	20.0	ug/kg	N	0.0329
BISTC02	BAYD4C0205	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	73	6	67	604	ug/kg	20.0	ug/kg	N	0.0331
BISTC02	BAYD4C0203	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	73	6	67	604	ug/kg	20.0	ug/kg	N	0.0331
BISTC02	BAYD4C0201	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	73	6	67	604	ug/kg	20.0	ug/kg	N	0.0331
BISTC03	BAYD4C0302	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	102	8	94	1800	ug/kg	20.0	ug/kg	N	0.0111
BISTC05	BAYD4C0502	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	109	12	97	1670	ug/kg	20.0	ug/kg	N	0.0120
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Benzo(k)fluoranthene	2A	74	5	69	537	ug/kg	1000	ug/kg	N	1.86
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Benzo(k)fluoranthene	I 2B	77	8	69	547	ug/kg	1000	ug/kg	N	1.83
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Benzo(k)fluoranthene	3B	119	14	105	1600	ug/kg	1000	ug/kg	N	0.625
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Benzo(k)fluoranthene	4B	256	26	230	1050	ug/kg	500	ug/kg	N	0.474
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Benzo(k)fluoranthene	3B	119	14	105	1600	ug/kg	1000	ug/kg	N	0.625
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Benzo(k)fluoranthene	3B	119	14	105	1600	ug/kg	500	ug/kg	N	0.313
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Benzo(k)fluoranthene	3B	119	14	105	1600	ug/kg	500	ug/kg	N	0.312
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Benzo(k)fluoranthene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Benzo(k)fluoranthene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Benzo(k)fluoranthene	I 1A	1	0	1	285	ug/kg	1.20	ug/kg	Y	0.00421
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Benzo(k)fluoranthene	I 1A	1	0	1	285	ug/kg	1.60	ug/kg	Y	0.00561
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Benzo(k)fluoranthene	I 1A	1	0	1	420	ug/kg	0.840	ug/kg	Y	0.00200
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Benzo(k)fluoranthene	I 1A	1	0	1	420	ug/kg	0.840	ug/kg	Y	0.00200
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Benzo(k)fluoranthene	I 1A	1	0	1	485	ug/kg	1.50	ug/kg	Y	0.00309
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Benzo(k)fluoranthene	I 1B	1	0	1	500	ug/kg	0.390	ug/kg	Y	0.000780
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Benzo(k)fluoranthene	I 1B	1	0	1	550	ug/kg	1.30	ug/kg	Y	0.00236
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Benzo(k)fluoranthene	I 1B	3	0	3	363	ug/kg	2.70	ug/kg	Y	0.00743
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Benzo(k)fluoranthene	I 1B	3	0	3	193	ug/kg	1.50	ug/kg	Y	0.00776
BIST004	UB041F0401	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0402	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0404	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST005	UB054F0507	Spotted seatrout	Whole Body	beta-BHC	3B	31	2	29	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0502	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0508	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0511	Spotted seatrout	Whole Body	beta-BHC	3B	31	2	29	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0506	Spotted seatrout	Whole Body	beta-BHC	3B	31	2	29	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB054F0516	Skipjack herring	Whole Body	beta-BHC	3A	31	2	29	2.94	ug/kg	31.0	ug/kg	Y	10.5
BIST005	UB054F0505	Spotted seatrout	Whole Body	beta-BHC	3B	31	2	29	2.94	ug/kg	25.0	ug/kg	Y	8.50
BIST005	UB051F0518	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0520	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0517	Sheepshead minnow	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0515	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST005	UB051F0504	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB052F0501	Gulf menhaden	Whole Body	beta-BHC	2A	31	2	29	2.94	ug/kg	5.00	ug/kg	N	1.70
BIST005	UB051F0509	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0523	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0514	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST005	UB051F0505	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0515	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0510	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0508	Spotted seatrout	Whole Body	beta-BHC	3B	31	2	29	2.94	ug/kg	13.0	ug/kg	Y	4.42
BIST005	UB054F0502	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST005	UB051F0503	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0516	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0511	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0501	Gulf killifish	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST005	UB051F0525	Sailfin molly	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0512	Sailfin molly	Whole Body	beta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0501	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST005	UB054F0503	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	25.0	ug/kg	Y	0.955
BIST006	MB012F0611	Spot	Whole Body	beta-BHC	2B	3	1	2	5.32	ug/kg	67.0	ug/kg	Y	12.6
BIST006	MB012F0602	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB011F0624	Gulf killifish	Whole Body	beta-BHC	1	14	1	13	3.21	ug/kg	5.00	ug/kg	N	1.56
BIST006	MB014F0628	White mullet	Whole Body	beta-BHC	3A	31	5	26	3.57	ug/kg	56.0	ug/kg	Y	15.7
BIST006	MB014F0630	Sand seatrout	Whole Body	beta-BHC	3B	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB014F0603	Spotted seatrout	Whole Body	beta-BHC	3B	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0606	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0609	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0601	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB014F0615	Sand seatrout	Whole Body	beta-BHC	3B	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB014F0605	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	10.00	ug/kg	Y	0.382
BIST006	MB011F0605	Gulf killifish	Whole Body	beta-BHC	1	14	1	13	3.21	ug/kg	5.00	ug/kg	N	1.56
BIST006	MB014F0602	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST006	MB014F0604	Spotted seatrout	Whole Body	beta-BHC	3B	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB011F0616	Gulf killifish	Whole Body	beta-BHC	1	14	1	13	3.21	ug/kg	5.00	ug/kg	N	1.56
BIST006	MB011F0607	Gulf killifish	Whole Body	beta-BHC	1	14	1	13	3.21	ug/kg	5.00	ug/kg	N	1.56
BIST006	MB012F0610	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0607	Spot	Whole Body	beta-BHC	2B	3	1	2	5.32	ug/kg	60.0	ug/kg	Y	11.3
BIST006	MB012F0604	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB014F0608	Spotted seatrout	Whole Body	beta-BHC	3B	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB011F0615	Gulf killifish	Whole Body	beta-BHC	1	14	1	13	3.21	ug/kg	5.00	ug/kg	N	1.56
BIST006	MB012F0603	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0605	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB014F0601	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	24.0	ug/kg	Y	0.917
BIST006	MB014F0612	Spotted seatrout	Whole Body	beta-BHC	3B	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0613	Gulf menhaden	Whole Body	beta-BHC	2A	31	5	26	3.57	ug/kg	5.00	ug/kg	N	1.40
BIST006	MB012F0619	Spot	Whole Body	beta-BHC	2B	3	1	2	5.32	ug/kg	42.0	ug/kg	Y	7.90
BIST007	MB011F0702	Gulf killifish	Whole Body	beta-BHC	1	12	1	11	3.03	ug/kg	5.00	ug/kg	N	1.65
BIST007	MB011F0704	Gulf killifish	Whole Body	beta-BHC	1	12	1	11	3.03	ug/kg	5.00	ug/kg	N	1.65
BIST007	MB011F0708	Gulf killifish	Whole Body	beta-BHC	1	12	1	11	3.03	ug/kg	5.00	ug/kg	N	1.65
BIST007	MB011F0703	Gulf killifish	Whole Body	beta-BHC	1	12	1	11	3.03	ug/kg	5.00	ug/kg	N	1.65
BIST007	MB011F0706	Gulf killifish	Whole Body	beta-BHC	1	12	1	11	3.03	ug/kg	5.00	ug/kg	N	1.65
BIST008	MB031V0807	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031F0811	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.31	ug/kg	5.00	ug/kg	N	0.684
BIST008	MB031V0803	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	50.0	ug/kg	N	7.36
BIST008	MB031V0818	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	50.0	ug/kg	N	7.36
BIST008	MB031V0812	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031V0813	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031F0806	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.31	ug/kg	5.00	ug/kg	N	0.684

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0801	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031V0817	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031F0804	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.31	ug/kg	5.00	ug/kg	N	0.684
BIST008	MB031V0816	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031V0802	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	50.0	ug/kg	N	7.36
BIST008	MB031F0803	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.31	ug/kg	5.00	ug/kg	N	0.684
BIST008	MB031V0811	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031V0819	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031V0810	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST008	MB031F0805	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.31	ug/kg	5.00	ug/kg	N	0.684
BIST008	MB031V0808	Shrimp	Shellfish	beta-BHC	I 2A	45	11	34	6.80	ug/kg	5.00	ug/kg	N	0.736
BIST010	MB031F1009	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.30	ug/kg	5.00	ug/kg	N	0.685
BIST010	MB031F1004	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.30	ug/kg	5.00	ug/kg	N	0.685
BIST010	MB031F1006	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.30	ug/kg	5.00	ug/kg	N	0.685
BIST010	MB031F1001	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.30	ug/kg	5.00	ug/kg	N	0.685
BIST010	MB031F1013	Gulf killifish	Whole Body	beta-BHC	1	20	3	17	7.30	ug/kg	5.00	ug/kg	N	0.685
BIST011	LB011F1105	Gulf killifish	Whole Body	beta-BHC	1	26	18	8	83.6	ug/kg	5.00	ug/kg	N	0.0598
BIST011	LB011F1101	Gulf killifish	Whole Body	beta-BHC	1	26	18	8	83.6	ug/kg	5.00	ug/kg	N	0.0598
BIST011	LB011F1103	Gulf killifish	Whole Body	beta-BHC	1	26	18	8	83.6	ug/kg	5.00	ug/kg	N	0.0598
BIST012	LB011F1201	Gulf killifish	Whole Body	beta-BHC	1	29	18	11	84.0	ug/kg	5.00	ug/kg	N	0.0595
BIST012	LB011F1204	Gulf killifish	Whole Body	beta-BHC	1	29	18	11	84.0	ug/kg	5.00	ug/kg	N	0.0595
BIST012	LB011F1202	Gulf killifish	Whole Body	beta-BHC	1	29	18	11	84.0	ug/kg	5.00	ug/kg	N	0.0595
BIST013	LB011F1305	Gulf killifish	Whole Body	beta-BHC	1	29	19	10	90.0	ug/kg	5.00	ug/kg	N	0.0556
BIST013	LB011F1301	Gulf killifish	Whole Body	beta-BHC	1	29	19	10	90.0	ug/kg	5.00	ug/kg	N	0.0556
BIST013	LB011F1302	Gulf killifish	Whole Body	beta-BHC	1	29	19	10	90.0	ug/kg	5.00	ug/kg	N	0.0556
BIST015	LB032F1501	Gulf menhaden	Whole Body	beta-BHC	2A	88	41	47	52.5	ug/kg	5.00	ug/kg	N	0.0953
BIST015	LB032F1502	Gulf menhaden	Whole Body	beta-BHC	2A	88	41	47	52.5	ug/kg	11.0	ug/kg	Y	0.210
BIST015	LB032F1505	Gulf menhaden	Whole Body	beta-BHC	2A	88	41	47	52.5	ug/kg	5.00	ug/kg	N	0.0953
BIST015	LB031F1506	Gulf killifish	Whole Body	beta-BHC	1	24	7	17	31.3	ug/kg	5.00	ug/kg	N	0.160
BIST015	LB032F1506	Spot	Whole Body	beta-BHC	2B	3	0	3	11.1	ug/kg	17.0	ug/kg	Y	1.54
BIST015	LB032F1504	Spot	Whole Body	beta-BHC	2B	3	0	3	11.1	ug/kg	68.0	ug/kg	Y	6.14
BIST015	LB031F1504	Gulf killifish	Whole Body	beta-BHC	1	24	7	17	31.3	ug/kg	18.0	ug/kg	Y	0.575
BIST015	LB031F1502	Gulf killifish	Whole Body	beta-BHC	1	24	7	17	31.3	ug/kg	12.0	ug/kg	Y	0.383
BIST015	LB032F1503	Threadfin shad	Whole Body	beta-BHC	2A	88	41	47	52.5	ug/kg	33.0	ug/kg	Y	0.629
BIST015	LB033F1504	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	130	ug/kg	Y	2.48
BIST015	LB034F1504	Spotted seatrout	Whole Body	beta-BHC	3B	88	41	47	52.5	ug/kg	18.0	ug/kg	Y	0.343
BIST015	LB033F1507	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	220	ug/kg	Y	4.19
BIST015	LB034F1506	Atlantic croaker	Whole Body	beta-BHC	3B	88	41	47	52.5	ug/kg	38.0	ug/kg	Y	0.724
BIST015	LB034F1501	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST015	LB032F1507	Gulf menhaden	Whole Body	beta-BHC	2A	88	41	47	52.5	ug/kg	12.0	ug/kg	Y	0.229
BIST015	LB033F1516	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	140	ug/kg	Y	2.67
BIST015	LB033F1503	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	190	ug/kg	Y	3.62
BIST015	LB033F1515	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	220	ug/kg	Y	4.19
BIST015	LB034F1505	Spotted seatrout	Whole Body	beta-BHC	3B	88	41	47	52.5	ug/kg	5.00	ug/kg	N	0.0953
BIST015	LB034F1502	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	52.0	ug/kg	Y	1.99
BIST015	LB033F1511	Striped mullet	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	300	ug/kg	Y	11.5
BIST015	LB033F1505	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	120	ug/kg	Y	2.29
BIST015	LB033F1514	Striped mullet	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	63.0	ug/kg	Y	2.41
BIST015	LB033F1508	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	440	ug/kg	Y	8.39
BIST015	LB033F1501	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	330	ug/kg	Y	6.29

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1509	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	270	ug/kg	Y	5.15
BIST015	LB033F1513	Striped mullet	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	170	ug/kg	Y	6.49
BIST015	LB033F1506	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	94.0	ug/kg	Y	1.79
BIST015	LB033F1518	Gulf menhaden	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	5.00	ug/kg	N	0.0953
BIST015	LB033F1502	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	70.0	ug/kg	Y	1.33
BIST015	LB033F1510	Striped mullet	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	260	ug/kg	Y	9.93
BIST015	LB033F1517	Striped mullet	Whole Body	beta-BHC	3A	88	41	47	52.5	ug/kg	140	ug/kg	Y	2.67
BIST015	LB033F1512	Striped mullet	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	120	ug/kg	Y	4.58
BIST016	LB031F1610	Gulf killifish	Whole Body	beta-BHC	1	35	17	18	61.5	ug/kg	5.00	ug/kg	N	0.0812
BIST016	LB031F1601	Gulf killifish	Whole Body	beta-BHC	1	35	17	18	61.5	ug/kg	5.00	ug/kg	N	0.0812
BIST016	LB031F1602	Gulf killifish	Whole Body	beta-BHC	1	35	17	18	61.5	ug/kg	5.00	ug/kg	N	0.0812
BIST017	LB031F1702	Gulf killifish	Whole Body	beta-BHC	1	11	2	9	29.0	ug/kg	5.00	ug/kg	N	0.173
BIST017	LB031A1752	Mussels	Shellfish	beta-BHC	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	beta-BHC	1	11	2	9	29.0	ug/kg	5.00	ug/kg	N	0.173
BIST017	LB031A1753	Mussels	Shellfish	beta-BHC	I 1A	1	0	1	15.0	ug/kg	13.0	ug/kg	Y	0.867
BIST017	LB031F1703	Gulf killifish	Whole Body	beta-BHC	1	11	2	9	29.0	ug/kg	5.00	ug/kg	N	0.173
BIST017	LB031A1754	Mussels	Shellfish	beta-BHC	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1902	Gulf killifish	Whole Body	beta-BHC	1	26	17	9	71.2	ug/kg	5.00	ug/kg	N	0.0702
BIST019	LB061F1903	Gulf killifish	Whole Body	beta-BHC	1	26	17	9	71.2	ug/kg	5.00	ug/kg	N	0.0702
BIST019	LB061F1901	Gulf killifish	Whole Body	beta-BHC	1	26	17	9	71.2	ug/kg	5.00	ug/kg	N	0.0702
BIST021	LB094F2141	Pinfish	Whole Body	beta-BHC	3B	42	20	22	39.7	ug/kg	60.0	ug/kg	Y	1.51
BIST021	LB094F2120	Spotted seatrout	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST021	LB094F2107	Atlantic croaker	Whole Body	beta-BHC	3B	42	20	22	39.7	ug/kg	22.0	ug/kg	Y	0.554
BIST021	LB094F2103	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST021	LB093F2107	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	120	ug/kg	Y	4.58
BIST021	LB094F2122	Spotted seatrout	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST021	LB093F2106	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	190	ug/kg	Y	7.26
BIST021	LB093F2103	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	110	ug/kg	Y	4.20
BIST021	LB093F2101	Striped mullet	Whole Body	beta-BHC	3A	42	20	22	39.7	ug/kg	45.0	ug/kg	Y	1.13
BIST021	LB094F2118	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST021	LB094F2151	Spotted seatrout	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	73.0	ug/kg	Y	2.79
BIST021	LB094F2101	Spotted seatrout	Whole Body	beta-BHC	3B	42	20	22	39.7	ug/kg	5.00	ug/kg	N	0.126
BIST021	LB094F2104	Red drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST021	LB093F2104	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	86.0	ug/kg	Y	3.28
BIST021	LB094F2134	Pinfish	Whole Body	beta-BHC	3B	42	20	22	39.7	ug/kg	48.0	ug/kg	Y	1.21
BIST021	LB093F2102	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	220	ug/kg	Y	8.40
BIST021	LB094F2121	Spotted seatrout	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	11.0	ug/kg	Y	0.420
BIST021	LB093F2108	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	120	ug/kg	Y	4.58
BIST021	LB093F2105	Gizzard shad	Whole Body	beta-BHC	4A	207	71	136	26.2	ug/kg	96.0	ug/kg	Y	3.67
BIST021	LB094F2124	Spotted seatrout	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST021	LB094F2115	Black Drum	Whole Body	beta-BHC	4B	207	71	136	26.2	ug/kg	5.00	ug/kg	N	0.191
BIST024	LB131F2402	Gulf killifish	Whole Body	beta-BHC	1	32	25	7	70.2	ug/kg	5.00	ug/kg	N	0.0712
BIST024	LB131F2406	Gulf killifish	Whole Body	beta-BHC	1	32	25	7	70.2	ug/kg	5.00	ug/kg	N	0.0712
BIST024	LB131F2408	Gulf killifish	Whole Body	beta-BHC	1	32	25	7	70.2	ug/kg	11.0	ug/kg	Y	0.157
BIST025	LB131F2501	Gulf killifish	Whole Body	beta-BHC	1	33	23	10	75.6	ug/kg	5.00	ug/kg	N	0.0662
BIST025	LB132F2501	Gulf menhaden	Whole Body	beta-BHC	2A	85	47	38	54.6	ug/kg	5.00	ug/kg	N	0.0916
BIST025	LB131F2503	Sheepshead minnow	Whole Body	beta-BHC	1	33	23	10	75.6	ug/kg	20.0	ug/kg	Y	0.265
BIST025	LB132F2502	Gulf menhaden	Whole Body	beta-BHC	2A	85	47	38	54.6	ug/kg	5.00	ug/kg	N	0.0916
BIST025	LB131F2502	Gulf killifish	Whole Body	beta-BHC	1	33	23	10	75.6	ug/kg	5.00	ug/kg	N	0.0662
BIST025	LB132F2503	Spot	Whole Body	beta-BHC	2B	2	2	0	220	ug/kg	130	ug/kg	Y	0.591

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST026	LB131F2601	Gulf killifish	Whole Body	beta-BHC	1	34	19	15	80.2	ug/kg	5.00	ug/kg	N	0.0623
BIST026	LB131F2604	Gulf killifish	Whole Body	beta-BHC	1	34	19	15	80.2	ug/kg	5.00	ug/kg	N	0.0623
BIST027	PPGC1F2712	Gulf killifish	Whole Body	beta-BHC	1	26	15	11	92.1	ug/kg	5.00	ug/kg	N	0.0543
BIST027	PPGC1F2706	Gulf killifish	Whole Body	beta-BHC	1	26	15	11	92.1	ug/kg	5.00	ug/kg	N	0.0543
BIST027	PPGC1F2705	Gulf killifish	Whole Body	beta-BHC	1	26	15	11	92.1	ug/kg	15.0	ug/kg	Y	0.163
BIST028	PPGC1F2802	Gulf killifish	Whole Body	beta-BHC	1	22	9	13	59.7	ug/kg	5.00	ug/kg	N	0.0837
BIST028	PPGC1F2806	Gulf killifish	Whole Body	beta-BHC	1	22	9	13	59.7	ug/kg	5.00	ug/kg	N	0.0837
BIST028	PPGC1F2803	Gulf killifish	Whole Body	beta-BHC	1	22	9	13	59.7	ug/kg	5.00	ug/kg	N	0.0837
BIST029	PPGC1F2904	Gulf killifish	Whole Body	beta-BHC	1	25	12	13	85.5	ug/kg	14.0	ug/kg	Y	0.164
BIST029	PPGC1F2905	Gulf killifish	Whole Body	beta-BHC	1	25	12	13	85.5	ug/kg	5.00	ug/kg	N	0.0585
BIST029	PPGC1F2903	Gulf killifish	Whole Body	beta-BHC	1	25	12	13	85.5	ug/kg	5.00	ug/kg	N	0.0585
BISTC01	BAYD4C0103	Blue crab	Shellfish	beta-BHC	I 2B	43	24	19	43.7	ug/kg	35.0	ug/kg	Y	0.801
BISTC01	BAYD4C0101	Blue crab	Shellfish	beta-BHC	I 2B	43	24	19	43.7	ug/kg	32.0	ug/kg	Y	0.733
BISTC02	BAYD4C0201	Blue crab	Shellfish	beta-BHC	I 2B	49	29	20	45.1	ug/kg	30.0	ug/kg	Y	0.666
BISTC02	BAYD4C0203	Blue crab	Shellfish	beta-BHC	I 2B	49	29	20	45.1	ug/kg	25.0	ug/kg	Y	0.555
BISTC02	BAYD4C0205	Blue crab	Shellfish	beta-BHC	I 2B	49	29	20	45.1	ug/kg	56.0	ug/kg	Y	1.24
BISTC03	BAYD4C0302	Blue crab	Shellfish	beta-BHC	I 2B	67	36	31	43.6	ug/kg	5.00	ug/kg	N	0.115
BISTC05	BAYD4C0502	Blue crab	Shellfish	beta-BHC	I 2B	86	50	36	53.6	ug/kg	30.0	ug/kg	Y	0.559
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	beta-BHC	2A	72	32	40	39.5	ug/kg	3.00	ug/kg	N	0.0760
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	beta-BHC	I 2B	70	39	31	51.2	ug/kg	3.00	ug/kg	N	0.0586
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	beta-BHC	I 1A	1	1	0	6.10	ug/kg	3.00	ug/kg	N	0.492
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	beta-BHC	I 1B	2	2	0	148	ug/kg	3.00	ug/kg	N	0.0203
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	beta-BHC	I 1A	1	1	0	1.50	ug/kg	1.25	ug/kg	N	0.833
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	beta-BHC	I 1A	1	1	0	1.50	ug/kg	1.25	ug/kg	N	0.833
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	beta-BHC	I 1A	1	1	0	110	ug/kg	1.25	ug/kg	N	0.0114
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	beta-BHC	I 1A	1	1	0	110	ug/kg	1.25	ug/kg	N	0.0114
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	beta-BHC	I 1A	1	1	0	12.0	ug/kg	1.25	ug/kg	N	0.104
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	beta-BHC	I 1B	1	1	0	36.0	ug/kg	1.25	ug/kg	N	0.0347
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	beta-BHC	I 1B	1	1	0	150	ug/kg	1.25	ug/kg	N	0.00833
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	beta-BHC	I 1B	3	3	0	111	ug/kg	1.25	ug/kg	N	0.0113
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	beta-BHC	I 1B	3	2	1	81.7	ug/kg	1.25	ug/kg	N	0.0153
BIST004	UB041F0401	Gulf killifish	Whole Body	Cadmium	1	14	4	10	0.264	mg/kg	0.0300	mg/kg	Y	0.114
BIST004	UB041F0404	Gulf killifish	Whole Body	Cadmium	1	14	4	10	0.264	mg/kg	0.00500	mg/kg	N	0.0189
BIST004	UB041F0402	Gulf killifish	Whole Body	Cadmium	1	14	4	10	0.264	mg/kg	0.00500	mg/kg	N	0.0189
BIST005	UB051F0509	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB054F0504	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST005	UB051F0515	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB051F0512	Sailfin molly	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB051F0505	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB054F0501	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST005	UB054F0503	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST005	UB054F0507	Spotted seatrout	Whole Body	Cadmium	3B	33	6	27	0.264	mg/kg	0.00150	mg/kg	N	0.00567
BIST005	UB051F0516	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB051F0523	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB054F0506	Spotted seatrout	Whole Body	Cadmium	3B	33	6	27	0.264	mg/kg	0.00150	mg/kg	N	0.00567
BIST005	UB054F0508	Spotted seatrout	Whole Body	Cadmium	3B	33	6	27	0.264	mg/kg	0.00150	mg/kg	N	0.00567
BIST005	UB054F0515	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST005	UB051F0520	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB054F0514	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST005	UB051F0510	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0502	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST005	UB051F0518	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB051F0502	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.0100	mg/kg	Y	0.0396
BIST005	UB054F0516	Skipjack herring	Whole Body	Cadmium	3A	33	6	27	0.264	mg/kg	0.00250	mg/kg	N	0.00945
BIST005	UB051F0525	Sailfin molly	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB051F0504	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.0100	mg/kg	Y	0.0396
BIST005	UB054F0511	Spotted seatrout	Whole Body	Cadmium	3B	33	6	27	0.264	mg/kg	0.00150	mg/kg	N	0.00567
BIST005	UB052F0501	Gulf menhaden	Whole Body	Cadmium	2A	33	6	27	0.264	mg/kg	0.0100	mg/kg	Y	0.0378
BIST005	UB051F0503	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.0100	mg/kg	Y	0.0396
BIST005	UB051F0501	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.0100	mg/kg	Y	0.0396
BIST005	UB051F0508	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST005	UB054F0505	Spotted seatrout	Whole Body	Cadmium	3B	33	6	27	0.264	mg/kg	0.00150	mg/kg	N	0.00567
BIST005	UB051F0511	Gulf killifish	Whole Body	Cadmium	1	13	1	12	0.252	mg/kg	0.00500	mg/kg	N	0.0198
BIST006	MB012F0610	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0200	mg/kg	Y	0.0716
BIST006	MB014F0628	White mullet	Whole Body	Cadmium	3A	32	2	30	0.279	mg/kg	0.00250	mg/kg	N	0.00895
BIST006	MB011F0624	Gulf killifish	Whole Body	Cadmium	1	15	2	13	0.257	mg/kg	0.00500	mg/kg	N	0.0195
BIST006	MB012F0609	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0200	mg/kg	Y	0.0716
BIST006	MB012F0606	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0200	mg/kg	Y	0.0716
BIST006	MB014F0608	Spotted seatrout	Whole Body	Cadmium	3B	32	2	30	0.279	mg/kg	0.00150	mg/kg	N	0.00537
BIST006	MB012F0601	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0200	mg/kg	Y	0.0716
BIST006	MB012F0602	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0100	mg/kg	Y	0.0358
BIST006	MB012F0607	Spot	Whole Body	Cadmium	2B	3	1	2	0.225	mg/kg	0.00150	mg/kg	N	0.00667
BIST006	MB014F0604	Spotted seatrout	Whole Body	Cadmium	3B	32	2	30	0.279	mg/kg	0.00150	mg/kg	N	0.00537
BIST006	MB012F0604	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0100	mg/kg	Y	0.0358
BIST006	MB014F0605	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST006	MB012F0603	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0200	mg/kg	Y	0.0716
BIST006	MB012F0605	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0200	mg/kg	Y	0.0716
BIST006	MB011F0605	Gulf killifish	Whole Body	Cadmium	1	15	2	13	0.257	mg/kg	0.00500	mg/kg	N	0.0195
BIST006	MB014F0612	Spotted seatrout	Whole Body	Cadmium	3B	32	2	30	0.279	mg/kg	0.00150	mg/kg	N	0.00537
BIST006	MB014F0615	Sand seatrout	Whole Body	Cadmium	3B	32	2	30	0.279	mg/kg	0.00150	mg/kg	N	0.00537
BIST006	MB011F0616	Gulf killifish	Whole Body	Cadmium	1	15	2	13	0.257	mg/kg	0.0200	mg/kg	N	0.0779
BIST006	MB011F0607	Gulf killifish	Whole Body	Cadmium	1	15	2	13	0.257	mg/kg	0.00500	mg/kg	N	0.0195
BIST006	MB012F0613	Gulf menhaden	Whole Body	Cadmium	2A	32	2	30	0.279	mg/kg	0.0100	mg/kg	Y	0.0358
BIST006	MB012F0611	Spot	Whole Body	Cadmium	2B	3	1	2	0.225	mg/kg	0.00150	mg/kg	N	0.00667
BIST006	MB014F0603	Spotted seatrout	Whole Body	Cadmium	3B	32	2	30	0.279	mg/kg	0.00150	mg/kg	N	0.00537
BIST006	MB014F0630	Sand seatrout	Whole Body	Cadmium	3B	32	2	30	0.279	mg/kg	0.00150	mg/kg	N	0.00537
BIST006	MB014F0602	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST006	MB014F0601	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST006	MB012F0619	Spot	Whole Body	Cadmium	2B	3	1	2	0.225	mg/kg	0.00150	mg/kg	N	0.00667
BIST006	MB011F0615	Gulf killifish	Whole Body	Cadmium	1	15	2	13	0.257	mg/kg	0.00500	mg/kg	N	0.0195
BIST007	MB011F0704	Gulf killifish	Whole Body	Cadmium	1	12	2	10	0.226	mg/kg	0.00500	mg/kg	N	0.0221
BIST007	MB011F0702	Gulf killifish	Whole Body	Cadmium	1	12	2	10	0.226	mg/kg	0.00500	mg/kg	N	0.0221
BIST007	MB011F0703	Gulf killifish	Whole Body	Cadmium	1	12	2	10	0.226	mg/kg	0.00500	mg/kg	N	0.0221
BIST007	MB011F0708	Gulf killifish	Whole Body	Cadmium	1	12	2	10	0.226	mg/kg	0.00500	mg/kg	N	0.0221
BIST007	MB011F0706	Gulf killifish	Whole Body	Cadmium	1	12	2	10	0.226	mg/kg	0.00500	mg/kg	N	0.0221
BIST008	MB031V0802	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031V0803	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031F0811	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.417	mg/kg	0.00500	mg/kg	N	0.0120
BIST008	MB031V0807	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0803	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.417	mg/kg	0.00500	mg/kg	N	0.0120
BIST008	MB031F0805	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.417	mg/kg	0.00500	mg/kg	N	0.0120
BIST008	MB031V0801	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031V0818	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031V0812	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031V0813	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031V0808	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031F0804	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.417	mg/kg	0.00500	mg/kg	N	0.0120
BIST008	MB031V0810	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031V0811	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST008	MB031F0806	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.417	mg/kg	0.0200	mg/kg	N	0.0480
BIST008	MB031V0819	Shrimp	Shellfish	Cadmium	I 2A	47	5	42	0.404	mg/kg	0.00500	mg/kg	N	0.0124
BIST010	MB031F1006	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.413	mg/kg	0.0200	mg/kg	N	0.0484
BIST010	MB031F1004	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.413	mg/kg	0.0200	mg/kg	N	0.0484
BIST010	MB031F1013	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST010	MB031F1009	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST010	MB031F1001	Gulf killifish	Whole Body	Cadmium	1	20	5	15	0.413	mg/kg	0.0200	mg/kg	N	0.0484
BIST011	LB011F1101	Gulf killifish	Whole Body	Cadmium	1	29	6	23	0.467	mg/kg	0.00500	mg/kg	N	0.0107
BIST011	LB011F1103	Gulf killifish	Whole Body	Cadmium	1	29	6	23	0.467	mg/kg	0.00500	mg/kg	N	0.0107
BIST011	LB011F1105	Gulf killifish	Whole Body	Cadmium	1	29	6	23	0.467	mg/kg	0.00500	mg/kg	N	0.0107
BIST012	LB011F1201	Gulf killifish	Whole Body	Cadmium	1	34	7	27	0.407	mg/kg	0.00500	mg/kg	N	0.0123
BIST012	LB011F1202	Gulf killifish	Whole Body	Cadmium	1	34	7	27	0.407	mg/kg	0.00500	mg/kg	N	0.0123
BIST012	LB011F1204	Gulf killifish	Whole Body	Cadmium	1	34	7	27	0.407	mg/kg	0.00500	mg/kg	N	0.0123
BIST013	LB011F1305	Gulf killifish	Whole Body	Cadmium	1	36	8	28	0.379	mg/kg	0.00500	mg/kg	N	0.0132
BIST013	LB011F1302	Gulf killifish	Whole Body	Cadmium	1	36	8	28	0.379	mg/kg	0.00500	mg/kg	N	0.0132
BIST013	LB011F1301	Gulf killifish	Whole Body	Cadmium	1	36	8	28	0.379	mg/kg	0.00500	mg/kg	N	0.0132
BIST015	LB032F1503	Threadfin shad	Whole Body	Cadmium	2A	129	24	105	0.378	mg/kg	0.0100	mg/kg	Y	0.0265
BIST015	LB031F1502	Gulf killifish	Whole Body	Cadmium	1	40	7	33	0.386	mg/kg	0.00500	mg/kg	N	0.0130
BIST015	LB031F1504	Gulf killifish	Whole Body	Cadmium	1	40	7	33	0.386	mg/kg	0.00500	mg/kg	N	0.0130
BIST015	LB032F1504	Spot	Whole Body	Cadmium	2B	4	1	3	0.440	mg/kg	0.00150	mg/kg	N	0.00341
BIST015	LB032F1502	Gulf menhaden	Whole Body	Cadmium	2A	129	24	105	0.378	mg/kg	0.0200	mg/kg	Y	0.0529
BIST015	LB031F1506	Gulf killifish	Whole Body	Cadmium	1	40	7	33	0.386	mg/kg	0.00500	mg/kg	N	0.0130
BIST015	LB032F1505	Gulf menhaden	Whole Body	Cadmium	2A	129	24	105	0.378	mg/kg	0.0300	mg/kg	Y	0.0794
BIST015	LB032F1501	Gulf menhaden	Whole Body	Cadmium	2A	129	24	105	0.378	mg/kg	0.0100	mg/kg	Y	0.0265
BIST015	LB032F1506	Spot	Whole Body	Cadmium	2B	4	1	3	0.440	mg/kg	0.00150	mg/kg	N	0.00341
BIST015	LB033F1508	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1503	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1514	Striped mullet	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00400	mg/kg	Y	0.00969
BIST015	LB034F1504	Spotted seatrout	Whole Body	Cadmium	3B	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1516	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1513	Striped mullet	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST015	LB033F1504	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00500	mg/kg	N	0.0132
BIST015	LB033F1511	Striped mullet	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST015	LB033F1515	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00250	mg/kg	N	0.00661
BIST015	LB034F1506	Atlantic croaker	Whole Body	Cadmium	3B	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1507	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB032F1508	Threadfin shad	Whole Body	Cadmium	2A	129	24	105	0.378	mg/kg		mg/kg	N	
BIST015	LB034F1503	Spotted seatrout	Whole Body	Cadmium	3B	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1509	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1501	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1517	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1502	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00200	mg/kg	N	0.00529
BIST015	LB034F1501	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST015	LB033F1518	Gulf menhaden	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00500	mg/kg	N	0.0132
BIST015	LB034F1505	Spotted seatrout	Whole Body	Cadmium	3B	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB033F1510	Striped mullet	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST015	LB034F1502	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST015	LB033F1512	Striped mullet	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST015	LB033F1505	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00250	mg/kg	N	0.00661
BIST015	LB033F1506	Striped mullet	Whole Body	Cadmium	3A	129	24	105	0.378	mg/kg	0.00150	mg/kg	N	0.00397
BIST015	LB032F1507	Gulf menhaden	Whole Body	Cadmium	2A	129	24	105	0.378	mg/kg	0.0200	mg/kg	Y	0.0529
BIST016	LB031F1602	Gulf killifish	Whole Body	Cadmium	1	50	11	39	0.353	mg/kg	0.00500	mg/kg	N	0.0142
BIST016	LB031F1610	Gulf killifish	Whole Body	Cadmium	1	50	11	39	0.353	mg/kg	0.00500	mg/kg	N	0.0142
BIST016	LB031F1601	Gulf killifish	Whole Body	Cadmium	1	50	11	39	0.353	mg/kg	0.00500	mg/kg	N	0.0142
BIST017	LB031F1703	Gulf killifish	Whole Body	Cadmium	1	18	4	14	0.462	mg/kg	0.00500	mg/kg	N	0.0108
BIST017	LB031A1754	Mussels	Shellfish	Cadmium	I 1A	1	1	0	1.34	mg/kg	0.0700	mg/kg	Y	0.0522
BIST017	LB031F1704	Gulf killifish	Whole Body	Cadmium	1	18	4	14	0.462	mg/kg	0.00500	mg/kg	N	0.0108
BIST017	LB031A1753	Mussels	Shellfish	Cadmium	I 1A	1	1	0	1.34	mg/kg	0.0600	mg/kg	Y	0.0448
BIST017	LB031A1752	Mussels	Shellfish	Cadmium	I 1A	1	1	0	1.34	mg/kg	0.0700	mg/kg	Y	0.0522
BIST017	LB031F1702	Gulf killifish	Whole Body	Cadmium	1	18	4	14	0.462	mg/kg	0.00500	mg/kg	N	0.0108
BIST019	LB061F1902	Gulf killifish	Whole Body	Cadmium	1	38	8	30	0.313	mg/kg	0.00500	mg/kg	N	0.0160
BIST019	LB061F1903	Gulf killifish	Whole Body	Cadmium	1	38	8	30	0.313	mg/kg	0.00500	mg/kg	N	0.0160
BIST019	LB061F1901	Gulf killifish	Whole Body	Cadmium	1	38	8	30	0.313	mg/kg	0.00500	mg/kg	N	0.0160
BIST021	LB094F2124	Spotted seatrout	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB094F2141	Pinfish	Whole Body	Cadmium	3B	68	13	55	0.358	mg/kg	0.00150	mg/kg	N	0.00419
BIST021	LB094F2122	Spotted seatrout	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB093F2104	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00250	mg/kg	N	0.00606
BIST021	LB093F2106	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00200	mg/kg	N	0.00485
BIST021	LB093F2105	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB094F2101	Spotted seatrout	Whole Body	Cadmium	3B	68	13	55	0.358	mg/kg	0.00150	mg/kg	N	0.00419
BIST021	LB094F2104	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB094F2118	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB094F2151	Spotted seatrout	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB094F2134	Pinfish	Whole Body	Cadmium	3B	68	13	55	0.358	mg/kg	0.00150	mg/kg	N	0.00419
BIST021	LB093F2101	Striped mullet	Whole Body	Cadmium	3A	68	13	55	0.358	mg/kg	0.00150	mg/kg	N	0.00419
BIST021	LB094F2107	Atlantic croaker	Whole Body	Cadmium	3B	68	13	55	0.358	mg/kg	0.00150	mg/kg	N	0.00419
BIST021	LB094F2121	Spotted seatrout	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB093F2107	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST021	LB093F2103	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00250	mg/kg	N	0.00606
BIST021	LB094F2103	Red drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00150	mg/kg	N	0.00363
BIST021	LB094F2115	Black Drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00200	mg/kg	N	0.00485
BIST021	LB094F2120	Spotted seatrout	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.00400	mg/kg	Y	0.00969
BIST021	LB093F2108	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00500	mg/kg	N	0.0121
BIST021	LB093F2102	Gizzard shad	Whole Body	Cadmium	4A	259	43	216	0.413	mg/kg	0.00200	mg/kg	N	0.00485
BIST024	LB131F2408	Gulf killifish	Whole Body	Cadmium	1	47	7	40	0.273	mg/kg	0.00500	mg/kg	N	0.0183
BIST024	LB131F2406	Gulf killifish	Whole Body	Cadmium	1	47	7	40	0.273	mg/kg	0.00500	mg/kg	N	0.0183
BIST024	LB131F2402	Gulf killifish	Whole Body	Cadmium	1	47	7	40	0.273	mg/kg	0.00500	mg/kg	N	0.0183
BIST025	LB131F2502	Gulf killifish	Whole Body	Cadmium	1	47	8	39	0.315	mg/kg	0.00500	mg/kg	N	0.0159
BIST025	LB132F2502	Gulf menhaden	Whole Body	Cadmium	2A	119	21	98	0.365	mg/kg	0.0100	mg/kg	Y	0.0274
BIST025	LB132F2503	Spot	Whole Body	Cadmium	2B	2	1	1	0.260	mg/kg	0.00150	mg/kg	N	0.00577

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST025	LB131F2501	Gulf killifish	Whole Body	Cadmium	1	47	8	39	0.315	mg/kg	0.00500	mg/kg	N	0.0159
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Cadmium	1	47	8	39	0.315	mg/kg	0.00500	mg/kg	N	0.0159
BIST025	LB132F2501	Gulf menhaden	Whole Body	Cadmium	2A	119	21	98	0.365	mg/kg	0.0100	mg/kg	Y	0.0274
BIST026	LB131F2601	Gulf killifish	Whole Body	Cadmium	1	46	11	35	0.284	mg/kg	0.00500	mg/kg	N	0.0176
BIST026	LB131F2604	Gulf killifish	Whole Body	Cadmium	1	46	11	35	0.284	mg/kg	0.00500	mg/kg	N	0.0176
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Cadmium	1	31	7	24	0.425	mg/kg	0.00500	mg/kg	N	0.0118
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Cadmium	1	31	7	24	0.425	mg/kg	0.00500	mg/kg	N	0.0118
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Cadmium	1	31	7	24	0.425	mg/kg	0.00500	mg/kg	N	0.0118
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Cadmium	1	30	7	23	0.382	mg/kg	0.00500	mg/kg	N	0.0131
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Cadmium	1	30	7	23	0.382	mg/kg	0.00500	mg/kg	N	0.0131
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Cadmium	1	30	7	23	0.382	mg/kg	0.00500	mg/kg	N	0.0131
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Cadmium	1	31	7	24	0.437	mg/kg	0.00500	mg/kg	N	0.0115
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Cadmium	1	31	7	24	0.437	mg/kg	0.00500	mg/kg	N	0.0115
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Cadmium	1	31	7	24	0.437	mg/kg	0.00500	mg/kg	N	0.0115
BISTC01	BAYD4C0101	Blue crab	Shellfish	Cadmium	I 2B	67	14	53	0.343	mg/kg	0.0100	mg/kg	Y	0.0292
BISTC01	BAYD4C0103	Blue crab	Shellfish	Cadmium	I 2B	67	14	53	0.343	mg/kg	0.0500	mg/kg	Y	0.146
BISTC02	BAYD4C0201	Blue crab	Shellfish	Cadmium	I 2B	75	14	61	0.322	mg/kg	0.0300	mg/kg	Y	0.0931
BISTC02	BAYD4C0203	Blue crab	Shellfish	Cadmium	I 2B	75	14	61	0.322	mg/kg	0.0300	mg/kg	Y	0.0931
BISTC02	BAYD4C0205	Blue crab	Shellfish	Cadmium	I 2B	75	14	61	0.322	mg/kg	0.0300	mg/kg	Y	0.0931
BISTC03	BAYD4C0302	Blue crab	Shellfish	Cadmium	I 2B	103	18	85	0.346	mg/kg	0.0100	mg/kg	Y	0.0289
BISTC05	BAYD4C0502	Blue crab	Shellfish	Cadmium	I 2B	110	20	90	0.474	mg/kg	0.00500	mg/kg	N	0.0105
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Cadmium	2A	76	11	65	0.612	mg/kg	0.250	mg/kg	N	0.408
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Cadmium	I 2B	80	12	68	0.555	mg/kg	0.250	mg/kg	N	0.451
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Cadmium	3B	120	20	100	0.362	mg/kg	0.250	mg/kg	N	0.690
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Cadmium	4B	259	43	216	0.413	mg/kg	0.250	mg/kg	N	0.606
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Cadmium	3B	120	20	100	0.362	mg/kg	0.250	mg/kg	N	0.690
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Cadmium	3B	120	20	100	0.362	mg/kg	0.250	mg/kg	N	0.690
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Cadmium	3B	121	21	100	0.362	mg/kg	0.250	mg/kg	N	0.691
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Cadmium	I 1A	1	0	1	0.0550	mg/kg	0.250	mg/kg	N	4.55
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Cadmium	I 1B	2	0	2	0.323	mg/kg	0.250	mg/kg	N	0.775
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Cadmium	I 1A	1	0	1	0.170	mg/kg	0.140	mg/kg	N	0.824
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Cadmium	I 1A	1	0	1	0.170	mg/kg	0.145	mg/kg	N	0.853
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Cadmium	I 1A	1	0	1	0.0950	mg/kg	0.145	mg/kg	N	1.53
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Cadmium	I 1A	1	0	1	0.0950	mg/kg	0.130	mg/kg	N	1.37
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Cadmium	I 1A	1	0	1	0.300	mg/kg	0.0330	mg/kg	N	0.110
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Cadmium	I 1B	1	0	1	0.325	mg/kg	0.0610	mg/kg	Y	0.188
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Cadmium	I 1B	1	0	1	0.360	mg/kg	0.0660	mg/kg	Y	0.183
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Cadmium	I 1B	2	0	2	0.305	mg/kg	0.0530	mg/kg	Y	0.174
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Cadmium	I 1B	2	0	2	0.153	mg/kg	0.0700	mg/kg	Y	0.459
BIST004	UB041F0404	Gulf killifish	Whole Body	Chromium	1	13	13	0	49.2	mg/kg	0.250	mg/kg	Y	0.00508
BIST004	UB041F0402	Gulf killifish	Whole Body	Chromium	1	13	13	0	49.2	mg/kg	0.260	mg/kg	Y	0.00528
BIST004	UB041F0401	Gulf killifish	Whole Body	Chromium	1	13	13	0	49.2	mg/kg	0.330	mg/kg	Y	0.00671
BIST005	UB054F0507	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	95.8	mg/kg	0.360	mg/kg	Y	0.00376
BIST005	UB051F0503	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.370	mg/kg	Y	0.00718
BIST005	UB051F0509	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.220	mg/kg	Y	0.00427
BIST005	UB054F0515	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.310	mg/kg	Y	0.00385
BIST005	UB051F0525	Sailfin molly	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.790	mg/kg	Y	0.0153
BIST005	UB054F0502	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.280	mg/kg	Y	0.00348
BIST005	UB054F0505	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	95.8	mg/kg	0.180	mg/kg	Y	0.00188
BIST005	UB051F0523	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.570	mg/kg	Y	0.0111

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0508	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	95.8	mg/kg	0.290	mg/kg	Y	0.00303
BIST005	UB054F0506	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	95.8	mg/kg	0.320	mg/kg	Y	0.00334
BIST005	UB051F0508	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.440	mg/kg	Y	0.00854
BIST005	UB051F0520	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.280	mg/kg	Y	0.00543
BIST005	UB054F0516	Skipjack herring	Whole Body	Chromium	3A	30	30	0	95.8	mg/kg	0.240	mg/kg	Y	0.00250
BIST005	UB054B0505	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0660	mg/kg	N	0.00157
BIST005	UB051F0511	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.310	mg/kg	Y	0.00601
BIST005	UB054F0511	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	95.8	mg/kg	0.260	mg/kg	Y	0.00271
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.380	mg/kg	Y	0.00737
BIST005	UB051F0504	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.480	mg/kg	Y	0.00931
BIST005	UB054F0501	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.0500	mg/kg	N	0.000621
BIST005	UB051F0501	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.480	mg/kg	Y	0.00931
BIST005	UB051F0512	Sailfin molly	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.480	mg/kg	Y	0.00931
BIST005	UB051F0505	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.330	mg/kg	Y	0.00640
BIST005	UB051F0515	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.290	mg/kg	Y	0.00563
BIST005	UB051F0516	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.190	mg/kg	Y	0.00369
BIST005	UB051F0510	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.370	mg/kg	Y	0.00718
BIST005	UB054F0514	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.0550	mg/kg	N	0.000684
BIST005	UB054F0504	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.250	mg/kg	Y	0.00311
BIST005	UB051F0502	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.320	mg/kg	Y	0.00621
BIST005	UB054B0504	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0600	mg/kg	N	0.00143
BIST005	UB054F0503	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.190	mg/kg	Y	0.00236
BIST005	UB051F0518	Gulf killifish	Whole Body	Chromium	1	12	12	0	51.6	mg/kg	0.470	mg/kg	Y	0.00912
BIST005	UB054B0503	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0660	mg/kg	N	0.00157
BIST005	UB054B0502	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0540	mg/kg	N	0.00129
BIST005	UB054B0506	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0720	mg/kg	N	0.00172
BIST005	UB054B0501	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0780	mg/kg	N	0.00186
BIST005	UB052F0501	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	95.8	mg/kg	0.900	mg/kg	Y	0.00939
BIST006	MB014F0608	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	112	mg/kg	0.250	mg/kg	Y	0.00223
BIST006	MB014F0630	Sand seatrout	Whole Body	Chromium	3B	30	30	0	112	mg/kg	0.220	mg/kg	Y	0.00196
BIST006	MB014F0615	Sand seatrout	Whole Body	Chromium	3B	30	30	0	112	mg/kg	0.260	mg/kg	Y	0.00232
BIST006	MB014F0612	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	112	mg/kg	0.240	mg/kg	Y	0.00214
BIST006	MB014F0628	White mullet	Whole Body	Chromium	3A	30	30	0	112	mg/kg	0.600	mg/kg	Y	0.00536
BIST006	MB014B0604	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0600	mg/kg	N	0.00143
BIST006	MB014F0603	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	112	mg/kg	0.220	mg/kg	Y	0.00196
BIST006	MB011F0624	Gulf killifish	Whole Body	Chromium	1	13	13	0	109	mg/kg	0.310	mg/kg	Y	0.00283
BIST006	MB011F0607	Gulf killifish	Whole Body	Chromium	1	13	13	0	109	mg/kg	0.250	mg/kg	Y	0.00228
BIST006	MB014B0602	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.180	mg/kg	Y	0.00429
BIST006	MB012F0602	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	0.620	mg/kg	Y	0.00554
BIST006	MB011F0615	Gulf killifish	Whole Body	Chromium	1	13	13	0	109	mg/kg	0.410	mg/kg	Y	0.00375
BIST006	MB014F0602	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.400	mg/kg	Y	0.00497
BIST006	MB014B0603	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.156	mg/kg	Y	0.00372
BIST006	MB012F0603	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	1.30	mg/kg	Y	0.0116
BIST006	MB014F0601	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.200	mg/kg	Y	0.00249
BIST006	MB012F0609	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	1.40	mg/kg	Y	0.0125
BIST006	MB014B0605	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.132	mg/kg	Y	0.00314
BIST006	MB014B0606	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.144	mg/kg	Y	0.00343
BIST006	MB014B0607	Red drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.156	mg/kg	Y	0.00372
BIST006	MB012F0611	Spot	Whole Body	Chromium	2B	2	2	0	57.1	mg/kg	0.300	mg/kg	Y	0.00525
BIST006	MB011F0616	Gulf killifish	Whole Body	Chromium	1	13	13	0	109	mg/kg	0.310	mg/kg	Y	0.00283

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0601	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	1.00	mg/kg	Y	0.00893
BIST006	MB012F0607	Spot	Whole Body	Chromium	2B	2	2	0	57.1	mg/kg	0.620	mg/kg	Y	0.0109
BIST006	MB011F0605	Gulf killifish	Whole Body	Chromium	1	13	13	0	109	mg/kg	0.370	mg/kg	Y	0.00338
BIST006	MB012F0604	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	0.940	mg/kg	Y	0.00839
BIST006	MB012F0619	Spot	Whole Body	Chromium	2B	2	2	0	57.1	mg/kg	0.350	mg/kg	Y	0.00613
BIST006	MB012F0613	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	0.750	mg/kg	Y	0.00670
BIST006	MB014F0605	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.200	mg/kg	Y	0.00249
BIST006	MB012F0605	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	1.10	mg/kg	Y	0.00982
BIST006	MB012F0610	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	1.40	mg/kg	Y	0.0125
BIST006	MB012F0606	Gulf menhaden	Whole Body	Chromium	2A	30	30	0	112	mg/kg	1.40	mg/kg	Y	0.0125
BIST006	MB014F0604	Spotted seatrout	Whole Body	Chromium	3B	30	30	0	112	mg/kg	0.230	mg/kg	Y	0.00205
BIST007	MB011F0702	Gulf killifish	Whole Body	Chromium	1	10	10	0	48.1	mg/kg	0.290	mg/kg	Y	0.00603
BIST007	MB011F0706	Gulf killifish	Whole Body	Chromium	1	10	10	0	48.1	mg/kg	0.380	mg/kg	Y	0.00790
BIST007	MB011F0704	Gulf killifish	Whole Body	Chromium	1	10	10	0	48.1	mg/kg	0.420	mg/kg	Y	0.00873
BIST007	MB011F0708	Gulf killifish	Whole Body	Chromium	1	10	10	0	48.1	mg/kg	0.360	mg/kg	Y	0.00748
BIST007	MB011F0703	Gulf killifish	Whole Body	Chromium	1	10	10	0	48.1	mg/kg	0.380	mg/kg	Y	0.00790
BIST008	MB031V0816	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	1.40	mg/kg	Y	0.00793
BIST008	MB031V0817	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	1.10	mg/kg	Y	0.00623
BIST008	MB031V0818	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.520	mg/kg	Y	0.00295
BIST008	MB031F0804	Gulf killifish	Whole Body	Chromium	1	17	17	0	183	mg/kg	0.500	mg/kg	Y	0.00273
BIST008	MB031F0806	Gulf killifish	Whole Body	Chromium	1	17	17	0	183	mg/kg	0.350	mg/kg	Y	0.00191
BIST008	MB031F0803	Gulf killifish	Whole Body	Chromium	1	17	17	0	183	mg/kg	0.350	mg/kg	Y	0.00191
BIST008	MB031F0805	Gulf killifish	Whole Body	Chromium	1	17	17	0	183	mg/kg	0.350	mg/kg	Y	0.00191
BIST008	MB031V0812	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.810	mg/kg	Y	0.00459
BIST008	MB031V0811	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.970	mg/kg	Y	0.00549
BIST008	MB031V0813	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.810	mg/kg	Y	0.00459
BIST008	MB031V0819	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.910	mg/kg	Y	0.00515
BIST008	MB031V0807	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.740	mg/kg	Y	0.00419
BIST008	MB031V0810	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.770	mg/kg	Y	0.00436
BIST008	MB031V0801	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.780	mg/kg	Y	0.00442
BIST008	MB031V0808	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	1.20	mg/kg	Y	0.00680
BIST008	MB031V0802	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.610	mg/kg	Y	0.00346
BIST008	MB031V0803	Shrimp	Shellfish	Chromium	I 2A	44	44	0	177	mg/kg	0.410	mg/kg	Y	0.00232
BIST008	MB031F0811	Gulf killifish	Whole Body	Chromium	1	17	17	0	183	mg/kg	0.380	mg/kg	Y	0.00207
BIST010	MB031F1001	Gulf killifish	Whole Body	Chromium	1	17	17	0	145	mg/kg	0.450	mg/kg	Y	0.00311
BIST010	MB031F1009	Gulf killifish	Whole Body	Chromium	1	17	17	0	145	mg/kg	0.380	mg/kg	Y	0.00262
BIST010	MB031F1006	Gulf killifish	Whole Body	Chromium	1	17	17	0	145	mg/kg	0.450	mg/kg	Y	0.00311
BIST010	MB031F1004	Gulf killifish	Whole Body	Chromium	1	17	17	0	145	mg/kg	2.10	mg/kg	Y	0.0145
BIST010	MB031F1013	Gulf killifish	Whole Body	Chromium	1	17	17	0	145	mg/kg	0.430	mg/kg	Y	0.00297
BIST011	LB011F1103	Gulf killifish	Whole Body	Chromium	1	23	23	0	94.1	mg/kg	0.410	mg/kg	Y	0.00436
BIST011	LB011F1105	Gulf killifish	Whole Body	Chromium	1	23	23	0	94.1	mg/kg	0.350	mg/kg	Y	0.00372
BIST011	LB011F1101	Gulf killifish	Whole Body	Chromium	1	23	23	0	94.1	mg/kg	0.390	mg/kg	Y	0.00414
BIST012	LB011F1204	Gulf killifish	Whole Body	Chromium	1	25	25	0	74.9	mg/kg	0.410	mg/kg	Y	0.00548
BIST012	LB011F1202	Gulf killifish	Whole Body	Chromium	1	25	25	0	74.9	mg/kg	0.360	mg/kg	Y	0.00481
BIST012	LB011F1201	Gulf killifish	Whole Body	Chromium	1	25	25	0	74.9	mg/kg	0.310	mg/kg	Y	0.00414
BIST013	LB011F1305	Gulf killifish	Whole Body	Chromium	1	26	26	0	73.0	mg/kg	0.310	mg/kg	Y	0.00425
BIST013	LB011F1301	Gulf killifish	Whole Body	Chromium	1	26	26	0	73.0	mg/kg	0.570	mg/kg	Y	0.00781
BIST013	LB011F1302	Gulf killifish	Whole Body	Chromium	1	26	26	0	73.0	mg/kg	0.400	mg/kg	Y	0.00548
BIST015	LB031F1506	Gulf killifish	Whole Body	Chromium	1	31	31	0	58.2	mg/kg	0.330	mg/kg	Y	0.00567
BIST015	LB032F1506	Spot	Whole Body	Chromium	2B	3	3	0	48.8	mg/kg	0.580	mg/kg	Y	0.0119

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB031F1504	Gulf killifish	Whole Body	Chromium	1	31	31	0	58.2	mg/kg	0.260	mg/kg	Y	0.00446
BIST015	LB031F1502	Gulf killifish	Whole Body	Chromium	1	31	31	0	58.2	mg/kg	0.390	mg/kg	Y	0.00670
BIST015	LB032F1504	Spot	Whole Body	Chromium	2B	3	3	0	48.8	mg/kg	0.340	mg/kg	Y	0.00696
BIST015	LB032F1501	Gulf menhaden	Whole Body	Chromium	2A	111	111	0	53.4	mg/kg	0.810	mg/kg	Y	0.0152
BIST015	LB032F1505	Gulf menhaden	Whole Body	Chromium	2A	111	111	0	53.4	mg/kg	1.10	mg/kg	Y	0.0206
BIST015	LB032F1503	Threadfin shad	Whole Body	Chromium	2A	111	111	0	53.4	mg/kg	0.400	mg/kg	Y	0.00749
BIST015	LB032F1502	Gulf menhaden	Whole Body	Chromium	2A	111	111	0	53.4	mg/kg	0.880	mg/kg	Y	0.0165
BIST015	LB032F1508	Threadfin shad	Whole Body	Chromium	2A	111	111	0	53.4	mg/kg		mg/kg	N	
BIST015	LB033F1508	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.720	mg/kg	Y	0.0135
BIST015	LB033F1518	Gulf menhaden	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.780	mg/kg	Y	0.0146
BIST015	LB033F1502	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.340	mg/kg	Y	0.00636
BIST015	LB034F1503	Spotted seatrout	Whole Body	Chromium	3B	111	111	0	53.4	mg/kg	0.200	mg/kg	Y	0.00374
BIST015	LB033F1512	Striped mullet	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	1.40	mg/kg	Y	0.0174
BIST015	LB034F1501	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.230	mg/kg	Y	0.00286
BIST015	LB033F1516	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.620	mg/kg	Y	0.0116
BIST015	LB033F1515	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.290	mg/kg	Y	0.00543
BIST015	LB033F1511	Striped mullet	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.330	mg/kg	Y	0.00410
BIST015	LB033F1501	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.390	mg/kg	Y	0.00730
BIST015	LB033F1504	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.510	mg/kg	Y	0.00955
BIST015	LB033F1517	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.380	mg/kg	Y	0.00711
BIST015	LB033F1510	Striped mullet	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.300	mg/kg	Y	0.00373
BIST015	LB034F1505	Spotted seatrout	Whole Body	Chromium	3B	111	111	0	53.4	mg/kg	0.200	mg/kg	Y	0.00374
BIST015	LB034F1506	Atlantic croaker	Whole Body	Chromium	3B	111	111	0	53.4	mg/kg	0.310	mg/kg	Y	0.00580
BIST015	LB033F1505	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.590	mg/kg	Y	0.0110
BIST015	LB032F1507	Gulf menhaden	Whole Body	Chromium	2A	111	111	0	53.4	mg/kg	1.00	mg/kg	Y	0.0187
BIST015	LB033F1509	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.0950	mg/kg	N	0.00178
BIST015	LB034F1502	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.210	mg/kg	Y	0.00261
BIST015	LB033F1506	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.240	mg/kg	Y	0.00449
BIST015	LB034F1504	Spotted seatrout	Whole Body	Chromium	3B	111	111	0	53.4	mg/kg	0.190	mg/kg	Y	0.00356
BIST015	LB033F1514	Striped mullet	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.230	mg/kg	Y	0.00286
BIST015	LB033F1503	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.380	mg/kg	Y	0.00711
BIST015	LB033F1513	Striped mullet	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.340	mg/kg	Y	0.00423
BIST015	LB033F1507	Striped mullet	Whole Body	Chromium	3A	111	111	0	53.4	mg/kg	0.440	mg/kg	Y	0.00824
BIST016	LB031F1610	Gulf killifish	Whole Body	Chromium	1	42	42	0	52.9	mg/kg	0.330	mg/kg	Y	0.00623
BIST016	LB031F1601	Gulf killifish	Whole Body	Chromium	1	42	42	0	52.9	mg/kg	0.260	mg/kg	Y	0.00491
BIST016	LB031F1602	Gulf killifish	Whole Body	Chromium	1	42	42	0	52.9	mg/kg	0.330	mg/kg	Y	0.00623
BIST017	LB031F1703	Gulf killifish	Whole Body	Chromium	1	15	15	0	53.7	mg/kg	0.300	mg/kg	Y	0.00559
BIST017	LB031F1704	Gulf killifish	Whole Body	Chromium	1	15	15	0	53.7	mg/kg	0.260	mg/kg	Y	0.00484
BIST017	LB031A1754	Mussels	Shellfish	Chromium	I 1A	1	1	0	59.8	mg/kg	0.0600	mg/kg	N	0.00100
BIST017	LB031A1753	Mussels	Shellfish	Chromium	I 1A	1	1	0	59.8	mg/kg	0.165	mg/kg	N	0.00276
BIST017	LB031F1702	Gulf killifish	Whole Body	Chromium	1	15	15	0	53.7	mg/kg	0.280	mg/kg	Y	0.00521
BIST017	LB031A1752	Mussels	Shellfish	Chromium	I 1A	1	1	0	59.8	mg/kg	0.0750	mg/kg	N	0.00125
BIST019	LB061F1903	Gulf killifish	Whole Body	Chromium	1	33	33	0	60.3	mg/kg	0.240	mg/kg	Y	0.00398
BIST019	LB061F1901	Gulf killifish	Whole Body	Chromium	1	33	33	0	60.3	mg/kg	0.270	mg/kg	Y	0.00448
BIST019	LB061F1902	Gulf killifish	Whole Body	Chromium	1	33	33	0	60.3	mg/kg	0.330	mg/kg	Y	0.00547
BIST021	LB094F2120	Spotted seatrout	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.130	mg/kg	Y	0.00162
BIST021	LB094F2118	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.490	mg/kg	Y	0.00609
BIST021	LB093F2101	Striped mullet	Whole Body	Chromium	3A	62	62	0	39.8	mg/kg	0.270	mg/kg	Y	0.00678
BIST021	LB094F2115	Black Drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.290	mg/kg	Y	0.00360
BIST021	LB093F2104	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.180	mg/kg	Y	0.00224

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2134	Pinfish	Whole Body	Chromium	3B	62	62	0	39.8	mg/kg	0.360	mg/kg	Y	0.00904
BIST021	LB094F2107	Atlantic croaker	Whole Body	Chromium	3B	62	62	0	39.8	mg/kg	0.300	mg/kg	Y	0.00753
BIST021	LB093F2105	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.300	mg/kg	Y	0.00373
BIST021	LB094F2121	Spotted seatrout	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.120	mg/kg	Y	0.00149
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.144	mg/kg	Y	0.00343
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.192	mg/kg	Y	0.00457
BIST021	LB094F2151	Spotted seatrout	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.110	mg/kg	Y	0.00137
BIST021	LB094F2101	Spotted seatrout	Whole Body	Chromium	3B	62	62	0	39.8	mg/kg	0.330	mg/kg	Y	0.00828
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.120	mg/kg	Y	0.00286
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.156	mg/kg	Y	0.00372
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.144	mg/kg	Y	0.00343
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.0600	mg/kg	N	0.00143
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.00600	mg/kg	N	0.000143
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.156	mg/kg	Y	0.00372
BIST021	LB094F2103	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.0800	mg/kg	Y	0.000994
BIST021	LB093F2102	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.110	mg/kg	Y	0.00137
BIST021	LB094F2124	Spotted seatrout	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.110	mg/kg	Y	0.00137
BIST021	LB094F2104	Red drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.260	mg/kg	Y	0.00323
BIST021	LB093F2108	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.570	mg/kg	Y	0.00708
BIST021	LB093F2107	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.280	mg/kg	Y	0.00348
BIST021	LB094F2122	Spotted seatrout	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.120	mg/kg	Y	0.00149
BIST021	LB094F2141	Pinfish	Whole Body	Chromium	3B	62	62	0	39.8	mg/kg	0.270	mg/kg	Y	0.00678
BIST021	LB093F2103	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.480	mg/kg	Y	0.00597
BIST021	LB093F2106	Gizzard shad	Whole Body	Chromium	4A	235	235	0	80.5	mg/kg	0.190	mg/kg	Y	0.00236
BIST024	LB131F2408	Gulf killifish	Whole Body	Chromium	1	43	43	0	66.3	mg/kg	0.290	mg/kg	Y	0.00437
BIST024	LB131F2402	Gulf killifish	Whole Body	Chromium	1	43	43	0	66.3	mg/kg	0.290	mg/kg	Y	0.00437
BIST024	LB131F2406	Gulf killifish	Whole Body	Chromium	1	43	43	0	66.3	mg/kg	0.330	mg/kg	Y	0.00498
BIST025	LB132F2502	Gulf menhaden	Whole Body	Chromium	2A	102	102	0	58.0	mg/kg	0.540	mg/kg	Y	0.00932
BIST025	LB132F2501	Gulf menhaden	Whole Body	Chromium	2A	102	102	0	58.0	mg/kg	0.610	mg/kg	Y	0.0105
BIST025	LB131F2502	Gulf killifish	Whole Body	Chromium	1	41	41	0	69.6	mg/kg	0.350	mg/kg	Y	0.00503
BIST025	LB132F2503	Spot	Whole Body	Chromium	2B	1	1	0	25.4	mg/kg	0.220	mg/kg	Y	0.00866
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Chromium	1	41	41	0	69.6	mg/kg	0.520	mg/kg	Y	0.00747
BIST025	LB131F2501	Gulf killifish	Whole Body	Chromium	1	41	41	0	69.6	mg/kg	0.430	mg/kg	Y	0.00618
BIST026	LB131F2601	Gulf killifish	Whole Body	Chromium	1	34	34	0	70.6	mg/kg	0.390	mg/kg	Y	0.00552
BIST026	LB131F2604	Gulf killifish	Whole Body	Chromium	1	34	34	0	70.6	mg/kg	0.350	mg/kg	Y	0.00495
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Chromium	1	22	22	0	67.3	mg/kg	0.250	mg/kg	Y	0.00372
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Chromium	1	22	22	0	67.3	mg/kg	0.320	mg/kg	Y	0.00476
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Chromium	1	22	22	0	67.3	mg/kg	0.290	mg/kg	Y	0.00431
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Chromium	1	20	20	0	61.9	mg/kg	0.250	mg/kg	Y	0.00404
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Chromium	1	20	20	0	61.9	mg/kg	0.240	mg/kg	Y	0.00388
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Chromium	1	20	20	0	61.9	mg/kg	0.250	mg/kg	Y	0.00404
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Chromium	1	21	21	0	70.5	mg/kg	0.400	mg/kg	Y	0.00568
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Chromium	1	21	21	0	70.5	mg/kg	0.370	mg/kg	Y	0.00525
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Chromium	1	21	21	0	70.5	mg/kg	0.360	mg/kg	Y	0.00511
BISTC01	BAYD4C0101	Blue crab	Shellfish	Chromium	I 2B	61	61	0	44.2	mg/kg	0.0800	mg/kg	N	0.00181
BISTC01	BAYD4C0103	Blue crab	Shellfish	Chromium	I 2B	61	61	0	44.2	mg/kg	0.0850	mg/kg	N	0.00193
BISTC02	BAYD4C0205	Blue crab	Shellfish	Chromium	I 2B	68	68	0	48.2	mg/kg	0.0650	mg/kg	N	0.00135
BISTC02	BAYD4C0203	Blue crab	Shellfish	Chromium	I 2B	68	68	0	48.2	mg/kg	0.0700	mg/kg	N	0.00145
BISTC02	BAYD4C0201	Blue crab	Shellfish	Chromium	I 2B	68	68	0	48.2	mg/kg	0.130	mg/kg	Y	0.00270
BISTC03	BAYD4C0302	Blue crab	Shellfish	Chromium	I 2B	93	93	0	47.6	mg/kg	0.0400	mg/kg	N	0.000840

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC05	BAYD4C0502	Blue crab	Shellfish	Chromium	I 2B	95	95	0	78.4	mg/kg	0.0550	mg/kg	N	0.000702
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Chromium	2A	69	69	0	136	mg/kg	0.920	mg/kg	Y	0.00676
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Chromium	I 2B	69	69	0	115	mg/kg	0.810	mg/kg	Y	0.00707
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Chromium	3B	69	69	0	115	mg/kg	0.600	mg/kg	N	0.0100
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.612	mg/kg	Y	0.0146
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.600	mg/kg	N	0.0143
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Chromium	3B	71	71	0	103	mg/kg	0.600	mg/kg	N	0.0112
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Chromium	4B	235	235	0	80.5	mg/kg	0.590	mg/kg	Y	0.00733
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Chromium	3B	104	104	0	59.5	mg/kg	0.460	mg/kg	Y	0.00773
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Chromium	3B	104	104	0	59.5	mg/kg	0.500	mg/kg	N	0.00840
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Chromium	3B	104	104	0	59.5	mg/kg	0.500	mg/kg	N	0.00840
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Chromium	3B	104	104	0	58.8	mg/kg	0.780	mg/kg	Y	0.0133
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.600	mg/kg	N	0.0143
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Chromium	4B	235	235	0	80.5	mg/kg	0.600	mg/kg	N	0.0143
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Chromium	3B	94	94	0	51.9	mg/kg	0.600	mg/kg	N	0.0221
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Chromium	3B	94	94	0	51.9	mg/kg	0.600	mg/kg	N	0.0221
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Chromium	I 1A	1	1	0	19.3	mg/kg	0.500	mg/kg	N	0.0259
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Chromium	I 1B	2	2	0	44.2	mg/kg	0.500	mg/kg	N	0.0113
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Chromium	I 1A	1	1	0	12.4	mg/kg	0.230	mg/kg	Y	0.0185
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Chromium	I 1A	1	1	0	12.4	mg/kg	0.200	mg/kg	Y	0.0161
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Chromium	I 1A	1	1	0	40.7	mg/kg	0.180	mg/kg	Y	0.00442
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Chromium	I 1A	1	1	0	40.7	mg/kg	0.100	mg/kg	Y	0.00246
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Chromium	I 1A	1	1	0	23.2	mg/kg	0.170	mg/kg	Y	0.00733
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Chromium	I 1B	1	1	0	59.5	mg/kg	0.210	mg/kg	N	0.00353
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Chromium	I 1B	1	1	0	153	mg/kg	0.485	mg/kg	N	0.00317
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Chromium	I 1B	3	3	0	69.5	mg/kg	1.20	mg/kg	Y	0.0173
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Chromium	I 1B	3	3	0	27.8	mg/kg	1.30	mg/kg	Y	0.0467
BIST004	UB041F0402	Gulf killifish	Whole Body	Chrysene	1	15	3	12	756	ug/kg	20.0	ug/kg	N	0.0265
BIST004	UB041F0404	Gulf killifish	Whole Body	Chrysene	1	15	3	12	756	ug/kg	100.0	ug/kg	N	0.132
BIST004	UB041F0401	Gulf killifish	Whole Body	Chrysene	1	15	3	12	756	ug/kg	100.0	ug/kg	N	0.132
BIST005	UB054F0516	Skipjack herring	Whole Body	Chrysene	3A	34	7	27	615	ug/kg	25.0	ug/kg	N	0.0407
BIST005	UB054F0515	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST005	UB054F0505	Spotted seatrout	Whole Body	Chrysene	3B	34	7	27	615	ug/kg	25.0	ug/kg	N	0.0407
BIST005	UB051F0518	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262
BIST005	UB051F0504	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	40.0	ug/kg	N	0.0525
BIST005	UB051F0516	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	40.0	ug/kg	N	0.0525
BIST005	UB051F0520	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	40.0	ug/kg	N	0.0525
BIST005	UB051F0525	Sailfin molly	Whole Body	Chrysene	1	13	4	9	762	ug/kg	60.0	ug/kg	N	0.0787
BIST005	UB052F0501	Gulf menhaden	Whole Body	Chrysene	2A	34	7	27	615	ug/kg	100.0	ug/kg	N	0.163
BIST005	UB051F0515	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	100.0	ug/kg	N	0.131
BIST005	UB051F0503	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	40.0	ug/kg	N	0.0525
BIST005	UB051F0512	Sailfin molly	Whole Body	Chrysene	1	13	4	9	762	ug/kg	80.0	ug/kg	N	0.105
BIST005	UB054F0502	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST005	UB054F0503	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST005	UB051F0502	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262
BIST005	UB054F0504	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST005	UB051F0511	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262
BIST005	UB054F0506	Spotted seatrout	Whole Body	Chrysene	3B	34	7	27	615	ug/kg	25.0	ug/kg	N	0.0407
BIST005	UB051F0508	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0514	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	20.0	ug/kg	N	0.0187
BIST005	UB051F0510	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262
BIST005	UB054F0507	Spotted seatrout	Whole Body	Chrysene	3B	34	7	27	615	ug/kg	25.0	ug/kg	N	0.0407
BIST005	UB054F0501	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	20.0	ug/kg	N	0.0187
BIST005	UB054F0511	Spotted seatrout	Whole Body	Chrysene	3B	34	7	27	615	ug/kg	25.0	ug/kg	N	0.0407
BIST005	UB054F0508	Spotted seatrout	Whole Body	Chrysene	3B	34	7	27	615	ug/kg	25.0	ug/kg	N	0.0407
BIST005	UB051F0501	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	40.0	ug/kg	N	0.0525
BIST005	UB051F0509	Gulf killifish	Whole Body	Chrysene	1	13	4	9	762	ug/kg	20.0	ug/kg	N	0.0262
BIST006	MB012F0606	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	60.0	ug/kg	N	0.0891
BIST006	MB014F0605	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST006	MB012F0607	Spot	Whole Body	Chrysene	2B	3	1	2	299	ug/kg	80.0	ug/kg	N	0.268
BIST006	MB014F0603	Spotted seatrout	Whole Body	Chrysene	3B	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST006	MB014F0604	Spotted seatrout	Whole Body	Chrysene	3B	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST006	MB014F0608	Spotted seatrout	Whole Body	Chrysene	3B	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST006	MB012F0603	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	40.0	ug/kg	N	0.0594
BIST006	MB011F0615	Gulf killifish	Whole Body	Chrysene	1	15	4	11	354	ug/kg	200	ug/kg	N	0.565
BIST006	MB014F0612	Spotted seatrout	Whole Body	Chrysene	3B	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST006	MB012F0613	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	20.0	ug/kg	N	0.0297
BIST006	MB014F0601	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST006	MB011F0605	Gulf killifish	Whole Body	Chrysene	1	15	4	11	354	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB012F0610	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	60.0	ug/kg	N	0.0891
BIST006	MB012F0609	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	160	ug/kg	N	0.238
BIST006	MB012F0619	Spot	Whole Body	Chrysene	2B	3	1	2	299	ug/kg	60.0	ug/kg	N	0.201
BIST006	MB012F0602	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	60.0	ug/kg	N	0.0891
BIST006	MB011F0616	Gulf killifish	Whole Body	Chrysene	1	15	4	11	354	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB012F0611	Spot	Whole Body	Chrysene	2B	3	1	2	299	ug/kg	60.0	ug/kg	N	0.201
BIST006	MB011F0624	Gulf killifish	Whole Body	Chrysene	1	15	4	11	354	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB014F0615	Sand seatrout	Whole Body	Chrysene	3B	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST006	MB012F0601	Gulf menhaden	Whole Body	Chrysene	2A	32	5	27	674	ug/kg	80.0	ug/kg	N	0.119
BIST006	MB014F0602	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST006	MB011F0607	Gulf killifish	Whole Body	Chrysene	1	15	4	11	354	ug/kg	200	ug/kg	N	0.565
BIST006	MB014F0630	Sand seatrout	Whole Body	Chrysene	3B	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST006	MB014F0628	White mullet	Whole Body	Chrysene	3A	32	5	27	674	ug/kg	25.0	ug/kg	N	0.0371
BIST007	MB011F0703	Gulf killifish	Whole Body	Chrysene	1	12	5	7	369	ug/kg	100.0	ug/kg	N	0.271
BIST007	MB011F0704	Gulf killifish	Whole Body	Chrysene	1	12	5	7	369	ug/kg	100.0	ug/kg	N	0.271
BIST007	MB011F0708	Gulf killifish	Whole Body	Chrysene	1	12	5	7	369	ug/kg	100.0	ug/kg	N	0.271
BIST007	MB011F0706	Gulf killifish	Whole Body	Chrysene	1	12	5	7	369	ug/kg	100.0	ug/kg	N	0.271
BIST007	MB011F0702	Gulf killifish	Whole Body	Chrysene	1	12	5	7	369	ug/kg	100.0	ug/kg	N	0.271
BIST008	MB031F0803	Gulf killifish	Whole Body	Chrysene	1	20	5	15	560	ug/kg	100.0	ug/kg	N	0.179
BIST008	MB031V0816	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0819	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0813	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	200	ug/kg	N	0.337
BIST008	MB031V0812	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0811	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0817	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0808	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0803	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	200	ug/kg	N	0.337
BIST008	MB031F0806	Gulf killifish	Whole Body	Chrysene	1	20	5	15	560	ug/kg	100.0	ug/kg	N	0.179
BIST008	MB031F0811	Gulf killifish	Whole Body	Chrysene	1	20	5	15	560	ug/kg	100.0	ug/kg	N	0.179
BIST008	MB031V0802	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	40.0	ug/kg	N	0.0673

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0807	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0810	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	20.0	ug/kg	N	0.0337
BIST008	MB031V0801	Shrimp	Shellfish	Chrysene	I 2A	47	5	42	594	ug/kg	200	ug/kg	N	0.337
BIST008	MB031F0805	Gulf killifish	Whole Body	Chrysene	1	20	5	15	560	ug/kg	100.0	ug/kg	N	0.179
BIST010	MB031F1001	Gulf killifish	Whole Body	Chrysene	1	20	5	15	554	ug/kg	100.0	ug/kg	N	0.180
BIST010	MB031F1009	Gulf killifish	Whole Body	Chrysene	1	20	5	15	554	ug/kg	100.0	ug/kg	N	0.180
BIST010	MB031F1006	Gulf killifish	Whole Body	Chrysene	1	20	5	15	554	ug/kg	100.0	ug/kg	N	0.180
BIST010	MB031F1004	Gulf killifish	Whole Body	Chrysene	1	20	5	15	554	ug/kg	100.0	ug/kg	N	0.180
BIST010	MB031F1013	Gulf killifish	Whole Body	Chrysene	1	20	5	15	554	ug/kg	100.0	ug/kg	N	0.180
BIST011	LB011F1101	Gulf killifish	Whole Body	Chrysene	1	30	10	20	627	ug/kg	200	ug/kg	N	0.319
BIST011	LB011F1105	Gulf killifish	Whole Body	Chrysene	1	30	10	20	627	ug/kg	200	ug/kg	N	0.319
BIST011	LB011F1103	Gulf killifish	Whole Body	Chrysene	1	30	10	20	627	ug/kg	200	ug/kg	N	0.319
BIST012	LB011F1202	Gulf killifish	Whole Body	Chrysene	1	36	13	23	615	ug/kg	100.0	ug/kg	N	0.163
BIST012	LB011F1204	Gulf killifish	Whole Body	Chrysene	1	36	13	23	615	ug/kg	20.0	ug/kg	N	0.0325
BIST012	LB011F1201	Gulf killifish	Whole Body	Chrysene	1	36	13	23	615	ug/kg	200	ug/kg	N	0.325
BIST013	LB011F1302	Gulf killifish	Whole Body	Chrysene	1	37	14	23	552	ug/kg	40.0	ug/kg	N	0.0725
BIST013	LB011F1305	Gulf killifish	Whole Body	Chrysene	1	37	14	23	552	ug/kg	100.0	ug/kg	N	0.181
BIST013	LB011F1301	Gulf killifish	Whole Body	Chrysene	1	37	14	23	552	ug/kg	100.0	ug/kg	N	0.181
BIST015	LB032F1506	Spot	Whole Body	Chrysene	2B	4	1	3	3360	ug/kg	40.0	ug/kg	N	0.0119
BIST015	LB032F1503	Threadfin shad	Whole Body	Chrysene	2A	133	37	96	1540	ug/kg	80.0	ug/kg	N	0.0518
BIST015	LB032F1505	Gulf menhaden	Whole Body	Chrysene	2A	133	37	96	1540	ug/kg	60.0	ug/kg	N	0.0389
BIST015	LB031F1502	Gulf killifish	Whole Body	Chrysene	1	43	15	28	3600	ug/kg	100.0	ug/kg	N	0.0277
BIST015	LB032F1501	Gulf menhaden	Whole Body	Chrysene	2A	133	37	96	1540	ug/kg	80.0	ug/kg	N	0.0518
BIST015	LB031F1506	Gulf killifish	Whole Body	Chrysene	1	43	15	28	3600	ug/kg	100.0	ug/kg	N	0.0277
BIST015	LB031F1504	Gulf killifish	Whole Body	Chrysene	1	43	15	28	3600	ug/kg	200	ug/kg	N	0.0555
BIST015	LB034F1506	Atlantic croaker	Whole Body	Chrysene	3B	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1510	Striped mullet	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB033F1515	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB034F1505	Spotted seatrout	Whole Body	Chrysene	3B	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1504	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1509	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1514	Striped mullet	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB033F1503	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1507	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1512	Striped mullet	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB033F1518	Gulf menhaden	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1502	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1508	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB032F1507	Gulf menhaden	Whole Body	Chrysene	2A	133	37	96	1540	ug/kg	40.0	ug/kg	N	0.0259
BIST015	LB033F1511	Striped mullet	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB034F1504	Spotted seatrout	Whole Body	Chrysene	3B	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB034F1501	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB034F1502	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB033F1505	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1517	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1501	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST015	LB033F1513	Striped mullet	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST015	LB033F1506	Striped mullet	Whole Body	Chrysene	3A	133	37	96	1540	ug/kg	25.0	ug/kg	N	0.0162
BIST016	LB031F1602	Gulf killifish	Whole Body	Chrysene	1	55	19	36	2970	ug/kg	20.0	ug/kg	N	0.00674
BIST016	LB031F1601	Gulf killifish	Whole Body	Chrysene	1	55	19	36	2970	ug/kg	200	ug/kg	N	0.0674

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST016	LB031F1610	Gulf killifish	Whole Body	Chrysene	1	55	19	36	2970	ug/kg	20.0	ug/kg	N	0.00674
BIST017	LB031F1703	Gulf killifish	Whole Body	Chrysene	1	19	7	12	7230	ug/kg	60.0	ug/kg	N	0.00830
BIST017	LB031A1754	Mussels	Shellfish	Chrysene	I 1A	1	1	0	10400	ug/kg	100.0	ug/kg	N	0.00962
BIST017	LB031F1704	Gulf killifish	Whole Body	Chrysene	1	19	7	12	7230	ug/kg	40.0	ug/kg	N	0.00553
BIST017	LB031A1752	Mussels	Shellfish	Chrysene	I 1A	1	1	0	10400	ug/kg	100.0	ug/kg	N	0.00962
BIST017	LB031F1702	Gulf killifish	Whole Body	Chrysene	1	19	7	12	7230	ug/kg	500	ug/kg	N	0.0692
BIST017	LB031A1753	Mussels	Shellfish	Chrysene	I 1A	1	1	0	10400	ug/kg	100.0	ug/kg	N	0.00962
BIST019	LB061F1901	Gulf killifish	Whole Body	Chrysene	1	42	13	29	668	ug/kg	20.0	ug/kg	N	0.0300
BIST019	LB061F1902	Gulf killifish	Whole Body	Chrysene	1	42	13	29	668	ug/kg	200	ug/kg	N	0.300
BIST019	LB061F1903	Gulf killifish	Whole Body	Chrysene	1	42	13	29	668	ug/kg	20.0	ug/kg	N	0.0300
BIST021	LB094F2120	Spotted seatrout	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB093F2107	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB093F2101	Striped mullet	Whole Body	Chrysene	3A	69	13	56	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB094F2121	Spotted seatrout	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB093F2104	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2103	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2122	Spotted seatrout	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2118	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2107	Atlantic croaker	Whole Body	Chrysene	3B	69	13	56	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB093F2105	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2104	Red drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB093F2106	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB093F2103	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB093F2108	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2141	Pinfish	Whole Body	Chrysene	3B	69	13	56	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB094F2124	Spotted seatrout	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST021	LB094F2134	Pinfish	Whole Body	Chrysene	3B	69	13	56	639	ug/kg	25.0	ug/kg	N	0.0391
BIST021	LB093F2102	Gizzard shad	Whole Body	Chrysene	4A	264	55	209	1070	ug/kg	25.0	ug/kg	N	0.0234
BIST024	LB131F2408	Gulf killifish	Whole Body	Chrysene	1	50	11	39	541	ug/kg	200	ug/kg	N	0.370
BIST024	LB131F2402	Gulf killifish	Whole Body	Chrysene	1	50	11	39	541	ug/kg	100.0	ug/kg	N	0.185
BIST024	LB131F2406	Gulf killifish	Whole Body	Chrysene	1	50	11	39	541	ug/kg	200	ug/kg	N	0.370
BIST025	LB132F2502	Gulf menhaden	Whole Body	Chrysene	2A	125	34	91	1620	ug/kg	20.0	ug/kg	N	0.0124
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Chrysene	1	51	12	39	832	ug/kg	400	ug/kg	N	0.481
BIST025	LB132F2501	Gulf menhaden	Whole Body	Chrysene	2A	125	34	91	1620	ug/kg	80.0	ug/kg	N	0.0495
BIST025	LB131F2502	Gulf killifish	Whole Body	Chrysene	1	51	12	39	832	ug/kg	200	ug/kg	N	0.240
BIST025	LB132F2503	Spot	Whole Body	Chrysene	2B	2	2	0	173	ug/kg	60.0	ug/kg	N	0.347
BIST026	LB131F2604	Gulf killifish	Whole Body	Chrysene	1	49	18	31	852	ug/kg	100.0	ug/kg	N	0.117
BIST026	LB131F2601	Gulf killifish	Whole Body	Chrysene	1	49	18	31	852	ug/kg	40.0	ug/kg	N	0.0469
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Chrysene	1	32	13	19	573	ug/kg	200	ug/kg	N	0.349
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Chrysene	1	32	13	19	573	ug/kg	200	ug/kg	N	0.349
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Chrysene	1	32	13	19	573	ug/kg	40.0	ug/kg	N	0.0698
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Chrysene	1	31	13	18	3840	ug/kg	200	ug/kg	N	0.0521
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Chrysene	1	31	13	18	3840	ug/kg	100.0	ug/kg	N	0.0260
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Chrysene	1	31	13	18	3840	ug/kg	40.0	ug/kg	N	0.0104
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Chrysene	1	31	12	19	753	ug/kg	200	ug/kg	N	0.266
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Chrysene	1	31	12	19	753	ug/kg	200	ug/kg	N	0.266
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Chrysene	1	31	12	19	753	ug/kg	20.0	ug/kg	N	0.0266
BISTC01	BAYD4C0103	Blue crab	Shellfish	Chrysene	I 2B	69	14	55	625	ug/kg	20.0	ug/kg	N	0.0320
BISTC01	BAYD4C0101	Blue crab	Shellfish	Chrysene	I 2B	69	14	55	625	ug/kg	20.0	ug/kg	N	0.0320
BISTC02	BAYD4C0201	Blue crab	Shellfish	Chrysene	I 2B	77	15	62	609	ug/kg	20.0	ug/kg	N	0.0329

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC02	BAYD4C0205	Blue crab	Shellfish	Chrysene	I 2B	77	15	62	609	ug/kg	20.0	ug/kg	N	0.0329
BISTC02	BAYD4C0203	Blue crab	Shellfish	Chrysene	I 2B	77	15	62	609	ug/kg	20.0	ug/kg	N	0.0329
BISTC03	BAYD4C0302	Blue crab	Shellfish	Chrysene	I 2B	107	22	85	1790	ug/kg	20.0	ug/kg	N	0.0112
BISTC05	BAYD4C0502	Blue crab	Shellfish	Chrysene	I 2B	116	29	87	1670	ug/kg	20.0	ug/kg	N	0.0120
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Chrysene	2A	77	12	65	569	ug/kg	1000	ug/kg	N	1.76
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Chrysene	I 2B	82	17	65	568	ug/kg	1000	ug/kg	N	1.76
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Chrysene	3B	127	36	91	1590	ug/kg	1000	ug/kg	N	0.631
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Chrysene	4B	264	55	209	1070	ug/kg	500	ug/kg	N	0.469
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Chrysene	3B	127	36	91	1590	ug/kg	500	ug/kg	N	0.315
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Chrysene	3B	127	36	91	1590	ug/kg	1000	ug/kg	N	0.631
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Chrysene	3B	127	36	91	1590	ug/kg	500	ug/kg	N	0.315
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Chrysene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Chrysene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Chrysene	I 1A	1	0	1	285	ug/kg	5.40	ug/kg	Y	0.0189
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Chrysene	I 1A	1	0	1	285	ug/kg	7.80	ug/kg	Y	0.0274
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Chrysene	I 1A	1	1	0	260	ug/kg	3.30	ug/kg	Y	0.0127
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Chrysene	I 1A	1	1	0	260	ug/kg	3.20	ug/kg	Y	0.0123
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Chrysene	I 1A	1	0	1	485	ug/kg	4.40	ug/kg	Y	0.00907
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Chrysene	I 1B	1	0	1	500	ug/kg	0.970	ug/kg	Y	0.00194
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Chrysene	I 1B	1	0	1	550	ug/kg	7.50	ug/kg	Y	0.0136
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Chrysene	I 1B	3	1	2	305	ug/kg	9.20	ug/kg	Y	0.0302
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Chrysene	I 1B	3	2	1	253	ug/kg	5.10	ug/kg	Y	0.0201
BIST004	UB041F0404	Gulf killifish	Whole Body	Copper	1	14	14	0	34.2	mg/kg	1.20	mg/kg	Y	0.0351
BIST004	UB041F0401	Gulf killifish	Whole Body	Copper	1	14	14	0	34.2	mg/kg	2.00	mg/kg	Y	0.0586
BIST004	UB041F0402	Gulf killifish	Whole Body	Copper	1	14	14	0	34.2	mg/kg	1.40	mg/kg	Y	0.0410
BIST005	UB051F0510	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.30	mg/kg	Y	0.0625
BIST005	UB054F0502	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.930	mg/kg	Y	0.00931
BIST005	UB054F0514	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.310	mg/kg	Y	0.00310
BIST005	UB054F0503	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.600	mg/kg	Y	0.00601
BIST005	UB051F0503	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.00	mg/kg	Y	0.0544
BIST005	UB054F0511	Spotted seatrout	Whole Body	Copper	3B	33	33	0	40.8	mg/kg	0.560	mg/kg	Y	0.0137
BIST005	UB051F0512	Sailfin molly	Whole Body	Copper	1	13	13	0	36.8	mg/kg	5.80	mg/kg	Y	0.158
BIST005	UB051F0502	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.50	mg/kg	Y	0.0680
BIST005	UB054F0505	Spotted seatrout	Whole Body	Copper	3B	33	33	0	40.8	mg/kg	0.440	mg/kg	Y	0.0108
BIST005	UB054F0516	Skipjack herring	Whole Body	Copper	3A	33	33	0	40.8	mg/kg	1.60	mg/kg	Y	0.0393
BIST005	UB054F0508	Spotted seatrout	Whole Body	Copper	3B	33	33	0	40.8	mg/kg	0.540	mg/kg	Y	0.0133
BIST005	UB051F0509	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	1.70	mg/kg	Y	0.0462
BIST005	UB054F0515	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	1.50	mg/kg	Y	0.0150
BIST005	UB051F0501	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.60	mg/kg	Y	0.0707
BIST005	UB051F0511	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	8.10	mg/kg	Y	0.220
BIST005	UB054F0506	Spotted seatrout	Whole Body	Copper	3B	33	33	0	40.8	mg/kg	0.660	mg/kg	Y	0.0162
BIST005	UB054F0507	Spotted seatrout	Whole Body	Copper	3B	33	33	0	40.8	mg/kg	0.440	mg/kg	Y	0.0108
BIST005	UB054F0504	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	1.50	mg/kg	Y	0.0150
BIST005	UB054F0501	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.660	mg/kg	Y	0.00661
BIST005	UB051F0523	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	1.50	mg/kg	Y	0.0408
BIST005	UB051F0515	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	1.70	mg/kg	Y	0.0462
BIST005	UB052F0501	Gulf menhaden	Whole Body	Copper	2A	33	33	0	40.8	mg/kg	1.50	mg/kg	Y	0.0368
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Copper	1	13	13	0	36.8	mg/kg	6.70	mg/kg	Y	0.182
BIST005	UB051F0518	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	4.20	mg/kg	Y	0.114
BIST005	UB051F0520	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.20	mg/kg	Y	0.0598

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0516	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	0.910	mg/kg	Y	0.0247
BIST005	UB051F0505	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	1.90	mg/kg	Y	0.0516
BIST005	UB051F0525	Sailfin molly	Whole Body	Copper	1	13	13	0	36.8	mg/kg	5.30	mg/kg	Y	0.144
BIST005	UB051F0504	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.10	mg/kg	Y	0.0571
BIST005	UB051F0508	Gulf killifish	Whole Body	Copper	1	13	13	0	36.8	mg/kg	2.10	mg/kg	Y	0.0571
BIST006	MB012F0604	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.80	mg/kg	Y	0.0367
BIST006	MB014F0615	Sand seatrout	Whole Body	Copper	3B	32	31	1	49.1	mg/kg	0.720	mg/kg	Y	0.0147
BIST006	MB012F0602	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.30	mg/kg	Y	0.0265
BIST006	MB014F0608	Spotted seatrout	Whole Body	Copper	3B	32	31	1	49.1	mg/kg	0.820	mg/kg	Y	0.0167
BIST006	MB012F0619	Spot	Whole Body	Copper	2B	3	3	0	42.9	mg/kg	0.810	mg/kg	Y	0.0189
BIST006	MB014F0630	Sand seatrout	Whole Body	Copper	3B	32	31	1	49.1	mg/kg	1.10	mg/kg	Y	0.0224
BIST006	MB012F0607	Spot	Whole Body	Copper	2B	3	3	0	42.9	mg/kg	0.600	mg/kg	Y	0.0140
BIST006	MB014F0628	White mullet	Whole Body	Copper	3A	32	31	1	49.1	mg/kg	7.60	mg/kg	Y	0.155
BIST006	MB012F0605	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.80	mg/kg	Y	0.0367
BIST006	MB012F0611	Spot	Whole Body	Copper	2B	3	3	0	42.9	mg/kg	0.550	mg/kg	Y	0.0128
BIST006	MB012F0603	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	2.00	mg/kg	Y	0.0408
BIST006	MB014F0602	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.950	mg/kg	Y	0.00951
BIST006	MB011F0616	Gulf killifish	Whole Body	Copper	1	15	15	0	40.0	mg/kg	2.00	mg/kg	Y	0.0500
BIST006	MB012F0601	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.90	mg/kg	Y	0.0387
BIST006	MB014F0603	Spotted seatrout	Whole Body	Copper	3B	32	31	1	49.1	mg/kg	1.30	mg/kg	Y	0.0265
BIST006	MB012F0606	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	2.20	mg/kg	Y	0.0448
BIST006	MB012F0610	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.90	mg/kg	Y	0.0387
BIST006	MB011F0624	Gulf killifish	Whole Body	Copper	1	15	15	0	40.0	mg/kg	2.00	mg/kg	Y	0.0500
BIST006	MB011F0607	Gulf killifish	Whole Body	Copper	1	15	15	0	40.0	mg/kg	2.40	mg/kg	Y	0.0600
BIST006	MB014F0601	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.620	mg/kg	Y	0.00621
BIST006	MB014F0604	Spotted seatrout	Whole Body	Copper	3B	32	31	1	49.1	mg/kg	0.500	mg/kg	Y	0.0102
BIST006	MB014F0605	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	1.30	mg/kg	Y	0.0130
BIST006	MB011F0615	Gulf killifish	Whole Body	Copper	1	15	15	0	40.0	mg/kg	8.20	mg/kg	Y	0.205
BIST006	MB012F0609	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.90	mg/kg	Y	0.0387
BIST006	MB012F0613	Gulf menhaden	Whole Body	Copper	2A	32	31	1	49.1	mg/kg	1.30	mg/kg	Y	0.0265
BIST006	MB014F0612	Spotted seatrout	Whole Body	Copper	3B	32	31	1	49.1	mg/kg	0.700	mg/kg	Y	0.0143
BIST006	MB011F0605	Gulf killifish	Whole Body	Copper	1	15	15	0	40.0	mg/kg	2.90	mg/kg	Y	0.0725
BIST007	MB011F0704	Gulf killifish	Whole Body	Copper	1	12	12	0	34.6	mg/kg	1.90	mg/kg	Y	0.0549
BIST007	MB011F0702	Gulf killifish	Whole Body	Copper	1	12	12	0	34.6	mg/kg	1.50	mg/kg	Y	0.0434
BIST007	MB011F0706	Gulf killifish	Whole Body	Copper	1	12	12	0	34.6	mg/kg	3.20	mg/kg	Y	0.0925
BIST007	MB011F0703	Gulf killifish	Whole Body	Copper	1	12	12	0	34.6	mg/kg	2.20	mg/kg	Y	0.0636
BIST007	MB011F0708	Gulf killifish	Whole Body	Copper	1	12	12	0	34.6	mg/kg	2.00	mg/kg	Y	0.0578
BIST008	MB031F0803	Gulf killifish	Whole Body	Copper	1	20	20	0	56.5	mg/kg	1.60	mg/kg	Y	0.0283
BIST008	MB031V0818	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	15.8	mg/kg	Y	0.221
BIST008	MB031V0802	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	15.0	mg/kg	Y	0.209
BIST008	MB031V0817	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	19.6	mg/kg	Y	0.274
BIST008	MB031V0816	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	24.2	mg/kg	Y	0.338
BIST008	MB031V0803	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	11.2	mg/kg	Y	0.156
BIST008	MB031V0813	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	18.1	mg/kg	Y	0.253
BIST008	MB031V0812	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	18.0	mg/kg	Y	0.251
BIST008	MB031V0811	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	16.0	mg/kg	Y	0.223
BIST008	MB031V0810	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	14.1	mg/kg	Y	0.197
BIST008	MB031V0807	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	16.8	mg/kg	Y	0.235
BIST008	MB031V0808	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	15.8	mg/kg	Y	0.221
BIST008	MB031F0804	Gulf killifish	Whole Body	Copper	1	20	20	0	56.5	mg/kg	2.00	mg/kg	Y	0.0354

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0806	Gulf killifish	Whole Body	Copper	1	20	20	0	56.5	mg/kg	1.90	mg/kg	Y	0.0336
BIST008	MB031V0819	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	16.2	mg/kg	Y	0.226
BIST008	MB031F0805	Gulf killifish	Whole Body	Copper	1	20	20	0	56.5	mg/kg	1.90	mg/kg	Y	0.0336
BIST008	MB031F0811	Gulf killifish	Whole Body	Copper	1	20	20	0	56.5	mg/kg	1.90	mg/kg	Y	0.0336
BIST008	MB031V0801	Shrimp	Shellfish	Copper	I 2A	47	46	1	71.6	mg/kg	17.5	mg/kg	Y	0.244
BIST010	MB031F1009	Gulf killifish	Whole Body	Copper	1	20	20	0	53.7	mg/kg	2.20	mg/kg	Y	0.0410
BIST010	MB031F1013	Gulf killifish	Whole Body	Copper	1	20	20	0	53.7	mg/kg	2.10	mg/kg	Y	0.0391
BIST010	MB031F1006	Gulf killifish	Whole Body	Copper	1	20	20	0	53.7	mg/kg	2.50	mg/kg	Y	0.0466
BIST010	MB031F1001	Gulf killifish	Whole Body	Copper	1	20	20	0	53.7	mg/kg	2.20	mg/kg	Y	0.0410
BIST010	MB031F1004	Gulf killifish	Whole Body	Copper	1	20	20	0	53.7	mg/kg	12.0	mg/kg	Y	0.224
BIST011	LB011F1103	Gulf killifish	Whole Body	Copper	1	30	30	0	172	mg/kg	6.70	mg/kg	Y	0.0391
BIST011	LB011F1101	Gulf killifish	Whole Body	Copper	1	30	30	0	172	mg/kg	6.80	mg/kg	Y	0.0396
BIST011	LB011F1105	Gulf killifish	Whole Body	Copper	1	30	30	0	172	mg/kg	6.60	mg/kg	Y	0.0385
BIST012	LB011F1201	Gulf killifish	Whole Body	Copper	1	35	35	0	161	mg/kg	5.60	mg/kg	Y	0.0348
BIST012	LB011F1204	Gulf killifish	Whole Body	Copper	1	35	35	0	161	mg/kg	6.70	mg/kg	Y	0.0417
BIST012	LB011F1202	Gulf killifish	Whole Body	Copper	1	35	35	0	161	mg/kg	8.70	mg/kg	Y	0.0541
BIST013	LB011F1301	Gulf killifish	Whole Body	Copper	1	37	37	0	160	mg/kg	4.50	mg/kg	Y	0.0281
BIST013	LB011F1302	Gulf killifish	Whole Body	Copper	1	37	37	0	160	mg/kg	5.20	mg/kg	Y	0.0325
BIST013	LB011F1305	Gulf killifish	Whole Body	Copper	1	37	37	0	160	mg/kg	4.90	mg/kg	Y	0.0306
BIST015	LB032F1506	Spot	Whole Body	Copper	2B	4	4	0	183	mg/kg	9.00	mg/kg	Y	0.0492
BIST015	LB031F1506	Gulf killifish	Whole Body	Copper	1	40	40	0	184	mg/kg	4.70	mg/kg	Y	0.0255
BIST015	LB032F1502	Gulf menhaden	Whole Body	Copper	2A	132	132	0	131	mg/kg	3.40	mg/kg	Y	0.0260
BIST015	LB031F1504	Gulf killifish	Whole Body	Copper	1	40	40	0	184	mg/kg	3.90	mg/kg	Y	0.0211
BIST015	LB032F1504	Spot	Whole Body	Copper	2B	4	4	0	183	mg/kg	0.860	mg/kg	Y	0.00470
BIST015	LB031F1502	Gulf killifish	Whole Body	Copper	1	40	40	0	184	mg/kg	4.30	mg/kg	Y	0.0233
BIST015	LB032F1501	Gulf menhaden	Whole Body	Copper	2A	132	132	0	131	mg/kg	1.50	mg/kg	Y	0.0115
BIST015	LB032F1505	Gulf menhaden	Whole Body	Copper	2A	132	132	0	131	mg/kg	4.40	mg/kg	Y	0.0337
BIST015	LB032F1503	Threadfin shad	Whole Body	Copper	2A	132	132	0	131	mg/kg	3.60	mg/kg	Y	0.0275
BIST015	LB033F1518	Gulf menhaden	Whole Body	Copper	3A	132	132	0	131	mg/kg	2.50	mg/kg	Y	0.0191
BIST015	LB033F1509	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	3.30	mg/kg	Y	0.0252
BIST015	LB033F1514	Striped mullet	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	1.90	mg/kg	Y	0.0190
BIST015	LB033F1513	Striped mullet	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	19.3	mg/kg	Y	0.193
BIST015	LB033F1505	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	9.20	mg/kg	Y	0.0704
BIST015	LB033F1517	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	5.40	mg/kg	Y	0.0413
BIST015	LB033F1506	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	0.950	mg/kg	Y	0.00727
BIST015	LB034F1506	Atlantic croaker	Whole Body	Copper	3B	132	132	0	131	mg/kg	1.30	mg/kg	Y	0.00994
BIST015	LB033F1501	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	10.5	mg/kg	Y	0.0803
BIST015	LB034F1502	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.880	mg/kg	Y	0.00881
BIST015	LB033F1516	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	7.00	mg/kg	Y	0.0535
BIST015	LB034F1501	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.460	mg/kg	Y	0.00460
BIST015	LB033F1511	Striped mullet	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	19.0	mg/kg	Y	0.190
BIST015	LB034F1505	Spotted seatrout	Whole Body	Copper	3B	132	132	0	131	mg/kg	1.60	mg/kg	Y	0.0122
BIST015	LB034F1504	Spotted seatrout	Whole Body	Copper	3B	132	132	0	131	mg/kg	1.20	mg/kg	Y	0.00918
BIST015	LB033F1507	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	7.80	mg/kg	Y	0.0597
BIST015	LB033F1515	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	14.2	mg/kg	Y	0.109
BIST015	LB033F1502	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	5.00	mg/kg	Y	0.0382
BIST015	LB033F1510	Striped mullet	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	25.5	mg/kg	Y	0.255
BIST015	LB033F1504	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	10.2	mg/kg	Y	0.0780
BIST015	LB032F1507	Gulf menhaden	Whole Body	Copper	2A	132	132	0	131	mg/kg	3.50	mg/kg	Y	0.0268
BIST015	LB033F1508	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	10.9	mg/kg	Y	0.0834

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1508	Threadfin shad	Whole Body	Copper	2A	132	132	0	131	mg/kg		mg/kg	N	
BIST015	LB034F1503	Spotted seatrout	Whole Body	Copper	3B	132	132	0	131	mg/kg	0.940	mg/kg	Y	0.00719
BIST015	LB033F1512	Striped mullet	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	12.4	mg/kg	Y	0.124
BIST015	LB033F1503	Striped mullet	Whole Body	Copper	3A	132	132	0	131	mg/kg	8.70	mg/kg	Y	0.0665
BIST016	LB031F1610	Gulf killifish	Whole Body	Copper	1	51	51	0	163	mg/kg	2.70	mg/kg	Y	0.0166
BIST016	LB031F1601	Gulf killifish	Whole Body	Copper	1	51	51	0	163	mg/kg	2.80	mg/kg	Y	0.0172
BIST016	LB031F1602	Gulf killifish	Whole Body	Copper	1	51	51	0	163	mg/kg	3.10	mg/kg	Y	0.0190
BIST017	LB031A1753	Mussels	Shellfish	Copper	I 1A	1	1	0	169	mg/kg	3.30	mg/kg	Y	0.0195
BIST017	LB031F1703	Gulf killifish	Whole Body	Copper	1	18	18	0	242	mg/kg	2.00	mg/kg	Y	0.00826
BIST017	LB031A1752	Mussels	Shellfish	Copper	I 1A	1	1	0	169	mg/kg	4.60	mg/kg	Y	0.0272
BIST017	LB031F1704	Gulf killifish	Whole Body	Copper	1	18	18	0	242	mg/kg	2.00	mg/kg	Y	0.00826
BIST017	LB031F1702	Gulf killifish	Whole Body	Copper	1	18	18	0	242	mg/kg	2.50	mg/kg	Y	0.0103
BIST017	LB031A1754	Mussels	Shellfish	Copper	I 1A	1	1	0	169	mg/kg	1.80	mg/kg	Y	0.0107
BIST019	LB061F1903	Gulf killifish	Whole Body	Copper	1	39	39	0	121	mg/kg	2.00	mg/kg	Y	0.0165
BIST019	LB061F1901	Gulf killifish	Whole Body	Copper	1	39	39	0	121	mg/kg	2.70	mg/kg	Y	0.0223
BIST019	LB061F1902	Gulf killifish	Whole Body	Copper	1	39	39	0	121	mg/kg	2.30	mg/kg	Y	0.0190
BIST021	LB094F2141	Pinfish	Whole Body	Copper	3B	69	69	0	76.0	mg/kg	0.840	mg/kg	Y	0.0111
BIST021	LB093F2106	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	0.930	mg/kg	Y	0.00931
BIST021	LB094F2151	Spotted seatrout	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.690	mg/kg	Y	0.00691
BIST021	LB093F2103	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	2.30	mg/kg	Y	0.0230
BIST021	LB094F2104	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.460	mg/kg	Y	0.00460
BIST021	LB093F2102	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	0.600	mg/kg	Y	0.00601
BIST021	LB093F2105	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	0.990	mg/kg	Y	0.00991
BIST021	LB094F2120	Spotted seatrout	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.480	mg/kg	Y	0.00480
BIST021	LB093F2107	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	0.610	mg/kg	Y	0.00611
BIST021	LB094F2115	Black Drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.770	mg/kg	Y	0.00771
BIST021	LB094F2101	Spotted seatrout	Whole Body	Copper	3B	69	69	0	76.0	mg/kg	0.680	mg/kg	Y	0.00895
BIST021	LB094F2122	Spotted seatrout	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.460	mg/kg	Y	0.00460
BIST021	LB094F2118	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.490	mg/kg	Y	0.00490
BIST021	LB093F2104	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	0.500	mg/kg	Y	0.00500
BIST021	LB094F2107	Atlantic croaker	Whole Body	Copper	3B	69	69	0	76.0	mg/kg	0.940	mg/kg	Y	0.0124
BIST021	LB093F2101	Striped mullet	Whole Body	Copper	3A	69	69	0	76.0	mg/kg	0.860	mg/kg	Y	0.0113
BIST021	LB093F2108	Gizzard shad	Whole Body	Copper	4A	262	260	2	99.9	mg/kg	1.90	mg/kg	Y	0.0190
BIST021	LB094F2124	Spotted seatrout	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.710	mg/kg	Y	0.00711
BIST021	LB094F2121	Spotted seatrout	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.520	mg/kg	Y	0.00521
BIST021	LB094F2103	Red drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.550	mg/kg	Y	0.00551
BIST021	LB094F2134	Pinfish	Whole Body	Copper	3B	69	69	0	76.0	mg/kg	0.640	mg/kg	Y	0.00842
BIST024	LB131F2402	Gulf killifish	Whole Body	Copper	1	49	49	0	113	mg/kg	4.20	mg/kg	Y	0.0370
BIST024	LB131F2408	Gulf killifish	Whole Body	Copper	1	49	49	0	113	mg/kg	3.60	mg/kg	Y	0.0317
BIST024	LB131F2406	Gulf killifish	Whole Body	Copper	1	49	49	0	113	mg/kg	4.30	mg/kg	Y	0.0379
BIST025	LB132F2502	Gulf menhaden	Whole Body	Copper	2A	122	121	1	131	mg/kg	1.50	mg/kg	Y	0.0114
BIST025	LB131F2501	Gulf killifish	Whole Body	Copper	1	49	49	0	141	mg/kg	5.20	mg/kg	Y	0.0369
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Copper	1	49	49	0	141	mg/kg	17.4	mg/kg	Y	0.124
BIST025	LB131F2502	Gulf killifish	Whole Body	Copper	1	49	49	0	141	mg/kg	5.10	mg/kg	Y	0.0362
BIST025	LB132F2503	Spot	Whole Body	Copper	2B	2	2	0	74.2	mg/kg	0.650	mg/kg	Y	0.00877
BIST025	LB132F2501	Gulf menhaden	Whole Body	Copper	2A	122	121	1	131	mg/kg	2.10	mg/kg	Y	0.0160
BIST026	LB131F2601	Gulf killifish	Whole Body	Copper	1	48	48	0	150	mg/kg	4.10	mg/kg	Y	0.0273
BIST026	LB131F2604	Gulf killifish	Whole Body	Copper	1	48	48	0	150	mg/kg	4.10	mg/kg	Y	0.0273
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Copper	1	32	32	0	171	mg/kg	4.80	mg/kg	Y	0.0281
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Copper	1	32	32	0	171	mg/kg	5.90	mg/kg	Y	0.0346

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Copper	1	32	32	0	171	mg/kg	5.60	mg/kg	Y	0.0328
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Copper	1	30	30	0	159	mg/kg	3.90	mg/kg	Y	0.0245
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Copper	1	30	30	0	159	mg/kg	4.90	mg/kg	Y	0.0308
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Copper	1	30	30	0	159	mg/kg	4.50	mg/kg	Y	0.0283
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Copper	1	31	31	0	198	mg/kg	6.50	mg/kg	Y	0.0328
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Copper	1	31	31	0	198	mg/kg	7.40	mg/kg	Y	0.0374
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Copper	1	31	31	0	198	mg/kg	6.50	mg/kg	Y	0.0328
BISTC01	BAYD4C0101	Blue crab	Shellfish	Copper	I 2B	69	69	0	78.4	mg/kg	9.90	mg/kg	Y	0.126
BISTC01	BAYD4C0103	Blue crab	Shellfish	Copper	I 2B	69	69	0	78.4	mg/kg	12.5	mg/kg	Y	0.159
BISTC02	BAYD4C0201	Blue crab	Shellfish	Copper	I 2B	77	77	0	87.4	mg/kg	9.00	mg/kg	Y	0.103
BISTC02	BAYD4C0205	Blue crab	Shellfish	Copper	I 2B	77	77	0	87.4	mg/kg	10.9	mg/kg	Y	0.125
BISTC02	BAYD4C0203	Blue crab	Shellfish	Copper	I 2B	77	77	0	87.4	mg/kg	11.8	mg/kg	Y	0.135
BISTC03	BAYD4C0302	Blue crab	Shellfish	Copper	I 2B	105	105	0	113	mg/kg	7.80	mg/kg	Y	0.0690
BISTC05	BAYD4C0502	Blue crab	Shellfish	Copper	I 2B	113	112	1	147	mg/kg	8.70	mg/kg	Y	0.0593
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Copper	2A	77	76	1	135	mg/kg	3.30	mg/kg	Y	0.0244
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Copper	I 2B	81	80	1	139	mg/kg	15.6	mg/kg	Y	0.112
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Copper	3B	123	122	1	136	mg/kg	0.255	mg/kg	N	0.00187
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Copper	3B	123	122	1	136	mg/kg	0.445	mg/kg	N	0.00327
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Copper	4B	262	260	2	99.9	mg/kg	0.870	mg/kg	Y	0.00871
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Copper	3B	123	122	1	136	mg/kg	0.710	mg/kg	Y	0.00522
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Copper	3B	124	123	1	134	mg/kg	1.00	mg/kg	Y	0.00749
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Copper	I 1A	1	1	0	44.4	mg/kg	3.10	mg/kg	Y	0.0698
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Copper	I 1B	2	2	0	139	mg/kg	0.640	mg/kg	Y	0.00462
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Copper	I 1A	1	1	0	9.80	mg/kg	2.10	mg/kg	N	0.214
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Copper	I 1A	1	1	0	9.80	mg/kg	6.10	mg/kg	Y	0.622
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Copper	I 1A	1	1	0	101	mg/kg	0.600	mg/kg	N	0.00594
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Copper	I 1A	1	1	0	101	mg/kg	0.550	mg/kg	N	0.00545
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Copper	I 1A	1	1	0	37.8	mg/kg	0.950	mg/kg	N	0.0251
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Copper	I 1B	1	1	0	159	mg/kg	29.0	mg/kg	Y	0.182
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Copper	I 1B	1	1	0	853	mg/kg	30.0	mg/kg	Y	0.0352
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Copper	I 1B	3	3	0	336	mg/kg	30.0	mg/kg	Y	0.0893
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Copper	I 1B	3	3	0	71.2	mg/kg	33.0	mg/kg	Y	0.463
BIST004	UB041F0401	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0402	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0404	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST005	UB054F0508	Spotted seatrout	Whole Body	delta-BHC	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0509	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST005	UB054F0516	Skipjack herring	Whole Body	delta-BHC	3A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0511	Spotted seatrout	Whole Body	delta-BHC	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0505	Spotted seatrout	Whole Body	delta-BHC	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0518	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0512	Sailfin molly	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0503	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST005	UB051F0502	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0503	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0515	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0523	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0501	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST005	UB051F0520	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0525	Sailfin molly	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0516	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0515	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST005	UB054F0506	Spotted seatrout	Whole Body	delta-BHC	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0517	Sheepshead minnow	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0507	Spotted seatrout	Whole Body	delta-BHC	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0511	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0502	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST005	UB051F0505	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0508	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0504	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0514	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST005	UB051F0501	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0510	Gulf killifish	Whole Body	delta-BHC	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB052F0501	Gulf menhaden	Whole Body	delta-BHC	2A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST006	MB014F0604	Spotted seatrout	Whole Body	delta-BHC	3B	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0610	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0602	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0605	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST006	MB012F0609	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0603	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0611	Spot	Whole Body	delta-BHC	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0604	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0605	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0603	Spotted seatrout	Whole Body	delta-BHC	3B	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0606	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB012F0607	Spot	Whole Body	delta-BHC	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB011F0616	Gulf killifish	Whole Body	delta-BHC	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB011F0605	Gulf killifish	Whole Body	delta-BHC	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0615	Sand seatrout	Whole Body	delta-BHC	3B	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0630	Sand seatrout	Whole Body	delta-BHC	3B	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0602	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST006	MB014F0628	White mullet	Whole Body	delta-BHC	3A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0612	Spotted seatrout	Whole Body	delta-BHC	3B	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB011F0607	Gulf killifish	Whole Body	delta-BHC	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0613	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0608	Spotted seatrout	Whole Body	delta-BHC	3B	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB014F0601	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST006	MB011F0624	Gulf killifish	Whole Body	delta-BHC	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0619	Spot	Whole Body	delta-BHC	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0601	Gulf menhaden	Whole Body	delta-BHC	2A	31	1	30	2.52	ug/kg	5.00	ug/kg	N	1.98
BIST006	MB011F0615	Gulf killifish	Whole Body	delta-BHC	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST007	MB011F0703	Gulf killifish	Whole Body	delta-BHC	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0704	Gulf killifish	Whole Body	delta-BHC	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0702	Gulf killifish	Whole Body	delta-BHC	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0708	Gulf killifish	Whole Body	delta-BHC	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0706	Gulf killifish	Whole Body	delta-BHC	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST008	MB031V0802	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	50.0	ug/kg	N	12.2
BIST008	MB031V0819	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0818	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	50.0	ug/kg	N	12.2

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0805	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.88	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031F0804	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.88	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031F0803	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.88	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031F0811	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.88	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0817	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031F0806	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.88	ug/kg	5.00	ug/kg	N	0.851
BIST008	MB031V0801	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0816	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0803	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	50.0	ug/kg	N	12.2
BIST008	MB031V0807	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0811	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0813	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0810	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0808	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST008	MB031V0812	Shrimp	Shellfish	delta-BHC	I 2A	45	3	42	4.09	ug/kg	5.00	ug/kg	N	1.22
BIST010	MB031F1001	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.86	ug/kg	5.00	ug/kg	N	0.853
BIST010	MB031F1009	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.86	ug/kg	5.00	ug/kg	N	0.853
BIST010	MB031F1013	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.86	ug/kg	5.00	ug/kg	N	0.853
BIST010	MB031F1006	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.86	ug/kg	5.00	ug/kg	N	0.853
BIST010	MB031F1004	Gulf killifish	Whole Body	delta-BHC	1	20	1	19	5.86	ug/kg	5.00	ug/kg	N	0.853
BIST011	LB011F1105	Gulf killifish	Whole Body	delta-BHC	1	26	11	15	8.47	ug/kg	5.00	ug/kg	N	0.591
BIST011	LB011F1101	Gulf killifish	Whole Body	delta-BHC	1	26	11	15	8.47	ug/kg	5.00	ug/kg	N	0.591
BIST011	LB011F1103	Gulf killifish	Whole Body	delta-BHC	1	26	11	15	8.47	ug/kg	5.00	ug/kg	N	0.591
BIST012	LB011F1201	Gulf killifish	Whole Body	delta-BHC	1	29	11	18	8.82	ug/kg	5.00	ug/kg	N	0.567
BIST012	LB011F1202	Gulf killifish	Whole Body	delta-BHC	1	29	11	18	8.82	ug/kg	5.00	ug/kg	N	0.567
BIST012	LB011F1204	Gulf killifish	Whole Body	delta-BHC	1	29	11	18	8.82	ug/kg	5.00	ug/kg	N	0.567
BIST013	LB011F1301	Gulf killifish	Whole Body	delta-BHC	1	29	11	18	10.7	ug/kg	5.00	ug/kg	N	0.469
BIST013	LB011F1305	Gulf killifish	Whole Body	delta-BHC	1	29	11	18	10.7	ug/kg	5.00	ug/kg	N	0.469
BIST013	LB011F1302	Gulf killifish	Whole Body	delta-BHC	1	29	11	18	10.7	ug/kg	5.00	ug/kg	N	0.469
BIST015	LB031F1506	Gulf killifish	Whole Body	delta-BHC	1	24	3	21	11.8	ug/kg	5.00	ug/kg	N	0.425
BIST015	LB032F1502	Gulf menhaden	Whole Body	delta-BHC	2A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB032F1503	Threadfin shad	Whole Body	delta-BHC	2A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB032F1506	Spot	Whole Body	delta-BHC	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB031F1504	Gulf killifish	Whole Body	delta-BHC	1	24	3	21	11.8	ug/kg	5.00	ug/kg	N	0.425
BIST015	LB032F1505	Gulf menhaden	Whole Body	delta-BHC	2A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB031F1502	Gulf killifish	Whole Body	delta-BHC	1	24	3	21	11.8	ug/kg	5.00	ug/kg	N	0.425
BIST015	LB032F1504	Spot	Whole Body	delta-BHC	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB032F1501	Gulf menhaden	Whole Body	delta-BHC	2A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1513	Striped mullet	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST015	LB033F1501	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1517	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	10.5	ug/kg	N	0.970
BIST015	LB033F1504	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB034F1506	Atlantic croaker	Whole Body	delta-BHC	3B	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1503	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	10.5	ug/kg	N	0.970
BIST015	LB034F1502	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST015	LB033F1514	Striped mullet	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST015	LB033F1508	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1507	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	10.5	ug/kg	N	0.970
BIST015	LB033F1518	Gulf menhaden	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB034F1504	Spotted seatrout	Whole Body	delta-BHC	3B	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1506	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1516	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB034F1505	Spotted seatrout	Whole Body	delta-BHC	3B	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1502	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB032F1507	Gulf menhaden	Whole Body	delta-BHC	2A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1510	Striped mullet	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST015	LB033F1515	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1509	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB033F1505	Striped mullet	Whole Body	delta-BHC	3A	88	27	61	10.8	ug/kg	5.00	ug/kg	N	0.462
BIST015	LB034F1501	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST015	LB033F1512	Striped mullet	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST015	LB033F1511	Striped mullet	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST016	LB031F1602	Gulf killifish	Whole Body	delta-BHC	1	35	10	25	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST016	LB031F1610	Gulf killifish	Whole Body	delta-BHC	1	35	10	25	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST016	LB031F1601	Gulf killifish	Whole Body	delta-BHC	1	35	10	25	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST017	LB031A1752	Mussels	Shellfish	delta-BHC	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	delta-BHC	1	11	1	10	16.6	ug/kg	5.00	ug/kg	N	0.302
BIST017	LB031F1702	Gulf killifish	Whole Body	delta-BHC	1	11	1	10	16.6	ug/kg	5.00	ug/kg	N	0.302
BIST017	LB031A1753	Mussels	Shellfish	delta-BHC	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	delta-BHC	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	delta-BHC	1	11	1	10	16.6	ug/kg	5.00	ug/kg	N	0.302
BIST019	LB061F1903	Gulf killifish	Whole Body	delta-BHC	1	26	11	15	12.9	ug/kg	5.00	ug/kg	N	0.388
BIST019	LB061F1902	Gulf killifish	Whole Body	delta-BHC	1	26	11	15	12.9	ug/kg	5.00	ug/kg	N	0.388
BIST019	LB061F1901	Gulf killifish	Whole Body	delta-BHC	1	26	11	15	12.9	ug/kg	5.00	ug/kg	N	0.388
BIST021	LB094F2104	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB093F2101	Striped mullet	Whole Body	delta-BHC	3A	42	13	29	9.93	ug/kg	5.00	ug/kg	N	0.504
BIST021	LB093F2104	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2121	Spotted seatrout	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2107	Atlantic croaker	Whole Body	delta-BHC	3B	42	13	29	9.93	ug/kg	5.00	ug/kg	N	0.504
BIST021	LB094F2122	Spotted seatrout	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB093F2103	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB093F2105	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2151	Spotted seatrout	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2141	Pinfish	Whole Body	delta-BHC	3B	42	13	29	9.93	ug/kg	5.00	ug/kg	N	0.504
BIST021	LB094F2101	Spotted seatrout	Whole Body	delta-BHC	3B	42	13	29	9.93	ug/kg	5.00	ug/kg	N	0.504
BIST021	LB094F2120	Spotted seatrout	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2103	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2124	Spotted seatrout	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB093F2102	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2115	Black Drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2118	Red drum	Whole Body	delta-BHC	4B	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB093F2108	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB093F2107	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST021	LB094F2134	Pinfish	Whole Body	delta-BHC	3B	42	13	29	9.93	ug/kg	5.00	ug/kg	N	0.504
BIST021	LB093F2106	Gizzard shad	Whole Body	delta-BHC	4A	207	38	169	6.43	ug/kg	5.00	ug/kg	N	0.777
BIST024	LB131F2408	Gulf killifish	Whole Body	delta-BHC	1	32	18	14	12.1	ug/kg	5.00	ug/kg	N	0.414
BIST024	LB131F2402	Gulf killifish	Whole Body	delta-BHC	1	32	18	14	12.1	ug/kg	5.00	ug/kg	N	0.414
BIST024	LB131F2406	Gulf killifish	Whole Body	delta-BHC	1	32	18	14	12.1	ug/kg	5.00	ug/kg	N	0.414
BIST025	LB131F2501	Gulf killifish	Whole Body	delta-BHC	1	33	17	16	12.5	ug/kg	5.00	ug/kg	N	0.401
BIST025	LB131F2502	Gulf killifish	Whole Body	delta-BHC	1	33	17	16	12.5	ug/kg	5.00	ug/kg	N	0.401

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST025	LB132F2503	Spot	Whole Body	delta-BHC	2B	2	2	0	31.1	ug/kg	5.00	ug/kg	N	0.161
BIST025	LB131F2503	Sheepshead minnow	Whole Body	delta-BHC	1	33	17	16	12.5	ug/kg	5.00	ug/kg	N	0.401
BIST025	LB132F2502	Gulf menhaden	Whole Body	delta-BHC	2A	85	30	55	10.6	ug/kg	5.00	ug/kg	N	0.471
BIST025	LB132F2501	Gulf menhaden	Whole Body	delta-BHC	2A	85	30	55	10.6	ug/kg	5.00	ug/kg	N	0.471
BIST026	LB131F2601	Gulf killifish	Whole Body	delta-BHC	1	34	14	20	13.6	ug/kg	5.00	ug/kg	N	0.367
BIST026	LB131F2604	Gulf killifish	Whole Body	delta-BHC	1	34	14	20	13.6	ug/kg	5.00	ug/kg	N	0.367
BIST027	PPGC1F2706	Gulf killifish	Whole Body	delta-BHC	1	26	9	17	9.67	ug/kg	5.00	ug/kg	N	0.517
BIST027	PPGC1F2712	Gulf killifish	Whole Body	delta-BHC	1	26	9	17	9.67	ug/kg	5.00	ug/kg	N	0.517
BIST027	PPGC1F2705	Gulf killifish	Whole Body	delta-BHC	1	26	9	17	9.67	ug/kg	5.00	ug/kg	N	0.517
BIST028	PPGC1F2802	Gulf killifish	Whole Body	delta-BHC	1	22	7	15	9.38	ug/kg	5.00	ug/kg	N	0.533
BIST028	PPGC1F2806	Gulf killifish	Whole Body	delta-BHC	1	22	7	15	9.38	ug/kg	5.00	ug/kg	N	0.533
BIST028	PPGC1F2803	Gulf killifish	Whole Body	delta-BHC	1	22	7	15	9.38	ug/kg	5.00	ug/kg	N	0.533
BIST029	PPGC1F2903	Gulf killifish	Whole Body	delta-BHC	1	25	9	16	9.48	ug/kg	5.00	ug/kg	N	0.528
BIST029	PPGC1F2905	Gulf killifish	Whole Body	delta-BHC	1	25	9	16	9.48	ug/kg	5.00	ug/kg	N	0.528
BIST029	PPGC1F2904	Gulf killifish	Whole Body	delta-BHC	1	25	9	16	9.48	ug/kg	5.00	ug/kg	N	0.528
BISTC01	BAYD4C0103	Blue crab	Shellfish	delta-BHC	I 2B	43	17	26	11.3	ug/kg	5.00	ug/kg	N	0.442
BISTC01	BAYD4C0101	Blue crab	Shellfish	delta-BHC	I 2B	43	17	26	11.3	ug/kg	5.00	ug/kg	N	0.442
BISTC02	BAYD4C0201	Blue crab	Shellfish	delta-BHC	I 2B	49	20	29	10.6	ug/kg	5.00	ug/kg	N	0.472
BISTC02	BAYD4C0205	Blue crab	Shellfish	delta-BHC	I 2B	49	20	29	10.6	ug/kg	5.00	ug/kg	N	0.472
BISTC02	BAYD4C0203	Blue crab	Shellfish	delta-BHC	I 2B	49	20	29	10.6	ug/kg	5.00	ug/kg	N	0.472
BISTC03	BAYD4C0302	Blue crab	Shellfish	delta-BHC	I 2B	67	24	43	11.1	ug/kg	5.00	ug/kg	N	0.448
BISTC05	BAYD4C0502	Blue crab	Shellfish	delta-BHC	I 2B	86	29	57	9.84	ug/kg	5.00	ug/kg	N	0.508
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	delta-BHC	2A	72	14	58	5.47	ug/kg	3.00	ug/kg	N	0.549
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	delta-BHC	I 2B	70	20	50	7.44	ug/kg	3.00	ug/kg	N	0.403
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	delta-BHC	I 1A	1	0	1	0.950	ug/kg	3.00	ug/kg	N	3.16
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	delta-BHC	I 1B	2	2	0	7.15	ug/kg	3.00	ug/kg	N	0.420
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	delta-BHC	I 1A	1	1	0	0.390	ug/kg	1.25	ug/kg	N	3.21
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	delta-BHC	I 1A	1	1	0	0.390	ug/kg	1.25	ug/kg	N	3.21
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	delta-BHC	I 1A	1	1	0	14.0	ug/kg	1.25	ug/kg	N	0.0893
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	delta-BHC	I 1A	1	1	0	14.0	ug/kg	1.25	ug/kg	N	0.0893
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	delta-BHC	I 1A	1	1	0	1.20	ug/kg	1.25	ug/kg	N	1.04
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	delta-BHC	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	delta-BHC	I 1B	1	0	1	2.65	ug/kg	1.25	ug/kg	N	0.472
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	delta-BHC	I 1B	3	0	3	6.72	ug/kg	1.25	ug/kg	N	0.186
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	delta-BHC	I 1B	3	1	2	19.8	ug/kg	1.25	ug/kg	N	0.0631
BIST004	UB041F0402	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	15	1	14	778	ug/kg	20.0	ug/kg	N	0.0257
BIST005	UB051F0508	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB051F0509	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0502	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST005	UB051F0511	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0514	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	20.0	ug/kg	N	0.0189
BIST005	UB051F0502	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0507	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	33	2	31	658	ug/kg	25.0	ug/kg	N	0.0380
BIST005	UB054F0506	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	33	2	31	658	ug/kg	25.0	ug/kg	N	0.0380
BIST005	UB054F0505	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	33	2	31	658	ug/kg	25.0	ug/kg	N	0.0380
BIST005	UB054F0504	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST005	UB051F0512	Sailfin molly	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	80.0	ug/kg	N	0.0894
BIST005	UB054F0515	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST005	UB054F0503	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST005	UB054F0511	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	33	2	31	658	ug/kg	25.0	ug/kg	N	0.0380

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0501	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	20.0	ug/kg	N	0.0189
BIST005	UB052F0501	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	33	2	31	658	ug/kg	100.0	ug/kg	N	0.152
BIST005	UB051F0525	Sailfin molly	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	60.0	ug/kg	N	0.0670
BIST005	UB051F0504	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0515	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	100.0	ug/kg	N	0.112
BIST005	UB051F0520	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0518	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB051F0516	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0503	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB051F0501	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	40.0	ug/kg	N	0.0447
BIST005	UB054F0508	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	33	2	31	658	ug/kg	25.0	ug/kg	N	0.0380
BIST005	UB051F0510	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	12	0	12	895	ug/kg	20.0	ug/kg	N	0.0223
BIST005	UB054F0516	Skipjack herring	Whole Body	Dibenzo(a,h)anthracene	3A	33	2	31	658	ug/kg	25.0	ug/kg	N	0.0380
BIST006	MB014F0615	Sand seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0607	Spot	Whole Body	Dibenzo(a,h)anthracene	2B	3	1	2	279	ug/kg	80.0	ug/kg	N	0.286
BIST006	MB014F0628	White mullet	Whole Body	Dibenzo(a,h)anthracene	3A	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0601	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	80.0	ug/kg	N	0.111
BIST006	MB012F0609	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	160	ug/kg	N	0.222
BIST006	MB014F0601	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST006	MB014F0602	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST006	MB012F0611	Spot	Whole Body	Dibenzo(a,h)anthracene	2B	3	1	2	279	ug/kg	60.0	ug/kg	N	0.215
BIST006	MB012F0603	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	40.0	ug/kg	N	0.0555
BIST006	MB014F0605	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST006	MB012F0610	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	60.0	ug/kg	N	0.0833
BIST006	MB012F0606	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	60.0	ug/kg	N	0.0833
BIST006	MB014F0603	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0619	Spot	Whole Body	Dibenzo(a,h)anthracene	2B	3	1	2	279	ug/kg	60.0	ug/kg	N	0.215
BIST006	MB011F0615	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	14	1	13	377	ug/kg	200	ug/kg	N	0.530
BIST006	MB011F0607	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	14	1	13	377	ug/kg	200	ug/kg	N	0.530
BIST006	MB014F0612	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB014F0630	Sand seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB014F0608	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST006	MB012F0613	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	20.0	ug/kg	N	0.0278
BIST006	MB012F0602	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	31	1	30	720	ug/kg	60.0	ug/kg	N	0.0833
BIST006	MB014F0604	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	31	1	30	720	ug/kg	25.0	ug/kg	N	0.0347
BIST007	MB011F0704	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	11	1	10	472	ug/kg	200	ug/kg	N	0.424
BIST008	MB031V0816	Shrimp	Shellfish	Dibenzo(a,h)anthracene	I 2A	47	3	44	556	ug/kg	20.0	ug/kg	N	0.0360
BIST008	MB031V0813	Shrimp	Shellfish	Dibenzo(a,h)anthracene	I 2A	47	3	44	556	ug/kg	200	ug/kg	N	0.360
BIST008	MB031V0812	Shrimp	Shellfish	Dibenzo(a,h)anthracene	I 2A	47	3	44	556	ug/kg	2000	ug/kg	N	3.60
BIST008	MB031V0811	Shrimp	Shellfish	Dibenzo(a,h)anthracene	I 2A	47	3	44	556	ug/kg	200	ug/kg	N	0.360
BIST008	MB031V0801	Shrimp	Shellfish	Dibenzo(a,h)anthracene	I 2A	47	3	44	556	ug/kg	200	ug/kg	N	0.360
BIST011	LB011F1103	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	28	4	24	546	ug/kg	200	ug/kg	N	0.366
BIST011	LB011F1101	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	28	4	24	546	ug/kg	200	ug/kg	N	0.366
BIST011	LB011F1105	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	28	4	24	546	ug/kg	200	ug/kg	N	0.366
BIST012	LB011F1201	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	31	4	27	589	ug/kg	200	ug/kg	N	0.340
BIST012	LB011F1204	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	31	4	27	589	ug/kg	20.0	ug/kg	N	0.0340
BIST012	LB011F1202	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	31	4	27	589	ug/kg	100.0	ug/kg	N	0.170
BIST013	LB011F1302	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	32	5	27	511	ug/kg	40.0	ug/kg	N	0.0782
BIST013	LB011F1301	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	32	5	27	511	ug/kg	100.0	ug/kg	N	0.196

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST013	LB011F1305	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	32	5	27	511	ug/kg	100.0	ug/kg	N	0.196
BIST015	LB031F1504	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	39	4	35	3740	ug/kg	200	ug/kg	N	0.0535
BIST015	LB031F1506	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	39	4	35	3740	ug/kg	100.0	ug/kg	N	0.0268
BIST015	LB031F1502	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	39	4	35	3740	ug/kg	100.0	ug/kg	N	0.0268
BIST015	LB032F1506	Spot	Whole Body	Dibenzo(a,h)anthracene	2B	4	1	3	3130	ug/kg	40.0	ug/kg	N	0.0128
BIST015	LB032F1503	Threadfin shad	Whole Body	Dibenzo(a,h)anthracene	2A	124	9	115	1560	ug/kg	80.0	ug/kg	N	0.0514
BIST015	LB032F1501	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	124	9	115	1560	ug/kg	80.0	ug/kg	N	0.0514
BIST015	LB032F1505	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	124	9	115	1560	ug/kg	60.0	ug/kg	N	0.0386
BIST015	LB034F1504	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1503	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1505	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1505	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	3B	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1511	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST015	LB033F1507	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1504	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1509	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1506	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1518	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB034F1502	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST015	LB033F1517	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1513	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST015	LB034F1501	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST015	LB034F1506	Atlantic croaker	Whole Body	Dibenzo(a,h)anthracene	3B	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1512	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST015	LB033F1502	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1508	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB033F1510	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST015	LB033F1515	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	124	9	115	1560	ug/kg	25.0	ug/kg	N	0.0161
BIST015	LB032F1507	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	124	9	115	1560	ug/kg	40.0	ug/kg	N	0.0257
BIST016	LB031F1601	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	51	5	46	3010	ug/kg	200	ug/kg	N	0.0665
BIST016	LB031F1610	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	51	5	46	3010	ug/kg	20.0	ug/kg	N	0.00665
BIST016	LB031F1602	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	51	5	46	3010	ug/kg	20.0	ug/kg	N	0.00665
BIST017	LB031F1703	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	19	3	16	6870	ug/kg	60.0	ug/kg	N	0.00873
BIST017	LB031F1704	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	19	3	16	6870	ug/kg	40.0	ug/kg	N	0.00582
BIST019	LB061F1902	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	38	2	36	665	ug/kg	200	ug/kg	N	0.301
BIST019	LB061F1903	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	38	2	36	665	ug/kg	20.0	ug/kg	N	0.0301
BIST019	LB061F1901	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	38	2	36	665	ug/kg	20.0	ug/kg	N	0.0301
BIST021	LB093F2105	Gizzard shad	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2120	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2103	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB093F2107	Gizzard shad	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB093F2104	Gizzard shad	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2121	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2134	Pinfish	Whole Body	Dibenzo(a,h)anthracene	3B	65	1	64	636	ug/kg	25.0	ug/kg	N	0.0393
BIST021	LB094F2118	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2124	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB093F2106	Gizzard shad	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB093F2108	Gizzard shad	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB093F2102	Gizzard shad	Whole Body	Dibenzo(a,h)anthracene	4A	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2107	Atlantic croaker	Whole Body	Dibenzo(a,h)anthracene	3B	65	1	64	636	ug/kg	25.0	ug/kg	N	0.0393

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2101	Striped mullet	Whole Body	Dibenzo(a,h)anthracene	3A	65	1	64	636	ug/kg	25.0	ug/kg	N	0.0393
BIST021	LB094F2104	Red drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2122	Spotted seatrout	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	25.0	ug/kg	N	0.0236
BIST021	LB094F2141	Pinfish	Whole Body	Dibenzo(a,h)anthracene	3B	65	1	64	636	ug/kg	25.0	ug/kg	N	0.0393
BIST024	LB131F2408	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	46	2	44	548	ug/kg	200	ug/kg	N	0.365
BIST024	LB131F2402	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	46	2	44	548	ug/kg	100.0	ug/kg	N	0.182
BIST024	LB131F2406	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	46	2	44	548	ug/kg	200	ug/kg	N	0.365
BIST025	LB132F2503	Spot	Whole Body	Dibenzo(a,h)anthracene	2B	2	1	1	203	ug/kg	60.0	ug/kg	N	0.295
BIST025	LB132F2501	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	116	9	107	1630	ug/kg	80.0	ug/kg	N	0.0491
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Dibenzo(a,h)anthracene	1	47	4	43	810	ug/kg	400	ug/kg	N	0.494
BIST025	LB132F2502	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	116	9	107	1630	ug/kg	20.0	ug/kg	N	0.0123
BIST025	LB131F2502	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	47	4	43	810	ug/kg	200	ug/kg	N	0.247
BIST026	LB131F2601	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	43	7	36	816	ug/kg	40.0	ug/kg	N	0.0490
BIST026	LB131F2604	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	43	7	36	816	ug/kg	100.0	ug/kg	N	0.123
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	27	4	23	536	ug/kg	40.0	ug/kg	N	0.0746
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	27	4	23	536	ug/kg	200	ug/kg	N	0.373
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	27	4	23	536	ug/kg	200	ug/kg	N	0.373
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	26	4	22	4420	ug/kg	40.0	ug/kg	N	0.00906
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	26	4	22	4420	ug/kg	200	ug/kg	N	0.0453
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	26	4	22	742	ug/kg	200	ug/kg	N	0.270
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	26	4	22	742	ug/kg	20.0	ug/kg	N	0.0270
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Dibenzo(a,h)anthracene	1	26	4	22	742	ug/kg	200	ug/kg	N	0.270
BISTC01	BAYD4C0101	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	65	2	63	619	ug/kg	20.0	ug/kg	N	0.0323
BISTC01	BAYD4C0103	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	65	2	63	619	ug/kg	20.0	ug/kg	N	0.0323
BISTC02	BAYD4C0203	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	72	2	70	613	ug/kg	20.0	ug/kg	N	0.0326
BISTC02	BAYD4C0201	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	72	2	70	613	ug/kg	20.0	ug/kg	N	0.0326
BISTC02	BAYD4C0205	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	72	2	70	613	ug/kg	20.0	ug/kg	N	0.0326
BISTC03	BAYD4C0302	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	102	5	97	1780	ug/kg	20.0	ug/kg	N	0.0112
BISTC05	BAYD4C0502	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	108	9	99	1670	ug/kg	20.0	ug/kg	N	0.0120
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Dibenzo(a,h)anthracene	2A	74	4	70	545	ug/kg	1000	ug/kg	N	1.83
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Dibenzo(a,h)anthracene	I 2B	76	5	71	565	ug/kg	1000	ug/kg	N	1.77
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Dibenzo(a,h)anthracene	3B	118	9	109	1600	ug/kg	500	ug/kg	N	0.313
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Dibenzo(a,h)anthracene	3B	118	9	109	1600	ug/kg	1000	ug/kg	N	0.625
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Dibenzo(a,h)anthracene	3B	118	9	109	1600	ug/kg	1000	ug/kg	N	0.625
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Dibenzo(a,h)anthracene	4B	254	15	239	1060	ug/kg	500	ug/kg	N	0.473
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Dibenzo(a,h)anthracene	3B	118	9	109	1600	ug/kg	500	ug/kg	N	0.312
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Dibenzo(a,h)anthracene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Dibenzo(a,h)anthracene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Dibenzo(a,h)anthracene	I 1A	1	0	1	285	ug/kg	0.660	ug/kg	Y	0.00232
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Dibenzo(a,h)anthracene	I 1A	1	0	1	285	ug/kg	0.930	ug/kg	Y	0.00326
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Dibenzo(a,h)anthracene	I 1A	1	0	1	420	ug/kg	0.770	ug/kg	Y	0.00183
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Dibenzo(a,h)anthracene	I 1A	1	0	1	420	ug/kg	0.660	ug/kg	Y	0.00157
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Dibenzo(a,h)anthracene	I 1A	1	0	1	485	ug/kg	0.520	ug/kg	Y	0.00107
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Dibenzo(a,h)anthracene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Dibenzo(a,h)anthracene	I 1B	1	0	1	550	ug/kg	1.70	ug/kg	Y	0.00309
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Dibenzo(a,h)anthracene	I 1B	3	0	3	363	ug/kg	2.70	ug/kg	Y	0.00743
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Dibenzo(a,h)anthracene	I 1B	3	0	3	193	ug/kg	1.20	ug/kg	Y	0.00621
BIST004	UB041F0402	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0401	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0404	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0508	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0503	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0512	Sailfin molly	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0514	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST005	UB051F0505	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0504	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0509	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0503	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST005	UB051F0516	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0510	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB052F0501	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0506	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0501	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0502	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0516	Skipjack herring	Whole Body	Endosulfan I	3A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0501	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0518	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0515	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0502	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST005	UB051F0523	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0515	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST005	UB051F0525	Sailfin molly	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0511	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0508	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0505	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0511	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0507	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0520	Gulf killifish	Whole Body	Endosulfan I	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST006	MB014F0604	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0609	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0605	Gulf killifish	Whole Body	Endosulfan I	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0610	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0601	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0602	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST006	MB012F0607	Spot	Whole Body	Endosulfan I	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0611	Spot	Whole Body	Endosulfan I	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB014F0605	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST006	MB012F0603	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0603	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0608	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0604	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0601	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST006	MB011F0624	Gulf killifish	Whole Body	Endosulfan I	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0612	Spotted seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0630	Sand seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0615	Sand seatrout	Whole Body	Endosulfan I	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0628	White mullet	Whole Body	Endosulfan I	3A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0613	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0602	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0619	Spot	Whole Body	Endosulfan I	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB011F0615	Gulf killifish	Whole Body	Endosulfan I	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0606	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0607	Gulf killifish	Whole Body	Endosulfan I	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB011F0616	Gulf killifish	Whole Body	Endosulfan I	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0605	Gulf menhaden	Whole Body	Endosulfan I	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST007	MB011F0708	Gulf killifish	Whole Body	Endosulfan I	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0706	Gulf killifish	Whole Body	Endosulfan I	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0704	Gulf killifish	Whole Body	Endosulfan I	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0703	Gulf killifish	Whole Body	Endosulfan I	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0702	Gulf killifish	Whole Body	Endosulfan I	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST008	MB031F0805	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0810	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0804	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0803	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0808	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0812	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0807	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0801	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0816	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0802	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0819	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0811	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0818	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0813	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0811	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0803	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0817	Shrimp	Shellfish	Endosulfan I	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0806	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST010	MB031F1013	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1006	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1001	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1004	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1009	Gulf killifish	Whole Body	Endosulfan I	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST011	LB011F1105	Gulf killifish	Whole Body	Endosulfan I	1	26	1	25	23.8	ug/kg	5.00	ug/kg	N	0.211
BIST011	LB011F1101	Gulf killifish	Whole Body	Endosulfan I	1	26	1	25	23.8	ug/kg	5.00	ug/kg	N	0.211
BIST011	LB011F1103	Gulf killifish	Whole Body	Endosulfan I	1	26	1	25	23.8	ug/kg	5.00	ug/kg	N	0.211
BIST012	LB011F1204	Gulf killifish	Whole Body	Endosulfan I	1	29	1	28	22.7	ug/kg	5.00	ug/kg	N	0.220
BIST012	LB011F1202	Gulf killifish	Whole Body	Endosulfan I	1	29	1	28	22.7	ug/kg	5.00	ug/kg	N	0.220
BIST012	LB011F1201	Gulf killifish	Whole Body	Endosulfan I	1	29	1	28	22.7	ug/kg	5.00	ug/kg	N	0.220
BIST013	LB011F1301	Gulf killifish	Whole Body	Endosulfan I	1	29	1	28	23.1	ug/kg	5.00	ug/kg	N	0.217
BIST013	LB011F1305	Gulf killifish	Whole Body	Endosulfan I	1	29	1	28	23.1	ug/kg	5.00	ug/kg	N	0.217
BIST013	LB011F1302	Gulf killifish	Whole Body	Endosulfan I	1	29	1	28	23.1	ug/kg	5.00	ug/kg	N	0.217
BIST015	LB032F1505	Gulf menhaden	Whole Body	Endosulfan I	2A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB031F1502	Gulf killifish	Whole Body	Endosulfan I	1	24	3	21	12.0	ug/kg	5.00	ug/kg	N	0.416
BIST015	LB032F1502	Gulf menhaden	Whole Body	Endosulfan I	2A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB032F1503	Threadfin shad	Whole Body	Endosulfan I	2A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB031F1506	Gulf killifish	Whole Body	Endosulfan I	1	24	3	21	12.0	ug/kg	5.00	ug/kg	N	0.416
BIST015	LB032F1504	Spot	Whole Body	Endosulfan I	2B	3	1	2	10.5	ug/kg	5.00	ug/kg	N	0.475

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1501	Gulf menhaden	Whole Body	Endosulfan I	2A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB031F1504	Gulf killifish	Whole Body	Endosulfan I	1	24	3	21	12.0	ug/kg	5.00	ug/kg	N	0.416
BIST015	LB032F1506	Spot	Whole Body	Endosulfan I	2B	3	1	2	10.5	ug/kg	5.00	ug/kg	N	0.475
BIST015	LB033F1512	Striped mullet	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB033F1516	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1513	Striped mullet	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB033F1509	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1502	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1501	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1503	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	10.5	ug/kg	N	0.725
BIST015	LB033F1510	Striped mullet	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB033F1518	Gulf menhaden	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1514	Striped mullet	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB033F1505	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB034F1504	Spotted seatrout	Whole Body	Endosulfan I	3B	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB034F1505	Spotted seatrout	Whole Body	Endosulfan I	3B	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1508	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB034F1501	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB034F1502	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB033F1511	Striped mullet	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST015	LB033F1517	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	10.5	ug/kg	N	0.725
BIST015	LB034F1506	Atlantic croaker	Whole Body	Endosulfan I	3B	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1515	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1504	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1507	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	10.5	ug/kg	N	0.725
BIST015	LB032F1507	Gulf menhaden	Whole Body	Endosulfan I	2A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST015	LB033F1506	Striped mullet	Whole Body	Endosulfan I	3A	88	7	81	14.5	ug/kg	5.00	ug/kg	N	0.345
BIST016	LB031F1610	Gulf killifish	Whole Body	Endosulfan I	1	35	6	29	13.4	ug/kg	5.00	ug/kg	N	0.373
BIST016	LB031F1602	Gulf killifish	Whole Body	Endosulfan I	1	35	6	29	13.4	ug/kg	5.00	ug/kg	N	0.373
BIST016	LB031F1601	Gulf killifish	Whole Body	Endosulfan I	1	35	6	29	13.4	ug/kg	5.00	ug/kg	N	0.373
BIST017	LB031F1703	Gulf killifish	Whole Body	Endosulfan I	1	11	3	8	16.2	ug/kg	5.00	ug/kg	N	0.308
BIST017	LB031A1753	Mussels	Shellfish	Endosulfan I	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Endosulfan I	1	11	3	8	16.2	ug/kg	5.00	ug/kg	N	0.308
BIST017	LB031A1752	Mussels	Shellfish	Endosulfan I	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Endosulfan I	1	11	3	8	16.2	ug/kg	5.00	ug/kg	N	0.308
BIST017	LB031A1754	Mussels	Shellfish	Endosulfan I	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1901	Gulf killifish	Whole Body	Endosulfan I	1	26	3	23	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST019	LB061F1902	Gulf killifish	Whole Body	Endosulfan I	1	26	3	23	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST019	LB061F1903	Gulf killifish	Whole Body	Endosulfan I	1	26	3	23	11.1	ug/kg	5.00	ug/kg	N	0.450
BIST021	LB093F2105	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2141	Pinfish	Whole Body	Endosulfan I	3B	42	3	39	8.86	ug/kg	5.00	ug/kg	N	0.564
BIST021	LB094F2151	Spotted seatrout	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2134	Pinfish	Whole Body	Endosulfan I	3B	42	3	39	8.86	ug/kg	5.00	ug/kg	N	0.564
BIST021	LB093F2108	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2115	Black Drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2118	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB093F2107	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2120	Spotted seatrout	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2104	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2121	Spotted seatrout	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2103	Red drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB093F2106	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	12.0	ug/kg	Y	1.50
BIST021	LB094F2122	Spotted seatrout	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2124	Spotted seatrout	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB094F2101	Spotted seatrout	Whole Body	Endosulfan I	3B	42	3	39	8.86	ug/kg	5.00	ug/kg	N	0.564
BIST021	LB093F2102	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	18.0	ug/kg	Y	2.24
BIST021	LB093F2103	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB093F2104	Gizzard shad	Whole Body	Endosulfan I	4A	207	8	199	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST021	LB093F2101	Striped mullet	Whole Body	Endosulfan I	3A	42	3	39	8.86	ug/kg	5.00	ug/kg	N	0.564
BIST021	LB094F2107	Atlantic croaker	Whole Body	Endosulfan I	3B	42	3	39	8.86	ug/kg	5.00	ug/kg	N	0.564
BIST024	LB131F2402	Gulf killifish	Whole Body	Endosulfan I	1	32	4	28	10.4	ug/kg	5.00	ug/kg	N	0.482
BIST024	LB131F2408	Gulf killifish	Whole Body	Endosulfan I	1	32	4	28	10.4	ug/kg	5.00	ug/kg	N	0.482
BIST024	LB131F2406	Gulf killifish	Whole Body	Endosulfan I	1	32	4	28	10.4	ug/kg	5.00	ug/kg	N	0.482
BIST025	LB132F2503	Spot	Whole Body	Endosulfan I	2B	2	0	2	14.8	ug/kg	5.00	ug/kg	N	0.339
BIST025	LB131F2501	Gulf killifish	Whole Body	Endosulfan I	1	33	5	28	10.9	ug/kg	5.00	ug/kg	N	0.460
BIST025	LB132F2502	Gulf menhaden	Whole Body	Endosulfan I	2A	85	7	78	14.6	ug/kg	5.00	ug/kg	N	0.344
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Endosulfan I	1	33	5	28	10.9	ug/kg	5.00	ug/kg	N	0.460
BIST025	LB132F2501	Gulf menhaden	Whole Body	Endosulfan I	2A	85	7	78	14.6	ug/kg	5.00	ug/kg	N	0.344
BIST025	LB131F2502	Gulf killifish	Whole Body	Endosulfan I	1	33	5	28	10.9	ug/kg	5.00	ug/kg	N	0.460
BIST026	LB131F2604	Gulf killifish	Whole Body	Endosulfan I	1	34	5	29	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST026	LB131F2601	Gulf killifish	Whole Body	Endosulfan I	1	34	5	29	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Endosulfan I	1	26	1	25	25.0	ug/kg	5.00	ug/kg	N	0.200
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Endosulfan I	1	26	1	25	25.0	ug/kg	5.00	ug/kg	N	0.200
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Endosulfan I	1	26	1	25	25.0	ug/kg	5.00	ug/kg	N	0.200
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Endosulfan I	1	22	2	20	28.6	ug/kg	5.00	ug/kg	N	0.175
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Endosulfan I	1	22	2	20	28.6	ug/kg	5.00	ug/kg	N	0.175
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Endosulfan I	1	22	2	20	28.6	ug/kg	5.00	ug/kg	N	0.175
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Endosulfan I	1	25	2	23	25.6	ug/kg	5.00	ug/kg	N	0.196
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Endosulfan I	1	25	2	23	25.6	ug/kg	5.00	ug/kg	N	0.196
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Endosulfan I	1	25	2	23	25.6	ug/kg	5.00	ug/kg	N	0.196
BISTC01	BAYD4C0101	Blue crab	Shellfish	Endosulfan I	I 2B	43	3	40	9.79	ug/kg	5.00	ug/kg	N	0.511
BISTC01	BAYD4C0103	Blue crab	Shellfish	Endosulfan I	I 2B	43	3	40	9.79	ug/kg	5.00	ug/kg	N	0.511
BISTC02	BAYD4C0203	Blue crab	Shellfish	Endosulfan I	I 2B	49	3	46	9.48	ug/kg	5.00	ug/kg	N	0.528
BISTC02	BAYD4C0205	Blue crab	Shellfish	Endosulfan I	I 2B	49	3	46	9.48	ug/kg	5.00	ug/kg	N	0.528
BISTC02	BAYD4C0201	Blue crab	Shellfish	Endosulfan I	I 2B	49	3	46	9.48	ug/kg	5.00	ug/kg	N	0.528
BISTC03	BAYD4C0302	Blue crab	Shellfish	Endosulfan I	I 2B	67	7	60	9.89	ug/kg	5.00	ug/kg	N	0.506
BISTC05	BAYD4C0502	Blue crab	Shellfish	Endosulfan I	I 2B	86	8	78	13.9	ug/kg	5.00	ug/kg	N	0.359
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Endosulfan I	2A	72	2	70	11.1	ug/kg	3.00	ug/kg	N	0.270
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Endosulfan I	I 2B	70	3	67	12.9	ug/kg	3.00	ug/kg	N	0.233
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Endosulfan I	3B	86	7	79	14.1	ug/kg	3.00	ug/kg	N	0.213
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Endosulfan I	4B	207	8	199	8.03	ug/kg	3.00	ug/kg	N	0.374
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Endosulfan I	3B	86	7	79	14.1	ug/kg	3.00	ug/kg	N	0.213
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Endosulfan I	3B	86	7	79	14.1	ug/kg	3.00	ug/kg	N	0.213
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Endosulfan I	3B	86	7	79	14.4	ug/kg	3.00	ug/kg	N	0.208
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Endosulfan I	I 1A	1	1	0	0.230	ug/kg	3.00	ug/kg	N	13.0
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Endosulfan I	I 1B	2	1	1	6.25	ug/kg	3.00	ug/kg	N	0.480
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Endosulfan I	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Endosulfan I	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Endosulfan I	I 1A	1	0	1	2.35	ug/kg	1.25	ug/kg	N	0.532
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Endosulfan I	I 1A	1	0	1	2.35	ug/kg	1.25	ug/kg	N	0.532

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Endosulfan I	I 1A	1	0	1	2.25	ug/kg	1.25	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Endosulfan I	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Endosulfan I	I 1B	1	0	1	2.65	ug/kg	1.25	ug/kg	N	0.472
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Endosulfan I	I 1B	3	0	3	3.87	ug/kg	1.25	ug/kg	N	0.323
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Endosulfan I	I 1B	3	1	2	6.94	ug/kg	1.25	ug/kg	N	0.180
BIST004	UB041F0402	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0404	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0401	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST005	UB051F0509	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0506	Spotted seatrout	Whole Body	Endosulfan II	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0512	Sailfin molly	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0503	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST005	UB051F0510	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0515	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST005	UB051F0515	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0508	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0525	Sailfin molly	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0511	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0503	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0514	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST005	UB051F0502	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0507	Spotted seatrout	Whole Body	Endosulfan II	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0504	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST005	UB051F0523	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0516	Skipjack herring	Whole Body	Endosulfan II	3A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0511	Spotted seatrout	Whole Body	Endosulfan II	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0501	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0508	Spotted seatrout	Whole Body	Endosulfan II	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0505	Spotted seatrout	Whole Body	Endosulfan II	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0504	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0518	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB052F0501	Gulf menhaden	Whole Body	Endosulfan II	2A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0501	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST005	UB051F0520	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0505	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0516	Gulf killifish	Whole Body	Endosulfan II	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0502	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST006	MB012F0607	Spot	Whole Body	Endosulfan II	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB014F0604	Spotted seatrout	Whole Body	Endosulfan II	3B	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB011F0616	Gulf killifish	Whole Body	Endosulfan II	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0630	Sand seatrout	Whole Body	Endosulfan II	3B	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB011F0624	Gulf killifish	Whole Body	Endosulfan II	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0606	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB012F0604	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB014F0608	Spotted seatrout	Whole Body	Endosulfan II	3B	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB014F0602	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST006	MB014F0601	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST006	MB014F0612	Spotted seatrout	Whole Body	Endosulfan II	3B	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB014F0615	Sand seatrout	Whole Body	Endosulfan II	3B	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0610	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB011F0607	Gulf killifish	Whole Body	Endosulfan II	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0605	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST006	MB011F0605	Gulf killifish	Whole Body	Endosulfan II	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0628	White mullet	Whole Body	Endosulfan II	3A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB012F0605	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB011F0615	Gulf killifish	Whole Body	Endosulfan II	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0619	Spot	Whole Body	Endosulfan II	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB012F0613	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB014F0603	Spotted seatrout	Whole Body	Endosulfan II	3B	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB012F0603	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB012F0601	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB012F0602	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST006	MB012F0611	Spot	Whole Body	Endosulfan II	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB012F0609	Gulf menhaden	Whole Body	Endosulfan II	2A	31	1	30	4.37	ug/kg	5.00	ug/kg	N	1.14
BIST007	MB011F0704	Gulf killifish	Whole Body	Endosulfan II	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0708	Gulf killifish	Whole Body	Endosulfan II	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0703	Gulf killifish	Whole Body	Endosulfan II	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0702	Gulf killifish	Whole Body	Endosulfan II	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0706	Gulf killifish	Whole Body	Endosulfan II	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0806	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.76	ug/kg	5.00	ug/kg	N	0.644
BIST008	MB031V0816	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031V0813	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031F0804	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.76	ug/kg	5.00	ug/kg	N	0.644
BIST008	MB031V0807	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031V0808	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031V0802	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	50.0	ug/kg	N	7.96
BIST008	MB031V0819	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031V0812	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031V0811	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031F0805	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.76	ug/kg	5.00	ug/kg	N	0.644
BIST008	MB031F0811	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.76	ug/kg	5.00	ug/kg	N	0.644
BIST008	MB031V0810	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031F0803	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.76	ug/kg	5.00	ug/kg	N	0.644
BIST008	MB031V0803	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	50.0	ug/kg	N	7.96
BIST008	MB031V0817	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST008	MB031V0818	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	50.0	ug/kg	N	7.96
BIST008	MB031V0801	Shrimp	Shellfish	Endosulfan II	I 2A	45	3	42	6.28	ug/kg	5.00	ug/kg	N	0.796
BIST010	MB031F1013	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.74	ug/kg	5.00	ug/kg	N	0.646
BIST010	MB031F1004	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.74	ug/kg	5.00	ug/kg	N	0.646
BIST010	MB031F1009	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.74	ug/kg	5.00	ug/kg	N	0.646
BIST010	MB031F1006	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.74	ug/kg	5.00	ug/kg	N	0.646
BIST010	MB031F1001	Gulf killifish	Whole Body	Endosulfan II	1	20	1	19	7.74	ug/kg	5.00	ug/kg	N	0.646
BIST011	LB011F1103	Gulf killifish	Whole Body	Endosulfan II	1	26	4	22	11.0	ug/kg	5.00	ug/kg	N	0.453
BIST011	LB011F1101	Gulf killifish	Whole Body	Endosulfan II	1	26	4	22	11.0	ug/kg	5.00	ug/kg	N	0.453
BIST011	LB011F1105	Gulf killifish	Whole Body	Endosulfan II	1	26	4	22	11.0	ug/kg	5.00	ug/kg	N	0.453
BIST012	LB011F1201	Gulf killifish	Whole Body	Endosulfan II	1	29	3	26	12.0	ug/kg	5.00	ug/kg	N	0.417
BIST012	LB011F1202	Gulf killifish	Whole Body	Endosulfan II	1	29	3	26	12.0	ug/kg	5.00	ug/kg	N	0.417
BIST012	LB011F1204	Gulf killifish	Whole Body	Endosulfan II	1	29	3	26	12.0	ug/kg	5.00	ug/kg	N	0.417
BIST013	LB011F1301	Gulf killifish	Whole Body	Endosulfan II	1	29	3	26	12.3	ug/kg	5.00	ug/kg	N	0.406

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST013	LB011F1302	Gulf killifish	Whole Body	Endosulfan II	1	29	3	26	12.3	ug/kg	5.00	ug/kg	N	0.406
BIST013	LB011F1305	Gulf killifish	Whole Body	Endosulfan II	1	29	3	26	12.3	ug/kg	5.00	ug/kg	N	0.406
BIST015	LB032F1502	Gulf menhaden	Whole Body	Endosulfan II	2A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB032F1503	Threadfin shad	Whole Body	Endosulfan II	2A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB032F1506	Spot	Whole Body	Endosulfan II	2B	3	0	3	14.4	ug/kg	5.00	ug/kg	N	0.347
BIST015	LB031F1504	Gulf killifish	Whole Body	Endosulfan II	1	24	1	23	19.7	ug/kg	5.00	ug/kg	N	0.254
BIST015	LB031F1502	Gulf killifish	Whole Body	Endosulfan II	1	24	1	23	19.7	ug/kg	5.00	ug/kg	N	0.254
BIST015	LB032F1504	Spot	Whole Body	Endosulfan II	2B	3	0	3	14.4	ug/kg	5.00	ug/kg	N	0.347
BIST015	LB032F1501	Gulf menhaden	Whole Body	Endosulfan II	2A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB031F1506	Gulf killifish	Whole Body	Endosulfan II	1	24	1	23	19.7	ug/kg	5.00	ug/kg	N	0.254
BIST015	LB032F1505	Gulf menhaden	Whole Body	Endosulfan II	2A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB032F1507	Gulf menhaden	Whole Body	Endosulfan II	2A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1507	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	21.0	ug/kg	N	1.32
BIST015	LB033F1512	Striped mullet	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	15.0	ug/kg	Y	1.53
BIST015	LB033F1506	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1513	Striped mullet	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	28.0	ug/kg	Y	2.86
BIST015	LB033F1504	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB034F1502	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST015	LB033F1511	Striped mullet	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	17.0	ug/kg	Y	1.74
BIST015	LB033F1517	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	21.0	ug/kg	N	1.32
BIST015	LB033F1503	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	21.0	ug/kg	N	1.32
BIST015	LB033F1514	Striped mullet	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST015	LB033F1502	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1518	Gulf menhaden	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1510	Striped mullet	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	25.0	ug/kg	Y	2.56
BIST015	LB033F1501	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1505	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB034F1505	Spotted seatrout	Whole Body	Endosulfan II	3B	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1508	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	14.0	ug/kg	Y	0.879
BIST015	LB034F1501	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST015	LB034F1504	Spotted seatrout	Whole Body	Endosulfan II	3B	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1516	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB034F1506	Atlantic croaker	Whole Body	Endosulfan II	3B	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1515	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	5.00	ug/kg	N	0.314
BIST015	LB033F1509	Striped mullet	Whole Body	Endosulfan II	3A	88	9	79	15.9	ug/kg	8.50	ug/kg	N	0.533
BIST016	LB031F1601	Gulf killifish	Whole Body	Endosulfan II	1	35	5	30	23.7	ug/kg	5.00	ug/kg	N	0.211
BIST016	LB031F1610	Gulf killifish	Whole Body	Endosulfan II	1	35	5	30	23.7	ug/kg	5.00	ug/kg	N	0.211
BIST016	LB031F1602	Gulf killifish	Whole Body	Endosulfan II	1	35	5	30	23.7	ug/kg	5.00	ug/kg	N	0.211
BIST017	LB031F1703	Gulf killifish	Whole Body	Endosulfan II	1	11	1	10	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST017	LB031A1753	Mussels	Shellfish	Endosulfan II	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	Endosulfan II	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Endosulfan II	1	11	1	10	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST017	LB031F1702	Gulf killifish	Whole Body	Endosulfan II	1	11	1	10	28.4	ug/kg	5.00	ug/kg	N	0.176
BIST017	LB031A1752	Mussels	Shellfish	Endosulfan II	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1903	Gulf killifish	Whole Body	Endosulfan II	1	26	5	21	20.1	ug/kg	5.00	ug/kg	N	0.249
BIST019	LB061F1902	Gulf killifish	Whole Body	Endosulfan II	1	26	5	21	20.1	ug/kg	5.00	ug/kg	N	0.249
BIST019	LB061F1901	Gulf killifish	Whole Body	Endosulfan II	1	26	5	21	20.1	ug/kg	5.00	ug/kg	N	0.249
BIST021	LB093F2108	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	19.0	ug/kg	Y	1.94
BIST021	LB094F2121	Spotted seatrout	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2151	Spotted seatrout	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2105	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	16.0	ug/kg	Y	1.64
BIST021	LB093F2104	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2120	Spotted seatrout	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB093F2107	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2103	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2118	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2107	Atlantic croaker	Whole Body	Endosulfan II	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB094F2122	Spotted seatrout	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2101	Spotted seatrout	Whole Body	Endosulfan II	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB094F2134	Pinfish	Whole Body	Endosulfan II	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB093F2102	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	30.0	ug/kg	Y	3.07
BIST021	LB094F2104	Red drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2124	Spotted seatrout	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB093F2101	Striped mullet	Whole Body	Endosulfan II	3A	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB094F2115	Black Drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB093F2103	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST021	LB094F2141	Pinfish	Whole Body	Endosulfan II	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB093F2106	Gizzard shad	Whole Body	Endosulfan II	4A	207	14	193	9.78	ug/kg	5.00	ug/kg	N	0.511
BIST024	LB131F2406	Gulf killifish	Whole Body	Endosulfan II	1	32	4	28	17.7	ug/kg	5.00	ug/kg	N	0.282
BIST024	LB131F2402	Gulf killifish	Whole Body	Endosulfan II	1	32	4	28	17.7	ug/kg	5.00	ug/kg	N	0.282
BIST024	LB131F2408	Gulf killifish	Whole Body	Endosulfan II	1	32	4	28	17.7	ug/kg	5.00	ug/kg	N	0.282
BIST025	LB131F2501	Gulf killifish	Whole Body	Endosulfan II	1	33	4	29	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST025	LB132F2502	Gulf menhaden	Whole Body	Endosulfan II	2A	85	11	74	15.9	ug/kg	5.00	ug/kg	N	0.315
BIST025	LB131F2502	Gulf killifish	Whole Body	Endosulfan II	1	33	4	29	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Endosulfan II	1	33	4	29	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST025	LB132F2501	Gulf menhaden	Whole Body	Endosulfan II	2A	85	11	74	15.9	ug/kg	5.00	ug/kg	N	0.315
BIST025	LB132F2503	Spot	Whole Body	Endosulfan II	2B	2	0	2	23.3	ug/kg	5.00	ug/kg	N	0.215
BIST026	LB131F2604	Gulf killifish	Whole Body	Endosulfan II	1	34	3	31	18.9	ug/kg	5.00	ug/kg	N	0.264
BIST026	LB131F2601	Gulf killifish	Whole Body	Endosulfan II	1	34	3	31	18.9	ug/kg	5.00	ug/kg	N	0.264
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Endosulfan II	1	26	2	24	12.9	ug/kg	5.00	ug/kg	N	0.386
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Endosulfan II	1	26	2	24	12.9	ug/kg	5.00	ug/kg	N	0.386
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Endosulfan II	1	26	2	24	12.9	ug/kg	5.00	ug/kg	N	0.386
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Endosulfan II	1	22	1	21	10.5	ug/kg	5.00	ug/kg	N	0.477
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Endosulfan II	1	22	1	21	10.5	ug/kg	5.00	ug/kg	N	0.477
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Endosulfan II	1	22	1	21	10.5	ug/kg	5.00	ug/kg	N	0.477
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Endosulfan II	1	25	1	24	10.2	ug/kg	5.00	ug/kg	N	0.490
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Endosulfan II	1	25	1	24	10.2	ug/kg	5.00	ug/kg	N	0.490
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Endosulfan II	1	25	1	24	10.2	ug/kg	5.00	ug/kg	N	0.490
BISTC01	BAYD4C0101	Blue crab	Shellfish	Endosulfan II	I 2B	43	6	37	16.4	ug/kg	5.00	ug/kg	N	0.305
BISTC01	BAYD4C0103	Blue crab	Shellfish	Endosulfan II	I 2B	43	6	37	16.4	ug/kg	5.00	ug/kg	N	0.305
BISTC02	BAYD4C0205	Blue crab	Shellfish	Endosulfan II	I 2B	49	6	43	15.9	ug/kg	5.00	ug/kg	N	0.315
BISTC02	BAYD4C0201	Blue crab	Shellfish	Endosulfan II	I 2B	49	6	43	15.9	ug/kg	5.00	ug/kg	N	0.315
BISTC02	BAYD4C0203	Blue crab	Shellfish	Endosulfan II	I 2B	49	6	43	15.9	ug/kg	5.00	ug/kg	N	0.315
BISTC03	BAYD4C0302	Blue crab	Shellfish	Endosulfan II	I 2B	67	8	59	16.9	ug/kg	5.00	ug/kg	N	0.296
BISTC05	BAYD4C0502	Blue crab	Shellfish	Endosulfan II	I 2B	86	8	78	14.8	ug/kg	5.00	ug/kg	N	0.338
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Endosulfan II	2A	72	6	66	8.27	ug/kg	3.00	ug/kg	N	0.363
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Endosulfan II	I 2B	70	6	64	9.98	ug/kg	3.00	ug/kg	N	0.301
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Endosulfan II	4B	207	14	193	9.78	ug/kg	3.00	ug/kg	N	0.307
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Endosulfan II	3B	86	11	75	15.4	ug/kg	3.00	ug/kg	N	0.194
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Endosulfan II	3B	86	11	75	15.4	ug/kg	3.00	ug/kg	N	0.194

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Endosulfan II	3B	86	11	75	15.4	ug/kg	3.00	ug/kg	N	0.194
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Endosulfan II	3B	86	11	75	15.7	ug/kg	3.00	ug/kg	N	0.191
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Endosulfan II	I 1A	1	0	1	1.85	ug/kg	3.00	ug/kg	N	1.62
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Endosulfan II	I 1B	2	0	2	13.8	ug/kg	8.50	ug/kg	Y	0.616
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Endosulfan II	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Endosulfan II	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Endosulfan II	I 1A	1	1	0	33.0	ug/kg	2.50	ug/kg	N	0.0758
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Endosulfan II	I 1A	1	1	0	33.0	ug/kg	2.50	ug/kg	N	0.0758
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Endosulfan II	I 1A	1	0	1	4.35	ug/kg	2.50	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Endosulfan II	I 1B	1	0	1	5.50	ug/kg	2.50	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Endosulfan II	I 1B	1	0	1	5.00	ug/kg	2.50	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Endosulfan II	I 1B	3	1	2	28.3	ug/kg	2.50	ug/kg	N	0.0882
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Endosulfan II	I 1B	3	1	2	63.5	ug/kg	2.50	ug/kg	N	0.0394
BIST004	UB041F0404	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0402	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST004	UB041F0401	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.68	ug/kg	5.00	ug/kg	N	1.36
BIST005	UB052F0501	Gulf menhaden	Whole Body	Endrin	2A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0502	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0504	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0516	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0505	Spotted seatrout	Whole Body	Endrin	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0501	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST005	UB054F0508	Spotted seatrout	Whole Body	Endrin	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0511	Spotted seatrout	Whole Body	Endrin	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0515	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0523	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0525	Sailfin molly	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0502	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST005	UB054F0504	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST005	UB051F0501	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0511	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0515	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST005	UB051F0509	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0503	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0520	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0512	Sailfin molly	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0506	Spotted seatrout	Whole Body	Endrin	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0508	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0510	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB051F0518	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0503	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST005	UB054F0507	Spotted seatrout	Whole Body	Endrin	3B	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB051F0505	Gulf killifish	Whole Body	Endrin	1	13	0	13	3.77	ug/kg	5.00	ug/kg	N	1.33
BIST005	UB054F0516	Skipjack herring	Whole Body	Endrin	3A	31	0	31	4.31	ug/kg	5.00	ug/kg	N	1.16
BIST005	UB054F0514	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST006	MB014F0605	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST006	MB014F0604	Spotted seatrout	Whole Body	Endrin	3B	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB014F0628	White mullet	Whole Body	Endrin	3A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0605	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0610	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB014F0602	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST006	MB014F0612	Spotted seatrout	Whole Body	Endrin	3B	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0607	Spot	Whole Body	Endrin	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB011F0615	Gulf killifish	Whole Body	Endrin	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0601	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST006	MB012F0619	Spot	Whole Body	Endrin	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB011F0605	Gulf killifish	Whole Body	Endrin	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB011F0624	Gulf killifish	Whole Body	Endrin	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB012F0604	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0602	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0613	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0601	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0611	Spot	Whole Body	Endrin	2B	3	0	3	5.50	ug/kg	5.00	ug/kg	N	0.909
BIST006	MB011F0616	Gulf killifish	Whole Body	Endrin	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0630	Sand seatrout	Whole Body	Endrin	3B	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB014F0608	Spotted seatrout	Whole Body	Endrin	3B	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0603	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0606	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB011F0607	Gulf killifish	Whole Body	Endrin	1	14	0	14	4.63	ug/kg	5.00	ug/kg	N	1.08
BIST006	MB014F0603	Spotted seatrout	Whole Body	Endrin	3B	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB012F0609	Gulf menhaden	Whole Body	Endrin	2A	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST006	MB014F0615	Sand seatrout	Whole Body	Endrin	3B	31	1	30	4.53	ug/kg	5.00	ug/kg	N	1.10
BIST007	MB011F0706	Gulf killifish	Whole Body	Endrin	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0702	Gulf killifish	Whole Body	Endrin	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0704	Gulf killifish	Whole Body	Endrin	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0703	Gulf killifish	Whole Body	Endrin	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST007	MB011F0708	Gulf killifish	Whole Body	Endrin	1	12	0	12	4.15	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0803	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	50.0	ug/kg	N	7.95
BIST008	MB031F0804	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.75	ug/kg	5.00	ug/kg	N	0.646
BIST008	MB031F0811	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.75	ug/kg	5.00	ug/kg	N	0.646
BIST008	MB031V0810	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031F0805	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.75	ug/kg	5.00	ug/kg	N	0.646
BIST008	MB031V0808	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0818	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	50.0	ug/kg	N	7.95
BIST008	MB031V0813	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0817	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0807	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0812	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0802	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	50.0	ug/kg	N	7.95
BIST008	MB031F0806	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.75	ug/kg	5.00	ug/kg	N	0.646
BIST008	MB031F0803	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.75	ug/kg	5.00	ug/kg	N	0.646
BIST008	MB031V0819	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0811	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0801	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST008	MB031V0816	Shrimp	Shellfish	Endrin	I 2A	45	3	42	6.29	ug/kg	5.00	ug/kg	N	0.795
BIST010	MB031F1001	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.72	ug/kg	5.00	ug/kg	N	0.647
BIST010	MB031F1004	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.72	ug/kg	5.00	ug/kg	N	0.647
BIST010	MB031F1006	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.72	ug/kg	5.00	ug/kg	N	0.647
BIST010	MB031F1009	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.72	ug/kg	5.00	ug/kg	N	0.647

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST010	MB031F1013	Gulf killifish	Whole Body	Endrin	1	20	1	19	7.72	ug/kg	5.00	ug/kg	N	0.647
BIST011	LB011F1105	Gulf killifish	Whole Body	Endrin	1	26	7	19	26.6	ug/kg	5.00	ug/kg	N	0.188
BIST011	LB011F1103	Gulf killifish	Whole Body	Endrin	1	26	7	19	26.6	ug/kg	5.00	ug/kg	N	0.188
BIST011	LB011F1101	Gulf killifish	Whole Body	Endrin	1	26	7	19	26.6	ug/kg	5.00	ug/kg	N	0.188
BIST012	LB011F1204	Gulf killifish	Whole Body	Endrin	1	29	7	22	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST012	LB011F1202	Gulf killifish	Whole Body	Endrin	1	29	7	22	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST012	LB011F1201	Gulf killifish	Whole Body	Endrin	1	29	7	22	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST013	LB011F1301	Gulf killifish	Whole Body	Endrin	1	29	6	23	26.1	ug/kg	5.00	ug/kg	N	0.192
BIST013	LB011F1302	Gulf killifish	Whole Body	Endrin	1	29	6	23	26.1	ug/kg	5.00	ug/kg	N	0.192
BIST013	LB011F1305	Gulf killifish	Whole Body	Endrin	1	29	6	23	26.1	ug/kg	5.00	ug/kg	N	0.192
BIST015	LB031F1502	Gulf killifish	Whole Body	Endrin	1	24	3	21	18.8	ug/kg	5.00	ug/kg	N	0.266
BIST015	LB032F1506	Spot	Whole Body	Endrin	2B	3	1	2	15.2	ug/kg	5.00	ug/kg	N	0.329
BIST015	LB032F1504	Spot	Whole Body	Endrin	2B	3	1	2	15.2	ug/kg	5.00	ug/kg	N	0.329
BIST015	LB032F1503	Threadfin shad	Whole Body	Endrin	2A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB032F1501	Gulf menhaden	Whole Body	Endrin	2A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB031F1506	Gulf killifish	Whole Body	Endrin	1	24	3	21	18.8	ug/kg	5.00	ug/kg	N	0.266
BIST015	LB031F1504	Gulf killifish	Whole Body	Endrin	1	24	3	21	18.8	ug/kg	5.00	ug/kg	N	0.266
BIST015	LB032F1505	Gulf menhaden	Whole Body	Endrin	2A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB032F1502	Gulf menhaden	Whole Body	Endrin	2A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB034F1506	Atlantic croaker	Whole Body	Endrin	3B	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB034F1505	Spotted seatrout	Whole Body	Endrin	3B	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1507	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	21.0	ug/kg	N	1.16
BIST015	LB034F1501	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST015	LB033F1505	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1517	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	21.0	ug/kg	N	1.16
BIST015	LB033F1508	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1513	Striped mullet	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	8.50	ug/kg	N	0.794
BIST015	LB034F1502	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST015	LB032F1507	Gulf menhaden	Whole Body	Endrin	2A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1502	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1501	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1516	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1504	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1503	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	21.0	ug/kg	N	1.16
BIST015	LB033F1514	Striped mullet	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST015	LB033F1512	Striped mullet	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST015	LB033F1515	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1506	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1518	Gulf menhaden	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1510	Striped mullet	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST015	LB033F1511	Striped mullet	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST015	LB034F1504	Spotted seatrout	Whole Body	Endrin	3B	88	16	72	18.2	ug/kg	5.00	ug/kg	N	0.275
BIST015	LB033F1509	Striped mullet	Whole Body	Endrin	3A	88	16	72	18.2	ug/kg	8.50	ug/kg	N	0.468
BIST016	LB031F1601	Gulf killifish	Whole Body	Endrin	1	35	9	26	18.5	ug/kg	5.00	ug/kg	N	0.271
BIST016	LB031F1610	Gulf killifish	Whole Body	Endrin	1	35	9	26	18.5	ug/kg	5.00	ug/kg	N	0.271
BIST016	LB031F1602	Gulf killifish	Whole Body	Endrin	1	35	9	26	18.5	ug/kg	5.00	ug/kg	N	0.271
BIST017	LB031A1752	Mussels	Shellfish	Endrin	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Endrin	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Endrin	1	11	3	8	26.5	ug/kg	5.00	ug/kg	N	0.189
BIST017	LB031F1703	Gulf killifish	Whole Body	Endrin	1	11	3	8	26.5	ug/kg	5.00	ug/kg	N	0.189

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1754	Mussels	Shellfish	Endrin	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Endrin	1	11	3	8	26.5	ug/kg	5.00	ug/kg	N	0.189
BIST019	LB061F1902	Gulf killifish	Whole Body	Endrin	1	26	6	20	13.5	ug/kg	5.00	ug/kg	N	0.370
BIST019	LB061F1901	Gulf killifish	Whole Body	Endrin	1	26	6	20	13.5	ug/kg	5.00	ug/kg	N	0.370
BIST019	LB061F1903	Gulf killifish	Whole Body	Endrin	1	26	6	20	13.5	ug/kg	5.00	ug/kg	N	0.370
BIST021	LB093F2107	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	10.00	ug/kg	Y	0.934
BIST021	LB094F2118	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2103	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB093F2104	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	24.0	ug/kg	Y	2.24
BIST021	LB094F2141	Pinfish	Whole Body	Endrin	3B	42	7	35	11.5	ug/kg	5.00	ug/kg	N	0.436
BIST021	LB094F2134	Pinfish	Whole Body	Endrin	3B	42	7	35	11.5	ug/kg	5.00	ug/kg	N	0.436
BIST021	LB094F2121	Spotted seatrout	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB093F2101	Striped mullet	Whole Body	Endrin	3A	42	7	35	11.5	ug/kg	5.00	ug/kg	N	0.436
BIST021	LB093F2102	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2124	Spotted seatrout	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2120	Spotted seatrout	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB093F2106	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2107	Atlantic croaker	Whole Body	Endrin	3B	42	7	35	11.5	ug/kg	5.00	ug/kg	N	0.436
BIST021	LB093F2103	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	10.00	ug/kg	Y	0.934
BIST021	LB093F2105	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2115	Black Drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2101	Spotted seatrout	Whole Body	Endrin	3B	42	7	35	11.5	ug/kg	5.00	ug/kg	N	0.436
BIST021	LB094F2151	Spotted seatrout	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2104	Red drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB094F2122	Spotted seatrout	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST021	LB093F2108	Gizzard shad	Whole Body	Endrin	4A	207	25	182	10.7	ug/kg	5.00	ug/kg	N	0.467
BIST024	LB131F2406	Gulf killifish	Whole Body	Endrin	1	32	8	24	12.6	ug/kg	5.00	ug/kg	N	0.396
BIST024	LB131F2402	Gulf killifish	Whole Body	Endrin	1	32	8	24	12.6	ug/kg	5.00	ug/kg	N	0.396
BIST024	LB131F2408	Gulf killifish	Whole Body	Endrin	1	32	8	24	12.6	ug/kg	5.00	ug/kg	N	0.396
BIST025	LB131F2502	Gulf killifish	Whole Body	Endrin	1	33	11	22	12.8	ug/kg	5.00	ug/kg	N	0.389
BIST025	LB132F2501	Gulf menhaden	Whole Body	Endrin	2A	85	18	67	18.3	ug/kg	5.00	ug/kg	N	0.274
BIST025	LB132F2502	Gulf menhaden	Whole Body	Endrin	2A	85	18	67	18.3	ug/kg	5.00	ug/kg	N	0.274
BIST025	LB132F2503	Spot	Whole Body	Endrin	2B	2	1	1	8.00	ug/kg	5.00	ug/kg	N	0.625
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Endrin	1	33	11	22	12.8	ug/kg	5.00	ug/kg	N	0.389
BIST025	LB131F2501	Gulf killifish	Whole Body	Endrin	1	33	11	22	12.8	ug/kg	5.00	ug/kg	N	0.389
BIST026	LB131F2604	Gulf killifish	Whole Body	Endrin	1	34	10	24	27.0	ug/kg	5.00	ug/kg	N	0.185
BIST026	LB131F2601	Gulf killifish	Whole Body	Endrin	1	34	10	24	27.0	ug/kg	5.00	ug/kg	N	0.185
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Endrin	1	26	5	21	28.2	ug/kg	5.00	ug/kg	N	0.178
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Endrin	1	26	5	21	28.2	ug/kg	5.00	ug/kg	N	0.178
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Endrin	1	26	5	21	28.2	ug/kg	5.00	ug/kg	N	0.178
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Endrin	1	22	4	18	31.5	ug/kg	5.00	ug/kg	N	0.159
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Endrin	1	22	4	18	31.5	ug/kg	5.00	ug/kg	N	0.159
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Endrin	1	22	4	18	31.5	ug/kg	5.00	ug/kg	N	0.159
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Endrin	1	25	5	20	27.9	ug/kg	5.00	ug/kg	N	0.179
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Endrin	1	25	5	20	27.9	ug/kg	5.00	ug/kg	N	0.179
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Endrin	1	25	5	20	27.9	ug/kg	5.00	ug/kg	N	0.179
BISTC01	BAYD4C0101	Blue crab	Shellfish	Endrin	I 2B	43	7	36	12.3	ug/kg	20.0	ug/kg	Y	1.63
BISTC01	BAYD4C0103	Blue crab	Shellfish	Endrin	I 2B	43	7	36	12.3	ug/kg	25.0	ug/kg	Y	2.03
BISTC02	BAYD4C0201	Blue crab	Shellfish	Endrin	I 2B	49	8	41	12.2	ug/kg	5.00	ug/kg	N	0.409
BISTC02	BAYD4C0203	Blue crab	Shellfish	Endrin	I 2B	49	8	41	12.2	ug/kg	5.00	ug/kg	N	0.409

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC02	BAYD4C0205	Blue crab	Shellfish	Endrin	I 2B	49	8	41	12.2	ug/kg	5.00	ug/kg	N	0.409
BISTC03	BAYD4C0302	Blue crab	Shellfish	Endrin	I 2B	67	13	54	13.9	ug/kg	5.00	ug/kg	N	0.359
BISTC05	BAYD4C0502	Blue crab	Shellfish	Endrin	I 2B	86	20	66	17.2	ug/kg	13.0	ug/kg	Y	0.758
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Endrin	2A	72	12	60	13.7	ug/kg	3.00	ug/kg	N	0.219
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Endrin	I 2B	70	15	55	14.7	ug/kg	3.00	ug/kg	N	0.203
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Endrin	3B	86	18	68	17.8	ug/kg	3.00	ug/kg	N	0.168
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Endrin	3B	86	18	68	17.8	ug/kg	3.00	ug/kg	N	0.168
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Endrin	3B	86	18	68	17.8	ug/kg	3.00	ug/kg	N	0.168
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Endrin	4B	207	25	182	10.7	ug/kg	3.00	ug/kg	N	0.280
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Endrin	3B	86	18	68	18.1	ug/kg	3.00	ug/kg	N	0.166
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Endrin	I 1A	1	0	1	1.85	ug/kg	3.00	ug/kg	N	1.62
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Endrin	I 1B	2	2	0	3.40	ug/kg	3.00	ug/kg	N	0.882
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Endrin	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Endrin	I 1A	1	0	1	2.15	ug/kg	2.50	ug/kg	N	1.16
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Endrin	I 1A	1	1	0	28.0	ug/kg	2.50	ug/kg	N	0.0893
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Endrin	I 1A	1	1	0	28.0	ug/kg	2.50	ug/kg	N	0.0893
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Endrin	I 1A	1	0	1	4.35	ug/kg	2.50	ug/kg	N	0.575
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Endrin	I 1B	1	0	1	5.50	ug/kg	2.50	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Endrin	I 1B	1	0	1	5.00	ug/kg	2.50	ug/kg	N	0.500
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Endrin	I 1B	3	1	2	19.3	ug/kg	2.50	ug/kg	N	0.129
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Endrin	I 1B	3	1	2	26.8	ug/kg	2.50	ug/kg	N	0.0933
BIST004	UB041F0402	Gulf killifish	Whole Body	Fluoranthene	1	15	5	10	745	ug/kg	20.0	ug/kg	N	0.0268
BIST004	UB041F0404	Gulf killifish	Whole Body	Fluoranthene	1	15	5	10	745	ug/kg	100.0	ug/kg	N	0.134
BIST004	UB041F0401	Gulf killifish	Whole Body	Fluoranthene	1	15	5	10	745	ug/kg	100.0	ug/kg	N	0.134
BIST005	UB054F0506	Spotted seatrout	Whole Body	Fluoranthene	3B	34	9	25	653	ug/kg	25.0	ug/kg	N	0.0383
BIST005	UB051F0509	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB052F0501	Gulf menhaden	Whole Body	Fluoranthene	2A	34	9	25	653	ug/kg	100.0	ug/kg	N	0.153
BIST005	UB051F0502	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB051F0505	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST005	UB054F0515	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB051F0525	Sailfin molly	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	60.0	ug/kg	N	0.0702
BIST005	UB054F0514	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	20.0	ug/kg	N	0.0179
BIST005	UB054F0504	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB051F0508	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB051F0510	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB051F0501	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST005	UB054F0501	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	20.0	ug/kg	N	0.0179
BIST005	UB054F0507	Spotted seatrout	Whole Body	Fluoranthene	3B	34	9	25	653	ug/kg	25.0	ug/kg	N	0.0383
BIST005	UB054F0505	Spotted seatrout	Whole Body	Fluoranthene	3B	34	9	25	653	ug/kg	25.0	ug/kg	N	0.0383
BIST005	UB054F0511	Spotted seatrout	Whole Body	Fluoranthene	3B	34	9	25	653	ug/kg	25.0	ug/kg	N	0.0383
BIST005	UB051F0504	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST005	UB051F0520	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST005	UB051F0518	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB054F0516	Skipjack herring	Whole Body	Fluoranthene	3A	34	9	25	653	ug/kg	25.0	ug/kg	N	0.0383
BIST005	UB051F0512	Sailfin molly	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	80.0	ug/kg	N	0.0935
BIST005	UB051F0515	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	100.0	ug/kg	N	0.117
BIST005	UB051F0503	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST005	UB051F0523	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST005	UB054F0503	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0502	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB051F0511	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	20.0	ug/kg	N	0.0234
BIST005	UB054F0508	Spotted seatrout	Whole Body	Fluoranthene	3B	34	9	25	653	ug/kg	25.0	ug/kg	N	0.0383
BIST005	UB051F0516	Gulf killifish	Whole Body	Fluoranthene	1	13	5	8	855	ug/kg	40.0	ug/kg	N	0.0468
BIST006	MB014F0604	Spotted seatrout	Whole Body	Fluoranthene	3B	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0601	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	80.0	ug/kg	N	0.112
BIST006	MB014F0630	Sand seatrout	Whole Body	Fluoranthene	3B	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0603	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	40.0	ug/kg	N	0.0561
BIST006	MB011F0616	Gulf killifish	Whole Body	Fluoranthene	1	15	4	11	408	ug/kg	100.0	ug/kg	N	0.245
BIST006	MB012F0609	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	160	ug/kg	N	0.225
BIST006	MB014F0605	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST006	MB014F0602	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST006	MB012F0607	Spot	Whole Body	Fluoranthene	2B	3	1	2	313	ug/kg	80.0	ug/kg	N	0.256
BIST006	MB012F0610	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB011F0605	Gulf killifish	Whole Body	Fluoranthene	1	15	4	11	408	ug/kg	100.0	ug/kg	N	0.245
BIST006	MB014F0603	Spotted seatrout	Whole Body	Fluoranthene	3B	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0605	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	80.0	ug/kg	N	0.112
BIST006	MB011F0615	Gulf killifish	Whole Body	Fluoranthene	1	15	4	11	408	ug/kg	200	ug/kg	N	0.490
BIST006	MB014F0601	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST006	MB011F0624	Gulf killifish	Whole Body	Fluoranthene	1	15	4	11	408	ug/kg	100.0	ug/kg	N	0.245
BIST006	MB014F0612	Spotted seatrout	Whole Body	Fluoranthene	3B	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0619	Spot	Whole Body	Fluoranthene	2B	3	1	2	313	ug/kg	60.0	ug/kg	N	0.192
BIST006	MB012F0606	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB014F0628	White mullet	Whole Body	Fluoranthene	3A	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0615	Sand seatrout	Whole Body	Fluoranthene	3B	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0608	Spotted seatrout	Whole Body	Fluoranthene	3B	32	6	26	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0602	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB011F0607	Gulf killifish	Whole Body	Fluoranthene	1	15	4	11	408	ug/kg	200	ug/kg	N	0.490
BIST006	MB012F0613	Gulf menhaden	Whole Body	Fluoranthene	2A	32	6	26	713	ug/kg	20.0	ug/kg	N	0.0281
BIST006	MB012F0611	Spot	Whole Body	Fluoranthene	2B	3	1	2	313	ug/kg	60.0	ug/kg	N	0.192
BIST007	MB011F0706	Gulf killifish	Whole Body	Fluoranthene	1	12	5	7	494	ug/kg	100.0	ug/kg	N	0.202
BIST007	MB011F0704	Gulf killifish	Whole Body	Fluoranthene	1	12	5	7	494	ug/kg	100.0	ug/kg	N	0.202
BIST007	MB011F0702	Gulf killifish	Whole Body	Fluoranthene	1	12	5	7	494	ug/kg	100.0	ug/kg	N	0.202
BIST007	MB011F0703	Gulf killifish	Whole Body	Fluoranthene	1	12	5	7	494	ug/kg	100.0	ug/kg	N	0.202
BIST007	MB011F0708	Gulf killifish	Whole Body	Fluoranthene	1	12	5	7	494	ug/kg	100.0	ug/kg	N	0.202
BIST008	MB031V0812	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031V0817	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031V0810	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031V0801	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	200	ug/kg	N	0.312
BIST008	MB031F0806	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	685	ug/kg	100.0	ug/kg	N	0.146
BIST008	MB031F0803	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	685	ug/kg	100.0	ug/kg	N	0.146
BIST008	MB031V0807	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031V0819	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031V0803	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	200	ug/kg	N	0.312
BIST008	MB031V0813	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	200	ug/kg	N	0.312
BIST008	MB031F0811	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	685	ug/kg	100.0	ug/kg	N	0.146
BIST008	MB031V0802	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	40.0	ug/kg	N	0.0624
BIST008	MB031V0811	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031V0808	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031F0804	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	685	ug/kg	100.0	ug/kg	N	0.146

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0816	Shrimp	Shellfish	Fluoranthene	I 2A	47	6	41	641	ug/kg	20.0	ug/kg	N	0.0312
BIST008	MB031F0805	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	685	ug/kg	100.0	ug/kg	N	0.146
BIST010	MB031F1004	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	680	ug/kg	100.0	ug/kg	N	0.147
BIST010	MB031F1013	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	680	ug/kg	100.0	ug/kg	N	0.147
BIST010	MB031F1009	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	680	ug/kg	100.0	ug/kg	N	0.147
BIST010	MB031F1006	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	680	ug/kg	100.0	ug/kg	N	0.147
BIST010	MB031F1001	Gulf killifish	Whole Body	Fluoranthene	1	20	5	15	680	ug/kg	100.0	ug/kg	N	0.147
BIST011	LB011F1105	Gulf killifish	Whole Body	Fluoranthene	1	30	8	22	550	ug/kg	200	ug/kg	N	0.364
BIST011	LB011F1101	Gulf killifish	Whole Body	Fluoranthene	1	30	8	22	550	ug/kg	200	ug/kg	N	0.364
BIST011	LB011F1103	Gulf killifish	Whole Body	Fluoranthene	1	30	8	22	550	ug/kg	200	ug/kg	N	0.364
BIST012	LB011F1201	Gulf killifish	Whole Body	Fluoranthene	1	36	11	25	548	ug/kg	200	ug/kg	N	0.365
BIST012	LB011F1202	Gulf killifish	Whole Body	Fluoranthene	1	36	11	25	548	ug/kg	100.0	ug/kg	N	0.182
BIST012	LB011F1204	Gulf killifish	Whole Body	Fluoranthene	1	36	11	25	548	ug/kg	20.0	ug/kg	N	0.0365
BIST013	LB011F1302	Gulf killifish	Whole Body	Fluoranthene	1	37	12	25	485	ug/kg	40.0	ug/kg	N	0.0825
BIST013	LB011F1305	Gulf killifish	Whole Body	Fluoranthene	1	37	12	25	485	ug/kg	100.0	ug/kg	N	0.206
BIST013	LB011F1301	Gulf killifish	Whole Body	Fluoranthene	1	37	12	25	485	ug/kg	100.0	ug/kg	N	0.206
BIST015	LB032F1503	Threadfin shad	Whole Body	Fluoranthene	2A	132	28	104	1620	ug/kg	80.0	ug/kg	N	0.0493
BIST015	LB032F1501	Gulf menhaden	Whole Body	Fluoranthene	2A	132	28	104	1620	ug/kg	80.0	ug/kg	N	0.0493
BIST015	LB032F1502	Gulf menhaden	Whole Body	Fluoranthene	2A	132	28	104	1620	ug/kg	80.0	ug/kg	N	0.0493
BIST015	LB031F1502	Gulf killifish	Whole Body	Fluoranthene	1	42	10	32	3930	ug/kg	100.0	ug/kg	N	0.0254
BIST015	LB032F1505	Gulf menhaden	Whole Body	Fluoranthene	2A	132	28	104	1620	ug/kg	60.0	ug/kg	N	0.0370
BIST015	LB031F1504	Gulf killifish	Whole Body	Fluoranthene	1	42	10	32	3930	ug/kg	200	ug/kg	N	0.0508
BIST015	LB032F1506	Spot	Whole Body	Fluoranthene	2B	4	1	3	3710	ug/kg	40.0	ug/kg	N	0.0108
BIST015	LB031F1506	Gulf killifish	Whole Body	Fluoranthene	1	42	10	32	3930	ug/kg	100.0	ug/kg	N	0.0254
BIST015	LB034F1505	Spotted seatrout	Whole Body	Fluoranthene	3B	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1504	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB034F1501	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1518	Gulf menhaden	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB032F1507	Gulf menhaden	Whole Body	Fluoranthene	2A	132	28	104	1620	ug/kg	40.0	ug/kg	N	0.0246
BIST015	LB033F1506	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1507	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1510	Striped mullet	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1509	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1503	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1505	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1513	Striped mullet	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB034F1504	Spotted seatrout	Whole Body	Fluoranthene	3B	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1508	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1511	Striped mullet	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB034F1506	Atlantic croaker	Whole Body	Fluoranthene	3B	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB034F1502	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1512	Striped mullet	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1517	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1515	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1514	Striped mullet	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1501	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1502	Striped mullet	Whole Body	Fluoranthene	3A	132	28	104	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST016	LB031F1601	Gulf killifish	Whole Body	Fluoranthene	1	54	16	38	3220	ug/kg	200	ug/kg	N	0.0622
BIST016	LB031F1602	Gulf killifish	Whole Body	Fluoranthene	1	54	16	38	3220	ug/kg	20.0	ug/kg	N	0.00622
BIST016	LB031F1610	Gulf killifish	Whole Body	Fluoranthene	1	54	16	38	3220	ug/kg	20.0	ug/kg	N	0.00622

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1752	Mussels	Shellfish	Fluoranthene	I 1A	1	1	0	19100	ug/kg	100.0	ug/kg	N	0.00524
BIST017	LB031F1703	Gulf killifish	Whole Body	Fluoranthene	1	19	3	16	7750	ug/kg	60.0	ug/kg	N	0.00774
BIST017	LB031A1753	Mussels	Shellfish	Fluoranthene	I 1A	1	1	0	19100	ug/kg	100.0	ug/kg	N	0.00524
BIST017	LB031F1702	Gulf killifish	Whole Body	Fluoranthene	1	19	3	16	7750	ug/kg	500	ug/kg	N	0.0645
BIST017	LB031F1704	Gulf killifish	Whole Body	Fluoranthene	1	19	3	16	7750	ug/kg	40.0	ug/kg	N	0.00516
BIST017	LB031A1754	Mussels	Shellfish	Fluoranthene	I 1A	1	1	0	19100	ug/kg	100.0	ug/kg	N	0.00524
BIST019	LB061F1903	Gulf killifish	Whole Body	Fluoranthene	1	41	14	27	699	ug/kg	20.0	ug/kg	N	0.0286
BIST019	LB061F1901	Gulf killifish	Whole Body	Fluoranthene	1	41	14	27	699	ug/kg	20.0	ug/kg	N	0.0286
BIST019	LB061F1902	Gulf killifish	Whole Body	Fluoranthene	1	41	14	27	699	ug/kg	200	ug/kg	N	0.286
BIST021	LB093F2108	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2122	Spotted seatrout	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2107	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2102	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2105	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2115	Black Drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2107	Atlantic croaker	Whole Body	Fluoranthene	3B	68	13	55	674	ug/kg	25.0	ug/kg	N	0.0371
BIST021	LB094F2134	Pinfish	Whole Body	Fluoranthene	3B	68	13	55	674	ug/kg	25.0	ug/kg	N	0.0371
BIST021	LB094F2118	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2141	Pinfish	Whole Body	Fluoranthene	3B	68	13	55	674	ug/kg	25.0	ug/kg	N	0.0371
BIST021	LB094F2104	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2103	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2120	Spotted seatrout	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2103	Red drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2104	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2121	Spotted seatrout	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2124	Spotted seatrout	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2101	Striped mullet	Whole Body	Fluoranthene	3A	68	13	55	674	ug/kg	25.0	ug/kg	N	0.0371
BIST021	LB093F2106	Gizzard shad	Whole Body	Fluoranthene	4A	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2151	Spotted seatrout	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST024	LB131F2402	Gulf killifish	Whole Body	Fluoranthene	1	49	11	38	530	ug/kg	100.0	ug/kg	N	0.189
BIST024	LB131F2406	Gulf killifish	Whole Body	Fluoranthene	1	49	11	38	530	ug/kg	200	ug/kg	N	0.377
BIST024	LB131F2408	Gulf killifish	Whole Body	Fluoranthene	1	49	11	38	530	ug/kg	200	ug/kg	N	0.377
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Fluoranthene	1	50	12	38	783	ug/kg	400	ug/kg	N	0.511
BIST025	LB132F2502	Gulf menhaden	Whole Body	Fluoranthene	2A	124	27	97	1700	ug/kg	20.0	ug/kg	N	0.0118
BIST025	LB131F2502	Gulf killifish	Whole Body	Fluoranthene	1	50	12	38	783	ug/kg	200	ug/kg	N	0.255
BIST025	LB132F2503	Spot	Whole Body	Fluoranthene	2B	2	2	0	123	ug/kg	60.0	ug/kg	N	0.490
BIST025	LB132F2501	Gulf menhaden	Whole Body	Fluoranthene	2A	124	27	97	1700	ug/kg	80.0	ug/kg	N	0.0470
BIST026	LB131F2604	Gulf killifish	Whole Body	Fluoranthene	1	49	18	31	811	ug/kg	100.0	ug/kg	N	0.123
BIST026	LB131F2601	Gulf killifish	Whole Body	Fluoranthene	1	49	18	31	811	ug/kg	40.0	ug/kg	N	0.0494
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Fluoranthene	1	32	11	21	498	ug/kg	40.0	ug/kg	N	0.0803
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Fluoranthene	1	32	11	21	498	ug/kg	200	ug/kg	N	0.401
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Fluoranthene	1	32	11	21	498	ug/kg	200	ug/kg	N	0.401
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Fluoranthene	1	31	11	20	3820	ug/kg	100.0	ug/kg	N	0.0262
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Fluoranthene	1	31	11	20	3820	ug/kg	200	ug/kg	N	0.0524
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Fluoranthene	1	31	11	20	3820	ug/kg	40.0	ug/kg	N	0.0105
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Fluoranthene	1	31	11	20	670	ug/kg	200	ug/kg	N	0.299
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Fluoranthene	1	31	11	20	670	ug/kg	200	ug/kg	N	0.299
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Fluoranthene	1	31	11	20	670	ug/kg	20.0	ug/kg	N	0.0299
BISTC01	BAYD4C0103	Blue crab	Shellfish	Fluoranthene	I 2B	68	14	54	659	ug/kg	20.0	ug/kg	N	0.0304
BISTC01	BAYD4C0101	Blue crab	Shellfish	Fluoranthene	I 2B	68	14	54	659	ug/kg	20.0	ug/kg	N	0.0304

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC02	BAYD4C0203	Blue crab	Shellfish	Fluoranthene	I 2B	76	15	61	628	ug/kg	20.0	ug/kg	N	0.0319
BISTC02	BAYD4C0201	Blue crab	Shellfish	Fluoranthene	I 2B	76	15	61	628	ug/kg	20.0	ug/kg	N	0.0319
BISTC02	BAYD4C0205	Blue crab	Shellfish	Fluoranthene	I 2B	76	15	61	628	ug/kg	20.0	ug/kg	N	0.0319
BISTC03	BAYD4C0302	Blue crab	Shellfish	Fluoranthene	I 2B	106	18	88	1910	ug/kg	20.0	ug/kg	N	0.0105
BISTC05	BAYD4C0502	Blue crab	Shellfish	Fluoranthene	I 2B	115	24	91	1740	ug/kg	20.0	ug/kg	N	0.0115
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Fluoranthene	2A	77	11	66	533	ug/kg	1000	ug/kg	N	1.88
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Fluoranthene	I 2B	82	15	67	536	ug/kg	1000	ug/kg	N	1.87
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Fluoranthene	4B	263	50	213	1120	ug/kg	500	ug/kg	N	0.446
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Fluoranthene	3B	126	28	98	1670	ug/kg	1000	ug/kg	N	0.599
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Fluoranthene	3B	126	28	98	1670	ug/kg	1000	ug/kg	N	0.599
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Fluoranthene	3B	126	28	98	1670	ug/kg	500	ug/kg	N	0.299
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Fluoranthene	3B	126	28	98	1670	ug/kg	500	ug/kg	N	0.299
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Fluoranthene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Fluoranthene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Fluoranthene	I 1A	1	0	1	285	ug/kg	8.50	ug/kg	Y	0.0298
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Fluoranthene	I 1A	1	0	1	285	ug/kg	12.0	ug/kg	Y	0.0421
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Fluoranthene	I 1A	1	0	1	420	ug/kg	3.40	ug/kg	Y	0.00810
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Fluoranthene	I 1A	1	0	1	420	ug/kg	2.80	ug/kg	Y	0.00667
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Fluoranthene	I 1A	1	0	1	485	ug/kg	6.00	ug/kg	Y	0.0124
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Fluoranthene	I 1B	1	0	1	500	ug/kg	0.720	ug/kg	Y	0.00144
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Fluoranthene	I 1B	1	0	1	550	ug/kg	1.80	ug/kg	Y	0.00327
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Fluoranthene	I 1B	3	0	3	363	ug/kg	2.50	ug/kg	Y	0.00688
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Fluoranthene	I 1B	3	2	1	183	ug/kg	2.60	ug/kg	Y	0.0142
BIST004	UB041F0402	Gulf killifish	Whole Body	Fluorene	1	15	1	14	777	ug/kg	20.0	ug/kg	N	0.0257
BIST004	UB041F0404	Gulf killifish	Whole Body	Fluorene	1	15	1	14	777	ug/kg	100.0	ug/kg	N	0.129
BIST004	UB041F0401	Gulf killifish	Whole Body	Fluorene	1	15	1	14	777	ug/kg	100.0	ug/kg	N	0.129
BIST005	UB051F0504	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0501	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0505	Spotted seatrout	Whole Body	Fluorene	3B	33	3	30	651	ug/kg	25.0	ug/kg	N	0.0384
BIST005	UB051F0509	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB051F0525	Sailfin molly	Whole Body	Fluorene	1	12	1	11	877	ug/kg	60.0	ug/kg	N	0.0684
BIST005	UB054F0515	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB051F0516	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0512	Sailfin molly	Whole Body	Fluorene	1	12	1	11	877	ug/kg	80.0	ug/kg	N	0.0912
BIST005	UB051F0520	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0503	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB051F0503	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0507	Spotted seatrout	Whole Body	Fluorene	3B	33	3	30	651	ug/kg	25.0	ug/kg	N	0.0384
BIST005	UB054F0501	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	20.0	ug/kg	N	0.0179
BIST005	UB051F0508	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0511	Spotted seatrout	Whole Body	Fluorene	3B	33	3	30	651	ug/kg	25.0	ug/kg	N	0.0384
BIST005	UB054F0508	Spotted seatrout	Whole Body	Fluorene	3B	33	3	30	651	ug/kg	25.0	ug/kg	N	0.0384
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB051F0515	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	100.0	ug/kg	N	0.114
BIST005	UB051F0523	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB051F0510	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0514	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	20.0	ug/kg	N	0.0179
BIST005	UB051F0505	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	40.0	ug/kg	N	0.0456
BIST005	UB054F0504	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB051F0502	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0518	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0502	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST005	UB052F0501	Gulf menhaden	Whole Body	Fluorene	2A	33	3	30	651	ug/kg	100.0	ug/kg	N	0.154
BIST005	UB054F0506	Spotted seatrout	Whole Body	Fluorene	3B	33	3	30	651	ug/kg	25.0	ug/kg	N	0.0384
BIST005	UB051F0511	Gulf killifish	Whole Body	Fluorene	1	12	1	11	877	ug/kg	20.0	ug/kg	N	0.0228
BIST005	UB054F0516	Skipjack herring	Whole Body	Fluorene	3A	33	3	30	651	ug/kg	25.0	ug/kg	N	0.0384
BIST006	MB014F0602	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST006	MB012F0607	Spot	Whole Body	Fluorene	2B	3	1	2	278	ug/kg	80.0	ug/kg	N	0.287
BIST006	MB012F0603	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	40.0	ug/kg	N	0.0561
BIST006	MB014F0608	Spotted seatrout	Whole Body	Fluorene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0606	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB014F0605	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST006	MB014F0628	White mullet	Whole Body	Fluorene	3A	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0602	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB014F0615	Sand seatrout	Whole Body	Fluorene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0605	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	80.0	ug/kg	N	0.112
BIST006	MB014F0603	Spotted seatrout	Whole Body	Fluorene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0604	Spotted seatrout	Whole Body	Fluorene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB014F0630	Sand seatrout	Whole Body	Fluorene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB011F0605	Gulf killifish	Whole Body	Fluorene	1	14	2	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB012F0601	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	80.0	ug/kg	N	0.112
BIST006	MB012F0610	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	60.0	ug/kg	N	0.0842
BIST006	MB011F0624	Gulf killifish	Whole Body	Fluorene	1	14	2	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB011F0616	Gulf killifish	Whole Body	Fluorene	1	14	2	12	361	ug/kg	100.0	ug/kg	N	0.277
BIST006	MB011F0607	Gulf killifish	Whole Body	Fluorene	1	14	2	12	361	ug/kg	200	ug/kg	N	0.553
BIST006	MB012F0613	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	20.0	ug/kg	N	0.0281
BIST006	MB014F0601	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST006	MB012F0609	Gulf menhaden	Whole Body	Fluorene	2A	31	2	29	713	ug/kg	160	ug/kg	N	0.224
BIST006	MB011F0615	Gulf killifish	Whole Body	Fluorene	1	14	2	12	361	ug/kg	200	ug/kg	N	0.553
BIST006	MB012F0611	Spot	Whole Body	Fluorene	2B	3	1	2	278	ug/kg	60.0	ug/kg	N	0.216
BIST006	MB014F0612	Spotted seatrout	Whole Body	Fluorene	3B	31	2	29	713	ug/kg	25.0	ug/kg	N	0.0351
BIST006	MB012F0619	Spot	Whole Body	Fluorene	2B	3	1	2	278	ug/kg	60.0	ug/kg	N	0.216
BIST007	MB011F0703	Gulf killifish	Whole Body	Fluorene	1	11	2	9	452	ug/kg	100.0	ug/kg	N	0.221
BIST007	MB011F0708	Gulf killifish	Whole Body	Fluorene	1	11	2	9	452	ug/kg	100.0	ug/kg	N	0.221
BIST007	MB011F0704	Gulf killifish	Whole Body	Fluorene	1	11	2	9	452	ug/kg	100.0	ug/kg	N	0.221
BIST007	MB011F0706	Gulf killifish	Whole Body	Fluorene	1	11	2	9	452	ug/kg	100.0	ug/kg	N	0.221
BIST007	MB011F0702	Gulf killifish	Whole Body	Fluorene	1	11	2	9	452	ug/kg	100.0	ug/kg	N	0.221
BIST008	MB031V0808	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031F0804	Gulf killifish	Whole Body	Fluorene	1	18	1	17	519	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031F0806	Gulf killifish	Whole Body	Fluorene	1	18	1	17	519	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0819	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031V0802	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	40.0	ug/kg	N	0.0691
BIST008	MB031V0811	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031F0805	Gulf killifish	Whole Body	Fluorene	1	18	1	17	519	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0807	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031V0812	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031F0803	Gulf killifish	Whole Body	Fluorene	1	18	1	17	519	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0801	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	200	ug/kg	N	0.345
BIST008	MB031V0817	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031V0816	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0810	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	20.0	ug/kg	N	0.0345
BIST008	MB031V0813	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	200	ug/kg	N	0.345
BIST008	MB031F0811	Gulf killifish	Whole Body	Fluorene	1	18	1	17	519	ug/kg	100.0	ug/kg	N	0.193
BIST008	MB031V0803	Shrimp	Shellfish	Fluorene	I 2A	45	1	44	579	ug/kg	200	ug/kg	N	0.345
BIST010	MB031F1009	Gulf killifish	Whole Body	Fluorene	1	18	1	17	513	ug/kg	100.0	ug/kg	N	0.195
BIST010	MB031F1004	Gulf killifish	Whole Body	Fluorene	1	18	1	17	513	ug/kg	100.0	ug/kg	N	0.195
BIST010	MB031F1001	Gulf killifish	Whole Body	Fluorene	1	18	1	17	513	ug/kg	100.0	ug/kg	N	0.195
BIST010	MB031F1006	Gulf killifish	Whole Body	Fluorene	1	18	1	17	513	ug/kg	100.0	ug/kg	N	0.195
BIST010	MB031F1013	Gulf killifish	Whole Body	Fluorene	1	18	1	17	513	ug/kg	100.0	ug/kg	N	0.195
BIST011	LB011F1101	Gulf killifish	Whole Body	Fluorene	1	25	1	24	586	ug/kg	200	ug/kg	N	0.342
BIST011	LB011F1105	Gulf killifish	Whole Body	Fluorene	1	25	1	24	586	ug/kg	200	ug/kg	N	0.342
BIST011	LB011F1103	Gulf killifish	Whole Body	Fluorene	1	25	1	24	586	ug/kg	200	ug/kg	N	0.342
BIST012	LB011F1201	Gulf killifish	Whole Body	Fluorene	1	28	1	27	629	ug/kg	200	ug/kg	N	0.318
BIST012	LB011F1202	Gulf killifish	Whole Body	Fluorene	1	28	1	27	629	ug/kg	100.0	ug/kg	N	0.159
BIST012	LB011F1204	Gulf killifish	Whole Body	Fluorene	1	28	1	27	629	ug/kg	20.0	ug/kg	N	0.0318
BIST013	LB011F1301	Gulf killifish	Whole Body	Fluorene	1	29	2	27	541	ug/kg	100.0	ug/kg	N	0.185
BIST013	LB011F1302	Gulf killifish	Whole Body	Fluorene	1	29	2	27	541	ug/kg	40.0	ug/kg	N	0.0740
BIST013	LB011F1305	Gulf killifish	Whole Body	Fluorene	1	29	2	27	541	ug/kg	100.0	ug/kg	N	0.185
BIST015	LB031F1502	Gulf killifish	Whole Body	Fluorene	1	37	4	33	4180	ug/kg	100.0	ug/kg	N	0.0239
BIST015	LB032F1505	Gulf menhaden	Whole Body	Fluorene	2A	119	6	113	1690	ug/kg	60.0	ug/kg	N	0.0356
BIST015	LB032F1502	Gulf menhaden	Whole Body	Fluorene	2A	119	6	113	1690	ug/kg	80.0	ug/kg	N	0.0474
BIST015	LB032F1506	Spot	Whole Body	Fluorene	2B	4	1	3	3160	ug/kg	40.0	ug/kg	N	0.0127
BIST015	LB031F1506	Gulf killifish	Whole Body	Fluorene	1	37	4	33	4180	ug/kg	100.0	ug/kg	N	0.0239
BIST015	LB031F1504	Gulf killifish	Whole Body	Fluorene	1	37	4	33	4180	ug/kg	200	ug/kg	N	0.0479
BIST015	LB032F1501	Gulf menhaden	Whole Body	Fluorene	2A	119	6	113	1690	ug/kg	80.0	ug/kg	N	0.0474
BIST015	LB032F1503	Threadfin shad	Whole Body	Fluorene	2A	119	6	113	1690	ug/kg	80.0	ug/kg	N	0.0474
BIST015	LB034F1501	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1508	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1509	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1504	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1510	Striped mullet	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1503	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1513	Striped mullet	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1501	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1517	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB034F1502	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB032F1507	Gulf menhaden	Whole Body	Fluorene	2A	119	6	113	1690	ug/kg	40.0	ug/kg	N	0.0237
BIST015	LB033F1511	Striped mullet	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1505	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1506	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1514	Striped mullet	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB033F1518	Gulf menhaden	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1507	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1512	Striped mullet	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST015	LB034F1504	Spotted seatrout	Whole Body	Fluorene	3B	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB034F1505	Spotted seatrout	Whole Body	Fluorene	3B	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1515	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB033F1502	Striped mullet	Whole Body	Fluorene	3A	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST015	LB034F1506	Atlantic croaker	Whole Body	Fluorene	3B	119	6	113	1690	ug/kg	25.0	ug/kg	N	0.0148
BIST016	LB031F1610	Gulf killifish	Whole Body	Fluorene	1	49	5	44	3310	ug/kg	20.0	ug/kg	N	0.00604

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST016	LB031F1601	Gulf killifish	Whole Body	Fluorene	1	49	5	44	3310	ug/kg	200	ug/kg	N	0.0604
BIST016	LB031F1602	Gulf killifish	Whole Body	Fluorene	1	49	5	44	3310	ug/kg	20.0	ug/kg	N	0.00604
BIST017	LB031A1754	Mussels	Shellfish	Fluorene	I 1A	1	1	0	160	ug/kg	100.0	ug/kg	N	0.625
BIST017	LB031F1702	Gulf killifish	Whole Body	Fluorene	1	18	3	15	7740	ug/kg	500	ug/kg	N	0.0646
BIST017	LB031A1752	Mussels	Shellfish	Fluorene	I 1A	1	1	0	160	ug/kg	100.0	ug/kg	N	0.625
BIST017	LB031A1753	Mussels	Shellfish	Fluorene	I 1A	1	1	0	160	ug/kg	100.0	ug/kg	N	0.625
BIST017	LB031F1703	Gulf killifish	Whole Body	Fluorene	1	18	3	15	7740	ug/kg	60.0	ug/kg	N	0.00775
BIST017	LB031F1704	Gulf killifish	Whole Body	Fluorene	1	18	3	15	7740	ug/kg	40.0	ug/kg	N	0.00517
BIST019	LB061F1901	Gulf killifish	Whole Body	Fluorene	1	37	2	35	684	ug/kg	20.0	ug/kg	N	0.0292
BIST019	LB061F1902	Gulf killifish	Whole Body	Fluorene	1	37	2	35	684	ug/kg	200	ug/kg	N	0.292
BIST019	LB061F1903	Gulf killifish	Whole Body	Fluorene	1	37	2	35	684	ug/kg	20.0	ug/kg	N	0.0292
BIST021	LB094F2104	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2134	Pinfish	Whole Body	Fluorene	3B	64	1	63	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB094F2124	Spotted seatrout	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2103	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2122	Spotted seatrout	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2106	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2103	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2102	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2105	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2107	Atlantic croaker	Whole Body	Fluorene	3B	64	1	63	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB094F2120	Spotted seatrout	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2118	Red drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2115	Black Drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2107	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2121	Spotted seatrout	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2108	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB093F2101	Striped mullet	Whole Body	Fluorene	3A	64	1	63	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB093F2104	Gizzard shad	Whole Body	Fluorene	4A	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2151	Spotted seatrout	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	25.0	ug/kg	N	0.0223
BIST021	LB094F2141	Pinfish	Whole Body	Fluorene	3B	64	1	63	647	ug/kg	25.0	ug/kg	N	0.0386
BIST024	LB131F2406	Gulf killifish	Whole Body	Fluorene	1	45	1	44	558	ug/kg	200	ug/kg	N	0.359
BIST024	LB131F2402	Gulf killifish	Whole Body	Fluorene	1	45	1	44	558	ug/kg	100.0	ug/kg	N	0.179
BIST024	LB131F2408	Gulf killifish	Whole Body	Fluorene	1	45	1	44	558	ug/kg	200	ug/kg	N	0.359
BIST025	LB131F2502	Gulf killifish	Whole Body	Fluorene	1	44	1	43	855	ug/kg	200	ug/kg	N	0.234
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Fluorene	1	44	1	43	855	ug/kg	400	ug/kg	N	0.468
BIST025	LB132F2502	Gulf menhaden	Whole Body	Fluorene	2A	111	6	105	1780	ug/kg	20.0	ug/kg	N	0.0113
BIST025	LB132F2501	Gulf menhaden	Whole Body	Fluorene	2A	111	6	105	1780	ug/kg	80.0	ug/kg	N	0.0451
BIST025	LB132F2503	Spot	Whole Body	Fluorene	2B	2	1	1	190	ug/kg	60.0	ug/kg	N	0.316
BIST026	LB131F2601	Gulf killifish	Whole Body	Fluorene	1	39	3	36	880	ug/kg	40.0	ug/kg	N	0.0455
BIST026	LB131F2604	Gulf killifish	Whole Body	Fluorene	1	39	3	36	880	ug/kg	100.0	ug/kg	N	0.114
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Fluorene	1	24	1	23	576	ug/kg	200	ug/kg	N	0.347
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Fluorene	1	24	1	23	576	ug/kg	200	ug/kg	N	0.347
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Fluorene	1	24	1	23	576	ug/kg	40.0	ug/kg	N	0.0695
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Fluorene	1	24	2	22	4770	ug/kg	200	ug/kg	N	0.0420
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Fluorene	1	24	2	22	4770	ug/kg	100.0	ug/kg	N	0.0210
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Fluorene	1	24	2	22	4770	ug/kg	40.0	ug/kg	N	0.00839
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Fluorene	1	23	1	22	810	ug/kg	200	ug/kg	N	0.247
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Fluorene	1	23	1	22	810	ug/kg	20.0	ug/kg	N	0.0247
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Fluorene	1	23	1	22	810	ug/kg	200	ug/kg	N	0.247

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC01	BAYD4C0103	Blue crab	Shellfish	Fluorene	I 2B	64	2	62	629	ug/kg	20.0	ug/kg	N	0.0318
BISTC01	BAYD4C0101	Blue crab	Shellfish	Fluorene	I 2B	64	2	62	629	ug/kg	20.0	ug/kg	N	0.0318
BISTC02	BAYD4C0205	Blue crab	Shellfish	Fluorene	I 2B	71	2	69	622	ug/kg	20.0	ug/kg	N	0.0321
BISTC02	BAYD4C0203	Blue crab	Shellfish	Fluorene	I 2B	71	2	69	622	ug/kg	20.0	ug/kg	N	0.0321
BISTC02	BAYD4C0201	Blue crab	Shellfish	Fluorene	I 2B	71	2	69	622	ug/kg	20.0	ug/kg	N	0.0321
BISTC03	BAYD4C0302	Blue crab	Shellfish	Fluorene	I 2B	100	5	95	1910	ug/kg	20.0	ug/kg	N	0.0105
BISTC05	BAYD4C0502	Blue crab	Shellfish	Fluorene	I 2B	103	5	98	1830	ug/kg	20.0	ug/kg	N	0.0109
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Fluorene	2A	71	1	70	559	ug/kg	1000	ug/kg	N	1.79
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Fluorene	I 2B	73	2	71	579	ug/kg	1000	ug/kg	N	1.73
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Fluorene	3B	113	6	107	1740	ug/kg	1000	ug/kg	N	0.574
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Fluorene	3B	113	6	107	1740	ug/kg	500	ug/kg	N	0.287
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Fluorene	4B	247	10	237	1120	ug/kg	500	ug/kg	N	0.447
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Fluorene	3B	113	6	107	1740	ug/kg	1000	ug/kg	N	0.574
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Fluorene	3B	113	6	107	1750	ug/kg	500	ug/kg	N	0.286
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Fluorene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Fluorene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Fluorene	I 1A	1	0	1	285	ug/kg	0.390	ug/kg	Y	0.00137
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Fluorene	I 1A	1	0	1	285	ug/kg	0.560	ug/kg	Y	0.00196
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Fluorene	I 1A	1	0	1	420	ug/kg	0.300	ug/kg	Y	0.000714
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Fluorene	I 1A	1	0	1	420	ug/kg	0.290	ug/kg	Y	0.000690
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Fluorene	I 1A	1	0	1	485	ug/kg	0.680	ug/kg	Y	0.00140
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Fluorene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Fluorene	I 1B	1	0	1	550	ug/kg	0.390	ug/kg	Y	0.000709
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Fluorene	I 1B	3	0	3	363	ug/kg	0.510	ug/kg	Y	0.00140
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Fluorene	I 1B	3	0	3	178	ug/kg	0.850	ug/kg	Y	0.00477
BIST004	UB041F0402	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0401	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0404	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST005	UB051F0508	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0520	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0525	Sailfin molly	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0503	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST005	UB051F0505	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0502	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST005	UB051F0504	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0511	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0501	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0511	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0507	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0523	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB052F0501	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0515	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0510	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST005	UB054F0514	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST005	UB054F0501	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST005	UB051F0516	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0505	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0503	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0506	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0512	Sailfin molly	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0517	Sheepshead minnow	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0502	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0508	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0516	Skipjack herring	Whole Body	gamma-BHC (Lindane)	3A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0509	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0518	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0515	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST006	MB014F0601	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST006	MB014F0628	White mullet	Whole Body	gamma-BHC (Lindane)	3A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0605	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0602	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0606	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0624	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB011F0616	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0608	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0611	Spot	Whole Body	gamma-BHC (Lindane)	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0603	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0609	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0612	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0604	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0605	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0615	Sand seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0601	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0610	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0607	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0607	Spot	Whole Body	gamma-BHC (Lindane)	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB014F0602	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST006	MB011F0615	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0619	Spot	Whole Body	gamma-BHC (Lindane)	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB014F0630	Sand seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0604	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0613	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0603	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0605	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST007	MB011F0708	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0704	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0703	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0702	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0706	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST008	MB031F0811	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0806	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0805	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0801	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0819	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0802	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0816	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0811	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0812	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0803	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0807	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0817	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0803	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0813	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0818	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0808	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0810	Shrimp	Shellfish	gamma-BHC (Lindane)	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0804	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST010	MB031F1004	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1001	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1006	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1013	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1009	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST011	LB011F1103	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	6	20	6.94	ug/kg	5.00	ug/kg	N	0.720
BIST011	LB011F1105	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	6	20	6.94	ug/kg	5.00	ug/kg	N	0.720
BIST011	LB011F1101	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	6	20	6.94	ug/kg	5.00	ug/kg	N	0.720
BIST012	LB011F1204	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	29	7	22	7.41	ug/kg	5.00	ug/kg	N	0.675
BIST012	LB011F1202	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	29	7	22	7.41	ug/kg	5.00	ug/kg	N	0.675
BIST012	LB011F1201	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	29	7	22	7.41	ug/kg	5.00	ug/kg	N	0.675
BIST013	LB011F1302	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	29	7	22	7.77	ug/kg	5.00	ug/kg	N	0.643
BIST013	LB011F1301	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	29	7	22	7.77	ug/kg	5.00	ug/kg	N	0.643
BIST013	LB011F1305	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	29	7	22	7.77	ug/kg	5.00	ug/kg	N	0.643
BIST015	LB032F1506	Spot	Whole Body	gamma-BHC (Lindane)	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB032F1505	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB032F1502	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB032F1501	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB031F1506	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	24	1	23	12.0	ug/kg	5.00	ug/kg	N	0.417
BIST015	LB031F1504	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	24	1	23	12.0	ug/kg	5.00	ug/kg	N	0.417
BIST015	LB032F1503	Threadfin shad	Whole Body	gamma-BHC (Lindane)	2A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB031F1502	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	24	1	23	12.0	ug/kg	5.00	ug/kg	N	0.417
BIST015	LB032F1504	Spot	Whole Body	gamma-BHC (Lindane)	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB033F1508	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1510	Striped mullet	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST015	LB033F1503	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	10.5	ug/kg	N	1.18
BIST015	LB033F1505	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB034F1504	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1513	Striped mullet	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST015	LB034F1501	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST015	LB033F1506	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB034F1505	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1501	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB034F1502	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST015	LB034F1506	Atlantic croaker	Whole Body	gamma-BHC (Lindane)	3B	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1515	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1504	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1511	Striped mullet	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST015	LB033F1517	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	10.5	ug/kg	N	1.18
BIST015	LB032F1507	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1502	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1514	Striped mullet	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1512	Striped mullet	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST015	LB033F1509	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1516	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST015	LB033F1507	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	10.5	ug/kg	N	1.18
BIST015	LB033F1518	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	3A	88	11	77	8.88	ug/kg	5.00	ug/kg	N	0.563
BIST016	LB031F1610	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	35	4	31	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST016	LB031F1602	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	35	4	31	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST016	LB031F1601	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	35	4	31	11.6	ug/kg	5.00	ug/kg	N	0.432
BIST017	LB031A1753	Mussels	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	11	0	11	16.8	ug/kg	5.00	ug/kg	N	0.298
BIST017	LB031F1702	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	11	0	11	16.8	ug/kg	5.00	ug/kg	N	0.298
BIST017	LB031A1752	Mussels	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	11	0	11	16.8	ug/kg	5.00	ug/kg	N	0.298
BIST017	LB031A1754	Mussels	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1903	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	4	22	8.41	ug/kg	5.00	ug/kg	N	0.595
BIST019	LB061F1902	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	4	22	8.41	ug/kg	5.00	ug/kg	N	0.595
BIST019	LB061F1901	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	4	22	8.41	ug/kg	5.00	ug/kg	N	0.595
BIST021	LB093F2102	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2103	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2101	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	3B	42	5	37	7.69	ug/kg	5.00	ug/kg	N	0.651
BIST021	LB094F2124	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2141	Pinfish	Whole Body	gamma-BHC (Lindane)	3B	42	5	37	7.69	ug/kg	5.00	ug/kg	N	0.651
BIST021	LB093F2101	Striped mullet	Whole Body	gamma-BHC (Lindane)	3A	42	5	37	7.69	ug/kg	5.00	ug/kg	N	0.651
BIST021	LB093F2108	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB093F2107	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2122	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2151	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB093F2104	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2134	Pinfish	Whole Body	gamma-BHC (Lindane)	3B	42	5	37	7.69	ug/kg	5.00	ug/kg	N	0.651
BIST021	LB093F2105	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2115	Black Drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2118	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2107	Atlantic croaker	Whole Body	gamma-BHC (Lindane)	3B	42	5	37	7.69	ug/kg	5.00	ug/kg	N	0.651
BIST021	LB094F2120	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB093F2106	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2104	Red drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB094F2121	Spotted seatrout	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST021	LB093F2103	Gizzard shad	Whole Body	gamma-BHC (Lindane)	4A	207	12	195	5.68	ug/kg	5.00	ug/kg	N	0.881
BIST024	LB131F2408	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	32	5	27	8.28	ug/kg	5.00	ug/kg	N	0.604
BIST024	LB131F2402	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	32	5	27	8.28	ug/kg	5.00	ug/kg	N	0.604
BIST024	LB131F2406	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	32	5	27	8.28	ug/kg	5.00	ug/kg	N	0.604
BIST025	LB131F2501	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	33	6	27	8.58	ug/kg	5.00	ug/kg	N	0.583
BIST025	LB131F2502	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	33	6	27	8.58	ug/kg	5.00	ug/kg	N	0.583
BIST025	LB132F2502	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	85	12	73	8.81	ug/kg	5.00	ug/kg	N	0.567
BIST025	LB131F2503	Sheepshead minnow	Whole Body	gamma-BHC (Lindane)	1	33	6	27	8.58	ug/kg	5.00	ug/kg	N	0.583
BIST025	LB132F2501	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	85	12	73	8.81	ug/kg	5.00	ug/kg	N	0.567
BIST025	LB132F2503	Spot	Whole Body	gamma-BHC (Lindane)	2B	2	1	1	12.5	ug/kg	5.00	ug/kg	N	0.400
BIST026	LB131F2601	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	34	5	29	9.40	ug/kg	5.00	ug/kg	N	0.532
BIST026	LB131F2604	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	34	5	29	9.40	ug/kg	5.00	ug/kg	N	0.532
BIST027	PPGC1F2706	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	7	19	7.93	ug/kg	5.00	ug/kg	N	0.630

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2712	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	7	19	7.93	ug/kg	5.00	ug/kg	N	0.630
BIST027	PPGC1F2705	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	26	7	19	7.93	ug/kg	5.00	ug/kg	N	0.630
BIST028	PPGC1F2803	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	22	3	19	8.45	ug/kg	5.00	ug/kg	N	0.592
BIST028	PPGC1F2802	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	22	3	19	8.45	ug/kg	5.00	ug/kg	N	0.592
BIST028	PPGC1F2806	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	22	3	19	8.45	ug/kg	5.00	ug/kg	N	0.592
BIST029	PPGC1F2905	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	25	5	20	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST029	PPGC1F2903	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	25	5	20	8.03	ug/kg	5.00	ug/kg	N	0.623
BIST029	PPGC1F2904	Gulf killifish	Whole Body	gamma-BHC (Lindane)	1	25	5	20	8.03	ug/kg	5.00	ug/kg	N	0.623
BISTC01	BAYD4C0103	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	43	5	38	8.63	ug/kg	5.00	ug/kg	N	0.579
BISTC01	BAYD4C0101	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	43	5	38	8.63	ug/kg	5.00	ug/kg	N	0.579
BISTC02	BAYD4C0203	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	49	6	43	8.31	ug/kg	5.00	ug/kg	N	0.602
BISTC02	BAYD4C0201	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	49	6	43	8.31	ug/kg	5.00	ug/kg	N	0.602
BISTC02	BAYD4C0205	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	49	6	43	8.31	ug/kg	5.00	ug/kg	N	0.602
BISTC03	BAYD4C0302	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	67	7	60	9.19	ug/kg	5.00	ug/kg	N	0.544
BISTC05	BAYD4C0502	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	86	10	76	8.11	ug/kg	5.00	ug/kg	N	0.616
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	gamma-BHC (Lindane)	2A	72	7	65	4.94	ug/kg	3.00	ug/kg	N	0.607
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	gamma-BHC (Lindane)	I 2B	70	8	62	5.45	ug/kg	3.00	ug/kg	N	0.550
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	gamma-BHC (Lindane)	3B	86	12	74	8.42	ug/kg	3.00	ug/kg	N	0.357
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	gamma-BHC (Lindane)	3B	86	12	74	8.42	ug/kg	3.00	ug/kg	N	0.357
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	gamma-BHC (Lindane)	3B	86	12	74	8.42	ug/kg	3.00	ug/kg	N	0.357
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	gamma-BHC (Lindane)	4B	207	12	195	5.68	ug/kg	3.00	ug/kg	N	0.528
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	gamma-BHC (Lindane)	3B	86	12	74	8.74	ug/kg	3.00	ug/kg	N	0.343
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	0.950	ug/kg	3.00	ug/kg	N	3.16
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	gamma-BHC (Lindane)	I 1B	2	1	1	2.13	ug/kg	1.20	ug/kg	Y	0.565
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	gamma-BHC (Lindane)	I 1A	1	1	0	10.00	ug/kg	1.25	ug/kg	N	0.125
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	gamma-BHC (Lindane)	I 1A	1	1	0	10.00	ug/kg	1.25	ug/kg	N	0.125
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	gamma-BHC (Lindane)	I 1A	1	0	1	2.25	ug/kg	1.25	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	gamma-BHC (Lindane)	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	gamma-BHC (Lindane)	I 1B	1	0	1	2.65	ug/kg	1.25	ug/kg	N	0.472
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	gamma-BHC (Lindane)	I 1B	3	1	2	5.35	ug/kg	1.25	ug/kg	N	0.234
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	gamma-BHC (Lindane)	I 1B	3	1	2	14.2	ug/kg	1.25	ug/kg	N	0.0883
BIST004	UB041F0402	Gulf killifish	Whole Body	gamma-Chlordane	1	13	1	12	2.07	ug/kg	5.00	ug/kg	N	2.41
BIST004	UB041F0404	Gulf killifish	Whole Body	gamma-Chlordane	1	13	1	12	2.07	ug/kg	5.00	ug/kg	N	2.41
BIST004	UB041F0401	Gulf killifish	Whole Body	gamma-Chlordane	1	13	1	12	2.07	ug/kg	5.00	ug/kg	N	2.41
BIST005	UB051F0515	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0501	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0507	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB051F0516	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0518	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0503	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST005	UB051F0505	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0503	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0520	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0501	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST005	UB054F0515	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST005	UB054F0502	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST005	UB051F0509	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0514	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0508	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0504	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST005	UB054F0516	Skipjack herring	Whole Body	gamma-Chlordane	3A	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB054F0508	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB054F0506	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB051F0504	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0517	Sheepshead minnow	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB052F0501	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB051F0512	Sailfin molly	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0505	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB051F0511	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0525	Sailfin molly	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0523	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB054F0511	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	3	28	2.47	ug/kg	5.00	ug/kg	N	2.02
BIST005	UB051F0510	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST005	UB051F0502	Gulf killifish	Whole Body	gamma-Chlordane	1	13	2	11	1.94	ug/kg	5.00	ug/kg	N	2.58
BIST006	MB014F0605	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST006	MB011F0624	Gulf killifish	Whole Body	gamma-Chlordane	1	14	1	13	2.82	ug/kg	5.00	ug/kg	N	1.78
BIST006	MB012F0604	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0609	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0603	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0613	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB011F0616	Gulf killifish	Whole Body	gamma-Chlordane	1	14	1	13	2.82	ug/kg	5.00	ug/kg	N	1.78
BIST006	MB014F0608	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB014F0602	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST006	MB014F0612	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB014F0628	White mullet	Whole Body	gamma-Chlordane	3A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB014F0603	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0606	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB011F0605	Gulf killifish	Whole Body	gamma-Chlordane	1	14	1	13	2.82	ug/kg	5.00	ug/kg	N	1.78
BIST006	MB012F0611	Spot	Whole Body	gamma-Chlordane	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0601	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB011F0615	Gulf killifish	Whole Body	gamma-Chlordane	1	14	1	13	2.82	ug/kg	5.00	ug/kg	N	1.78
BIST006	MB012F0607	Spot	Whole Body	gamma-Chlordane	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB014F0615	Sand seatrout	Whole Body	gamma-Chlordane	3B	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0610	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0602	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0605	Gulf menhaden	Whole Body	gamma-Chlordane	2A	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB014F0630	Sand seatrout	Whole Body	gamma-Chlordane	3B	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB014F0604	Spotted seatrout	Whole Body	gamma-Chlordane	3B	31	4	27	2.50	ug/kg	5.00	ug/kg	N	2.00
BIST006	MB012F0619	Spot	Whole Body	gamma-Chlordane	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB011F0607	Gulf killifish	Whole Body	gamma-Chlordane	1	14	1	13	2.82	ug/kg	5.00	ug/kg	N	1.78
BIST006	MB014F0601	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST007	MB011F0704	Gulf killifish	Whole Body	gamma-Chlordane	1	12	1	11	2.64	ug/kg	5.00	ug/kg	N	1.89
BIST007	MB011F0708	Gulf killifish	Whole Body	gamma-Chlordane	1	12	1	11	2.64	ug/kg	5.00	ug/kg	N	1.89
BIST007	MB011F0703	Gulf killifish	Whole Body	gamma-Chlordane	1	12	1	11	2.64	ug/kg	5.00	ug/kg	N	1.89
BIST007	MB011F0706	Gulf killifish	Whole Body	gamma-Chlordane	1	12	1	11	2.64	ug/kg	5.00	ug/kg	N	1.89
BIST007	MB011F0702	Gulf killifish	Whole Body	gamma-Chlordane	1	12	1	11	2.64	ug/kg	5.00	ug/kg	N	1.89
BIST008	MB031V0816	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0811	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0801	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0810	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031F0811	Gulf killifish	Whole Body	gamma-Chlordane	1	20	2	18	6.58	ug/kg	5.00	ug/kg	N	0.760
BIST008	MB031V0808	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0803	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	50.0	ug/kg	N	11.4
BIST008	MB031F0804	Gulf killifish	Whole Body	gamma-Chlordane	1	20	2	18	6.58	ug/kg	5.00	ug/kg	N	0.760
BIST008	MB031F0803	Gulf killifish	Whole Body	gamma-Chlordane	1	20	2	18	6.58	ug/kg	5.00	ug/kg	N	0.760
BIST008	MB031V0817	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0812	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0813	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0819	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST008	MB031V0818	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	50.0	ug/kg	N	11.4
BIST008	MB031F0806	Gulf killifish	Whole Body	gamma-Chlordane	1	20	2	18	6.58	ug/kg	5.00	ug/kg	N	0.760
BIST008	MB031F0805	Gulf killifish	Whole Body	gamma-Chlordane	1	20	2	18	6.58	ug/kg	5.00	ug/kg	N	0.760
BIST008	MB031V0802	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	50.0	ug/kg	N	11.4
BIST008	MB031V0807	Shrimp	Shellfish	gamma-Chlordane	I 2A	45	6	39	4.40	ug/kg	5.00	ug/kg	N	1.14
BIST010	MB031F1013	Gulf killifish	Whole Body	gamma-Chlordane	1	20	3	17	6.50	ug/kg	5.00	ug/kg	N	0.770
BIST010	MB031F1006	Gulf killifish	Whole Body	gamma-Chlordane	1	20	3	17	6.50	ug/kg	5.00	ug/kg	N	0.770
BIST010	MB031F1009	Gulf killifish	Whole Body	gamma-Chlordane	1	20	3	17	6.50	ug/kg	5.00	ug/kg	N	0.770
BIST010	MB031F1001	Gulf killifish	Whole Body	gamma-Chlordane	1	20	3	17	6.50	ug/kg	5.00	ug/kg	N	0.770
BIST010	MB031F1004	Gulf killifish	Whole Body	gamma-Chlordane	1	20	3	17	6.50	ug/kg	5.00	ug/kg	N	0.770
BIST011	LB011F1101	Gulf killifish	Whole Body	gamma-Chlordane	1	26	8	18	18.2	ug/kg	5.00	ug/kg	N	0.274
BIST011	LB011F1103	Gulf killifish	Whole Body	gamma-Chlordane	1	26	8	18	18.2	ug/kg	5.00	ug/kg	N	0.274
BIST011	LB011F1105	Gulf killifish	Whole Body	gamma-Chlordane	1	26	8	18	18.2	ug/kg	5.00	ug/kg	N	0.274
BIST012	LB011F1204	Gulf killifish	Whole Body	gamma-Chlordane	1	29	8	21	17.7	ug/kg	5.00	ug/kg	N	0.282
BIST012	LB011F1201	Gulf killifish	Whole Body	gamma-Chlordane	1	29	8	21	17.7	ug/kg	5.00	ug/kg	N	0.282
BIST012	LB011F1202	Gulf killifish	Whole Body	gamma-Chlordane	1	29	8	21	17.7	ug/kg	5.00	ug/kg	N	0.282
BIST013	LB011F1301	Gulf killifish	Whole Body	gamma-Chlordane	1	29	8	21	18.5	ug/kg	5.00	ug/kg	N	0.270
BIST013	LB011F1305	Gulf killifish	Whole Body	gamma-Chlordane	1	29	8	21	18.5	ug/kg	5.00	ug/kg	N	0.270
BIST013	LB011F1302	Gulf killifish	Whole Body	gamma-Chlordane	1	29	8	21	18.5	ug/kg	5.00	ug/kg	N	0.270
BIST015	LB031F1504	Gulf killifish	Whole Body	gamma-Chlordane	1	24	3	21	13.0	ug/kg	5.00	ug/kg	N	0.386
BIST015	LB032F1504	Spot	Whole Body	gamma-Chlordane	2B	3	1	2	11.0	ug/kg	5.00	ug/kg	N	0.456
BIST015	LB032F1501	Gulf menhaden	Whole Body	gamma-Chlordane	2A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB032F1502	Gulf menhaden	Whole Body	gamma-Chlordane	2A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB031F1506	Gulf killifish	Whole Body	gamma-Chlordane	1	24	3	21	13.0	ug/kg	5.00	ug/kg	N	0.386
BIST015	LB032F1503	Threadfin shad	Whole Body	gamma-Chlordane	2A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB031F1502	Gulf killifish	Whole Body	gamma-Chlordane	1	24	3	21	13.0	ug/kg	5.00	ug/kg	N	0.386
BIST015	LB032F1505	Gulf menhaden	Whole Body	gamma-Chlordane	2A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB032F1506	Spot	Whole Body	gamma-Chlordane	2B	3	1	2	11.0	ug/kg	5.00	ug/kg	N	0.456
BIST015	LB033F1513	Striped mullet	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	33.0	ug/kg	Y	3.73
BIST015	LB033F1514	Striped mullet	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST015	LB034F1506	Atlantic croaker	Whole Body	gamma-Chlordane	3B	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB033F1510	Striped mullet	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	33.0	ug/kg	Y	3.73
BIST015	LB034F1505	Spotted seatrout	Whole Body	gamma-Chlordane	3B	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB033F1501	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	46.0	ug/kg	Y	2.86
BIST015	LB034F1502	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST015	LB033F1509	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	28.0	ug/kg	Y	1.74
BIST015	LB034F1501	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST015	LB033F1507	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	10.5	ug/kg	N	0.654
BIST015	LB033F1511	Striped mullet	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	56.0	ug/kg	Y	6.33

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1512	Striped mullet	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	20.0	ug/kg	Y	2.26
BIST015	LB033F1506	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB033F1505	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	20.0	ug/kg	Y	1.24
BIST015	LB033F1516	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	19.0	ug/kg	Y	1.18
BIST015	LB033F1503	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	10.5	ug/kg	N	0.654
BIST015	LB032F1507	Gulf menhaden	Whole Body	gamma-Chlordane	2A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB033F1504	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	12.0	ug/kg	Y	0.747
BIST015	LB033F1508	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	47.0	ug/kg	Y	2.93
BIST015	LB033F1502	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB034F1504	Spotted seatrout	Whole Body	gamma-Chlordane	3B	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST015	LB033F1517	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	10.5	ug/kg	N	0.654
BIST015	LB033F1515	Striped mullet	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	29.0	ug/kg	Y	1.81
BIST015	LB033F1518	Gulf menhaden	Whole Body	gamma-Chlordane	3A	88	22	66	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST016	LB031F1610	Gulf killifish	Whole Body	gamma-Chlordane	1	35	13	22	21.2	ug/kg	5.00	ug/kg	N	0.236
BIST016	LB031F1602	Gulf killifish	Whole Body	gamma-Chlordane	1	35	13	22	21.2	ug/kg	5.00	ug/kg	N	0.236
BIST016	LB031F1601	Gulf killifish	Whole Body	gamma-Chlordane	1	35	13	22	21.2	ug/kg	5.00	ug/kg	N	0.236
BIST017	LB031F1702	Gulf killifish	Whole Body	gamma-Chlordane	1	11	2	9	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST017	LB031A1753	Mussels	Shellfish	gamma-Chlordane	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	gamma-Chlordane	1	11	2	9	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST017	LB031F1703	Gulf killifish	Whole Body	gamma-Chlordane	1	11	2	9	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST017	LB031A1754	Mussels	Shellfish	gamma-Chlordane	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1752	Mussels	Shellfish	gamma-Chlordane	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1902	Gulf killifish	Whole Body	gamma-Chlordane	1	26	11	15	20.7	ug/kg	5.00	ug/kg	N	0.242
BIST019	LB061F1901	Gulf killifish	Whole Body	gamma-Chlordane	1	26	11	15	20.7	ug/kg	5.00	ug/kg	N	0.242
BIST019	LB061F1903	Gulf killifish	Whole Body	gamma-Chlordane	1	26	11	15	20.7	ug/kg	5.00	ug/kg	N	0.242
BIST021	LB093F2105	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB094F2141	Pinfish	Whole Body	gamma-Chlordane	3B	42	14	28	14.8	ug/kg	5.00	ug/kg	N	0.338
BIST021	LB094F2107	Atlantic croaker	Whole Body	gamma-Chlordane	3B	42	14	28	14.8	ug/kg	5.00	ug/kg	N	0.338
BIST021	LB094F2134	Pinfish	Whole Body	gamma-Chlordane	3B	42	14	28	14.8	ug/kg	5.00	ug/kg	N	0.338
BIST021	LB094F2120	Spotted seatrout	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB093F2103	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	10.00	ug/kg	Y	1.13
BIST021	LB094F2124	Spotted seatrout	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB093F2104	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	39.0	ug/kg	Y	4.41
BIST021	LB093F2108	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	15.0	ug/kg	Y	1.69
BIST021	LB094F2104	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB094F2122	Spotted seatrout	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB094F2115	Black Drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB093F2101	Striped mullet	Whole Body	gamma-Chlordane	3A	42	14	28	14.8	ug/kg	5.00	ug/kg	N	0.338
BIST021	LB094F2118	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB093F2107	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	21.0	ug/kg	Y	2.37
BIST021	LB094F2101	Spotted seatrout	Whole Body	gamma-Chlordane	3B	42	14	28	14.8	ug/kg	5.00	ug/kg	N	0.338
BIST021	LB094F2103	Red drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB093F2106	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	37.0	ug/kg	Y	4.18
BIST021	LB093F2102	Gizzard shad	Whole Body	gamma-Chlordane	4A	207	38	169	8.85	ug/kg	28.0	ug/kg	Y	3.16
BIST021	LB094F2121	Spotted seatrout	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST021	LB094F2151	Spotted seatrout	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	5.00	ug/kg	N	0.565
BIST024	LB131F2406	Gulf killifish	Whole Body	gamma-Chlordane	1	32	11	21	18.3	ug/kg	5.00	ug/kg	N	0.274
BIST024	LB131F2408	Gulf killifish	Whole Body	gamma-Chlordane	1	32	11	21	18.3	ug/kg	5.00	ug/kg	N	0.274
BIST024	LB131F2402	Gulf killifish	Whole Body	gamma-Chlordane	1	32	11	21	18.3	ug/kg	5.00	ug/kg	N	0.274
BIST025	LB132F2503	Spot	Whole Body	gamma-Chlordane	2B	2	2	0	13.9	ug/kg	5.00	ug/kg	N	0.360

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST025	LB132F2501	Gulf menhaden	Whole Body	gamma-Chlordane	2A	85	25	60	16.2	ug/kg	5.00	ug/kg	N	0.308
BIST025	LB132F2502	Gulf menhaden	Whole Body	gamma-Chlordane	2A	85	25	60	16.2	ug/kg	5.00	ug/kg	N	0.308
BIST025	LB131F2501	Gulf killifish	Whole Body	gamma-Chlordane	1	33	12	21	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST025	LB131F2502	Gulf killifish	Whole Body	gamma-Chlordane	1	33	12	21	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST025	LB131F2503	Sheepshead minnow	Whole Body	gamma-Chlordane	1	33	12	21	18.4	ug/kg	5.00	ug/kg	N	0.272
BIST026	LB131F2604	Gulf killifish	Whole Body	gamma-Chlordane	1	34	11	23	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST026	LB131F2601	Gulf killifish	Whole Body	gamma-Chlordane	1	34	11	23	28.1	ug/kg	5.00	ug/kg	N	0.178
BIST027	PPGC1F2705	Gulf killifish	Whole Body	gamma-Chlordane	1	26	5	21	19.4	ug/kg	5.00	ug/kg	N	0.258
BIST027	PPGC1F2712	Gulf killifish	Whole Body	gamma-Chlordane	1	26	5	21	19.4	ug/kg	5.00	ug/kg	N	0.258
BIST027	PPGC1F2706	Gulf killifish	Whole Body	gamma-Chlordane	1	26	5	21	19.4	ug/kg	5.00	ug/kg	N	0.258
BIST028	PPGC1F2806	Gulf killifish	Whole Body	gamma-Chlordane	1	22	3	19	22.5	ug/kg	5.00	ug/kg	N	0.222
BIST028	PPGC1F2802	Gulf killifish	Whole Body	gamma-Chlordane	1	22	3	19	22.5	ug/kg	5.00	ug/kg	N	0.222
BIST028	PPGC1F2803	Gulf killifish	Whole Body	gamma-Chlordane	1	22	3	19	22.5	ug/kg	5.00	ug/kg	N	0.222
BIST029	PPGC1F2904	Gulf killifish	Whole Body	gamma-Chlordane	1	25	5	20	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST029	PPGC1F2903	Gulf killifish	Whole Body	gamma-Chlordane	1	25	5	20	19.9	ug/kg	5.00	ug/kg	N	0.251
BIST029	PPGC1F2905	Gulf killifish	Whole Body	gamma-Chlordane	1	25	5	20	19.9	ug/kg	5.00	ug/kg	N	0.251
BISTC01	BAYD4C0103	Blue crab	Shellfish	gamma-Chlordane	I 2B	43	13	30	15.9	ug/kg	5.00	ug/kg	N	0.313
BISTC01	BAYD4C0101	Blue crab	Shellfish	gamma-Chlordane	I 2B	43	13	30	15.9	ug/kg	5.00	ug/kg	N	0.313
BISTC02	BAYD4C0203	Blue crab	Shellfish	gamma-Chlordane	I 2B	49	14	35	14.9	ug/kg	5.00	ug/kg	N	0.336
BISTC02	BAYD4C0201	Blue crab	Shellfish	gamma-Chlordane	I 2B	49	14	35	14.9	ug/kg	5.00	ug/kg	N	0.336
BISTC02	BAYD4C0205	Blue crab	Shellfish	gamma-Chlordane	I 2B	49	14	35	14.9	ug/kg	5.00	ug/kg	N	0.336
BISTC03	BAYD4C0302	Blue crab	Shellfish	gamma-Chlordane	I 2B	67	19	48	14.2	ug/kg	5.00	ug/kg	N	0.353
BISTC05	BAYD4C0502	Blue crab	Shellfish	gamma-Chlordane	I 2B	86	23	63	15.7	ug/kg	15.0	ug/kg	Y	0.954
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	gamma-Chlordane	2A	72	13	59	9.59	ug/kg	3.00	ug/kg	N	0.313
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	gamma-Chlordane	I 2B	70	16	54	11.9	ug/kg	3.00	ug/kg	N	0.252
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	gamma-Chlordane	3B	86	24	62	15.8	ug/kg	3.00	ug/kg	N	0.190
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	gamma-Chlordane	4B	207	38	169	8.85	ug/kg	11.0	ug/kg	Y	1.24
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	gamma-Chlordane	3B	86	24	62	15.8	ug/kg	2.10	ug/kg	Y	0.133
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	gamma-Chlordane	3B	86	24	62	15.8	ug/kg	3.00	ug/kg	N	0.190
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	gamma-Chlordane	3B	86	25	61	16.1	ug/kg	2.10	ug/kg	Y	0.131
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	gamma-Chlordane	I 1A	1	0	1	0.950	ug/kg	3.00	ug/kg	N	3.16
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	gamma-Chlordane	I 1B	2	1	1	4.28	ug/kg	3.00	ug/kg	N	0.702
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	gamma-Chlordane	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	gamma-Chlordane	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	gamma-Chlordane	I 1A	1	1	0	19.0	ug/kg	1.25	ug/kg	N	0.0658
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	gamma-Chlordane	I 1A	1	1	0	19.0	ug/kg	1.25	ug/kg	N	0.0658
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	gamma-Chlordane	I 1A	1	0	1	2.25	ug/kg	1.25	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	gamma-Chlordane	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	gamma-Chlordane	I 1B	1	1	0	2.20	ug/kg	1.25	ug/kg	N	0.568
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	gamma-Chlordane	I 1B	3	1	2	3.72	ug/kg	1.25	ug/kg	N	0.336
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	gamma-Chlordane	I 1B	3	1	2	73.2	ug/kg	1.25	ug/kg	N	0.0171
BIST004	UB041F0404	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0401	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0402	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST005	UB051F0501	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0504	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0516	Skipjack herring	Whole Body	Heptachlor	3A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0510	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0520	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0515	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0515	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB054F0505	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0503	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB054F0514	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB051F0505	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0509	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB051F0516	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0523	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0511	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0511	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0506	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0507	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0502	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0508	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0525	Sailfin molly	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0518	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB052F0501	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0508	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0501	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST005	UB051F0503	Gulf killifish	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0512	Sailfin molly	Whole Body	Heptachlor	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0502	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST006	MB012F0611	Spot	Whole Body	Heptachlor	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB011F0605	Gulf killifish	Whole Body	Heptachlor	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0615	Sand seatrout	Whole Body	Heptachlor	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0616	Gulf killifish	Whole Body	Heptachlor	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0606	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0603	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0610	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0608	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0630	Sand seatrout	Whole Body	Heptachlor	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0615	Gulf killifish	Whole Body	Heptachlor	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0604	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0602	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0602	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST006	MB014F0628	White mullet	Whole Body	Heptachlor	3A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0609	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0603	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0601	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0605	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB012F0604	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB014F0601	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST006	MB014F0612	Spotted seatrout	Whole Body	Heptachlor	3B	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97
BIST006	MB011F0624	Gulf killifish	Whole Body	Heptachlor	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB011F0607	Gulf killifish	Whole Body	Heptachlor	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB012F0619	Spot	Whole Body	Heptachlor	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0607	Spot	Whole Body	Heptachlor	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0613	Gulf menhaden	Whole Body	Heptachlor	2A	31	0	31	2.54	ug/kg	5.00	ug/kg	N	1.97

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0605	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST007	MB011F0708	Gulf killifish	Whole Body	Heptachlor	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0703	Gulf killifish	Whole Body	Heptachlor	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0704	Gulf killifish	Whole Body	Heptachlor	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0706	Gulf killifish	Whole Body	Heptachlor	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0702	Gulf killifish	Whole Body	Heptachlor	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST008	MB031V0812	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0803	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0808	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0804	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0806	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0813	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0811	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0811	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0819	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0807	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0805	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0810	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0802	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0817	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0816	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0818	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0801	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0803	Shrimp	Shellfish	Heptachlor	I 2A	45	0	45	4.16	ug/kg	50.0	ug/kg	N	12.0
BIST010	MB031F1006	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1013	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1009	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1001	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1004	Gulf killifish	Whole Body	Heptachlor	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST011	LB011F1105	Gulf killifish	Whole Body	Heptachlor	1	26	2	24	12.0	ug/kg	5.00	ug/kg	N	0.418
BIST011	LB011F1101	Gulf killifish	Whole Body	Heptachlor	1	26	2	24	12.0	ug/kg	5.00	ug/kg	N	0.418
BIST011	LB011F1103	Gulf killifish	Whole Body	Heptachlor	1	26	2	24	12.0	ug/kg	5.00	ug/kg	N	0.418
BIST012	LB011F1204	Gulf killifish	Whole Body	Heptachlor	1	29	2	27	12.1	ug/kg	5.00	ug/kg	N	0.412
BIST012	LB011F1202	Gulf killifish	Whole Body	Heptachlor	1	29	2	27	12.1	ug/kg	5.00	ug/kg	N	0.412
BIST012	LB011F1201	Gulf killifish	Whole Body	Heptachlor	1	29	2	27	12.1	ug/kg	5.00	ug/kg	N	0.412
BIST013	LB011F1301	Gulf killifish	Whole Body	Heptachlor	1	29	4	25	13.8	ug/kg	5.00	ug/kg	N	0.364
BIST013	LB011F1305	Gulf killifish	Whole Body	Heptachlor	1	29	4	25	13.8	ug/kg	5.00	ug/kg	N	0.364
BIST013	LB011F1302	Gulf killifish	Whole Body	Heptachlor	1	29	4	25	13.8	ug/kg	5.00	ug/kg	N	0.364
BIST015	LB032F1505	Gulf menhaden	Whole Body	Heptachlor	2A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB032F1501	Gulf menhaden	Whole Body	Heptachlor	2A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB032F1502	Gulf menhaden	Whole Body	Heptachlor	2A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB031F1506	Gulf killifish	Whole Body	Heptachlor	1	24	2	22	12.8	ug/kg	5.00	ug/kg	N	0.391
BIST015	LB032F1503	Threadfin shad	Whole Body	Heptachlor	2A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB031F1502	Gulf killifish	Whole Body	Heptachlor	1	24	2	22	12.8	ug/kg	5.00	ug/kg	N	0.391
BIST015	LB032F1506	Spot	Whole Body	Heptachlor	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB031F1504	Gulf killifish	Whole Body	Heptachlor	1	24	2	22	12.8	ug/kg	5.00	ug/kg	N	0.391
BIST015	LB032F1504	Spot	Whole Body	Heptachlor	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB033F1516	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB034F1505	Spotted seatrout	Whole Body	Heptachlor	3B	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB034F1502	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1514	Striped mullet	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB033F1504	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1509	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB034F1501	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB033F1507	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	10.5	ug/kg	N	0.705
BIST015	LB033F1513	Striped mullet	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB033F1518	Gulf menhaden	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1512	Striped mullet	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB034F1504	Spotted seatrout	Whole Body	Heptachlor	3B	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1508	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1510	Striped mullet	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB033F1517	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	10.5	ug/kg	N	0.705
BIST015	LB033F1515	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1505	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1506	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB034F1506	Atlantic croaker	Whole Body	Heptachlor	3B	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1503	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	10.5	ug/kg	N	0.705
BIST015	LB033F1511	Striped mullet	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST015	LB033F1501	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB032F1507	Gulf menhaden	Whole Body	Heptachlor	2A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST015	LB033F1502	Striped mullet	Whole Body	Heptachlor	3A	88	11	77	14.9	ug/kg	5.00	ug/kg	N	0.336
BIST016	LB031F1602	Gulf killifish	Whole Body	Heptachlor	1	35	6	29	21.3	ug/kg	5.00	ug/kg	N	0.235
BIST016	LB031F1610	Gulf killifish	Whole Body	Heptachlor	1	35	6	29	21.3	ug/kg	5.00	ug/kg	N	0.235
BIST016	LB031F1601	Gulf killifish	Whole Body	Heptachlor	1	35	6	29	21.3	ug/kg	5.00	ug/kg	N	0.235
BIST017	LB031A1753	Mussels	Shellfish	Heptachlor	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1752	Mussels	Shellfish	Heptachlor	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	Heptachlor	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Heptachlor	1	11	1	10	18.0	ug/kg	5.00	ug/kg	N	0.278
BIST017	LB031F1702	Gulf killifish	Whole Body	Heptachlor	1	11	1	10	18.0	ug/kg	5.00	ug/kg	N	0.278
BIST017	LB031F1703	Gulf killifish	Whole Body	Heptachlor	1	11	1	10	18.0	ug/kg	5.00	ug/kg	N	0.278
BIST019	LB061F1901	Gulf killifish	Whole Body	Heptachlor	1	26	6	20	21.5	ug/kg	5.00	ug/kg	N	0.232
BIST019	LB061F1903	Gulf killifish	Whole Body	Heptachlor	1	26	6	20	21.5	ug/kg	5.00	ug/kg	N	0.232
BIST019	LB061F1902	Gulf killifish	Whole Body	Heptachlor	1	26	6	20	21.5	ug/kg	5.00	ug/kg	N	0.232
BIST021	LB094F2124	Spotted seatrout	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2101	Striped mullet	Whole Body	Heptachlor	3A	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB094F2151	Spotted seatrout	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2107	Atlantic croaker	Whole Body	Heptachlor	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB094F2121	Spotted seatrout	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2106	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2102	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2103	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2120	Spotted seatrout	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2141	Pinfish	Whole Body	Heptachlor	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB094F2101	Spotted seatrout	Whole Body	Heptachlor	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB093F2104	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2104	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2134	Pinfish	Whole Body	Heptachlor	3B	42	6	36	15.7	ug/kg	5.00	ug/kg	N	0.319
BIST021	LB093F2105	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2103	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2122	Spotted seatrout	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2107	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB093F2108	Gizzard shad	Whole Body	Heptachlor	4A	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2115	Black Drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST021	LB094F2118	Red drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	5.00	ug/kg	N	0.610
BIST024	LB131F2406	Gulf killifish	Whole Body	Heptachlor	1	32	5	27	18.5	ug/kg	5.00	ug/kg	N	0.271
BIST024	LB131F2408	Gulf killifish	Whole Body	Heptachlor	1	32	5	27	18.5	ug/kg	5.00	ug/kg	N	0.271
BIST024	LB131F2402	Gulf killifish	Whole Body	Heptachlor	1	32	5	27	18.5	ug/kg	5.00	ug/kg	N	0.271
BIST025	LB132F2503	Spot	Whole Body	Heptachlor	2B	2	1	1	33.8	ug/kg	5.00	ug/kg	N	0.148
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Heptachlor	1	33	5	28	18.8	ug/kg	5.00	ug/kg	N	0.267
BIST025	LB131F2501	Gulf killifish	Whole Body	Heptachlor	1	33	5	28	18.8	ug/kg	5.00	ug/kg	N	0.267
BIST025	LB132F2502	Gulf menhaden	Whole Body	Heptachlor	2A	85	11	74	15.0	ug/kg	5.00	ug/kg	N	0.334
BIST025	LB131F2502	Gulf killifish	Whole Body	Heptachlor	1	33	5	28	18.8	ug/kg	5.00	ug/kg	N	0.267
BIST025	LB132F2501	Gulf menhaden	Whole Body	Heptachlor	2A	85	11	74	15.0	ug/kg	5.00	ug/kg	N	0.334
BIST026	LB131F2601	Gulf killifish	Whole Body	Heptachlor	1	34	5	29	19.0	ug/kg	5.00	ug/kg	N	0.264
BIST026	LB131F2604	Gulf killifish	Whole Body	Heptachlor	1	34	5	29	19.0	ug/kg	5.00	ug/kg	N	0.264
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Heptachlor	1	26	2	24	13.2	ug/kg	5.00	ug/kg	N	0.378
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Heptachlor	1	26	2	24	13.2	ug/kg	5.00	ug/kg	N	0.378
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Heptachlor	1	26	2	24	13.2	ug/kg	5.00	ug/kg	N	0.378
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Heptachlor	1	22	0	22	7.88	ug/kg	5.00	ug/kg	N	0.635
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Heptachlor	1	22	0	22	7.88	ug/kg	5.00	ug/kg	N	0.635
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Heptachlor	1	22	0	22	7.88	ug/kg	5.00	ug/kg	N	0.635
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Heptachlor	1	25	1	24	8.25	ug/kg	5.00	ug/kg	N	0.606
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Heptachlor	1	25	1	24	8.25	ug/kg	5.00	ug/kg	N	0.606
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Heptachlor	1	25	1	24	8.25	ug/kg	5.00	ug/kg	N	0.606
BISTC01	BAYD4C0101	Blue crab	Shellfish	Heptachlor	I 2B	43	7	36	17.3	ug/kg	5.00	ug/kg	N	0.288
BISTC01	BAYD4C0103	Blue crab	Shellfish	Heptachlor	I 2B	43	7	36	17.3	ug/kg	5.00	ug/kg	N	0.288
BISTC02	BAYD4C0201	Blue crab	Shellfish	Heptachlor	I 2B	49	8	41	16.1	ug/kg	5.00	ug/kg	N	0.311
BISTC02	BAYD4C0205	Blue crab	Shellfish	Heptachlor	I 2B	49	8	41	16.1	ug/kg	5.00	ug/kg	N	0.311
BISTC02	BAYD4C0203	Blue crab	Shellfish	Heptachlor	I 2B	49	8	41	16.1	ug/kg	5.00	ug/kg	N	0.311
BISTC03	BAYD4C0302	Blue crab	Shellfish	Heptachlor	I 2B	67	9	58	15.0	ug/kg	5.00	ug/kg	N	0.333
BISTC05	BAYD4C0502	Blue crab	Shellfish	Heptachlor	I 2B	86	8	78	13.6	ug/kg	5.00	ug/kg	N	0.368
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Heptachlor	2A	72	2	70	6.85	ug/kg	4.80	ug/kg	Y	0.700
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Heptachlor	I 2B	70	5	65	8.76	ug/kg	0.680	ug/kg	Y	0.0777
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Heptachlor	3B	86	11	75	14.5	ug/kg	3.00	ug/kg	N	0.207
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Heptachlor	3B	86	11	75	14.5	ug/kg	4.00	ug/kg	Y	0.276
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Heptachlor	3B	86	11	75	14.5	ug/kg	1.80	ug/kg	Y	0.124
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Heptachlor	4B	207	11	196	8.20	ug/kg	19.0	ug/kg	Y	2.32
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Heptachlor	3B	86	11	75	14.8	ug/kg	3.00	ug/kg	N	0.202
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Heptachlor	I 1A	1	0	1	0.950	ug/kg	0.900	ug/kg	Y	0.947
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Heptachlor	I 1B	2	0	2	7.18	ug/kg	3.00	ug/kg	N	0.418
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Heptachlor	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Heptachlor	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Heptachlor	I 1A	1	1	0	56.0	ug/kg	1.25	ug/kg	N	0.0223
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Heptachlor	I 1A	1	1	0	56.0	ug/kg	1.25	ug/kg	N	0.0223
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Heptachlor	I 1A	1	0	1	2.25	ug/kg	1.25	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Heptachlor	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Heptachlor	I 1B	1	0	1	2.65	ug/kg	1.25	ug/kg	N	0.472
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Heptachlor	I 1B	3	1	2	46.6	ug/kg	1.25	ug/kg	N	0.0269
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Heptachlor	I 1B	3	1	2	86.5	ug/kg	1.25	ug/kg	N	0.0145
BIST004	UB041F0402	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST004	UB041F0404	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST004	UB041F0401	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.20	ug/kg	5.00	ug/kg	N	2.28
BIST005	UB051F0510	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0518	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0505	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0523	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0508	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0511	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0501	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST005	UB052F0501	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0515	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST005	UB054F0502	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST005	UB051F0509	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0512	Sailfin molly	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0515	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0503	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0516	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0514	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST005	UB051F0520	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0504	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST005	UB054F0503	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST005	UB051F0505	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0511	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0525	Sailfin molly	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0502	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0508	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB051F0501	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB051F0504	Gulf killifish	Whole Body	Heptachlor Epoxide	1	13	0	13	2.18	ug/kg	5.00	ug/kg	N	2.29
BIST005	UB054F0507	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0516	Skipjack herring	Whole Body	Heptachlor Epoxide	3A	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST005	UB054F0506	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	0	31	2.59	ug/kg	5.00	ug/kg	N	1.93
BIST006	MB014F0630	Sand seatrout	Whole Body	Heptachlor Epoxide	3B	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0602	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB014F0604	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0619	Spot	Whole Body	Heptachlor Epoxide	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB012F0609	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0607	Spot	Whole Body	Heptachlor Epoxide	2B	3	0	3	4.30	ug/kg	5.00	ug/kg	N	1.16
BIST006	MB014F0628	White mullet	Whole Body	Heptachlor Epoxide	3A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0613	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB011F0607	Gulf killifish	Whole Body	Heptachlor Epoxide	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0605	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST006	MB014F0612	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB011F0624	Gulf killifish	Whole Body	Heptachlor Epoxide	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0608	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0604	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB014F0601	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST006	MB011F0615	Gulf killifish	Whole Body	Heptachlor Epoxide	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB011F0616	Gulf killifish	Whole Body	Heptachlor Epoxide	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0602	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0603	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0603	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0605	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0601	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0606	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB011F0605	Gulf killifish	Whole Body	Heptachlor Epoxide	1	14	0	14	2.93	ug/kg	5.00	ug/kg	N	1.71
BIST006	MB014F0615	Sand seatrout	Whole Body	Heptachlor Epoxide	3B	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0610	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	31	1	30	2.56	ug/kg	5.00	ug/kg	N	1.95
BIST006	MB012F0611	Spot	Whole Body	Heptachlor Epoxide	2B	3	0	3	4.30	ug/kg	19.0	ug/kg	Y	4.42
BIST007	MB011F0708	Gulf killifish	Whole Body	Heptachlor Epoxide	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0704	Gulf killifish	Whole Body	Heptachlor Epoxide	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0702	Gulf killifish	Whole Body	Heptachlor Epoxide	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0706	Gulf killifish	Whole Body	Heptachlor Epoxide	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST007	MB011F0703	Gulf killifish	Whole Body	Heptachlor Epoxide	1	12	0	12	2.77	ug/kg	5.00	ug/kg	N	1.80
BIST008	MB031V0811	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0806	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0811	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031F0803	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0801	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0817	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0812	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031F0805	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0813	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0816	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0810	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0803	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0808	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0819	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST008	MB031V0802	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031V0818	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	50.0	ug/kg	N	12.0
BIST008	MB031F0804	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.96	ug/kg	5.00	ug/kg	N	0.839
BIST008	MB031V0807	Shrimp	Shellfish	Heptachlor Epoxide	I 2A	45	1	44	4.18	ug/kg	5.00	ug/kg	N	1.20
BIST010	MB031F1006	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1009	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1013	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1004	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST010	MB031F1001	Gulf killifish	Whole Body	Heptachlor Epoxide	1	20	0	20	5.95	ug/kg	5.00	ug/kg	N	0.841
BIST011	LB011F1103	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	1	25	24.4	ug/kg	5.00	ug/kg	N	0.205
BIST011	LB011F1101	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	1	25	24.4	ug/kg	5.00	ug/kg	N	0.205
BIST011	LB011F1105	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	1	25	24.4	ug/kg	5.00	ug/kg	N	0.205
BIST012	LB011F1202	Gulf killifish	Whole Body	Heptachlor Epoxide	1	29	1	28	23.3	ug/kg	5.00	ug/kg	N	0.215
BIST012	LB011F1201	Gulf killifish	Whole Body	Heptachlor Epoxide	1	29	1	28	23.3	ug/kg	5.00	ug/kg	N	0.215
BIST012	LB011F1204	Gulf killifish	Whole Body	Heptachlor Epoxide	1	29	1	28	23.3	ug/kg	5.00	ug/kg	N	0.215
BIST013	LB011F1302	Gulf killifish	Whole Body	Heptachlor Epoxide	1	29	0	29	23.7	ug/kg	5.00	ug/kg	N	0.211
BIST013	LB011F1305	Gulf killifish	Whole Body	Heptachlor Epoxide	1	29	0	29	23.7	ug/kg	5.00	ug/kg	N	0.211
BIST013	LB011F1301	Gulf killifish	Whole Body	Heptachlor Epoxide	1	29	0	29	23.7	ug/kg	5.00	ug/kg	N	0.211
BIST015	LB032F1505	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB032F1506	Spot	Whole Body	Heptachlor Epoxide	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB032F1504	Spot	Whole Body	Heptachlor Epoxide	2B	3	0	3	11.1	ug/kg	5.00	ug/kg	N	0.452
BIST015	LB031F1506	Gulf killifish	Whole Body	Heptachlor Epoxide	1	24	1	23	12.3	ug/kg	5.00	ug/kg	N	0.408

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1502	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB032F1503	Threadfin shad	Whole Body	Heptachlor Epoxide	2A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB031F1504	Gulf killifish	Whole Body	Heptachlor Epoxide	1	24	1	23	12.3	ug/kg	5.00	ug/kg	N	0.408
BIST015	LB031F1502	Gulf killifish	Whole Body	Heptachlor Epoxide	1	24	1	23	12.3	ug/kg	5.00	ug/kg	N	0.408
BIST015	LB032F1501	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1502	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB034F1501	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST015	LB034F1505	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1507	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	10.5	ug/kg	N	0.736
BIST015	LB033F1508	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1513	Striped mullet	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST015	LB033F1512	Striped mullet	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST015	LB033F1510	Striped mullet	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST015	LB033F1517	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	10.5	ug/kg	N	0.736
BIST015	LB034F1504	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1505	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1518	Gulf menhaden	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1504	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1515	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1501	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1506	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB034F1506	Atlantic croaker	Whole Body	Heptachlor Epoxide	3B	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1514	Striped mullet	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST015	LB032F1507	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1509	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB033F1503	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	10.5	ug/kg	N	0.736
BIST015	LB033F1511	Striped mullet	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST015	LB033F1516	Striped mullet	Whole Body	Heptachlor Epoxide	3A	88	5	83	14.3	ug/kg	5.00	ug/kg	N	0.350
BIST015	LB034F1502	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST016	LB031F1610	Gulf killifish	Whole Body	Heptachlor Epoxide	1	35	2	33	11.6	ug/kg	5.00	ug/kg	N	0.431
BIST016	LB031F1601	Gulf killifish	Whole Body	Heptachlor Epoxide	1	35	2	33	11.6	ug/kg	5.00	ug/kg	N	0.431
BIST016	LB031F1602	Gulf killifish	Whole Body	Heptachlor Epoxide	1	35	2	33	11.6	ug/kg	5.00	ug/kg	N	0.431
BIST017	LB031F1703	Gulf killifish	Whole Body	Heptachlor Epoxide	1	11	1	10	16.7	ug/kg	5.00	ug/kg	N	0.299
BIST017	LB031A1754	Mussels	Shellfish	Heptachlor Epoxide	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1752	Mussels	Shellfish	Heptachlor Epoxide	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Heptachlor Epoxide	1	11	1	10	16.7	ug/kg	5.00	ug/kg	N	0.299
BIST017	LB031A1753	Mussels	Shellfish	Heptachlor Epoxide	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Heptachlor Epoxide	1	11	1	10	16.7	ug/kg	5.00	ug/kg	N	0.299
BIST019	LB061F1902	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	2	24	8.94	ug/kg	5.00	ug/kg	N	0.559
BIST019	LB061F1903	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	2	24	8.94	ug/kg	5.00	ug/kg	N	0.559
BIST019	LB061F1901	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	2	24	8.94	ug/kg	5.00	ug/kg	N	0.559
BIST021	LB093F2101	Striped mullet	Whole Body	Heptachlor Epoxide	3A	42	3	39	7.91	ug/kg	5.00	ug/kg	N	0.632
BIST021	LB094F2118	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB093F2102	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2141	Pinfish	Whole Body	Heptachlor Epoxide	3B	42	3	39	7.91	ug/kg	5.00	ug/kg	N	0.632
BIST021	LB094F2121	Spotted seatrout	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB093F2107	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB093F2108	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2122	Spotted seatrout	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2120	Spotted seatrout	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2104	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	30.0	ug/kg	Y	3.78
BIST021	LB094F2101	Spotted seatrout	Whole Body	Heptachlor Epoxide	3B	42	3	39	7.91	ug/kg	5.00	ug/kg	N	0.632
BIST021	LB094F2115	Black Drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2103	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB093F2103	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2107	Atlantic croaker	Whole Body	Heptachlor Epoxide	3B	42	3	39	7.91	ug/kg	5.00	ug/kg	N	0.632
BIST021	LB094F2104	Red drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2151	Spotted seatrout	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB093F2105	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB093F2106	Gizzard shad	Whole Body	Heptachlor Epoxide	4A	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST021	LB094F2134	Pinfish	Whole Body	Heptachlor Epoxide	3B	42	3	39	7.91	ug/kg	5.00	ug/kg	N	0.632
BIST021	LB094F2124	Spotted seatrout	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	5.00	ug/kg	N	0.631
BIST024	LB131F2402	Gulf killifish	Whole Body	Heptachlor Epoxide	1	32	1	31	8.29	ug/kg	5.00	ug/kg	N	0.603
BIST024	LB131F2406	Gulf killifish	Whole Body	Heptachlor Epoxide	1	32	1	31	8.29	ug/kg	5.00	ug/kg	N	0.603
BIST024	LB131F2408	Gulf killifish	Whole Body	Heptachlor Epoxide	1	32	1	31	8.29	ug/kg	5.00	ug/kg	N	0.603
BIST025	LB131F2501	Gulf killifish	Whole Body	Heptachlor Epoxide	1	33	2	31	8.87	ug/kg	5.00	ug/kg	N	0.564
BIST025	LB132F2501	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	85	5	80	14.3	ug/kg	5.00	ug/kg	N	0.348
BIST025	LB132F2503	Spot	Whole Body	Heptachlor Epoxide	2B	2	0	2	14.8	ug/kg	5.00	ug/kg	N	0.339
BIST025	LB131F2502	Gulf killifish	Whole Body	Heptachlor Epoxide	1	33	2	31	8.87	ug/kg	5.00	ug/kg	N	0.564
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Heptachlor Epoxide	1	33	2	31	8.87	ug/kg	5.00	ug/kg	N	0.564
BIST025	LB132F2502	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	85	5	80	14.3	ug/kg	5.00	ug/kg	N	0.348
BIST026	LB131F2604	Gulf killifish	Whole Body	Heptachlor Epoxide	1	34	2	32	22.9	ug/kg	5.00	ug/kg	N	0.218
BIST026	LB131F2601	Gulf killifish	Whole Body	Heptachlor Epoxide	1	34	2	32	22.9	ug/kg	5.00	ug/kg	N	0.218
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	0	26	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	0	26	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Heptachlor Epoxide	1	26	0	26	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Heptachlor Epoxide	1	22	1	21	28.8	ug/kg	5.00	ug/kg	N	0.174
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Heptachlor Epoxide	1	22	1	21	28.8	ug/kg	5.00	ug/kg	N	0.174
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Heptachlor Epoxide	1	22	1	21	28.8	ug/kg	5.00	ug/kg	N	0.174
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Heptachlor Epoxide	1	25	1	24	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Heptachlor Epoxide	1	25	1	24	25.7	ug/kg	5.00	ug/kg	N	0.195
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Heptachlor Epoxide	1	25	1	24	25.7	ug/kg	5.00	ug/kg	N	0.195
BISTC01	BAYD4C0103	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	43	3	40	8.87	ug/kg	5.00	ug/kg	N	0.564
BISTC01	BAYD4C0101	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	43	3	40	8.87	ug/kg	5.00	ug/kg	N	0.564
BISTC02	BAYD4C0201	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	49	3	46	8.66	ug/kg	5.00	ug/kg	N	0.577
BISTC02	BAYD4C0203	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	49	3	46	8.66	ug/kg	5.00	ug/kg	N	0.577
BISTC02	BAYD4C0205	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	49	3	46	8.66	ug/kg	5.00	ug/kg	N	0.577
BISTC03	BAYD4C0302	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	67	4	63	9.40	ug/kg	5.00	ug/kg	N	0.532
BISTC05	BAYD4C0502	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	86	5	81	13.4	ug/kg	5.00	ug/kg	N	0.374
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Heptachlor Epoxide	2A	72	3	69	11.3	ug/kg	11.0	ug/kg	N	0.973
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Heptachlor Epoxide	I 2B	70	3	67	12.1	ug/kg	11.0	ug/kg	N	0.913
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Heptachlor Epoxide	3B	86	5	81	13.9	ug/kg	1.30	ug/kg	Y	0.0936
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Heptachlor Epoxide	3B	86	5	81	13.9	ug/kg	3.60	ug/kg	Y	0.259
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Heptachlor Epoxide	4B	207	9	198	7.93	ug/kg	11.0	ug/kg	N	1.39
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Heptachlor Epoxide	3B	86	5	81	13.9	ug/kg	11.0	ug/kg	N	0.792
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Heptachlor Epoxide	3B	86	5	81	14.2	ug/kg	11.0	ug/kg	N	0.774
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Heptachlor Epoxide	I 1A	1	1	0	1.30	ug/kg	11.0	ug/kg	N	8.46
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Heptachlor Epoxide	I 1B	2	0	2	7.18	ug/kg	11.0	ug/kg	N	1.53
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Heptachlor Epoxide	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Heptachlor Epoxide	I 1A	1	0	1	1.10	ug/kg	1.25	ug/kg	N	1.14

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Heptachlor Epoxide	I 1A	1	1	0	19.0	ug/kg	1.25	ug/kg	N	0.0658
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Heptachlor Epoxide	I 1A	1	1	0	19.0	ug/kg	1.25	ug/kg	N	0.0658
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Heptachlor Epoxide	I 1A	1	0	1	2.25	ug/kg	1.25	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Heptachlor Epoxide	I 1B	1	0	1	2.70	ug/kg	1.25	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Heptachlor Epoxide	I 1B	1	0	1	2.65	ug/kg	1.25	ug/kg	N	0.472
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Heptachlor Epoxide	I 1B	3	0	3	9.05	ug/kg	1.25	ug/kg	N	0.138
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Heptachlor Epoxide	I 1B	3	1	2	7.30	ug/kg	1.25	ug/kg	N	0.171
BIST004	UB041F0404	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	779	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0402	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	779	ug/kg	20.0	ug/kg	N	0.0257
BIST004	UB041F0401	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	779	ug/kg	100.0	ug/kg	N	0.128
BIST005	UB051F0511	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0518	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0504	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB051F0515	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	100.0	ug/kg	N	0.121
BIST005	UB051F0503	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB051F0512	Sailfin molly	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	80.0	ug/kg	N	0.0966
BIST005	UB054F0507	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	34	0	34	640	ug/kg	46.0	ug/kg	Y	0.0718
BIST005	UB054F0505	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	34	0	34	640	ug/kg	92.0	ug/kg	Y	0.144
BIST005	UB054F0516	Skipjack herring	Whole Body	Hexachloro-1,3-butadiene	3A	34	0	34	640	ug/kg	390	ug/kg	Y	0.609
BIST005	UB054F0508	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB054F0502	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB051F0523	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0501	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	20.0	ug/kg	N	0.0201
BIST005	UB052F0501	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	34	0	34	640	ug/kg	100.0	ug/kg	N	0.156
BIST005	UB051F0509	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0501	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0506	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	34	0	34	640	ug/kg	240	ug/kg	Y	0.375
BIST005	UB051F0525	Sailfin molly	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	60.0	ug/kg	N	0.0724
BIST005	UB051F0510	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0504	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB051F0505	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB051F0520	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0515	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB054F0514	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	20.0	ug/kg	N	0.0201
BIST005	UB051F0508	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0502	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0503	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB051F0516	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0511	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	34	0	34	640	ug/kg	140	ug/kg	Y	0.219
BIST006	MB012F0607	Spot	Whole Body	Hexachloro-1,3-butadiene	2B	3	0	3	283	ug/kg	80.0	ug/kg	N	0.282
BIST006	MB014F0603	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	32	0	32	699	ug/kg	29.0	ug/kg	Y	0.0415
BIST006	MB014F0605	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST006	MB014F0628	White mullet	Whole Body	Hexachloro-1,3-butadiene	3A	32	0	32	699	ug/kg	300	ug/kg	Y	0.429
BIST006	MB011F0615	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	355	ug/kg	200	ug/kg	N	0.564
BIST006	MB014F0602	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST006	MB012F0602	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB011F0616	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB012F0603	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	40.0	ug/kg	N	0.0572
BIST006	MB012F0601	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	80.0	ug/kg	N	0.114

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0609	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	160	ug/kg	N	0.229
BIST006	MB012F0605	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB011F0607	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	355	ug/kg	200	ug/kg	N	0.564
BIST006	MB012F0619	Spot	Whole Body	Hexachloro-1,3-butadiene	2B	3	0	3	283	ug/kg	60.0	ug/kg	N	0.212
BIST006	MB012F0606	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB014F0612	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	32	0	32	699	ug/kg	53.0	ug/kg	Y	0.0758
BIST006	MB011F0605	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB014F0630	Sand seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	32	0	32	699	ug/kg	35.0	ug/kg	Y	0.0501
BIST006	MB014F0608	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	32	0	32	699	ug/kg	27.0	ug/kg	Y	0.0386
BIST006	MB012F0610	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB014F0604	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	32	0	32	699	ug/kg	140	ug/kg	Y	0.200
BIST006	MB014F0601	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST006	MB012F0611	Spot	Whole Body	Hexachloro-1,3-butadiene	2B	3	0	3	283	ug/kg	60.0	ug/kg	N	0.212
BIST006	MB012F0613	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	32	0	32	699	ug/kg	20.0	ug/kg	N	0.0286
BIST006	MB011F0624	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB014F0615	Sand seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	32	0	32	699	ug/kg	49.0	ug/kg	Y	0.0701
BIST007	MB011F0704	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0708	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0703	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0702	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0706	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST008	MB031V0813	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031V0812	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0811	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0816	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0819	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0817	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0803	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0803	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031V0808	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0801	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031F0804	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0802	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	40.0	ug/kg	N	0.0724
BIST008	MB031V0810	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0811	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0807	Shrimp	Shellfish	Hexachloro-1,3-butadiene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0806	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031F0805	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST010	MB031F1004	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1009	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1001	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1006	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1013	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST011	LB011F1103	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	31	4	27	500	ug/kg	200	ug/kg	N	0.400
BIST011	LB011F1105	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	31	4	27	500	ug/kg	200	ug/kg	N	0.400
BIST011	LB011F1101	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	31	4	27	500	ug/kg	200	ug/kg	N	0.400
BIST012	LB011F1202	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	37	5	32	500	ug/kg	100.0	ug/kg	N	0.200
BIST012	LB011F1204	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	37	5	32	500	ug/kg	20.0	ug/kg	N	0.0400
BIST012	LB011F1201	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	37	5	32	500	ug/kg	200	ug/kg	N	0.400
BIST013	LB011F1305	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	38	6	32	439	ug/kg	100.0	ug/kg	N	0.228

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST013	LB011F1301	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	38	6	32	439	ug/kg	100.0	ug/kg	N	0.228
BIST013	LB011F1302	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	38	6	32	439	ug/kg	40.0	ug/kg	N	0.0912
BIST015	LB032F1505	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	139	15	124	1390	ug/kg	60.0	ug/kg	N	0.0433
BIST015	LB031F1502	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	44	3	41	3240	ug/kg	100.0	ug/kg	N	0.0308
BIST015	LB031F1506	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	44	3	41	3240	ug/kg	100.0	ug/kg	N	0.0308
BIST015	LB031F1504	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	44	3	41	3240	ug/kg	200	ug/kg	N	0.0617
BIST015	LB032F1501	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	139	15	124	1390	ug/kg	80.0	ug/kg	N	0.0577
BIST015	LB032F1506	Spot	Whole Body	Hexachloro-1,3-butadiene	2B	4	1	3	3010	ug/kg	40.0	ug/kg	N	0.0133
BIST015	LB032F1502	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	139	15	124	1390	ug/kg	80.0	ug/kg	N	0.0577
BIST015	LB032F1503	Threadfin shad	Whole Body	Hexachloro-1,3-butadiene	2A	139	15	124	1390	ug/kg	80.0	ug/kg	N	0.0577
BIST015	LB033F1510	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	130	ug/kg	Y	0.131
BIST015	LB033F1516	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	580	ug/kg	Y	0.419
BIST015	LB033F1511	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	380	ug/kg	Y	0.382
BIST015	LB034F1505	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	139	15	124	1390	ug/kg	49.0	ug/kg	Y	0.0354
BIST015	LB033F1508	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	470	ug/kg	Y	0.339
BIST015	LB033F1517	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	1800	ug/kg	Y	1.30
BIST015	LB033F1504	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	170	ug/kg	Y	0.123
BIST015	LB033F1502	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	240	ug/kg	Y	0.173
BIST015	LB034F1506	Atlantic croaker	Whole Body	Hexachloro-1,3-butadiene	3B	139	15	124	1390	ug/kg	79.0	ug/kg	Y	0.0570
BIST015	LB032F1507	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	139	15	124	1390	ug/kg	40.0	ug/kg	N	0.0289
BIST015	LB033F1506	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	110	ug/kg	Y	0.0794
BIST015	LB033F1518	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	260	ug/kg	Y	0.188
BIST015	LB034F1504	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	139	15	124	1390	ug/kg	43.0	ug/kg	Y	0.0310
BIST015	LB033F1503	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	340	ug/kg	Y	0.245
BIST015	LB033F1509	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	870	ug/kg	Y	0.628
BIST015	LB033F1501	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	640	ug/kg	Y	0.462
BIST015	LB033F1507	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	400	ug/kg	Y	0.289
BIST015	LB033F1513	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1514	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	52.0	ug/kg	Y	0.0523
BIST015	LB033F1515	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	490	ug/kg	Y	0.354
BIST015	LB034F1503	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	139	15	124	1390	ug/kg	58.0	ug/kg	Y	0.0419
BIST015	LB033F1505	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	139	15	124	1390	ug/kg	260	ug/kg	Y	0.188
BIST015	LB034F1501	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB034F1502	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1512	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	100.0	ug/kg	Y	0.101
BIST016	LB031F1601	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	58	9	49	2640	ug/kg	200	ug/kg	N	0.0757
BIST016	LB031F1610	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	58	9	49	2640	ug/kg	20.0	ug/kg	N	0.00757
BIST016	LB031F1602	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	58	9	49	2640	ug/kg	20.0	ug/kg	N	0.00757
BIST017	LB031F1702	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	19	2	17	6700	ug/kg	500	ug/kg	N	0.0746
BIST017	LB031A1752	Mussels	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST017	LB031A1753	Mussels	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST017	LB031F1704	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	19	2	17	6700	ug/kg	40.0	ug/kg	N	0.00597
BIST017	LB031F1703	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	19	2	17	6700	ug/kg	60.0	ug/kg	N	0.00895
BIST017	LB031A1754	Mussels	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST019	LB061F1901	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	45	8	37	623	ug/kg	20.0	ug/kg	N	0.0321
BIST019	LB061F1902	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	45	8	37	623	ug/kg	200	ug/kg	N	0.321
BIST019	LB061F1903	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	45	8	37	623	ug/kg	20.0	ug/kg	N	0.0321
BIST021	LB094F2122	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2124	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2102	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	120	ug/kg	Y	0.121

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2101	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	3B	74	6	68	600	ug/kg	61.0	ug/kg	Y	0.102
BIST021	LB094F2134	Pinfish	Whole Body	Hexachloro-1,3-butadiene	3B	74	6	68	600	ug/kg	380	ug/kg	Y	0.633
BIST021	LB093F2104	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2118	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2106	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2107	Atlantic croaker	Whole Body	Hexachloro-1,3-butadiene	3B	74	6	68	600	ug/kg	130	ug/kg	Y	0.217
BIST021	LB094F2115	Black Drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2120	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2108	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	130	ug/kg	Y	0.131
BIST021	LB094F2104	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2105	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	70.0	ug/kg	Y	0.0704
BIST021	LB094F2141	Pinfish	Whole Body	Hexachloro-1,3-butadiene	3B	74	6	68	600	ug/kg	210	ug/kg	Y	0.350
BIST021	LB093F2101	Striped mullet	Whole Body	Hexachloro-1,3-butadiene	3A	74	6	68	600	ug/kg	770	ug/kg	Y	1.28
BIST021	LB094F2103	Red drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2107	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	36.0	ug/kg	Y	0.0362
BIST021	LB093F2103	Gizzard shad	Whole Body	Hexachloro-1,3-butadiene	4A	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2121	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2151	Spotted seatrout	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	25.0	ug/kg	N	0.0252
BIST024	LB131F2402	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	53	8	45	528	ug/kg	100.0	ug/kg	N	0.190
BIST024	LB131F2406	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	53	8	45	528	ug/kg	200	ug/kg	N	0.379
BIST024	LB131F2408	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	53	8	45	528	ug/kg	200	ug/kg	N	0.379
BIST025	LB131F2502	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	54	7	47	752	ug/kg	200	ug/kg	N	0.266
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Hexachloro-1,3-butadiene	1	54	7	47	752	ug/kg	400	ug/kg	N	0.532
BIST025	LB132F2502	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	130	14	116	1450	ug/kg	20.0	ug/kg	N	0.0138
BIST025	LB132F2501	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	130	14	116	1450	ug/kg	80.0	ug/kg	N	0.0550
BIST025	LB132F2503	Spot	Whole Body	Hexachloro-1,3-butadiene	2B	2	2	0	180	ug/kg	60.0	ug/kg	N	0.333
BIST026	LB131F2601	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	53	7	46	699	ug/kg	40.0	ug/kg	N	0.0572
BIST026	LB131F2604	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	53	7	46	699	ug/kg	100.0	ug/kg	N	0.143
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	33	5	28	446	ug/kg	200	ug/kg	N	0.448
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	33	5	28	446	ug/kg	40.0	ug/kg	N	0.0896
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	33	5	28	446	ug/kg	200	ug/kg	N	0.448
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	32	3	29	3570	ug/kg	200	ug/kg	N	0.0560
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	32	3	29	3570	ug/kg	100.0	ug/kg	N	0.0280
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	32	3	29	3570	ug/kg	40.0	ug/kg	N	0.0112
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	32	4	28	593	ug/kg	200	ug/kg	N	0.337
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	32	4	28	593	ug/kg	19.0	ug/kg	Y	0.0320
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Hexachloro-1,3-butadiene	1	32	4	28	593	ug/kg	200	ug/kg	N	0.337
BISTC01	BAYD4C0101	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	74	7	67	585	ug/kg	20.0	ug/kg	N	0.0342
BISTC01	BAYD4C0103	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	74	7	67	585	ug/kg	20.0	ug/kg	N	0.0342
BISTC02	BAYD4C0201	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	82	8	74	576	ug/kg	20.0	ug/kg	N	0.0347
BISTC02	BAYD4C0203	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	82	8	74	576	ug/kg	20.0	ug/kg	N	0.0347
BISTC02	BAYD4C0205	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	82	8	74	576	ug/kg	20.0	ug/kg	N	0.0347
BISTC03	BAYD4C0302	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	112	10	102	1620	ug/kg	20.0	ug/kg	N	0.0123
BISTC05	BAYD4C0502	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	120	13	107	1510	ug/kg	20.0	ug/kg	N	0.0133
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Hexachloro-1,3-butadiene	2A	78	5	73	520	ug/kg	1000	ug/kg	N	1.92
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Hexachloro-1,3-butadiene	I 2B	83	8	75	528	ug/kg	1000	ug/kg	N	1.89
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Hexachloro-1,3-butadiene	3B	131	15	116	1440	ug/kg	1000	ug/kg	N	0.696
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Hexachloro-1,3-butadiene	3B	131	15	116	1440	ug/kg	500	ug/kg	N	0.348
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Hexachloro-1,3-butadiene	3B	131	15	116	1440	ug/kg	1000	ug/kg	N	0.696
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Hexachloro-1,3-butadiene	4B	270	15	255	994	ug/kg	500	ug/kg	N	0.503

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Hexachloro-1,3-butadiene	3B	132	15	117	1430	ug/kg	500	ug/kg	N	0.349
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Hexachloro-1,3-butadiene	I 1A	4	0	4	109	ug/kg	1000	ug/kg	N	9.22
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Hexachloro-1,3-butadiene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	420	ug/kg	335	ug/kg	N	0.798
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	420	ug/kg	335	ug/kg	N	0.798
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Hexachloro-1,3-butadiene	I 1A	1	0	1	485	ug/kg	335	ug/kg	N	0.691
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Hexachloro-1,3-butadiene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Hexachloro-1,3-butadiene	I 1B	1	0	1	550	ug/kg	335	ug/kg	N	0.609
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Hexachloro-1,3-butadiene	I 1B	3	2	1	423	ug/kg	335	ug/kg	N	0.791
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Hexachloro-1,3-butadiene	I 1B	6	2	4	366	ug/kg	335	ug/kg	N	0.916
BIST004	UB041F0402	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	779	ug/kg	20.0	ug/kg	N	0.0257
BIST004	UB041F0401	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	779	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0404	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	779	ug/kg	100.0	ug/kg	N	0.128
BIST005	UB051F0502	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0506	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0520	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0508	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0525	Sailfin molly	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	60.0	ug/kg	N	0.0724
BIST005	UB051F0518	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0504	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0511	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	34	0	34	640	ug/kg	58.0	ug/kg	Y	0.0906
BIST005	UB054F0516	Skipjack herring	Whole Body	Hexachlorobenzene	3A	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0510	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0512	Sailfin molly	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	80.0	ug/kg	N	0.0966
BIST005	UB051F0509	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0523	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0504	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST005	UB052F0501	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	34	0	34	640	ug/kg	100.0	ug/kg	N	0.156
BIST005	UB051F0516	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0505	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0501	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	20.0	ug/kg	N	0.0173
BIST005	UB054F0514	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	20.0	ug/kg	N	0.0173
BIST005	UB051F0515	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	100.0	ug/kg	N	0.121
BIST005	UB051F0511	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0508	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0507	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0505	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB051F0501	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0515	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST005	UB054F0503	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST005	UB051F0503	Gulf killifish	Whole Body	Hexachlorobenzene	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0502	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST006	MB014F0608	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0610	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB011F0607	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	355	ug/kg	200	ug/kg	N	0.564
BIST006	MB014F0605	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST006	MB014F0628	White mullet	Whole Body	Hexachlorobenzene	3A	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0609	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	160	ug/kg	N	0.229
BIST006	MB012F0607	Spot	Whole Body	Hexachlorobenzene	2B	3	0	3	283	ug/kg	80.0	ug/kg	N	0.282
BIST006	MB012F0606	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB012F0605	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB012F0603	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	40.0	ug/kg	N	0.0572
BIST006	MB014F0612	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB014F0615	Sand seatrout	Whole Body	Hexachlorobenzene	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB014F0602	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST006	MB014F0603	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0613	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	20.0	ug/kg	N	0.0286
BIST006	MB014F0601	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST006	MB011F0616	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB012F0601	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB011F0615	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	355	ug/kg	200	ug/kg	N	0.564
BIST006	MB014F0604	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0602	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB012F0611	Spot	Whole Body	Hexachlorobenzene	2B	3	0	3	283	ug/kg	94.0	ug/kg	Y	0.332
BIST006	MB011F0624	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB014F0630	Sand seatrout	Whole Body	Hexachlorobenzene	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0619	Spot	Whole Body	Hexachlorobenzene	2B	3	0	3	283	ug/kg	60.0	ug/kg	N	0.212
BIST006	MB011F0605	Gulf killifish	Whole Body	Hexachlorobenzene	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST007	MB011F0703	Gulf killifish	Whole Body	Hexachlorobenzene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0708	Gulf killifish	Whole Body	Hexachlorobenzene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0706	Gulf killifish	Whole Body	Hexachlorobenzene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0702	Gulf killifish	Whole Body	Hexachlorobenzene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0704	Gulf killifish	Whole Body	Hexachlorobenzene	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST008	MB031V0813	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031V0802	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	40.0	ug/kg	N	0.0724
BIST008	MB031V0819	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0803	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031F0806	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0801	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031V0816	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0804	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031F0805	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0812	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0808	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0817	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0810	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0807	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0811	Shrimp	Shellfish	Hexachlorobenzene	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0803	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031F0811	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST010	MB031F1009	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1001	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1006	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1004	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1013	Gulf killifish	Whole Body	Hexachlorobenzene	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST011	LB011F1105	Gulf killifish	Whole Body	Hexachlorobenzene	1	31	6	25	715	ug/kg	200	ug/kg	N	0.280
BIST011	LB011F1103	Gulf killifish	Whole Body	Hexachlorobenzene	1	31	6	25	715	ug/kg	200	ug/kg	N	0.280

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST011	LB011F1101	Gulf killifish	Whole Body	Hexachlorobenzene	1	31	6	25	715	ug/kg	200	ug/kg	N	0.280
BIST012	LB011F1204	Gulf killifish	Whole Body	Hexachlorobenzene	1	37	8	29	690	ug/kg	20.0	ug/kg	N	0.0290
BIST012	LB011F1201	Gulf killifish	Whole Body	Hexachlorobenzene	1	37	8	29	690	ug/kg	200	ug/kg	N	0.290
BIST012	LB011F1202	Gulf killifish	Whole Body	Hexachlorobenzene	1	37	8	29	690	ug/kg	100.0	ug/kg	N	0.145
BIST013	LB011F1301	Gulf killifish	Whole Body	Hexachlorobenzene	1	38	9	29	638	ug/kg	100.0	ug/kg	N	0.157
BIST013	LB011F1302	Gulf killifish	Whole Body	Hexachlorobenzene	1	38	9	29	638	ug/kg	40.0	ug/kg	N	0.0627
BIST013	LB011F1305	Gulf killifish	Whole Body	Hexachlorobenzene	1	38	9	29	638	ug/kg	100.0	ug/kg	N	0.157
BIST015	LB032F1505	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	136	23	113	1710	ug/kg	60.0	ug/kg	N	0.0351
BIST015	LB032F1506	Spot	Whole Body	Hexachlorobenzene	2B	4	0	4	3110	ug/kg	40.0	ug/kg	N	0.0129
BIST015	LB032F1501	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	136	23	113	1710	ug/kg	80.0	ug/kg	N	0.0468
BIST015	LB031F1504	Gulf killifish	Whole Body	Hexachlorobenzene	1	44	6	38	3200	ug/kg	200	ug/kg	N	0.0625
BIST015	LB032F1503	Threadfin shad	Whole Body	Hexachlorobenzene	2A	136	23	113	1710	ug/kg	80.0	ug/kg	N	0.0468
BIST015	LB031F1506	Gulf killifish	Whole Body	Hexachlorobenzene	1	44	6	38	3200	ug/kg	100.0	ug/kg	N	0.0313
BIST015	LB031F1502	Gulf killifish	Whole Body	Hexachlorobenzene	1	44	6	38	3200	ug/kg	100.0	ug/kg	N	0.0313
BIST015	LB032F1502	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	136	23	113	1710	ug/kg	80.0	ug/kg	N	0.0468
BIST015	LB033F1514	Striped mullet	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST015	LB034F1505	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB032F1507	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	136	23	113	1710	ug/kg	40.0	ug/kg	N	0.0234
BIST015	LB033F1506	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1509	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1503	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1513	Striped mullet	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST015	LB033F1502	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1510	Striped mullet	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	230	ug/kg	Y	0.199
BIST015	LB033F1517	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1515	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1512	Striped mullet	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST015	LB033F1504	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1511	Striped mullet	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST015	LB034F1506	Atlantic croaker	Whole Body	Hexachlorobenzene	3B	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1518	Gulf menhaden	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB034F1502	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST015	LB034F1504	Spotted seatrout	Whole Body	Hexachlorobenzene	3B	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1501	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1508	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB034F1501	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST015	LB033F1505	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST015	LB033F1507	Striped mullet	Whole Body	Hexachlorobenzene	3A	136	23	113	1710	ug/kg	25.0	ug/kg	N	0.0146
BIST016	LB031F1610	Gulf killifish	Whole Body	Hexachlorobenzene	1	55	12	43	3360	ug/kg	20.0	ug/kg	N	0.00595
BIST016	LB031F1601	Gulf killifish	Whole Body	Hexachlorobenzene	1	55	12	43	3360	ug/kg	200	ug/kg	N	0.0595
BIST016	LB031F1602	Gulf killifish	Whole Body	Hexachlorobenzene	1	55	12	43	3360	ug/kg	20.0	ug/kg	N	0.00595
BIST017	LB031A1753	Mussels	Shellfish	Hexachlorobenzene	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST017	LB031A1754	Mussels	Shellfish	Hexachlorobenzene	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST017	LB031F1703	Gulf killifish	Whole Body	Hexachlorobenzene	1	19	2	17	6590	ug/kg	60.0	ug/kg	N	0.00910
BIST017	LB031F1704	Gulf killifish	Whole Body	Hexachlorobenzene	1	19	2	17	6590	ug/kg	40.0	ug/kg	N	0.00607
BIST017	LB031F1702	Gulf killifish	Whole Body	Hexachlorobenzene	1	19	2	17	6590	ug/kg	500	ug/kg	N	0.0759
BIST017	LB031A1752	Mussels	Shellfish	Hexachlorobenzene	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST019	LB061F1901	Gulf killifish	Whole Body	Hexachlorobenzene	1	42	11	31	1470	ug/kg	20.0	ug/kg	N	0.0136
BIST019	LB061F1903	Gulf killifish	Whole Body	Hexachlorobenzene	1	42	11	31	1470	ug/kg	20.0	ug/kg	N	0.0136
BIST019	LB061F1902	Gulf killifish	Whole Body	Hexachlorobenzene	1	42	11	31	1470	ug/kg	200	ug/kg	N	0.136

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2115	Black Drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2107	Atlantic croaker	Whole Body	Hexachlorobenzene	3B	71	11	60	1110	ug/kg	25.0	ug/kg	N	0.0225
BIST021	LB093F2101	Striped mullet	Whole Body	Hexachlorobenzene	3A	71	11	60	1110	ug/kg	25.0	ug/kg	N	0.0225
BIST021	LB094F2118	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB093F2106	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2120	Spotted seatrout	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2103	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB093F2107	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2141	Pinfish	Whole Body	Hexachlorobenzene	3B	71	11	60	1110	ug/kg	25.0	ug/kg	N	0.0225
BIST021	LB094F2122	Spotted seatrout	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2104	Red drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB093F2108	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	280	ug/kg	Y	0.243
BIST021	LB093F2104	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2151	Spotted seatrout	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB093F2102	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB093F2105	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2121	Spotted seatrout	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2124	Spotted seatrout	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST021	LB094F2134	Pinfish	Whole Body	Hexachlorobenzene	3B	71	11	60	1110	ug/kg	25.0	ug/kg	N	0.0225
BIST021	LB093F2103	Gizzard shad	Whole Body	Hexachlorobenzene	4A	267	23	244	1150	ug/kg	25.0	ug/kg	N	0.0217
BIST024	LB131F2402	Gulf killifish	Whole Body	Hexachlorobenzene	1	50	11	39	1230	ug/kg	100.0	ug/kg	N	0.0812
BIST024	LB131F2406	Gulf killifish	Whole Body	Hexachlorobenzene	1	50	11	39	1230	ug/kg	200	ug/kg	N	0.162
BIST024	LB131F2408	Gulf killifish	Whole Body	Hexachlorobenzene	1	50	11	39	1230	ug/kg	200	ug/kg	N	0.162
BIST025	LB132F2503	Spot	Whole Body	Hexachlorobenzene	2B	2	2	0	1220	ug/kg	60.0	ug/kg	N	0.0494
BIST025	LB132F2501	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	127	21	106	1800	ug/kg	80.0	ug/kg	N	0.0445
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Hexachlorobenzene	1	51	12	39	1460	ug/kg	400	ug/kg	N	0.274
BIST025	LB132F2502	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	127	21	106	1800	ug/kg	20.0	ug/kg	N	0.0111
BIST025	LB131F2502	Gulf killifish	Whole Body	Hexachlorobenzene	1	51	12	39	1460	ug/kg	200	ug/kg	N	0.137
BIST026	LB131F2601	Gulf killifish	Whole Body	Hexachlorobenzene	1	50	11	39	1380	ug/kg	40.0	ug/kg	N	0.0290
BIST026	LB131F2604	Gulf killifish	Whole Body	Hexachlorobenzene	1	50	11	39	1380	ug/kg	100.0	ug/kg	N	0.0725
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Hexachlorobenzene	1	33	8	25	659	ug/kg	200	ug/kg	N	0.303
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Hexachlorobenzene	1	33	8	25	659	ug/kg	40.0	ug/kg	N	0.0607
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Hexachlorobenzene	1	33	8	25	659	ug/kg	200	ug/kg	N	0.303
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Hexachlorobenzene	1	32	4	28	3580	ug/kg	40.0	ug/kg	N	0.0112
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Hexachlorobenzene	1	32	4	28	3580	ug/kg	100.0	ug/kg	N	0.0280
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Hexachlorobenzene	1	32	4	28	3580	ug/kg	200	ug/kg	N	0.0559
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Hexachlorobenzene	1	32	6	26	636	ug/kg	200	ug/kg	N	0.314
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Hexachlorobenzene	1	32	6	26	636	ug/kg	20.0	ug/kg	N	0.0314
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Hexachlorobenzene	1	32	6	26	636	ug/kg	200	ug/kg	N	0.314
BISTC01	BAYD4C0103	Blue crab	Shellfish	Hexachlorobenzene	I 2B	71	12	59	1100	ug/kg	26.0	ug/kg	Y	0.0236
BISTC01	BAYD4C0101	Blue crab	Shellfish	Hexachlorobenzene	I 2B	71	12	59	1100	ug/kg	20.0	ug/kg	N	0.0181
BISTC02	BAYD4C0203	Blue crab	Shellfish	Hexachlorobenzene	I 2B	79	14	65	1050	ug/kg	20.0	ug/kg	N	0.0191
BISTC02	BAYD4C0201	Blue crab	Shellfish	Hexachlorobenzene	I 2B	79	14	65	1050	ug/kg	28.0	ug/kg	Y	0.0268
BISTC02	BAYD4C0205	Blue crab	Shellfish	Hexachlorobenzene	I 2B	79	14	65	1050	ug/kg	20.0	ug/kg	N	0.0191
BISTC03	BAYD4C0302	Blue crab	Shellfish	Hexachlorobenzene	I 2B	109	17	92	1970	ug/kg	20.0	ug/kg	N	0.0101
BISTC05	BAYD4C0502	Blue crab	Shellfish	Hexachlorobenzene	I 2B	117	18	99	1870	ug/kg	20.0	ug/kg	Y	0.0107
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Hexachlorobenzene	2A	78	7	71	615	ug/kg	1000	ug/kg	N	1.63
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Hexachlorobenzene	I 2B	83	12	71	652	ug/kg	1000	ug/kg	N	1.53
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Hexachlorobenzene	3B	128	22	106	1780	ug/kg	500	ug/kg	N	0.281
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Hexachlorobenzene	3B	128	22	106	1780	ug/kg	1000	ug/kg	N	0.562

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Hexachlorobenzene	4B	267	23	244	1150	ug/kg	500	ug/kg	N	0.433
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Hexachlorobenzene	3B	128	22	106	1780	ug/kg	1000	ug/kg	N	0.562
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Hexachlorobenzene	3B	129	22	107	1770	ug/kg	500	ug/kg	N	0.282
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Hexachlorobenzene	I 1A	1	1	0	2220	ug/kg	1000	ug/kg	N	0.450
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Hexachlorobenzene	I 1B	2	1	1	848	ug/kg	1000	ug/kg	N	1.18
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Hexachlorobenzene	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Hexachlorobenzene	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Hexachlorobenzene	I 1A	1	1	0	2200	ug/kg	335	ug/kg	N	0.152
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Hexachlorobenzene	I 1A	1	1	0	2200	ug/kg	335	ug/kg	N	0.152
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Hexachlorobenzene	I 1A	1	0	1	485	ug/kg	335	ug/kg	N	0.691
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Hexachlorobenzene	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Hexachlorobenzene	I 1B	1	0	1	550	ug/kg	335	ug/kg	N	0.609
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Hexachlorobenzene	I 1B	3	2	1	2430	ug/kg	335	ug/kg	N	0.138
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Hexachlorobenzene	I 1B	3	3	0	9940	ug/kg	335	ug/kg	N	0.0337
BIST004	UB041F0404	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	779	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0402	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	779	ug/kg	20.0	ug/kg	N	0.0257
BIST004	UB041F0401	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	779	ug/kg	100.0	ug/kg	N	0.128
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0507	Spotted seatrout	Whole Body	Hexachloroethane	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0520	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB051F0508	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0508	Spotted seatrout	Whole Body	Hexachloroethane	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB054F0514	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	20.0	ug/kg	N	0.0201
BIST005	UB051F0509	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0503	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB054F0504	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB051F0525	Sailfin molly	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	60.0	ug/kg	N	0.0724
BIST005	UB054F0511	Spotted seatrout	Whole Body	Hexachloroethane	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0510	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0512	Sailfin molly	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	80.0	ug/kg	N	0.0966
BIST005	UB051F0503	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0502	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB051F0511	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0501	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB051F0505	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB052F0501	Gulf menhaden	Whole Body	Hexachloroethane	2A	34	0	34	640	ug/kg	100.0	ug/kg	N	0.156
BIST005	UB051F0515	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	100.0	ug/kg	N	0.121
BIST005	UB051F0523	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0516	Skipjack herring	Whole Body	Hexachloroethane	3A	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB054F0501	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	20.0	ug/kg	N	0.0201
BIST005	UB051F0516	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST005	UB054F0505	Spotted seatrout	Whole Body	Hexachloroethane	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB051F0502	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB051F0518	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	20.0	ug/kg	N	0.0241
BIST005	UB054F0506	Spotted seatrout	Whole Body	Hexachloroethane	3B	34	0	34	640	ug/kg	25.0	ug/kg	N	0.0390
BIST005	UB054F0515	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST005	UB051F0504	Gulf killifish	Whole Body	Hexachloroethane	1	13	0	13	828	ug/kg	40.0	ug/kg	N	0.0483
BIST006	MB014F0602	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST006	MB012F0603	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	40.0	ug/kg	N	0.0572
BIST006	MB011F0615	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	355	ug/kg	200	ug/kg	N	0.564

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0613	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	20.0	ug/kg	N	0.0286
BIST006	MB014F0604	Spotted seatrout	Whole Body	Hexachloroethane	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB011F0616	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB011F0605	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB014F0628	White mullet	Whole Body	Hexachloroethane	3A	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB014F0603	Spotted seatrout	Whole Body	Hexachloroethane	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0606	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB012F0619	Spot	Whole Body	Hexachloroethane	2B	3	0	3	283	ug/kg	60.0	ug/kg	N	0.212
BIST006	MB011F0607	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	355	ug/kg	200	ug/kg	N	0.564
BIST006	MB012F0609	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	160	ug/kg	N	0.229
BIST006	MB012F0611	Spot	Whole Body	Hexachloroethane	2B	3	0	3	283	ug/kg	60.0	ug/kg	N	0.212
BIST006	MB014F0605	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST006	MB014F0630	Sand seatrout	Whole Body	Hexachloroethane	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB014F0601	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST006	MB014F0615	Sand seatrout	Whole Body	Hexachloroethane	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0605	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB014F0608	Spotted seatrout	Whole Body	Hexachloroethane	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0610	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB014F0612	Spotted seatrout	Whole Body	Hexachloroethane	3B	32	0	32	699	ug/kg	25.0	ug/kg	N	0.0358
BIST006	MB012F0601	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	80.0	ug/kg	N	0.114
BIST006	MB012F0602	Gulf menhaden	Whole Body	Hexachloroethane	2A	32	0	32	699	ug/kg	60.0	ug/kg	N	0.0859
BIST006	MB011F0624	Gulf killifish	Whole Body	Hexachloroethane	1	15	0	15	355	ug/kg	100.0	ug/kg	N	0.282
BIST006	MB012F0607	Spot	Whole Body	Hexachloroethane	2B	3	0	3	283	ug/kg	80.0	ug/kg	N	0.282
BIST007	MB011F0708	Gulf killifish	Whole Body	Hexachloroethane	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0703	Gulf killifish	Whole Body	Hexachloroethane	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0702	Gulf killifish	Whole Body	Hexachloroethane	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0704	Gulf killifish	Whole Body	Hexachloroethane	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST007	MB011F0706	Gulf killifish	Whole Body	Hexachloroethane	1	12	0	12	436	ug/kg	100.0	ug/kg	N	0.229
BIST008	MB031V0807	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0803	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0817	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0804	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031F0805	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0813	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031F0811	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0803	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST008	MB031V0812	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0819	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031F0806	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	462	ug/kg	100.0	ug/kg	N	0.216
BIST008	MB031V0808	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0816	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0811	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0810	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	20.0	ug/kg	N	0.0362
BIST008	MB031V0802	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	40.0	ug/kg	N	0.0724
BIST008	MB031V0801	Shrimp	Shellfish	Hexachloroethane	I 2A	47	0	47	552	ug/kg	200	ug/kg	N	0.362
BIST010	MB031F1013	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1004	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1001	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1009	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219
BIST010	MB031F1006	Gulf killifish	Whole Body	Hexachloroethane	1	20	0	20	457	ug/kg	100.0	ug/kg	N	0.219

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST011	LB011F1103	Gulf killifish	Whole Body	Hexachloroethane	1	31	0	31	486	ug/kg	200	ug/kg	N	0.411
BIST011	LB011F1101	Gulf killifish	Whole Body	Hexachloroethane	1	31	0	31	486	ug/kg	200	ug/kg	N	0.411
BIST011	LB011F1105	Gulf killifish	Whole Body	Hexachloroethane	1	31	0	31	486	ug/kg	200	ug/kg	N	0.411
BIST012	LB011F1201	Gulf killifish	Whole Body	Hexachloroethane	1	37	0	37	490	ug/kg	200	ug/kg	N	0.408
BIST012	LB011F1202	Gulf killifish	Whole Body	Hexachloroethane	1	37	0	37	490	ug/kg	100.0	ug/kg	N	0.204
BIST012	LB011F1204	Gulf killifish	Whole Body	Hexachloroethane	1	37	0	37	490	ug/kg	20.0	ug/kg	N	0.0408
BIST013	LB011F1305	Gulf killifish	Whole Body	Hexachloroethane	1	38	0	38	427	ug/kg	100.0	ug/kg	N	0.234
BIST013	LB011F1301	Gulf killifish	Whole Body	Hexachloroethane	1	38	0	38	427	ug/kg	100.0	ug/kg	N	0.234
BIST013	LB011F1302	Gulf killifish	Whole Body	Hexachloroethane	1	38	0	38	427	ug/kg	40.0	ug/kg	N	0.0936
BIST015	LB031F1502	Gulf killifish	Whole Body	Hexachloroethane	1	44	0	44	3230	ug/kg	100.0	ug/kg	N	0.0310
BIST015	LB032F1501	Gulf menhaden	Whole Body	Hexachloroethane	2A	136	0	136	1390	ug/kg	80.0	ug/kg	N	0.0574
BIST015	LB031F1506	Gulf killifish	Whole Body	Hexachloroethane	1	44	0	44	3230	ug/kg	100.0	ug/kg	N	0.0310
BIST015	LB032F1506	Spot	Whole Body	Hexachloroethane	2B	4	0	4	3110	ug/kg	40.0	ug/kg	N	0.0129
BIST015	LB031F1504	Gulf killifish	Whole Body	Hexachloroethane	1	44	0	44	3230	ug/kg	200	ug/kg	N	0.0619
BIST015	LB032F1505	Gulf menhaden	Whole Body	Hexachloroethane	2A	136	0	136	1390	ug/kg	60.0	ug/kg	N	0.0431
BIST015	LB032F1503	Threadfin shad	Whole Body	Hexachloroethane	2A	136	0	136	1390	ug/kg	80.0	ug/kg	N	0.0574
BIST015	LB032F1502	Gulf menhaden	Whole Body	Hexachloroethane	2A	136	0	136	1390	ug/kg	80.0	ug/kg	N	0.0574
BIST015	LB034F1501	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1510	Striped mullet	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB034F1505	Spotted seatrout	Whole Body	Hexachloroethane	3B	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1505	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB032F1507	Gulf menhaden	Whole Body	Hexachloroethane	2A	136	0	136	1390	ug/kg	40.0	ug/kg	N	0.0287
BIST015	LB033F1513	Striped mullet	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1503	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1501	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1514	Striped mullet	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1517	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB034F1506	Atlantic croaker	Whole Body	Hexachloroethane	3B	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1507	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1515	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1512	Striped mullet	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB034F1502	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1502	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1506	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB034F1504	Spotted seatrout	Whole Body	Hexachloroethane	3B	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1509	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1504	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1508	Striped mullet	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST015	LB033F1511	Striped mullet	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST015	LB033F1518	Gulf menhaden	Whole Body	Hexachloroethane	3A	136	0	136	1390	ug/kg	25.0	ug/kg	N	0.0180
BIST016	LB031F1601	Gulf killifish	Whole Body	Hexachloroethane	1	55	0	55	2720	ug/kg	200	ug/kg	N	0.0735
BIST016	LB031F1602	Gulf killifish	Whole Body	Hexachloroethane	1	55	0	55	2720	ug/kg	20.0	ug/kg	N	0.00735
BIST016	LB031F1610	Gulf killifish	Whole Body	Hexachloroethane	1	55	0	55	2720	ug/kg	20.0	ug/kg	N	0.00735
BIST017	LB031A1754	Mussels	Shellfish	Hexachloroethane	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST017	LB031F1704	Gulf killifish	Whole Body	Hexachloroethane	1	19	0	19	6670	ug/kg	40.0	ug/kg	N	0.00600
BIST017	LB031F1703	Gulf killifish	Whole Body	Hexachloroethane	1	19	0	19	6670	ug/kg	60.0	ug/kg	N	0.00900
BIST017	LB031F1702	Gulf killifish	Whole Body	Hexachloroethane	1	19	0	19	6670	ug/kg	500	ug/kg	N	0.0750
BIST017	LB031A1753	Mussels	Shellfish	Hexachloroethane	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST017	LB031A1752	Mussels	Shellfish	Hexachloroethane	I 1A	1	0	1	305	ug/kg	100.0	ug/kg	N	0.328
BIST019	LB061F1902	Gulf killifish	Whole Body	Hexachloroethane	1	42	0	42	608	ug/kg	200	ug/kg	N	0.329

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST019	LB061F1903	Gulf killifish	Whole Body	Hexachloroethane	1	42	0	42	608	ug/kg	20.0	ug/kg	N	0.0329
BIST019	LB061F1901	Gulf killifish	Whole Body	Hexachloroethane	1	42	0	42	608	ug/kg	20.0	ug/kg	N	0.0329
BIST021	LB094F2141	Pinfish	Whole Body	Hexachloroethane	3B	71	0	71	590	ug/kg	25.0	ug/kg	N	0.0424
BIST021	LB093F2101	Striped mullet	Whole Body	Hexachloroethane	3A	71	0	71	590	ug/kg	25.0	ug/kg	N	0.0424
BIST021	LB093F2105	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2103	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2121	Spotted seatrout	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2151	Spotted seatrout	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2104	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2134	Pinfish	Whole Body	Hexachloroethane	3B	71	0	71	590	ug/kg	25.0	ug/kg	N	0.0424
BIST021	LB093F2107	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2102	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2122	Spotted seatrout	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2115	Black Drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2107	Atlantic croaker	Whole Body	Hexachloroethane	3B	71	0	71	590	ug/kg	25.0	ug/kg	N	0.0424
BIST021	LB094F2104	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2108	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2120	Spotted seatrout	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2106	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2124	Spotted seatrout	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB094F2118	Red drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST021	LB093F2103	Gizzard shad	Whole Body	Hexachloroethane	4A	267	0	267	993	ug/kg	25.0	ug/kg	N	0.0252
BIST024	LB131F2408	Gulf killifish	Whole Body	Hexachloroethane	1	50	0	50	509	ug/kg	200	ug/kg	N	0.393
BIST024	LB131F2406	Gulf killifish	Whole Body	Hexachloroethane	1	50	0	50	509	ug/kg	200	ug/kg	N	0.393
BIST024	LB131F2402	Gulf killifish	Whole Body	Hexachloroethane	1	50	0	50	509	ug/kg	100.0	ug/kg	N	0.196
BIST025	LB132F2503	Spot	Whole Body	Hexachloroethane	2B	2	0	2	204	ug/kg	60.0	ug/kg	N	0.294
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Hexachloroethane	1	51	0	51	748	ug/kg	400	ug/kg	N	0.535
BIST025	LB131F2502	Gulf killifish	Whole Body	Hexachloroethane	1	51	0	51	748	ug/kg	200	ug/kg	N	0.267
BIST025	LB132F2501	Gulf menhaden	Whole Body	Hexachloroethane	2A	127	0	127	1460	ug/kg	80.0	ug/kg	N	0.0548
BIST025	LB132F2502	Gulf menhaden	Whole Body	Hexachloroethane	2A	127	0	127	1460	ug/kg	20.0	ug/kg	N	0.0137
BIST026	LB131F2604	Gulf killifish	Whole Body	Hexachloroethane	1	50	0	50	698	ug/kg	100.0	ug/kg	N	0.143
BIST026	LB131F2601	Gulf killifish	Whole Body	Hexachloroethane	1	50	0	50	698	ug/kg	40.0	ug/kg	N	0.0573
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Hexachloroethane	1	33	0	33	435	ug/kg	40.0	ug/kg	N	0.0920
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Hexachloroethane	1	33	0	33	435	ug/kg	200	ug/kg	N	0.460
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Hexachloroethane	1	33	0	33	435	ug/kg	200	ug/kg	N	0.460
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Hexachloroethane	1	32	0	32	3580	ug/kg	40.0	ug/kg	N	0.0112
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Hexachloroethane	1	32	0	32	3580	ug/kg	100.0	ug/kg	N	0.0279
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Hexachloroethane	1	32	0	32	3580	ug/kg	200	ug/kg	N	0.0558
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Hexachloroethane	1	32	0	32	599	ug/kg	20.0	ug/kg	N	0.0334
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Hexachloroethane	1	32	0	32	599	ug/kg	200	ug/kg	N	0.334
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Hexachloroethane	1	32	0	32	599	ug/kg	200	ug/kg	N	0.334
BISTC01	BAYD4C0103	Blue crab	Shellfish	Hexachloroethane	I 2B	71	0	71	574	ug/kg	20.0	ug/kg	N	0.0349
BISTC01	BAYD4C0101	Blue crab	Shellfish	Hexachloroethane	I 2B	71	0	71	574	ug/kg	20.0	ug/kg	N	0.0349
BISTC02	BAYD4C0205	Blue crab	Shellfish	Hexachloroethane	I 2B	79	0	79	566	ug/kg	20.0	ug/kg	N	0.0353
BISTC02	BAYD4C0203	Blue crab	Shellfish	Hexachloroethane	I 2B	79	0	79	566	ug/kg	20.0	ug/kg	N	0.0353
BISTC02	BAYD4C0201	Blue crab	Shellfish	Hexachloroethane	I 2B	79	0	79	566	ug/kg	20.0	ug/kg	N	0.0353
BISTC03	BAYD4C0302	Blue crab	Shellfish	Hexachloroethane	I 2B	109	0	109	1640	ug/kg	20.0	ug/kg	N	0.0122
BISTC05	BAYD4C0502	Blue crab	Shellfish	Hexachloroethane	I 2B	117	0	117	1510	ug/kg	20.0	ug/kg	N	0.0132
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Hexachloroethane	2A	78	0	78	515	ug/kg	1000	ug/kg	N	1.94
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Hexachloroethane	I 2B	83	0	83	516	ug/kg	1000	ug/kg	N	1.94

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Hexachloroethane	3B	128	0	128	1450	ug/kg	1000	ug/kg	N	0.692
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Hexachloroethane	4B	267	0	267	993	ug/kg	500	ug/kg	N	0.504
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Hexachloroethane	3B	128	0	128	1450	ug/kg	1000	ug/kg	N	0.692
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Hexachloroethane	3B	128	0	128	1450	ug/kg	500	ug/kg	N	0.346
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Hexachloroethane	3B	129	0	129	1440	ug/kg	500	ug/kg	N	0.347
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Hexachloroethane	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Hexachloroethane	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Hexachloroethane	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Hexachloroethane	I 1A	1	0	1	285	ug/kg	335	ug/kg	N	1.18
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Hexachloroethane	I 1A	1	0	1	420	ug/kg	335	ug/kg	N	0.798
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Hexachloroethane	I 1A	1	0	1	420	ug/kg	335	ug/kg	N	0.798
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Hexachloroethane	I 1A	1	0	1	485	ug/kg	335	ug/kg	N	0.691
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Hexachloroethane	I 1B	1	0	1	500	ug/kg	335	ug/kg	N	0.670
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Hexachloroethane	I 1B	1	0	1	550	ug/kg	335	ug/kg	N	0.609
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Hexachloroethane	I 1B	3	0	3	363	ug/kg	335	ug/kg	N	0.922
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Hexachloroethane	I 1B	3	0	3	178	ug/kg	335	ug/kg	N	1.88
BIST004	UB041F0402	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	15	1	14	779	ug/kg	20.0	ug/kg	N	0.0257
BIST005	UB051F0518	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB054F0514	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	20.0	ug/kg	N	0.0191
BIST005	UB054F0505	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	33	4	29	647	ug/kg	25.0	ug/kg	N	0.0386
BIST005	UB054F0511	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	33	4	29	647	ug/kg	25.0	ug/kg	N	0.0386
BIST005	UB051F0509	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB051F0512	Sailfin molly	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	80.0	ug/kg	N	0.0931
BIST005	UB051F0516	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	40.0	ug/kg	N	0.0466
BIST005	UB051F0515	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	100.0	ug/kg	N	0.116
BIST005	UB054F0508	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	33	4	29	647	ug/kg	25.0	ug/kg	N	0.0386
BIST005	UB054F0501	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	20.0	ug/kg	N	0.0191
BIST005	UB051F0503	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	40.0	ug/kg	N	0.0466
BIST005	UB054F0506	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	33	4	29	647	ug/kg	25.0	ug/kg	N	0.0386
BIST005	UB054F0502	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB051F0520	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	40.0	ug/kg	N	0.0466
BIST005	UB054F0503	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST005	UB054F0507	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	33	4	29	647	ug/kg	25.0	ug/kg	N	0.0386
BIST005	UB054F0516	Skipjack herring	Whole Body	Indeno(1,2,3-cd)pyrene	3A	33	4	29	647	ug/kg	25.0	ug/kg	N	0.0386
BIST005	UB051F0510	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB051F0504	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	40.0	ug/kg	N	0.0466
BIST005	UB051F0511	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB052F0501	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	33	4	29	647	ug/kg	100.0	ug/kg	N	0.155
BIST005	UB051F0508	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB051F0525	Sailfin molly	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	60.0	ug/kg	N	0.0698
BIST005	UB051F0501	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	40.0	ug/kg	N	0.0466
BIST005	UB051F0502	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	12	2	10	859	ug/kg	20.0	ug/kg	N	0.0233
BIST005	UB054F0515	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST005	UB054F0504	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST006	MB011F0607	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	14	3	11	349	ug/kg	200	ug/kg	N	0.573
BIST006	MB012F0613	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	20.0	ug/kg	N	0.0283
BIST006	MB014F0628	White mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST006	MB014F0615	Sand seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST006	MB014F0601	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0605	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST006	MB014F0603	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST006	MB012F0610	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	60.0	ug/kg	N	0.0848
BIST006	MB014F0602	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST006	MB012F0606	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	60.0	ug/kg	N	0.0848
BIST006	MB012F0619	Spot	Whole Body	Indeno(1,2,3-cd)pyrene	2B	3	1	2	292	ug/kg	60.0	ug/kg	N	0.206
BIST006	MB012F0611	Spot	Whole Body	Indeno(1,2,3-cd)pyrene	2B	3	1	2	292	ug/kg	60.0	ug/kg	N	0.206
BIST006	MB012F0602	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	60.0	ug/kg	N	0.0848
BIST006	MB012F0609	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	160	ug/kg	N	0.226
BIST006	MB014F0608	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST006	MB012F0601	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	80.0	ug/kg	N	0.113
BIST006	MB012F0603	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	31	3	28	707	ug/kg	40.0	ug/kg	N	0.0565
BIST006	MB011F0615	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	14	3	11	349	ug/kg	200	ug/kg	N	0.573
BIST006	MB014F0604	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST006	MB014F0612	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST006	MB012F0607	Spot	Whole Body	Indeno(1,2,3-cd)pyrene	2B	3	1	2	292	ug/kg	80.0	ug/kg	N	0.274
BIST006	MB014F0630	Sand seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	31	3	28	707	ug/kg	25.0	ug/kg	N	0.0353
BIST007	MB011F0704	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	11	3	8	436	ug/kg	200	ug/kg	N	0.458
BIST008	MB031V0811	Shrimp	Shellfish	Indeno(1,2,3-cd)pyrene	I 2A	47	4	43	559	ug/kg	200	ug/kg	N	0.358
BIST008	MB031V0816	Shrimp	Shellfish	Indeno(1,2,3-cd)pyrene	I 2A	47	4	43	559	ug/kg	20.0	ug/kg	N	0.0358
BIST008	MB031V0813	Shrimp	Shellfish	Indeno(1,2,3-cd)pyrene	I 2A	47	4	43	559	ug/kg	200	ug/kg	N	0.358
BIST008	MB031V0812	Shrimp	Shellfish	Indeno(1,2,3-cd)pyrene	I 2A	47	4	43	559	ug/kg	2000	ug/kg	N	3.58
BIST008	MB031V0801	Shrimp	Shellfish	Indeno(1,2,3-cd)pyrene	I 2A	47	4	43	559	ug/kg	200	ug/kg	N	0.358
BIST011	LB011F1101	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	28	5	23	540	ug/kg	200	ug/kg	N	0.370
BIST011	LB011F1105	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	28	5	23	540	ug/kg	200	ug/kg	N	0.370
BIST011	LB011F1103	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	28	5	23	540	ug/kg	200	ug/kg	N	0.370
BIST012	LB011F1202	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	31	5	26	583	ug/kg	100.0	ug/kg	N	0.171
BIST012	LB011F1201	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	31	5	26	583	ug/kg	200	ug/kg	N	0.343
BIST012	LB011F1204	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	31	5	26	583	ug/kg	20.0	ug/kg	N	0.0343
BIST013	LB011F1301	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	32	6	26	507	ug/kg	100.0	ug/kg	N	0.197
BIST013	LB011F1302	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	32	6	26	507	ug/kg	40.0	ug/kg	N	0.0789
BIST013	LB011F1305	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	32	6	26	507	ug/kg	100.0	ug/kg	N	0.197
BIST015	LB032F1506	Spot	Whole Body	Indeno(1,2,3-cd)pyrene	2B	4	1	3	3200	ug/kg	40.0	ug/kg	N	0.0125
BIST015	LB031F1506	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	40	6	34	3700	ug/kg	100.0	ug/kg	N	0.0270
BIST015	LB032F1505	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	127	16	111	1530	ug/kg	60.0	ug/kg	N	0.0393
BIST015	LB032F1501	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	127	16	111	1530	ug/kg	80.0	ug/kg	N	0.0524
BIST015	LB031F1504	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	40	6	34	3700	ug/kg	200	ug/kg	N	0.0541
BIST015	LB031F1502	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	40	6	34	3700	ug/kg	100.0	ug/kg	N	0.0270
BIST015	LB032F1503	Threadfin shad	Whole Body	Indeno(1,2,3-cd)pyrene	2A	127	16	111	1530	ug/kg	80.0	ug/kg	N	0.0524
BIST015	LB033F1511	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST015	LB033F1518	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1506	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1509	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1517	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1515	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1508	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1502	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB034F1502	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST015	LB034F1505	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1504	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1507	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1512	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST015	LB034F1504	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	3B	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB034F1501	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST015	LB033F1505	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB032F1507	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	127	16	111	1530	ug/kg	40.0	ug/kg	N	0.0262
BIST015	LB034F1506	Atlantic croaker	Whole Body	Indeno(1,2,3-cd)pyrene	3B	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1503	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	127	16	111	1530	ug/kg	25.0	ug/kg	N	0.0164
BIST015	LB033F1510	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST015	LB033F1513	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST016	LB031F1610	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	53	10	43	2910	ug/kg	20.0	ug/kg	N	0.00687
BIST016	LB031F1601	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	53	10	43	2910	ug/kg	200	ug/kg	N	0.0687
BIST016	LB031F1602	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	53	10	43	2910	ug/kg	20.0	ug/kg	N	0.00687
BIST017	LB031F1704	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	19	3	16	6940	ug/kg	40.0	ug/kg	N	0.00576
BIST017	LB031F1703	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	19	3	16	6940	ug/kg	60.0	ug/kg	N	0.00864
BIST019	LB061F1902	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	40	7	33	621	ug/kg	200	ug/kg	N	0.322
BIST019	LB061F1901	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	40	7	33	621	ug/kg	20.0	ug/kg	N	0.0322
BIST019	LB061F1903	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	40	7	33	621	ug/kg	20.0	ug/kg	N	0.0322
BIST021	LB094F2121	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB093F2108	Gizzard shad	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB093F2106	Gizzard shad	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB094F2107	Atlantic croaker	Whole Body	Indeno(1,2,3-cd)pyrene	3B	68	7	61	603	ug/kg	25.0	ug/kg	N	0.0415
BIST021	LB094F2134	Pinfish	Whole Body	Indeno(1,2,3-cd)pyrene	3B	68	7	61	603	ug/kg	25.0	ug/kg	N	0.0415
BIST021	LB094F2104	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB093F2107	Gizzard shad	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB093F2104	Gizzard shad	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB094F2118	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB093F2101	Striped mullet	Whole Body	Indeno(1,2,3-cd)pyrene	3A	68	7	61	603	ug/kg	25.0	ug/kg	N	0.0415
BIST021	LB093F2102	Gizzard shad	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB093F2105	Gizzard shad	Whole Body	Indeno(1,2,3-cd)pyrene	4A	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB094F2120	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB094F2122	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB094F2141	Pinfish	Whole Body	Indeno(1,2,3-cd)pyrene	3B	68	7	61	603	ug/kg	25.0	ug/kg	N	0.0415
BIST021	LB094F2103	Red drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST021	LB094F2124	Spotted seatrout	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	25.0	ug/kg	N	0.0239
BIST024	LB131F2406	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	48	5	43	527	ug/kg	200	ug/kg	N	0.380
BIST024	LB131F2402	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	48	5	43	527	ug/kg	100.0	ug/kg	N	0.190
BIST024	LB131F2408	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	48	5	43	527	ug/kg	200	ug/kg	N	0.380
BIST025	LB132F2503	Spot	Whole Body	Indeno(1,2,3-cd)pyrene	2B	2	1	1	227	ug/kg	60.0	ug/kg	N	0.264
BIST025	LB132F2501	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	119	16	103	1600	ug/kg	80.0	ug/kg	N	0.0502
BIST025	LB131F2502	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	48	6	42	802	ug/kg	200	ug/kg	N	0.249
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Indeno(1,2,3-cd)pyrene	1	48	6	42	802	ug/kg	400	ug/kg	N	0.499
BIST025	LB132F2502	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	119	16	103	1600	ug/kg	20.0	ug/kg	N	0.0125
BIST026	LB131F2604	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	43	9	34	815	ug/kg	100.0	ug/kg	N	0.123
BIST026	LB131F2601	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	43	9	34	815	ug/kg	40.0	ug/kg	N	0.0491
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	27	5	22	529	ug/kg	200	ug/kg	N	0.378
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	27	5	22	529	ug/kg	200	ug/kg	N	0.378
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	27	5	22	529	ug/kg	40.0	ug/kg	N	0.0756
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	26	5	21	4420	ug/kg	40.0	ug/kg	N	0.00905
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	26	5	21	4420	ug/kg	200	ug/kg	N	0.0453

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	26	5	21	735	ug/kg	200	ug/kg	N	0.272
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	26	5	21	735	ug/kg	20.0	ug/kg	N	0.0272
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Indeno(1,2,3-cd)pyrene	1	26	5	21	735	ug/kg	200	ug/kg	N	0.272
BISTC01	BAYD4C0103	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	68	8	60	587	ug/kg	20.0	ug/kg	N	0.0341
BISTC01	BAYD4C0101	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	68	8	60	587	ug/kg	20.0	ug/kg	N	0.0341
BISTC02	BAYD4C0201	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	75	8	67	584	ug/kg	20.0	ug/kg	N	0.0342
BISTC02	BAYD4C0205	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	75	8	67	584	ug/kg	20.0	ug/kg	N	0.0342
BISTC02	BAYD4C0203	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	75	8	67	584	ug/kg	20.0	ug/kg	N	0.0342
BISTC03	BAYD4C0302	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	105	11	94	1740	ug/kg	20.0	ug/kg	N	0.0115
BISTC05	BAYD4C0502	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	110	13	97	1650	ug/kg	20.0	ug/kg	N	0.0121
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Indeno(1,2,3-cd)pyrene	2A	74	5	69	543	ug/kg	1000	ug/kg	N	1.84
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 2B	76	6	70	563	ug/kg	1000	ug/kg	N	1.78
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Indeno(1,2,3-cd)pyrene	3B	121	16	105	1570	ug/kg	1000	ug/kg	N	0.638
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Indeno(1,2,3-cd)pyrene	3B	121	16	105	1570	ug/kg	500	ug/kg	N	0.319
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Indeno(1,2,3-cd)pyrene	4B	257	25	232	1050	ug/kg	500	ug/kg	N	0.477
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Indeno(1,2,3-cd)pyrene	3B	121	16	105	1570	ug/kg	1000	ug/kg	N	0.638
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Indeno(1,2,3-cd)pyrene	3B	121	16	105	1570	ug/kg	500	ug/kg	N	0.318
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Indeno(1,2,3-cd)pyrene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Indeno(1,2,3-cd)pyrene	I 1A	1	0	1	285	ug/kg	0.790	ug/kg	Y	0.00277
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Indeno(1,2,3-cd)pyrene	I 1A	1	0	1	285	ug/kg	1.10	ug/kg	Y	0.00386
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Indeno(1,2,3-cd)pyrene	I 1A	1	0	1	420	ug/kg	0.710	ug/kg	Y	0.00169
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Indeno(1,2,3-cd)pyrene	I 1A	1	0	1	420	ug/kg	0.810	ug/kg	Y	0.00193
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Indeno(1,2,3-cd)pyrene	I 1A	1	0	1	485	ug/kg	1.00	ug/kg	Y	0.00206
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 1B	1	0	1	500	ug/kg	0.360	ug/kg	Y	0.000720
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 1B	1	0	1	550	ug/kg	1.70	ug/kg	Y	0.00309
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 1B	3	0	3	363	ug/kg	3.10	ug/kg	Y	0.00853
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Indeno(1,2,3-cd)pyrene	I 1B	3	1	2	80.0	ug/kg	1.40	ug/kg	Y	0.0175
BIST004	UB041F0402	Gulf killifish	Whole Body	Lead	1	14	14	0	27.1	mg/kg	0.0100	mg/kg	N	0.000369
BIST004	UB041F0404	Gulf killifish	Whole Body	Lead	1	14	14	0	27.1	mg/kg	0.0900	mg/kg	Y	0.00332
BIST004	UB041F0401	Gulf killifish	Whole Body	Lead	1	14	14	0	27.1	mg/kg	0.110	mg/kg	Y	0.00406
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.240	mg/kg	Y	0.00613
BIST005	UB054F0507	Spotted seatrout	Whole Body	Lead	3B	33	33	0	30.7	mg/kg	0.0200	mg/kg	N	0.000651
BIST005	UB051F0523	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.0100	mg/kg	N	0.000255
BIST005	UB051F0511	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.510	mg/kg	Y	0.0130
BIST005	UB051F0502	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.0700	mg/kg	Y	0.00179
BIST005	UB054F0506	Spotted seatrout	Whole Body	Lead	3B	33	33	0	30.7	mg/kg	0.0200	mg/kg	N	0.000651
BIST005	UB054F0508	Spotted seatrout	Whole Body	Lead	3B	33	33	0	30.7	mg/kg	0.0200	mg/kg	N	0.000651
BIST005	UB051F0505	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.200	mg/kg	Y	0.00511
BIST005	UB054F0505	Spotted seatrout	Whole Body	Lead	3B	33	33	0	30.7	mg/kg	0.0200	mg/kg	N	0.000651
BIST005	UB054F0511	Spotted seatrout	Whole Body	Lead	3B	33	33	0	30.7	mg/kg	0.0200	mg/kg	N	0.000651
BIST005	UB051F0525	Sailfin molly	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.230	mg/kg	Y	0.00588
BIST005	UB051F0508	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.0100	mg/kg	N	0.000255
BIST005	UB054F0501	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0600	mg/kg	Y	0.000871
BIST005	UB054F0515	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST005	UB051F0509	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.120	mg/kg	Y	0.00307
BIST005	UB054F0504	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST005	UB051F0503	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.170	mg/kg	Y	0.00434
BIST005	UB051F0501	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.110	mg/kg	Y	0.00281
BIST005	UB051F0518	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.200	mg/kg	Y	0.00511

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0502	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST005	UB051F0520	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.170	mg/kg	Y	0.00434
BIST005	UB051F0512	Sailfin molly	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.170	mg/kg	Y	0.00434
BIST005	UB054F0514	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0100	mg/kg	N	0.000145
BIST005	UB051F0516	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.130	mg/kg	Y	0.00332
BIST005	UB051F0510	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.100	mg/kg	Y	0.00255
BIST005	UB051F0504	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.0200	mg/kg	Y	0.000511
BIST005	UB052F0501	Gulf menhaden	Whole Body	Lead	2A	33	33	0	30.7	mg/kg	0.740	mg/kg	Y	0.0241
BIST005	UB054F0503	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST005	UB051F0515	Gulf killifish	Whole Body	Lead	1	13	13	0	39.1	mg/kg	0.140	mg/kg	Y	0.00358
BIST005	UB054F0516	Skipjack herring	Whole Body	Lead	3A	33	33	0	30.7	mg/kg	0.0400	mg/kg	Y	0.00130
BIST006	MB011F0607	Gulf killifish	Whole Body	Lead	1	15	15	0	23.3	mg/kg	0.0800	mg/kg	N	0.00343
BIST006	MB014F0628	White mullet	Whole Body	Lead	3A	32	31	1	33.1	mg/kg	0.290	mg/kg	Y	0.00876
BIST006	MB012F0601	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.750	mg/kg	Y	0.0227
BIST006	MB014F0605	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0500	mg/kg	Y	0.000726
BIST006	MB011F0624	Gulf killifish	Whole Body	Lead	1	15	15	0	23.3	mg/kg	0.0300	mg/kg	Y	0.00129
BIST006	MB012F0607	Spot	Whole Body	Lead	2B	3	3	0	29.8	mg/kg	0.110	mg/kg	Y	0.00370
BIST006	MB012F0611	Spot	Whole Body	Lead	2B	3	3	0	29.8	mg/kg	0.120	mg/kg	Y	0.00403
BIST006	MB014F0601	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST006	MB012F0619	Spot	Whole Body	Lead	2B	3	3	0	29.8	mg/kg	0.110	mg/kg	Y	0.00370
BIST006	MB012F0602	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.440	mg/kg	Y	0.0133
BIST006	MB014F0603	Spotted seatrout	Whole Body	Lead	3B	32	31	1	33.1	mg/kg	0.0200	mg/kg	N	0.000604
BIST006	MB012F0610	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.740	mg/kg	Y	0.0224
BIST006	MB012F0606	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.780	mg/kg	Y	0.0236
BIST006	MB011F0605	Gulf killifish	Whole Body	Lead	1	15	15	0	23.3	mg/kg	0.0700	mg/kg	Y	0.00300
BIST006	MB014F0612	Spotted seatrout	Whole Body	Lead	3B	32	31	1	33.1	mg/kg	0.0200	mg/kg	N	0.000604
BIST006	MB011F0616	Gulf killifish	Whole Body	Lead	1	15	15	0	23.3	mg/kg	0.0550	mg/kg	N	0.00236
BIST006	MB014F0630	Sand seatrout	Whole Body	Lead	3B	32	31	1	33.1	mg/kg	0.0500	mg/kg	Y	0.00151
BIST006	MB012F0613	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.480	mg/kg	Y	0.0145
BIST006	MB012F0605	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.650	mg/kg	Y	0.0196
BIST006	MB011F0615	Gulf killifish	Whole Body	Lead	1	15	15	0	23.3	mg/kg	0.0850	mg/kg	N	0.00365
BIST006	MB014F0608	Spotted seatrout	Whole Body	Lead	3B	32	31	1	33.1	mg/kg	0.0200	mg/kg	N	0.000604
BIST006	MB012F0604	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.490	mg/kg	Y	0.0148
BIST006	MB012F0609	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.710	mg/kg	Y	0.0215
BIST006	MB014F0615	Sand seatrout	Whole Body	Lead	3B	32	31	1	33.1	mg/kg	0.0200	mg/kg	N	0.000604
BIST006	MB012F0603	Gulf menhaden	Whole Body	Lead	2A	32	31	1	33.1	mg/kg	0.760	mg/kg	Y	0.0230
BIST006	MB014F0604	Spotted seatrout	Whole Body	Lead	3B	32	31	1	33.1	mg/kg	0.0200	mg/kg	N	0.000604
BIST006	MB014F0602	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0900	mg/kg	Y	0.00131
BIST007	MB011F0703	Gulf killifish	Whole Body	Lead	1	12	12	0	37.6	mg/kg	0.110	mg/kg	Y	0.00292
BIST007	MB011F0702	Gulf killifish	Whole Body	Lead	1	12	12	0	37.6	mg/kg	0.0500	mg/kg	Y	0.00133
BIST007	MB011F0706	Gulf killifish	Whole Body	Lead	1	12	12	0	37.6	mg/kg	0.110	mg/kg	Y	0.00292
BIST007	MB011F0704	Gulf killifish	Whole Body	Lead	1	12	12	0	37.6	mg/kg	0.130	mg/kg	Y	0.00345
BIST007	MB011F0708	Gulf killifish	Whole Body	Lead	1	12	12	0	37.6	mg/kg	0.0900	mg/kg	Y	0.00239
BIST008	MB031V0808	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.140	mg/kg	Y	0.00350
BIST008	MB031V0801	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.140	mg/kg	Y	0.00350
BIST008	MB031V0802	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.130	mg/kg	Y	0.00325
BIST008	MB031F0804	Gulf killifish	Whole Body	Lead	1	20	18	2	38.2	mg/kg	0.140	mg/kg	Y	0.00367
BIST008	MB031V0817	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.270	mg/kg	Y	0.00675
BIST008	MB031F0811	Gulf killifish	Whole Body	Lead	1	20	18	2	38.2	mg/kg	0.0600	mg/kg	Y	0.00157
BIST008	MB031V0812	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.190	mg/kg	Y	0.00475

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031F0805	Gulf killifish	Whole Body	Lead	1	20	18	2	38.2	mg/kg	0.180	mg/kg	Y	0.00471
BIST008	MB031V0813	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.170	mg/kg	Y	0.00425
BIST008	MB031V0807	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.120	mg/kg	Y	0.00300
BIST008	MB031F0806	Gulf killifish	Whole Body	Lead	1	20	18	2	38.2	mg/kg	0.250	mg/kg	Y	0.00655
BIST008	MB031V0803	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.180	mg/kg	Y	0.00450
BIST008	MB031V0810	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.140	mg/kg	Y	0.00350
BIST008	MB031F0803	Gulf killifish	Whole Body	Lead	1	20	18	2	38.2	mg/kg	0.130	mg/kg	Y	0.00340
BIST008	MB031V0819	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.150	mg/kg	Y	0.00375
BIST008	MB031V0811	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.160	mg/kg	Y	0.00400
BIST008	MB031V0816	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.180	mg/kg	Y	0.00450
BIST008	MB031V0818	Shrimp	Shellfish	Lead	I 2A	47	43	4	40.0	mg/kg	0.140	mg/kg	Y	0.00350
BIST010	MB031F1013	Gulf killifish	Whole Body	Lead	1	20	18	2	35.5	mg/kg	0.160	mg/kg	Y	0.00451
BIST010	MB031F1009	Gulf killifish	Whole Body	Lead	1	20	18	2	35.5	mg/kg	0.120	mg/kg	Y	0.00338
BIST010	MB031F1001	Gulf killifish	Whole Body	Lead	1	20	18	2	35.5	mg/kg	0.200	mg/kg	Y	0.00564
BIST010	MB031F1004	Gulf killifish	Whole Body	Lead	1	20	18	2	35.5	mg/kg	0.360	mg/kg	Y	0.0101
BIST010	MB031F1006	Gulf killifish	Whole Body	Lead	1	20	18	2	35.5	mg/kg	0.140	mg/kg	Y	0.00395
BIST011	LB011F1105	Gulf killifish	Whole Body	Lead	1	30	27	3	97.4	mg/kg	0.560	mg/kg	Y	0.00575
BIST011	LB011F1101	Gulf killifish	Whole Body	Lead	1	30	27	3	97.4	mg/kg	1.10	mg/kg	Y	0.0113
BIST011	LB011F1103	Gulf killifish	Whole Body	Lead	1	30	27	3	97.4	mg/kg	0.870	mg/kg	Y	0.00893
BIST012	LB011F1201	Gulf killifish	Whole Body	Lead	1	35	32	3	86.8	mg/kg	0.690	mg/kg	Y	0.00795
BIST012	LB011F1204	Gulf killifish	Whole Body	Lead	1	35	32	3	86.8	mg/kg	0.730	mg/kg	Y	0.00841
BIST012	LB011F1202	Gulf killifish	Whole Body	Lead	1	35	32	3	86.8	mg/kg	0.800	mg/kg	Y	0.00921
BIST013	LB011F1302	Gulf killifish	Whole Body	Lead	1	37	34	3	87.7	mg/kg	0.680	mg/kg	Y	0.00775
BIST013	LB011F1301	Gulf killifish	Whole Body	Lead	1	37	34	3	87.7	mg/kg	0.610	mg/kg	Y	0.00695
BIST013	LB011F1305	Gulf killifish	Whole Body	Lead	1	37	34	3	87.7	mg/kg	0.530	mg/kg	Y	0.00604
BIST015	LB032F1506	Spot	Whole Body	Lead	2B	4	4	0	88.2	mg/kg	0.780	mg/kg	Y	0.00885
BIST015	LB032F1503	Threadfin shad	Whole Body	Lead	2A	132	128	4	100	mg/kg	0.700	mg/kg	Y	0.00699
BIST015	LB032F1502	Gulf menhaden	Whole Body	Lead	2A	132	128	4	100	mg/kg	1.30	mg/kg	Y	0.0130
BIST015	LB031F1506	Gulf killifish	Whole Body	Lead	1	40	40	0	113	mg/kg	0.340	mg/kg	Y	0.00300
BIST015	LB032F1504	Spot	Whole Body	Lead	2B	4	4	0	88.2	mg/kg	0.210	mg/kg	Y	0.00238
BIST015	LB031F1504	Gulf killifish	Whole Body	Lead	1	40	40	0	113	mg/kg	0.310	mg/kg	Y	0.00273
BIST015	LB031F1502	Gulf killifish	Whole Body	Lead	1	40	40	0	113	mg/kg	0.390	mg/kg	Y	0.00344
BIST015	LB032F1505	Gulf menhaden	Whole Body	Lead	2A	132	128	4	100	mg/kg	1.40	mg/kg	Y	0.0140
BIST015	LB032F1501	Gulf menhaden	Whole Body	Lead	2A	132	128	4	100	mg/kg	0.680	mg/kg	Y	0.00679
BIST015	LB034F1504	Spotted seatrout	Whole Body	Lead	3B	132	128	4	100	mg/kg	0.0500	mg/kg	Y	0.000499
BIST015	LB032F1508	Threadfin shad	Whole Body	Lead	2A	132	128	4	100	mg/kg		mg/kg	N	
BIST015	LB033F1513	Striped mullet	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	2.90	mg/kg	Y	0.0421
BIST015	LB034F1501	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0700	mg/kg	Y	0.00102
BIST015	LB034F1505	Spotted seatrout	Whole Body	Lead	3B	132	128	4	100	mg/kg	0.0500	mg/kg	Y	0.000499
BIST015	LB033F1506	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.160	mg/kg	Y	0.00160
BIST015	LB033F1515	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	1.00	mg/kg	Y	0.00999
BIST015	LB033F1518	Gulf menhaden	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.760	mg/kg	Y	0.00759
BIST015	LB033F1512	Striped mullet	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	1.10	mg/kg	Y	0.0160
BIST015	LB033F1507	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.650	mg/kg	Y	0.00649
BIST015	LB033F1514	Striped mullet	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.180	mg/kg	Y	0.00261
BIST015	LB033F1505	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	1.50	mg/kg	Y	0.0150
BIST015	LB034F1502	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0600	mg/kg	Y	0.000871
BIST015	LB033F1508	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	1.20	mg/kg	Y	0.0120
BIST015	LB033F1516	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	1.50	mg/kg	Y	0.0150
BIST015	LB033F1502	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.500	mg/kg	Y	0.00499

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1517	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.470	mg/kg	Y	0.00469
BIST015	LB032F1507	Gulf menhaden	Whole Body	Lead	2A	132	128	4	100	mg/kg	1.70	mg/kg	Y	0.0170
BIST015	LB034F1503	Spotted seatrout	Whole Body	Lead	3B	132	128	4	100	mg/kg	0.0500	mg/kg	Y	0.000499
BIST015	LB033F1510	Striped mullet	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.660	mg/kg	Y	0.00958
BIST015	LB034F1506	Atlantic croaker	Whole Body	Lead	3B	132	128	4	100	mg/kg	0.0700	mg/kg	Y	0.000699
BIST015	LB033F1504	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.970	mg/kg	Y	0.00969
BIST015	LB033F1511	Striped mullet	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	1.20	mg/kg	Y	0.0174
BIST015	LB033F1509	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.280	mg/kg	Y	0.00280
BIST015	LB033F1501	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	1.30	mg/kg	Y	0.0130
BIST015	LB033F1503	Striped mullet	Whole Body	Lead	3A	132	128	4	100	mg/kg	0.610	mg/kg	Y	0.00609
BIST016	LB031F1610	Gulf killifish	Whole Body	Lead	1	51	50	1	94.5	mg/kg	0.0750	mg/kg	N	0.000794
BIST016	LB031F1601	Gulf killifish	Whole Body	Lead	1	51	50	1	94.5	mg/kg	0.0650	mg/kg	N	0.000688
BIST016	LB031F1602	Gulf killifish	Whole Body	Lead	1	51	50	1	94.5	mg/kg	0.0850	mg/kg	N	0.000899
BIST017	LB031F1702	Gulf killifish	Whole Body	Lead	1	18	18	0	163	mg/kg	0.0300	mg/kg	N	0.000184
BIST017	LB031A1753	Mussels	Shellfish	Lead	I 1A	1	1	0	744	mg/kg	0.0700	mg/kg	N	0.0000941
BIST017	LB031A1754	Mussels	Shellfish	Lead	I 1A	1	1	0	744	mg/kg	0.160	mg/kg	Y	0.000215
BIST017	LB031A1752	Mussels	Shellfish	Lead	I 1A	1	1	0	744	mg/kg	0.210	mg/kg	Y	0.000282
BIST017	LB031F1704	Gulf killifish	Whole Body	Lead	1	18	18	0	163	mg/kg	0.0300	mg/kg	N	0.000184
BIST017	LB031F1703	Gulf killifish	Whole Body	Lead	1	18	18	0	163	mg/kg	0.0600	mg/kg	N	0.000368
BIST019	LB061F1901	Gulf killifish	Whole Body	Lead	1	39	37	2	68.2	mg/kg	0.280	mg/kg	Y	0.00410
BIST019	LB061F1902	Gulf killifish	Whole Body	Lead	1	39	37	2	68.2	mg/kg	0.0750	mg/kg	N	0.00110
BIST019	LB061F1903	Gulf killifish	Whole Body	Lead	1	39	37	2	68.2	mg/kg	0.105	mg/kg	N	0.00154
BIST021	LB094F2103	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST021	LB094F2120	Spotted seatrout	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST021	LB094F2118	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST021	LB093F2106	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.290	mg/kg	Y	0.00421
BIST021	LB094F2101	Spotted seatrout	Whole Body	Lead	3B	69	66	3	72.2	mg/kg	0.0200	mg/kg	N	0.000277
BIST021	LB094F2115	Black Drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0500	mg/kg	Y	0.000726
BIST021	LB093F2103	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.580	mg/kg	Y	0.00842
BIST021	LB094F2107	Atlantic croaker	Whole Body	Lead	3B	69	66	3	72.2	mg/kg	0.0200	mg/kg	N	0.000277
BIST021	LB094F2122	Spotted seatrout	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0400	mg/kg	Y	0.000581
BIST021	LB093F2108	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	1.30	mg/kg	Y	0.0189
BIST021	LB093F2101	Striped mullet	Whole Body	Lead	3A	69	66	3	72.2	mg/kg	0.240	mg/kg	Y	0.00333
BIST021	LB094F2124	Spotted seatrout	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0500	mg/kg	Y	0.000726
BIST021	LB094F2104	Red drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST021	LB093F2104	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.0600	mg/kg	Y	0.000871
BIST021	LB093F2105	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.190	mg/kg	Y	0.00276
BIST021	LB093F2107	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.0700	mg/kg	Y	0.00102
BIST021	LB094F2141	Pinfish	Whole Body	Lead	3B	69	66	3	72.2	mg/kg	0.160	mg/kg	Y	0.00222
BIST021	LB094F2134	Pinfish	Whole Body	Lead	3B	69	66	3	72.2	mg/kg	0.120	mg/kg	Y	0.00166
BIST021	LB094F2121	Spotted seatrout	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0200	mg/kg	N	0.000290
BIST021	LB093F2102	Gizzard shad	Whole Body	Lead	4A	262	247	15	68.9	mg/kg	0.0900	mg/kg	Y	0.00131
BIST021	LB094F2151	Spotted seatrout	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.0600	mg/kg	Y	0.000871
BIST024	LB131F2402	Gulf killifish	Whole Body	Lead	1	49	47	2	64.6	mg/kg	0.330	mg/kg	Y	0.00511
BIST024	LB131F2406	Gulf killifish	Whole Body	Lead	1	49	47	2	64.6	mg/kg	4.30	mg/kg	Y	0.0666
BIST024	LB131F2408	Gulf killifish	Whole Body	Lead	1	49	47	2	64.6	mg/kg	0.280	mg/kg	Y	0.00434
BIST025	LB132F2501	Gulf menhaden	Whole Body	Lead	2A	122	115	7	82.0	mg/kg	0.970	mg/kg	Y	0.0118
BIST025	LB131F2501	Gulf killifish	Whole Body	Lead	1	49	48	1	75.3	mg/kg	0.510	mg/kg	Y	0.00677
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Lead	1	49	48	1	75.3	mg/kg	0.610	mg/kg	Y	0.00810
BIST025	LB131F2502	Gulf killifish	Whole Body	Lead	1	49	48	1	75.3	mg/kg	0.520	mg/kg	Y	0.00691

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST025	LB132F2503	Spot	Whole Body	Lead	2B	2	2	0	39.4	mg/kg	0.220	mg/kg	Y	0.00559
BIST025	LB132F2502	Gulf menhaden	Whole Body	Lead	2A	122	115	7	82.0	mg/kg	0.480	mg/kg	Y	0.00585
BIST026	LB131F2604	Gulf killifish	Whole Body	Lead	1	48	47	1	92.2	mg/kg	0.300	mg/kg	Y	0.00325
BIST026	LB131F2601	Gulf killifish	Whole Body	Lead	1	48	47	1	92.2	mg/kg	0.410	mg/kg	Y	0.00445
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Lead	1	32	30	2	92.3	mg/kg	0.820	mg/kg	Y	0.00889
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Lead	1	32	30	2	92.3	mg/kg	1.10	mg/kg	Y	0.0119
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Lead	1	32	30	2	92.3	mg/kg	1.20	mg/kg	Y	0.0130
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Lead	1	30	29	1	99.6	mg/kg	0.590	mg/kg	Y	0.00592
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Lead	1	30	29	1	99.6	mg/kg	0.590	mg/kg	Y	0.00592
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Lead	1	30	29	1	99.6	mg/kg	0.510	mg/kg	Y	0.00512
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Lead	1	31	29	2	104	mg/kg	1.10	mg/kg	Y	0.0106
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Lead	1	31	29	2	104	mg/kg	0.780	mg/kg	Y	0.00752
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Lead	1	31	29	2	104	mg/kg	0.970	mg/kg	Y	0.00935
BISTC01	BAYD4C0101	Blue crab	Shellfish	Lead	I 2B	69	66	3	53.1	mg/kg	0.140	mg/kg	Y	0.00264
BISTC01	BAYD4C0103	Blue crab	Shellfish	Lead	I 2B	69	66	3	53.1	mg/kg	0.0500	mg/kg	Y	0.000942
BISTC02	BAYD4C0203	Blue crab	Shellfish	Lead	I 2B	77	74	3	54.5	mg/kg	0.0100	mg/kg	N	0.000183
BISTC02	BAYD4C0201	Blue crab	Shellfish	Lead	I 2B	77	74	3	54.5	mg/kg	0.0100	mg/kg	N	0.000183
BISTC02	BAYD4C0205	Blue crab	Shellfish	Lead	I 2B	77	74	3	54.5	mg/kg	0.120	mg/kg	Y	0.00220
BISTC03	BAYD4C0302	Blue crab	Shellfish	Lead	I 2B	105	102	3	84.1	mg/kg	0.0100	mg/kg	N	0.000119
BISTC05	BAYD4C0502	Blue crab	Shellfish	Lead	I 2B	113	104	9	81.1	mg/kg	0.0700	mg/kg	Y	0.000863
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Lead	2A	77	66	11	63.7	mg/kg	1.50	mg/kg	Y	0.0236
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Lead	I 2B	81	72	9	66.8	mg/kg	0.670	mg/kg	Y	0.0100
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Lead	4B	262	247	15	68.9	mg/kg	0.490	mg/kg	Y	0.00712
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Lead	3B	123	117	6	88.2	mg/kg	0.270	mg/kg	Y	0.00306
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Lead	3B	123	117	6	88.2	mg/kg	0.250	mg/kg	Y	0.00283
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Lead	3B	123	117	6	88.2	mg/kg	0.270	mg/kg	Y	0.00306
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Lead	3B	124	117	7	87.1	mg/kg	0.400	mg/kg	N	0.00459
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Lead	I 1A	1	1	0	27.9	mg/kg	0.330	mg/kg	Y	0.0118
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Lead	I 1B	2	2	0	58.4	mg/kg	0.400	mg/kg	N	0.00686
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Lead	I 1A	1	1	0	12.9	mg/kg	0.235	mg/kg	N	0.0182
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Lead	I 1A	1	1	0	12.9	mg/kg	0.240	mg/kg	N	0.0186
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Lead	I 1A	1	1	0	42.2	mg/kg	0.245	mg/kg	N	0.00581
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Lead	I 1A	1	1	0	42.2	mg/kg	0.215	mg/kg	N	0.00509
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Lead	I 1A	1	0	1	13.0	mg/kg	0.240	mg/kg	N	0.0185
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Lead	I 1B	1	1	0	63.3	mg/kg	0.470	mg/kg	Y	0.00742
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Lead	I 1B	1	1	0	264	mg/kg	2.20	mg/kg	Y	0.00833
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Lead	I 1B	3	3	0	111	mg/kg	2.00	mg/kg	Y	0.0180
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Lead	I 1B	3	3	0	49.2	mg/kg	1.40	mg/kg	Y	0.0284
BIST004	UB041F0402	Gulf killifish	Whole Body	Mercury	1	14	12	2	0.199	mg/kg	0.0510	mg/kg	Y	0.256
BIST004	UB041F0404	Gulf killifish	Whole Body	Mercury	1	14	12	2	0.199	mg/kg	0.0310	mg/kg	Y	0.156
BIST004	UB041F0401	Gulf killifish	Whole Body	Mercury	1	14	12	2	0.199	mg/kg	0.0450	mg/kg	Y	0.226
BIST005	UB054F0505	Spotted seatrout	Whole Body	Mercury	3B	33	29	4	0.251	mg/kg	0.177	mg/kg	Y	0.706
BIST005	UB051F0509	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0490	mg/kg	Y	0.221
BIST005	UB054F0502	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.173	mg/kg	Y	0.0877
BIST005	UB054B0503	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.193	mg/kg	Y	0.322
BIST005	UB054B0506	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.207	mg/kg	Y	0.345
BIST005	UB051F0501	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.114	mg/kg	Y	0.515
BIST005	UB054B0501	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.392	mg/kg	Y	0.653
BIST005	UB051F0523	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0540	mg/kg	Y	0.244
BIST005	UB051F0502	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0710	mg/kg	Y	0.321

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0506	Spotted seatrout	Whole Body	Mercury	3B	33	29	4	0.251	mg/kg	0.137	mg/kg	Y	0.547
BIST005	UB051F0508	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0570	mg/kg	Y	0.257
BIST005	UB051F0525	Sailfin molly	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0210	mg/kg	Y	0.0948
BIST005	UB054F0511	Spotted seatrout	Whole Body	Mercury	3B	33	29	4	0.251	mg/kg	0.103	mg/kg	Y	0.411
BIST005	UB052F0501	Gulf menhaden	Whole Body	Mercury	2A	33	29	4	0.251	mg/kg	0.0920	mg/kg	Y	0.367
BIST005	UB054F0507	Spotted seatrout	Whole Body	Mercury	3B	33	29	4	0.251	mg/kg	0.142	mg/kg	Y	0.567
BIST005	UB051F0505	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0620	mg/kg	Y	0.280
BIST005	UB054B0505	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.162	mg/kg	Y	0.269
BIST005	UB054F0501	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.273	mg/kg	Y	0.138
BIST005	UB054F0504	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.209	mg/kg	Y	0.106
BIST005	UB054B0504	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.139	mg/kg	Y	0.232
BIST005	UB054F0515	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.130	mg/kg	Y	0.0659
BIST005	UB051F0503	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0640	mg/kg	Y	0.289
BIST005	UB054F0503	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.103	mg/kg	Y	0.0522
BIST005	UB054B0502	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.129	mg/kg	Y	0.215
BIST005	UB051F0516	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0460	mg/kg	Y	0.208
BIST005	UB051F0504	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0500	mg/kg	Y	0.226
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0130	mg/kg	Y	0.0587
BIST005	UB054F0508	Spotted seatrout	Whole Body	Mercury	3B	33	29	4	0.251	mg/kg	0.0790	mg/kg	Y	0.315
BIST005	UB051F0518	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0550	mg/kg	Y	0.248
BIST005	UB051F0511	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0600	mg/kg	Y	0.271
BIST005	UB051F0510	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0600	mg/kg	Y	0.271
BIST005	UB054F0516	Skipjack herring	Whole Body	Mercury	3A	33	29	4	0.251	mg/kg	0.188	mg/kg	Y	0.750
BIST005	UB051F0520	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.141	mg/kg	Y	0.637
BIST005	UB051F0512	Sailfin molly	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0210	mg/kg	Y	0.0948
BIST005	UB054F0514	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.260	mg/kg	Y	0.132
BIST005	UB051F0515	Gulf killifish	Whole Body	Mercury	1	13	11	2	0.222	mg/kg	0.0680	mg/kg	Y	0.307
BIST006	MB011F0616	Gulf killifish	Whole Body	Mercury	1	15	12	3	0.245	mg/kg	0.0570	mg/kg	Y	0.232
BIST006	MB011F0615	Gulf killifish	Whole Body	Mercury	1	15	12	3	0.245	mg/kg	0.0600	mg/kg	Y	0.244
BIST006	MB012F0605	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0740	mg/kg	Y	0.216
BIST006	MB012F0611	Spot	Whole Body	Mercury	2B	3	3	0	0.309	mg/kg	0.0910	mg/kg	Y	0.294
BIST006	MB014F0615	Sand seatrout	Whole Body	Mercury	3B	32	28	4	0.342	mg/kg	0.207	mg/kg	Y	0.605
BIST006	MB014F0608	Spotted seatrout	Whole Body	Mercury	3B	32	28	4	0.342	mg/kg	0.114	mg/kg	Y	0.333
BIST006	MB014F0603	Spotted seatrout	Whole Body	Mercury	3B	32	28	4	0.342	mg/kg	0.111	mg/kg	Y	0.324
BIST006	MB012F0609	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0650	mg/kg	Y	0.190
BIST006	MB012F0604	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0560	mg/kg	Y	0.164
BIST006	MB014F0602	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.292	mg/kg	Y	0.148
BIST006	MB012F0603	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0520	mg/kg	Y	0.152
BIST006	MB012F0613	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0660	mg/kg	Y	0.193
BIST006	MB014F0601	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.277	mg/kg	Y	0.140
BIST006	MB014B0607	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.163	mg/kg	Y	0.272
BIST006	MB014F0612	Spotted seatrout	Whole Body	Mercury	3B	32	28	4	0.342	mg/kg	0.113	mg/kg	Y	0.330
BIST006	MB014F0604	Spotted seatrout	Whole Body	Mercury	3B	32	28	4	0.342	mg/kg	0.100	mg/kg	Y	0.292
BIST006	MB012F0601	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0660	mg/kg	Y	0.193
BIST006	MB012F0607	Spot	Whole Body	Mercury	2B	3	3	0	0.309	mg/kg	0.101	mg/kg	Y	0.327
BIST006	MB011F0605	Gulf killifish	Whole Body	Mercury	1	15	12	3	0.245	mg/kg	0.0830	mg/kg	Y	0.338
BIST006	MB014B0606	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.172	mg/kg	Y	0.287
BIST006	MB014B0605	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.189	mg/kg	Y	0.315
BIST006	MB014B0604	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.155	mg/kg	Y	0.259
BIST006	MB012F0619	Spot	Whole Body	Mercury	2B	3	3	0	0.309	mg/kg	0.0620	mg/kg	Y	0.201

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0610	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.108	mg/kg	Y	0.316
BIST006	MB014F0605	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.178	mg/kg	Y	0.0902
BIST006	MB014F0628	White mullet	Whole Body	Mercury	3A	32	28	4	0.342	mg/kg	0.0590	mg/kg	Y	0.172
BIST006	MB014B0603	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.171	mg/kg	Y	0.285
BIST006	MB014B0602	Red drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.214	mg/kg	Y	0.356
BIST006	MB011F0624	Gulf killifish	Whole Body	Mercury	1	15	12	3	0.245	mg/kg	0.0540	mg/kg	Y	0.220
BIST006	MB014F0630	Sand seatrout	Whole Body	Mercury	3B	32	28	4	0.342	mg/kg	0.187	mg/kg	Y	0.547
BIST006	MB012F0602	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0710	mg/kg	Y	0.208
BIST006	MB011F0607	Gulf killifish	Whole Body	Mercury	1	15	12	3	0.245	mg/kg	0.0440	mg/kg	Y	0.179
BIST006	MB012F0606	Gulf menhaden	Whole Body	Mercury	2A	32	28	4	0.342	mg/kg	0.0620	mg/kg	Y	0.181
BIST007	MB011F0704	Gulf killifish	Whole Body	Mercury	1	12	10	2	0.205	mg/kg	0.101	mg/kg	Y	0.493
BIST007	MB011F0702	Gulf killifish	Whole Body	Mercury	1	12	10	2	0.205	mg/kg	0.0840	mg/kg	Y	0.410
BIST007	MB011F0708	Gulf killifish	Whole Body	Mercury	1	12	10	2	0.205	mg/kg	0.0730	mg/kg	Y	0.357
BIST007	MB011F0706	Gulf killifish	Whole Body	Mercury	1	12	10	2	0.205	mg/kg	0.0990	mg/kg	Y	0.484
BIST007	MB011F0703	Gulf killifish	Whole Body	Mercury	1	12	10	2	0.205	mg/kg	0.116	mg/kg	Y	0.567
BIST008	MB031F0804	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.679	mg/kg	0.134	mg/kg	Y	0.197
BIST008	MB031F0805	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.679	mg/kg	0.117	mg/kg	Y	0.172
BIST008	MB031F0803	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.679	mg/kg	0.0980	mg/kg	Y	0.144
BIST008	MB031F0806	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.679	mg/kg	0.109	mg/kg	Y	0.161
BIST008	MB031V0818	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0340	mg/kg	Y	0.0400
BIST008	MB031V0807	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0360	mg/kg	Y	0.0424
BIST008	MB031V0810	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0290	mg/kg	Y	0.0342
BIST008	MB031V0802	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0350	mg/kg	Y	0.0412
BIST008	MB031V0817	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0350	mg/kg	Y	0.0412
BIST008	MB031V0816	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0490	mg/kg	Y	0.0577
BIST008	MB031V0803	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0340	mg/kg	Y	0.0400
BIST008	MB031V0812	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0360	mg/kg	Y	0.0424
BIST008	MB031V0811	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0320	mg/kg	Y	0.0377
BIST008	MB031V0813	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0380	mg/kg	Y	0.0448
BIST008	MB031V0801	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0360	mg/kg	Y	0.0424
BIST008	MB031F0811	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.679	mg/kg	0.0810	mg/kg	Y	0.119
BIST008	MB031V0808	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0340	mg/kg	Y	0.0400
BIST008	MB031V0819	Shrimp	Shellfish	Mercury	I 2A	47	45	2	0.849	mg/kg	0.0310	mg/kg	Y	0.0365
BIST010	MB031F1013	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.628	mg/kg	0.0810	mg/kg	Y	0.129
BIST010	MB031F1006	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.628	mg/kg	0.109	mg/kg	Y	0.174
BIST010	MB031F1004	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.628	mg/kg	0.112	mg/kg	Y	0.178
BIST010	MB031F1009	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.628	mg/kg	0.0890	mg/kg	Y	0.142
BIST010	MB031F1001	Gulf killifish	Whole Body	Mercury	1	20	19	1	0.628	mg/kg	0.104	mg/kg	Y	0.166
BIST011	LB011F1105	Gulf killifish	Whole Body	Mercury	1	30	29	1	6.30	mg/kg	0.270	mg/kg	Y	0.0428
BIST011	LB011F1103	Gulf killifish	Whole Body	Mercury	1	30	29	1	6.30	mg/kg	0.350	mg/kg	Y	0.0555
BIST011	LB011F1101	Gulf killifish	Whole Body	Mercury	1	30	29	1	6.30	mg/kg	0.340	mg/kg	Y	0.0539
BIST012	LB011F1204	Gulf killifish	Whole Body	Mercury	1	35	34	1	5.11	mg/kg	0.250	mg/kg	Y	0.0489
BIST012	LB011F1201	Gulf killifish	Whole Body	Mercury	1	35	34	1	5.11	mg/kg	0.290	mg/kg	Y	0.0567
BIST012	LB011F1202	Gulf killifish	Whole Body	Mercury	1	35	34	1	5.11	mg/kg	0.420	mg/kg	Y	0.0821
BIST013	LB011F1302	Gulf killifish	Whole Body	Mercury	1	37	36	1	5.13	mg/kg	0.290	mg/kg	Y	0.0566
BIST013	LB011F1301	Gulf killifish	Whole Body	Mercury	1	37	36	1	5.13	mg/kg	0.320	mg/kg	Y	0.0624
BIST013	LB011F1305	Gulf killifish	Whole Body	Mercury	1	37	36	1	5.13	mg/kg	0.260	mg/kg	Y	0.0507
BIST015	LB032F1504	Spot	Whole Body	Mercury	2B	4	4	0	3.14	mg/kg	0.116	mg/kg	Y	0.0370
BIST015	LB031F1506	Gulf killifish	Whole Body	Mercury	1	40	39	1	3.29	mg/kg	0.420	mg/kg	Y	0.128
BIST015	LB032F1501	Gulf menhaden	Whole Body	Mercury	2A	132	115	17	3.08	mg/kg	0.207	mg/kg	Y	0.0672

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1506	Spot	Whole Body	Mercury	2B	4	4	0	3.14	mg/kg	0.163	mg/kg	Y	0.0520
BIST015	LB032F1502	Gulf menhaden	Whole Body	Mercury	2A	132	115	17	3.08	mg/kg	0.243	mg/kg	Y	0.0789
BIST015	LB032F1503	Threadfin shad	Whole Body	Mercury	2A	132	115	17	3.08	mg/kg	0.148	mg/kg	Y	0.0480
BIST015	LB032F1505	Gulf menhaden	Whole Body	Mercury	2A	132	115	17	3.08	mg/kg	0.226	mg/kg	Y	0.0734
BIST015	LB031F1504	Gulf killifish	Whole Body	Mercury	1	40	39	1	3.29	mg/kg	0.530	mg/kg	Y	0.161
BIST015	LB031F1502	Gulf killifish	Whole Body	Mercury	1	40	39	1	3.29	mg/kg	0.650	mg/kg	Y	0.198
BIST015	LB032F1508	Threadfin shad	Whole Body	Mercury	2A	132	115	17	3.08	mg/kg		mg/kg	N	
BIST015	LB033F1513	Striped mullet	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0490	mg/kg	Y	0.0248
BIST015	LB033F1506	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.0910	mg/kg	Y	0.0295
BIST015	LB034F1503	Spotted seatrout	Whole Body	Mercury	3B	132	115	17	3.08	mg/kg	0.251	mg/kg	Y	0.0815
BIST015	LB034F1501	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.710	mg/kg	Y	0.360
BIST015	LB033F1505	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.173	mg/kg	Y	0.0562
BIST015	LB033F1517	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.130	mg/kg	Y	0.0422
BIST015	LB034F1506	Atlantic croaker	Whole Body	Mercury	3B	132	115	17	3.08	mg/kg	0.0990	mg/kg	Y	0.0321
BIST015	LB033F1504	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.135	mg/kg	Y	0.0438
BIST015	LB033F1502	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.0810	mg/kg	Y	0.0263
BIST015	LB034F1504	Spotted seatrout	Whole Body	Mercury	3B	132	115	17	3.08	mg/kg	0.157	mg/kg	Y	0.0510
BIST015	LB033F1514	Striped mullet	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0710	mg/kg	Y	0.0360
BIST015	LB033F1510	Striped mullet	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0950	mg/kg	Y	0.0482
BIST015	LB033F1508	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.244	mg/kg	Y	0.0792
BIST015	LB033F1501	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.0930	mg/kg	Y	0.0302
BIST015	LB032F1507	Gulf menhaden	Whole Body	Mercury	2A	132	115	17	3.08	mg/kg	0.275	mg/kg	Y	0.0893
BIST015	LB033F1511	Striped mullet	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0780	mg/kg	Y	0.0395
BIST015	LB034F1505	Spotted seatrout	Whole Body	Mercury	3B	132	115	17	3.08	mg/kg	0.194	mg/kg	Y	0.0630
BIST015	LB033F1515	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.0820	mg/kg	Y	0.0266
BIST015	LB033F1507	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.169	mg/kg	Y	0.0549
BIST015	LB033F1509	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.110	mg/kg	Y	0.0357
BIST015	LB033F1516	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.120	mg/kg	Y	0.0390
BIST015	LB034F1502	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.460	mg/kg	Y	0.233
BIST015	LB033F1503	Striped mullet	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.182	mg/kg	Y	0.0591
BIST015	LB033F1512	Striped mullet	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.185	mg/kg	Y	0.0938
BIST015	LB033F1518	Gulf menhaden	Whole Body	Mercury	3A	132	115	17	3.08	mg/kg	0.150	mg/kg	Y	0.0487
BIST016	LB031F1610	Gulf killifish	Whole Body	Mercury	1	51	48	3	2.83	mg/kg	0.276	mg/kg	Y	0.0976
BIST016	LB031F1602	Gulf killifish	Whole Body	Mercury	1	51	48	3	2.83	mg/kg	0.600	mg/kg	Y	0.212
BIST016	LB031F1601	Gulf killifish	Whole Body	Mercury	1	51	48	3	2.83	mg/kg	0.530	mg/kg	Y	0.188
BIST017	LB031F1704	Gulf killifish	Whole Body	Mercury	1	18	18	0	4.48	mg/kg	0.390	mg/kg	Y	0.0870
BIST017	LB031F1703	Gulf killifish	Whole Body	Mercury	1	18	18	0	4.48	mg/kg	0.420	mg/kg	Y	0.0937
BIST017	LB031F1702	Gulf killifish	Whole Body	Mercury	1	18	18	0	4.48	mg/kg	0.500	mg/kg	Y	0.112
BIST017	LB031A1752	Mussels	Shellfish	Mercury	I 1A	1	1	0	3.11	mg/kg	0.314	mg/kg	Y	0.101
BIST017	LB031A1754	Mussels	Shellfish	Mercury	I 1A	1	1	0	3.11	mg/kg	0.111	mg/kg	Y	0.0357
BIST017	LB031A1753	Mussels	Shellfish	Mercury	I 1A	1	1	0	3.11	mg/kg	0.190	mg/kg	Y	0.0611
BIST019	LB061F1902	Gulf killifish	Whole Body	Mercury	1	39	37	2	1.96	mg/kg	0.320	mg/kg	Y	0.163
BIST019	LB061F1901	Gulf killifish	Whole Body	Mercury	1	39	37	2	1.96	mg/kg	0.450	mg/kg	Y	0.230
BIST019	LB061F1903	Gulf killifish	Whole Body	Mercury	1	39	37	2	1.96	mg/kg	0.300	mg/kg	Y	0.153
BIST021	LB093F2103	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.109	mg/kg	Y	0.0553
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.148	mg/kg	Y	0.247
BIST021	LB093F2107	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0800	mg/kg	Y	0.0406
BIST021	LB094F2122	Spotted seatrout	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.0800	mg/kg	Y	0.0406
BIST021	LB094F2124	Spotted seatrout	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.111	mg/kg	Y	0.0563
BIST021	LB094F2107	Atlantic croaker	Whole Body	Mercury	3B	69	53	16	1.26	mg/kg	0.0580	mg/kg	Y	0.0460

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.130	mg/kg	Y	0.216
BIST021	LB093F2104	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0520	mg/kg	Y	0.0264
BIST021	LB093F2101	Striped mullet	Whole Body	Mercury	3A	69	53	16	1.26	mg/kg	0.0900	mg/kg	Y	0.0714
BIST021	LB093F2108	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0670	mg/kg	Y	0.0340
BIST021	LB093F2106	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.100	mg/kg	Y	0.0507
BIST021	LB094F2118	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.203	mg/kg	Y	0.103
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.0553	mg/kg	Y	0.0921
BIST021	LB094F2101	Spotted seatrout	Whole Body	Mercury	3B	69	53	16	1.26	mg/kg	0.171	mg/kg	Y	0.136
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.120	mg/kg	Y	0.199
BIST021	LB094F2141	Pinfish	Whole Body	Mercury	3B	69	53	16	1.26	mg/kg	0.0900	mg/kg	Y	0.0714
BIST021	LB094F2104	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.0920	mg/kg	Y	0.0466
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.136	mg/kg	Y	0.226
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.0588	mg/kg	Y	0.0980
BIST021	LB094F2115	Black Drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.0980	mg/kg	Y	0.0497
BIST021	LB094F2151	Spotted seatrout	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.380	mg/kg	Y	0.193
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.0539	mg/kg	Y	0.0898
BIST021	LB093F2105	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0740	mg/kg	Y	0.0375
BIST021	LB093F2102	Gizzard shad	Whole Body	Mercury	4A	262	225	37	1.97	mg/kg	0.0780	mg/kg	Y	0.0395
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.0658	mg/kg	Y	0.110
BIST021	LB094F2134	Pinfish	Whole Body	Mercury	3B	69	53	16	1.26	mg/kg	0.102	mg/kg	Y	0.0809
BIST021	LB094F2121	Spotted seatrout	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.0860	mg/kg	Y	0.0436
BIST021	LB094F2103	Red drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.144	mg/kg	Y	0.0730
BIST021	LB094F2120	Spotted seatrout	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.239	mg/kg	Y	0.121
BIST024	LB131F2402	Gulf killifish	Whole Body	Mercury	1	49	45	4	2.07	mg/kg	0.300	mg/kg	Y	0.145
BIST024	LB131F2408	Gulf killifish	Whole Body	Mercury	1	49	45	4	2.07	mg/kg	0.130	mg/kg	Y	0.0629
BIST024	LB131F2406	Gulf killifish	Whole Body	Mercury	1	49	45	4	2.07	mg/kg	0.340	mg/kg	Y	0.165
BIST025	LB132F2502	Gulf menhaden	Whole Body	Mercury	2A	122	109	13	3.13	mg/kg	0.0600	mg/kg	Y	0.0192
BIST025	LB131F2502	Gulf killifish	Whole Body	Mercury	1	49	47	2	2.42	mg/kg	0.350	mg/kg	Y	0.145
BIST025	LB132F2503	Spot	Whole Body	Mercury	2B	2	2	0	1.78	mg/kg	0.121	mg/kg	Y	0.0680
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Mercury	1	49	47	2	2.42	mg/kg	0.105	mg/kg	Y	0.0434
BIST025	LB131F2501	Gulf killifish	Whole Body	Mercury	1	49	47	2	2.42	mg/kg	0.360	mg/kg	Y	0.149
BIST025	LB132F2501	Gulf menhaden	Whole Body	Mercury	2A	122	109	13	3.13	mg/kg	0.173	mg/kg	Y	0.0553
BIST026	LB131F2604	Gulf killifish	Whole Body	Mercury	1	48	46	2	4.41	mg/kg	0.201	mg/kg	Y	0.0456
BIST026	LB131F2601	Gulf killifish	Whole Body	Mercury	1	48	46	2	4.41	mg/kg	0.200	mg/kg	Y	0.0454
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Mercury	1	32	31	1	5.55	mg/kg	0.223	mg/kg	Y	0.0402
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Mercury	1	32	31	1	5.55	mg/kg	0.270	mg/kg	Y	0.0486
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Mercury	1	32	31	1	5.55	mg/kg	0.310	mg/kg	Y	0.0559
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Mercury	1	30	29	1	5.71	mg/kg	0.310	mg/kg	Y	0.0543
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Mercury	1	30	29	1	5.71	mg/kg	0.330	mg/kg	Y	0.0578
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Mercury	1	30	29	1	5.71	mg/kg	0.400	mg/kg	Y	0.0700
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Mercury	1	31	30	1	5.83	mg/kg	0.380	mg/kg	Y	0.0652
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Mercury	1	31	30	1	5.83	mg/kg	0.280	mg/kg	Y	0.0481
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Mercury	1	31	30	1	5.83	mg/kg	0.440	mg/kg	Y	0.0755
BISTC01	BAYD4C0101	Blue crab	Shellfish	Mercury	I 2B	69	53	16	1.38	mg/kg	0.228	mg/kg	Y	0.165
BISTC01	BAYD4C0103	Blue crab	Shellfish	Mercury	I 2B	69	53	16	1.38	mg/kg	0.165	mg/kg	Y	0.120
BISTC02	BAYD4C0203	Blue crab	Shellfish	Mercury	I 2B	77	61	16	1.51	mg/kg	0.296	mg/kg	Y	0.196
BISTC02	BAYD4C0205	Blue crab	Shellfish	Mercury	I 2B	77	61	16	1.51	mg/kg	0.0900	mg/kg	Y	0.0597
BISTC02	BAYD4C0201	Blue crab	Shellfish	Mercury	I 2B	77	61	16	1.51	mg/kg	0.302	mg/kg	Y	0.200
BISTC03	BAYD4C0302	Blue crab	Shellfish	Mercury	I 2B	105	89	16	2.02	mg/kg	0.0780	mg/kg	Y	0.0386
BISTC05	BAYD4C0502	Blue crab	Shellfish	Mercury	I 2B	113	108	5	3.38	mg/kg	0.0700	mg/kg	Y	0.0207

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Mercury	2A	77	75	2	3.22	mg/kg	0.0990	mg/kg	Y	0.0307
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Mercury	I 2B	81	80	1	3.36	mg/kg	0.0640	mg/kg	Y	0.0190
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Mercury	3B	81	80	1	3.36	mg/kg	0.0616	mg/kg	Y	0.0602
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.112	mg/kg	Y	0.187
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Mercury	3B	83	82	1	3.31	mg/kg	0.0504	mg/kg	Y	0.0501
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.0343	mg/kg	Y	0.0571
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Mercury	3B	123	111	12	3.26	mg/kg	0.0340	mg/kg	Y	0.0104
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Mercury	3B	123	111	12	3.26	mg/kg	0.0500	mg/kg	N	0.0153
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Mercury	4B	262	225	37	1.97	mg/kg	0.0430	mg/kg	Y	0.0218
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Mercury	3B	123	111	12	3.26	mg/kg	0.0650	mg/kg	N	0.0200
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Mercury	3B	124	112	12	3.21	mg/kg	0.0360	mg/kg	Y	0.0112
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Mercury	3B	114	98	16	2.96	mg/kg	0.0700	mg/kg	Y	0.0777
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Mercury	3B	114	98	16	2.96	mg/kg	0.00665	mg/kg	N	0.00738
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Mercury	I 1A	1	0	1	0.0500	mg/kg	0.0310	mg/kg	Y	0.620
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.112	mg/kg	Y	0.187
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Mercury	4B	262	225	37	1.97	mg/kg	0.0462	mg/kg	Y	0.0770
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Mercury	I 1B	2	2	0	2.75	mg/kg	0.0630	mg/kg	Y	0.0229
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	0.0360	mg/kg	Y	1.03
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	0.0360	mg/kg	Y	1.03
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	67.6	ng/g	Y	1930
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	67.6	ng/g	Y	1930
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	0.100	mg/kg	Y	2.86
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	88.0	ng/g	Y	2510
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	88.0	ng/g	Y	2510
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Mercury	I 1A	1	0	1	0.0350	mg/kg	0.100	mg/kg	Y	2.86
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	0.0640	mg/kg	Y	0.0278
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	62.9	ng/g	Y	27.3
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	62.9	ng/g	Y	27.3
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	0.0640	mg/kg	Y	0.0278
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	54.9	ng/g	Y	23.9
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	54.9	ng/g	Y	23.9
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	0.0690	mg/kg	Y	0.0300
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	2.30	mg/kg	0.0690	mg/kg	Y	0.0300
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	0.490	mg/kg	52.9	ng/g	Y	108
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	0.490	mg/kg	52.9	ng/g	Y	108
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	0.490	mg/kg	0.0550	mg/kg	Y	0.112
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Mercury	I 1A	1	1	0	0.490	mg/kg	0.0550	mg/kg	Y	0.112
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	1	1	0	2.40	mg/kg	103	ng/g	Y	42.9
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	1	1	0	2.40	mg/kg	103	ng/g	Y	42.9
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	1	1	0	2.40	mg/kg	0.0980	mg/kg	Y	0.0408
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	1	1	0	2.40	mg/kg	0.0980	mg/kg	Y	0.0408
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	1	1	0	7.20	mg/kg	78.5	ng/g	Y	10.9
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	1	1	0	7.20	mg/kg	0.0970	mg/kg	Y	0.0135
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Mercury	I 1B	3	3	0	3.34	mg/kg	88.1	ng/g	Y	26.4
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Mercury	I 1B	3	3	0	3.34	mg/kg	0.120	mg/kg	Y	0.0359
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	3	2	1	0.810	mg/kg	0.0620	mg/kg	Y	0.0765
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Mercury	I 1B	3	2	1	0.810	mg/kg	55.6	ng/g	Y	68.6
BIST004	UB041F0404	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	16.4	ug/kg	5.00	ug/kg	N	0.304
BIST004	UB041F0401	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	16.4	ug/kg	5.00	ug/kg	N	0.304
BIST004	UB041F0402	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	16.4	ug/kg	5.00	ug/kg	N	0.304

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB054F0515	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST005	UB054F0514	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST005	UB054F0511	Spotted seatrout	Whole Body	Methoxychlor	3B	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST005	UB051F0516	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0509	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB054F0516	Skipjack herring	Whole Body	Methoxychlor	3A	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST005	UB051F0525	Sailfin molly	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB052F0501	Gulf menhaden	Whole Body	Methoxychlor	2A	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST005	UB054F0505	Spotted seatrout	Whole Body	Methoxychlor	3B	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST005	UB054F0504	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST005	UB051F0518	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0523	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0515	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0503	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB054F0503	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST005	UB051F0510	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0508	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0520	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0501	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0512	Sailfin molly	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB054F0501	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0511	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB051F0504	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB054F0508	Spotted seatrout	Whole Body	Methoxychlor	3B	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST005	UB051F0505	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB054F0507	Spotted seatrout	Whole Body	Methoxychlor	3B	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST005	UB051F0502	Gulf killifish	Whole Body	Methoxychlor	1	13	0	13	17.3	ug/kg	5.00	ug/kg	N	0.288
BIST005	UB054F0502	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	22.0	ug/kg	Y	0.679
BIST005	UB054F0506	Spotted seatrout	Whole Body	Methoxychlor	3B	31	0	31	19.1	ug/kg	5.00	ug/kg	N	0.262
BIST006	MB011F0607	Gulf killifish	Whole Body	Methoxychlor	1	14	0	14	19.3	ug/kg	5.00	ug/kg	N	0.259
BIST006	MB011F0615	Gulf killifish	Whole Body	Methoxychlor	1	14	0	14	19.3	ug/kg	5.00	ug/kg	N	0.259
BIST006	MB014F0608	Spotted seatrout	Whole Body	Methoxychlor	3B	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0601	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB014F0602	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	10.00	ug/kg	Y	0.309
BIST006	MB012F0606	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB014F0612	Spotted seatrout	Whole Body	Methoxychlor	3B	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB011F0605	Gulf killifish	Whole Body	Methoxychlor	1	14	0	14	19.3	ug/kg	5.00	ug/kg	N	0.259
BIST006	MB014F0628	White mullet	Whole Body	Methoxychlor	3A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB014F0615	Sand seatrout	Whole Body	Methoxychlor	3B	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB014F0605	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	11.0	ug/kg	Y	0.339
BIST006	MB011F0616	Gulf killifish	Whole Body	Methoxychlor	1	14	0	14	19.3	ug/kg	5.00	ug/kg	N	0.259
BIST006	MB012F0603	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0605	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0609	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0613	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0604	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0611	Spot	Whole Body	Methoxychlor	2B	3	0	3	16.0	ug/kg	21.0	ug/kg	N	1.31
BIST006	MB014F0603	Spotted seatrout	Whole Body	Methoxychlor	3B	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0619	Spot	Whole Body	Methoxychlor	2B	3	0	3	16.0	ug/kg	21.0	ug/kg	N	1.31

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0607	Spot	Whole Body	Methoxychlor	2B	3	0	3	16.0	ug/kg	21.0	ug/kg	N	1.31
BIST006	MB014F0604	Spotted seatrout	Whole Body	Methoxychlor	3B	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB011F0624	Gulf killifish	Whole Body	Methoxychlor	1	14	0	14	19.3	ug/kg	5.00	ug/kg	N	0.259
BIST006	MB014F0601	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST006	MB012F0610	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB014F0630	Sand seatrout	Whole Body	Methoxychlor	3B	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST006	MB012F0602	Gulf menhaden	Whole Body	Methoxychlor	2A	31	1	30	20.5	ug/kg	5.00	ug/kg	N	0.244
BIST007	MB011F0703	Gulf killifish	Whole Body	Methoxychlor	1	12	0	12	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST007	MB011F0702	Gulf killifish	Whole Body	Methoxychlor	1	12	0	12	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST007	MB011F0708	Gulf killifish	Whole Body	Methoxychlor	1	12	0	12	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST007	MB011F0706	Gulf killifish	Whole Body	Methoxychlor	1	12	0	12	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST007	MB011F0704	Gulf killifish	Whole Body	Methoxychlor	1	12	0	12	16.1	ug/kg	5.00	ug/kg	N	0.311
BIST008	MB031V0807	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031V0817	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031F0804	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST008	MB031V0802	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	165	ug/kg	N	6.35
BIST008	MB031F0805	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST008	MB031F0806	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST008	MB031V0813	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031V0819	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031V0811	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031V0801	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031F0811	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST008	MB031V0803	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	165	ug/kg	N	6.35
BIST008	MB031V0808	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031V0816	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031F0803	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.8	ug/kg	5.00	ug/kg	N	0.201
BIST008	MB031V0810	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST008	MB031V0818	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	165	ug/kg	N	6.35
BIST008	MB031V0812	Shrimp	Shellfish	Methoxychlor	I 2A	45	2	43	26.0	ug/kg	5.00	ug/kg	N	0.193
BIST010	MB031F1006	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.7	ug/kg	5.00	ug/kg	N	0.202
BIST010	MB031F1004	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.7	ug/kg	5.00	ug/kg	N	0.202
BIST010	MB031F1001	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.7	ug/kg	5.00	ug/kg	N	0.202
BIST010	MB031F1009	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.7	ug/kg	5.00	ug/kg	N	0.202
BIST010	MB031F1013	Gulf killifish	Whole Body	Methoxychlor	1	20	1	19	24.7	ug/kg	5.00	ug/kg	N	0.202
BIST011	LB011F1105	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	31.4	ug/kg	5.00	ug/kg	N	0.159
BIST011	LB011F1101	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	31.4	ug/kg	5.00	ug/kg	N	0.159
BIST011	LB011F1103	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	31.4	ug/kg	5.00	ug/kg	N	0.159
BIST012	LB011F1202	Gulf killifish	Whole Body	Methoxychlor	1	29	0	29	34.0	ug/kg	5.00	ug/kg	N	0.147
BIST012	LB011F1204	Gulf killifish	Whole Body	Methoxychlor	1	29	0	29	34.0	ug/kg	5.00	ug/kg	N	0.147
BIST012	LB011F1201	Gulf killifish	Whole Body	Methoxychlor	1	29	0	29	34.0	ug/kg	5.00	ug/kg	N	0.147
BIST013	LB011F1305	Gulf killifish	Whole Body	Methoxychlor	1	29	0	29	33.9	ug/kg	5.00	ug/kg	N	0.148
BIST013	LB011F1301	Gulf killifish	Whole Body	Methoxychlor	1	29	0	29	33.9	ug/kg	5.00	ug/kg	N	0.148
BIST013	LB011F1302	Gulf killifish	Whole Body	Methoxychlor	1	29	0	29	33.9	ug/kg	5.00	ug/kg	N	0.148
BIST015	LB032F1501	Gulf menhaden	Whole Body	Methoxychlor	2A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB032F1502	Gulf menhaden	Whole Body	Methoxychlor	2A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB031F1502	Gulf killifish	Whole Body	Methoxychlor	1	24	3	21	70.8	ug/kg	5.00	ug/kg	N	0.0706
BIST015	LB032F1505	Gulf menhaden	Whole Body	Methoxychlor	2A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB032F1504	Spot	Whole Body	Methoxychlor	2B	3	1	2	37.3	ug/kg	21.0	ug/kg	N	0.563
BIST015	LB032F1503	Threadfin shad	Whole Body	Methoxychlor	2A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB031F1506	Gulf killifish	Whole Body	Methoxychlor	1	24	3	21	70.8	ug/kg	5.00	ug/kg	N	0.0706
BIST015	LB031F1504	Gulf killifish	Whole Body	Methoxychlor	1	24	3	21	70.8	ug/kg	5.00	ug/kg	N	0.0706
BIST015	LB032F1506	Spot	Whole Body	Methoxychlor	2B	3	1	2	37.3	ug/kg	10.5	ug/kg	N	0.281
BIST015	LB033F1511	Striped mullet	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST015	LB034F1505	Spotted seatrout	Whole Body	Methoxychlor	3B	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB034F1506	Atlantic croaker	Whole Body	Methoxychlor	3B	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1510	Striped mullet	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST015	LB034F1501	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST015	LB032F1507	Gulf menhaden	Whole Body	Methoxychlor	2A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1516	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	21.0	ug/kg	N	0.473
BIST015	LB033F1509	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	41.5	ug/kg	N	0.935
BIST015	LB033F1513	Striped mullet	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	41.5	ug/kg	N	1.28
BIST015	LB033F1504	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1507	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	105	ug/kg	N	2.37
BIST015	LB034F1502	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST015	LB033F1517	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	105	ug/kg	N	2.37
BIST015	LB033F1502	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1518	Gulf menhaden	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1515	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1512	Striped mullet	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	21.0	ug/kg	N	0.648
BIST015	LB033F1508	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1501	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1506	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1503	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	105	ug/kg	N	2.37
BIST015	LB033F1514	Striped mullet	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST015	LB034F1504	Spotted seatrout	Whole Body	Methoxychlor	3B	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST015	LB033F1505	Striped mullet	Whole Body	Methoxychlor	3A	88	4	84	44.4	ug/kg	5.00	ug/kg	N	0.113
BIST016	LB031F1601	Gulf killifish	Whole Body	Methoxychlor	1	35	3	32	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST016	LB031F1610	Gulf killifish	Whole Body	Methoxychlor	1	35	3	32	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST016	LB031F1602	Gulf killifish	Whole Body	Methoxychlor	1	35	3	32	68.9	ug/kg	5.00	ug/kg	N	0.0725
BIST017	LB031F1704	Gulf killifish	Whole Body	Methoxychlor	1	11	3	8	105	ug/kg	5.00	ug/kg	N	0.0474
BIST017	LB031A1754	Mussels	Shellfish	Methoxychlor	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Methoxychlor	1	11	3	8	105	ug/kg	5.00	ug/kg	N	0.0474
BIST017	LB031F1702	Gulf killifish	Whole Body	Methoxychlor	1	11	3	8	105	ug/kg	5.00	ug/kg	N	0.0474
BIST017	LB031A1752	Mussels	Shellfish	Methoxychlor	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Methoxychlor	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST019	LB061F1903	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	47.6	ug/kg	5.00	ug/kg	N	0.105
BIST019	LB061F1902	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	47.6	ug/kg	5.00	ug/kg	N	0.105
BIST019	LB061F1901	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	47.6	ug/kg	5.00	ug/kg	N	0.105
BIST021	LB094F2151	Spotted seatrout	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB094F2101	Spotted seatrout	Whole Body	Methoxychlor	3B	42	1	41	37.2	ug/kg	5.00	ug/kg	N	0.134
BIST021	LB094F2103	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB094F2120	Spotted seatrout	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB094F2118	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB093F2102	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	13.0	ug/kg	Y	0.401
BIST021	LB094F2104	Red drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	10.00	ug/kg	Y	0.309
BIST021	LB094F2107	Atlantic croaker	Whole Body	Methoxychlor	3B	42	1	41	37.2	ug/kg	5.00	ug/kg	N	0.134
BIST021	LB094F2115	Black Drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB094F2124	Spotted seatrout	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB093F2107	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2104	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB093F2105	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	21.0	ug/kg	N	0.648
BIST021	LB093F2108	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB093F2103	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB093F2106	Gizzard shad	Whole Body	Methoxychlor	4A	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB094F2121	Spotted seatrout	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST021	LB093F2101	Striped mullet	Whole Body	Methoxychlor	3A	42	1	41	37.2	ug/kg	5.00	ug/kg	N	0.134
BIST021	LB094F2141	Pinfish	Whole Body	Methoxychlor	3B	42	1	41	37.2	ug/kg	21.0	ug/kg	N	0.565
BIST021	LB094F2134	Pinfish	Whole Body	Methoxychlor	3B	42	1	41	37.2	ug/kg	5.00	ug/kg	N	0.134
BIST021	LB094F2122	Spotted seatrout	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.00	ug/kg	N	0.154
BIST024	LB131F2402	Gulf killifish	Whole Body	Methoxychlor	1	32	0	32	40.3	ug/kg	5.00	ug/kg	N	0.124
BIST024	LB131F2408	Gulf killifish	Whole Body	Methoxychlor	1	32	0	32	40.3	ug/kg	5.00	ug/kg	N	0.124
BIST024	LB131F2406	Gulf killifish	Whole Body	Methoxychlor	1	32	0	32	40.3	ug/kg	5.00	ug/kg	N	0.124
BIST025	LB132F2502	Gulf menhaden	Whole Body	Methoxychlor	2A	85	3	82	44.7	ug/kg	5.00	ug/kg	N	0.112
BIST025	LB131F2501	Gulf killifish	Whole Body	Methoxychlor	1	33	2	31	42.3	ug/kg	5.00	ug/kg	N	0.118
BIST025	LB132F2503	Spot	Whole Body	Methoxychlor	2B	2	0	2	93.5	ug/kg	21.0	ug/kg	N	0.225
BIST025	LB131F2502	Gulf killifish	Whole Body	Methoxychlor	1	33	2	31	42.3	ug/kg	5.00	ug/kg	N	0.118
BIST025	LB132F2501	Gulf menhaden	Whole Body	Methoxychlor	2A	85	3	82	44.7	ug/kg	5.00	ug/kg	N	0.112
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Methoxychlor	1	33	2	31	42.3	ug/kg	5.00	ug/kg	N	0.118
BIST026	LB131F2601	Gulf killifish	Whole Body	Methoxychlor	1	34	2	32	33.8	ug/kg	5.00	ug/kg	N	0.148
BIST026	LB131F2604	Gulf killifish	Whole Body	Methoxychlor	1	34	2	32	33.8	ug/kg	5.00	ug/kg	N	0.148
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	35.2	ug/kg	5.00	ug/kg	N	0.142
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	35.2	ug/kg	5.00	ug/kg	N	0.142
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Methoxychlor	1	26	0	26	35.2	ug/kg	5.00	ug/kg	N	0.142
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Methoxychlor	1	22	2	20	30.7	ug/kg	5.00	ug/kg	N	0.163
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Methoxychlor	1	22	2	20	30.7	ug/kg	5.00	ug/kg	N	0.163
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Methoxychlor	1	22	2	20	30.7	ug/kg	5.00	ug/kg	N	0.163
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Methoxychlor	1	25	2	23	33.6	ug/kg	5.00	ug/kg	N	0.149
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Methoxychlor	1	25	2	23	33.6	ug/kg	5.00	ug/kg	N	0.149
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Methoxychlor	1	25	2	23	33.6	ug/kg	5.00	ug/kg	N	0.149
BISTC01	BAYD4C0101	Blue crab	Shellfish	Methoxychlor	I 2B	43	0	43	37.1	ug/kg	5.00	ug/kg	N	0.135
BISTC01	BAYD4C0103	Blue crab	Shellfish	Methoxychlor	I 2B	43	0	43	37.1	ug/kg	5.00	ug/kg	N	0.135
BISTC02	BAYD4C0201	Blue crab	Shellfish	Methoxychlor	I 2B	49	0	49	38.9	ug/kg	5.00	ug/kg	N	0.129
BISTC02	BAYD4C0205	Blue crab	Shellfish	Methoxychlor	I 2B	49	0	49	38.9	ug/kg	5.00	ug/kg	N	0.129
BISTC02	BAYD4C0203	Blue crab	Shellfish	Methoxychlor	I 2B	49	0	49	38.9	ug/kg	5.00	ug/kg	N	0.129
BISTC03	BAYD4C0302	Blue crab	Shellfish	Methoxychlor	I 2B	67	3	64	48.2	ug/kg	5.00	ug/kg	N	0.104
BISTC05	BAYD4C0502	Blue crab	Shellfish	Methoxychlor	I 2B	86	4	82	43.1	ug/kg	5.00	ug/kg	N	0.116
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Methoxychlor	2A	72	3	69	31.3	ug/kg	5.50	ug/kg	N	0.176
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Methoxychlor	I 2B	70	1	69	33.2	ug/kg	5.50	ug/kg	N	0.165
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Methoxychlor	3B	86	4	82	44.4	ug/kg	5.50	ug/kg	N	0.124
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Methoxychlor	3B	86	4	82	44.4	ug/kg	5.50	ug/kg	N	0.124
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Methoxychlor	4B	207	7	200	32.4	ug/kg	5.50	ug/kg	N	0.170
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Methoxychlor	3B	86	4	82	44.4	ug/kg	5.50	ug/kg	N	0.124
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Methoxychlor	3B	86	3	83	44.5	ug/kg	5.50	ug/kg	N	0.124
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Methoxychlor	I 1A	1	0	1	0.395	ug/kg	5.50	ug/kg	N	13.9
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Methoxychlor	I 1B	2	0	2	71.8	ug/kg	5.50	ug/kg	N	0.0767
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Methoxychlor	I 1A	1	0	1	11.0	ug/kg	12.5	ug/kg	N	1.14
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Methoxychlor	I 1A	1	0	1	11.0	ug/kg	12.5	ug/kg	N	1.14
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Methoxychlor	I 1A	1	0	1	23.5	ug/kg	12.5	ug/kg	N	0.532
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Methoxychlor	I 1A	1	0	1	23.5	ug/kg	12.5	ug/kg	N	0.532

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Methoxychlor	I 1A	1	0	1	22.5	ug/kg	12.5	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Methoxychlor	I 1B	1	0	1	27.0	ug/kg	12.5	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Methoxychlor	I 1B	1	0	1	26.5	ug/kg	12.5	ug/kg	N	0.472
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Methoxychlor	I 1B	3	0	3	17.7	ug/kg	12.5	ug/kg	N	0.708
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Methoxychlor	I 1B	3	0	3	13.3	ug/kg	12.5	ug/kg	N	0.940
BIST004	UB041F0404	Gulf killifish	Whole Body	Nickel	1	14	14	0	13.8	mg/kg	0.0800	mg/kg	Y	0.00580
BIST004	UB041F0401	Gulf killifish	Whole Body	Nickel	1	14	14	0	13.8	mg/kg	0.0900	mg/kg	Y	0.00653
BIST004	UB041F0402	Gulf killifish	Whole Body	Nickel	1	14	14	0	13.8	mg/kg	0.0700	mg/kg	Y	0.00508
BIST005	UB051F0518	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.140	mg/kg	Y	0.0102
BIST005	UB051F0501	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.100	mg/kg	Y	0.00727
BIST005	UB054F0508	Spotted seatrout	Whole Body	Nickel	3B	33	33	0	13.4	mg/kg	0.0700	mg/kg	Y	0.00523
BIST005	UB051F0523	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0600	mg/kg	Y	0.00436
BIST005	UB054F0511	Spotted seatrout	Whole Body	Nickel	3B	33	33	0	13.4	mg/kg	0.120	mg/kg	Y	0.00896
BIST005	UB054F0501	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0300	mg/kg	Y	0.00147
BIST005	UB054F0505	Spotted seatrout	Whole Body	Nickel	3B	33	33	0	13.4	mg/kg	0.100	mg/kg	Y	0.00747
BIST005	UB051F0510	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0700	mg/kg	Y	0.00509
BIST005	UB054F0515	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0600	mg/kg	Y	0.00295
BIST005	UB054F0516	Skipjack herring	Whole Body	Nickel	3A	33	33	0	13.4	mg/kg	0.0350	mg/kg	N	0.00261
BIST005	UB054F0504	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.110	mg/kg	Y	0.00541
BIST005	UB051F0520	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0300	mg/kg	Y	0.00218
BIST005	UB054F0502	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.120	mg/kg	Y	0.00590
BIST005	UB051F0511	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.630	mg/kg	Y	0.0458
BIST005	UB054F0503	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST005	UB054F0507	Spotted seatrout	Whole Body	Nickel	3B	33	33	0	13.4	mg/kg	0.0900	mg/kg	Y	0.00672
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0700	mg/kg	Y	0.00509
BIST005	UB051F0504	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.120	mg/kg	Y	0.00873
BIST005	UB051F0516	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0150	mg/kg	N	0.00109
BIST005	UB054F0514	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0400	mg/kg	Y	0.00197
BIST005	UB052F0501	Gulf menhaden	Whole Body	Nickel	2A	33	33	0	13.4	mg/kg	0.240	mg/kg	Y	0.0179
BIST005	UB051F0509	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0400	mg/kg	Y	0.00291
BIST005	UB051F0512	Sailfin molly	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.110	mg/kg	Y	0.00800
BIST005	UB051F0508	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.120	mg/kg	Y	0.00873
BIST005	UB051F0503	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0600	mg/kg	Y	0.00436
BIST005	UB051F0502	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0600	mg/kg	Y	0.00436
BIST005	UB051F0525	Sailfin molly	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.120	mg/kg	Y	0.00873
BIST005	UB051F0515	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0500	mg/kg	Y	0.00364
BIST005	UB054F0506	Spotted seatrout	Whole Body	Nickel	3B	33	33	0	13.4	mg/kg	0.0900	mg/kg	Y	0.00672
BIST005	UB051F0505	Gulf killifish	Whole Body	Nickel	1	13	13	0	13.7	mg/kg	0.0400	mg/kg	Y	0.00291
BIST006	MB012F0602	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.190	mg/kg	Y	0.0132
BIST006	MB012F0610	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.330	mg/kg	Y	0.0229
BIST006	MB012F0619	Spot	Whole Body	Nickel	2B	3	3	0	13.1	mg/kg	0.130	mg/kg	Y	0.00992
BIST006	MB012F0607	Spot	Whole Body	Nickel	2B	3	3	0	13.1	mg/kg	0.310	mg/kg	Y	0.0237
BIST006	MB014F0603	Spotted seatrout	Whole Body	Nickel	3B	32	32	0	14.4	mg/kg	0.0600	mg/kg	Y	0.00417
BIST006	MB014F0602	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.150	mg/kg	Y	0.00737
BIST006	MB012F0609	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.340	mg/kg	Y	0.0236
BIST006	MB011F0624	Gulf killifish	Whole Body	Nickel	1	15	15	0	12.9	mg/kg	0.0800	mg/kg	Y	0.00620
BIST006	MB011F0607	Gulf killifish	Whole Body	Nickel	1	15	15	0	12.9	mg/kg	0.0500	mg/kg	Y	0.00388
BIST006	MB014F0604	Spotted seatrout	Whole Body	Nickel	3B	32	32	0	14.4	mg/kg	0.0700	mg/kg	Y	0.00486
BIST006	MB012F0601	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.260	mg/kg	Y	0.0181
BIST006	MB012F0604	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.280	mg/kg	Y	0.0194

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0613	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.190	mg/kg	Y	0.0132
BIST006	MB012F0605	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.320	mg/kg	Y	0.0222
BIST006	MB012F0603	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.280	mg/kg	Y	0.0194
BIST006	MB014F0605	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.110	mg/kg	Y	0.00541
BIST006	MB014F0612	Spotted seatrout	Whole Body	Nickel	3B	32	32	0	14.4	mg/kg	0.0800	mg/kg	Y	0.00556
BIST006	MB011F0615	Gulf killifish	Whole Body	Nickel	1	15	15	0	12.9	mg/kg	0.0900	mg/kg	Y	0.00698
BIST006	MB012F0611	Spot	Whole Body	Nickel	2B	3	3	0	13.1	mg/kg	0.0700	mg/kg	Y	0.00534
BIST006	MB014F0601	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.100	mg/kg	Y	0.00491
BIST006	MB011F0616	Gulf killifish	Whole Body	Nickel	1	15	15	0	12.9	mg/kg	0.0650	mg/kg	N	0.00504
BIST006	MB011F0605	Gulf killifish	Whole Body	Nickel	1	15	15	0	12.9	mg/kg	0.0700	mg/kg	Y	0.00543
BIST006	MB014F0608	Spotted seatrout	Whole Body	Nickel	3B	32	32	0	14.4	mg/kg	0.0800	mg/kg	Y	0.00556
BIST006	MB012F0606	Gulf menhaden	Whole Body	Nickel	2A	32	32	0	14.4	mg/kg	0.360	mg/kg	Y	0.0250
BIST006	MB014F0630	Sand seatrout	Whole Body	Nickel	3B	32	32	0	14.4	mg/kg	0.100	mg/kg	Y	0.00694
BIST006	MB014F0615	Sand seatrout	Whole Body	Nickel	3B	32	32	0	14.4	mg/kg	0.0700	mg/kg	Y	0.00486
BIST006	MB014F0628	White mullet	Whole Body	Nickel	3A	32	32	0	14.4	mg/kg	0.120	mg/kg	N	0.00833
BIST007	MB011F0702	Gulf killifish	Whole Body	Nickel	1	12	12	0	12.1	mg/kg	0.0800	mg/kg	Y	0.00664
BIST007	MB011F0703	Gulf killifish	Whole Body	Nickel	1	12	12	0	12.1	mg/kg	0.100	mg/kg	Y	0.00830
BIST007	MB011F0706	Gulf killifish	Whole Body	Nickel	1	12	12	0	12.1	mg/kg	0.0700	mg/kg	Y	0.00581
BIST007	MB011F0708	Gulf killifish	Whole Body	Nickel	1	12	12	0	12.1	mg/kg	0.100	mg/kg	Y	0.00830
BIST007	MB011F0704	Gulf killifish	Whole Body	Nickel	1	12	12	0	12.1	mg/kg	0.110	mg/kg	Y	0.00913
BIST008	MB031V0807	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.340	mg/kg	Y	0.0200
BIST008	MB031V0808	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.155	mg/kg	N	0.00909
BIST008	MB031V0812	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.370	mg/kg	Y	0.0217
BIST008	MB031V0811	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.150	mg/kg	N	0.00880
BIST008	MB031F0805	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.0	mg/kg	0.0600	mg/kg	Y	0.00334
BIST008	MB031F0804	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.0	mg/kg	0.160	mg/kg	Y	0.00891
BIST008	MB031V0818	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.130	mg/kg	N	0.00763
BIST008	MB031V0817	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.470	mg/kg	Y	0.0276
BIST008	MB031V0801	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.440	mg/kg	Y	0.0258
BIST008	MB031V0802	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.330	mg/kg	Y	0.0194
BIST008	MB031V0810	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.360	mg/kg	Y	0.0211
BIST008	MB031F0803	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.0	mg/kg	0.120	mg/kg	Y	0.00668
BIST008	MB031F0811	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.0	mg/kg	0.130	mg/kg	Y	0.00724
BIST008	MB031V0816	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.350	mg/kg	Y	0.0205
BIST008	MB031V0803	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.145	mg/kg	N	0.00851
BIST008	MB031F0806	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.0	mg/kg	0.0650	mg/kg	N	0.00362
BIST008	MB031V0819	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.320	mg/kg	Y	0.0188
BIST008	MB031V0813	Shrimp	Shellfish	Nickel	I 2A	47	46	1	17.0	mg/kg	0.400	mg/kg	Y	0.0235
BIST010	MB031F1013	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.1	mg/kg	0.0800	mg/kg	Y	0.00442
BIST010	MB031F1006	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.1	mg/kg	0.160	mg/kg	Y	0.00885
BIST010	MB031F1004	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.1	mg/kg	0.530	mg/kg	Y	0.0293
BIST010	MB031F1001	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.1	mg/kg	0.210	mg/kg	Y	0.0116
BIST010	MB031F1009	Gulf killifish	Whole Body	Nickel	1	20	20	0	18.1	mg/kg	0.100	mg/kg	Y	0.00553
BIST011	LB011F1105	Gulf killifish	Whole Body	Nickel	1	30	29	1	31.6	mg/kg	0.0800	mg/kg	Y	0.00253
BIST011	LB011F1101	Gulf killifish	Whole Body	Nickel	1	30	29	1	31.6	mg/kg	0.0400	mg/kg	Y	0.00126
BIST011	LB011F1103	Gulf killifish	Whole Body	Nickel	1	30	29	1	31.6	mg/kg	0.0400	mg/kg	Y	0.00126
BIST012	LB011F1204	Gulf killifish	Whole Body	Nickel	1	35	34	1	29.8	mg/kg	0.0700	mg/kg	Y	0.00235
BIST012	LB011F1201	Gulf killifish	Whole Body	Nickel	1	35	34	1	29.8	mg/kg	0.0700	mg/kg	Y	0.00235
BIST012	LB011F1202	Gulf killifish	Whole Body	Nickel	1	35	34	1	29.8	mg/kg	0.0800	mg/kg	Y	0.00269
BIST013	LB011F1301	Gulf killifish	Whole Body	Nickel	1	37	36	1	29.6	mg/kg	0.0600	mg/kg	Y	0.00203

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST013	LB011F1305	Gulf killifish	Whole Body	Nickel	1	37	36	1	29.6	mg/kg	0.0500	mg/kg	Y	0.00169
BIST013	LB011F1302	Gulf killifish	Whole Body	Nickel	1	37	36	1	29.6	mg/kg	0.0600	mg/kg	Y	0.00203
BIST015	LB031F1502	Gulf killifish	Whole Body	Nickel	1	40	40	0	32.1	mg/kg	0.0500	mg/kg	Y	0.00156
BIST015	LB032F1506	Spot	Whole Body	Nickel	2B	4	4	0	37.2	mg/kg	0.250	mg/kg	Y	0.00673
BIST015	LB032F1502	Gulf menhaden	Whole Body	Nickel	2A	132	131	1	24.9	mg/kg	0.400	mg/kg	Y	0.0161
BIST015	LB031F1504	Gulf killifish	Whole Body	Nickel	1	40	40	0	32.1	mg/kg	0.0300	mg/kg	Y	0.000934
BIST015	LB032F1501	Gulf menhaden	Whole Body	Nickel	2A	132	131	1	24.9	mg/kg	0.440	mg/kg	Y	0.0177
BIST015	LB032F1504	Spot	Whole Body	Nickel	2B	4	4	0	37.2	mg/kg	0.110	mg/kg	Y	0.00296
BIST015	LB031F1506	Gulf killifish	Whole Body	Nickel	1	40	40	0	32.1	mg/kg	0.0600	mg/kg	Y	0.00187
BIST015	LB032F1505	Gulf menhaden	Whole Body	Nickel	2A	132	131	1	24.9	mg/kg	0.500	mg/kg	Y	0.0201
BIST015	LB032F1503	Threadfin shad	Whole Body	Nickel	2A	132	131	1	24.9	mg/kg	0.180	mg/kg	Y	0.00723
BIST015	LB033F1506	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.0600	mg/kg	N	0.00241
BIST015	LB033F1507	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.115	mg/kg	N	0.00462
BIST015	LB033F1511	Striped mullet	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.130	mg/kg	Y	0.00639
BIST015	LB032F1508	Threadfin shad	Whole Body	Nickel	2A	132	131	1	24.9	mg/kg		mg/kg	N	
BIST015	LB033F1516	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.160	mg/kg	N	0.00643
BIST015	LB033F1510	Striped mullet	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.130	mg/kg	Y	0.00639
BIST015	LB033F1512	Striped mullet	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.670	mg/kg	Y	0.0329
BIST015	LB034F1502	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST015	LB034F1501	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST015	LB033F1515	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.0700	mg/kg	N	0.00281
BIST015	LB032F1507	Gulf menhaden	Whole Body	Nickel	2A	132	131	1	24.9	mg/kg	0.440	mg/kg	Y	0.0177
BIST015	LB033F1509	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.0600	mg/kg	N	0.00241
BIST015	LB033F1517	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.120	mg/kg	N	0.00482
BIST015	LB033F1513	Striped mullet	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.320	mg/kg	Y	0.0157
BIST015	LB033F1502	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.0550	mg/kg	N	0.00221
BIST015	LB034F1505	Spotted seatrout	Whole Body	Nickel	3B	132	131	1	24.9	mg/kg	0.980	mg/kg	Y	0.0394
BIST015	LB033F1501	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.0750	mg/kg	N	0.00301
BIST015	LB033F1518	Gulf menhaden	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.380	mg/kg	Y	0.0153
BIST015	LB033F1505	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.520	mg/kg	Y	0.0209
BIST015	LB034F1503	Spotted seatrout	Whole Body	Nickel	3B	132	131	1	24.9	mg/kg	0.0800	mg/kg	Y	0.00321
BIST015	LB034F1504	Spotted seatrout	Whole Body	Nickel	3B	132	131	1	24.9	mg/kg	0.0700	mg/kg	Y	0.00281
BIST015	LB033F1508	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.400	mg/kg	Y	0.0161
BIST015	LB034F1506	Atlantic croaker	Whole Body	Nickel	3B	132	131	1	24.9	mg/kg	0.170	mg/kg	Y	0.00683
BIST015	LB033F1514	Striped mullet	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.0700	mg/kg	Y	0.00344
BIST015	LB033F1504	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.140	mg/kg	N	0.00562
BIST015	LB033F1503	Striped mullet	Whole Body	Nickel	3A	132	131	1	24.9	mg/kg	0.115	mg/kg	N	0.00462
BIST016	LB031F1602	Gulf killifish	Whole Body	Nickel	1	51	51	0	29.1	mg/kg	0.0800	mg/kg	Y	0.00275
BIST016	LB031F1601	Gulf killifish	Whole Body	Nickel	1	51	51	0	29.1	mg/kg	0.0800	mg/kg	Y	0.00275
BIST016	LB031F1610	Gulf killifish	Whole Body	Nickel	1	51	51	0	29.1	mg/kg	0.0900	mg/kg	Y	0.00309
BIST017	LB031A1753	Mussels	Shellfish	Nickel	I 1A	1	1	0	46.7	mg/kg	2.00	mg/kg	Y	0.0428
BIST017	LB031A1754	Mussels	Shellfish	Nickel	I 1A	1	1	0	46.7	mg/kg	0.490	mg/kg	Y	0.0105
BIST017	LB031F1704	Gulf killifish	Whole Body	Nickel	1	18	18	0	41.5	mg/kg	0.0800	mg/kg	Y	0.00193
BIST017	LB031F1702	Gulf killifish	Whole Body	Nickel	1	18	18	0	41.5	mg/kg	0.200	mg/kg	Y	0.00482
BIST017	LB031A1752	Mussels	Shellfish	Nickel	I 1A	1	1	0	46.7	mg/kg	2.60	mg/kg	Y	0.0557
BIST017	LB031F1703	Gulf killifish	Whole Body	Nickel	1	18	18	0	41.5	mg/kg	0.0700	mg/kg	Y	0.00169
BIST019	LB061F1901	Gulf killifish	Whole Body	Nickel	1	39	39	0	22.7	mg/kg	0.0400	mg/kg	Y	0.00176
BIST019	LB061F1902	Gulf killifish	Whole Body	Nickel	1	39	39	0	22.7	mg/kg	0.0700	mg/kg	Y	0.00308
BIST019	LB061F1903	Gulf killifish	Whole Body	Nickel	1	39	39	0	22.7	mg/kg	0.0700	mg/kg	Y	0.00308
BIST021	LB094F2120	Spotted seatrout	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2103	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST021	LB094F2101	Spotted seatrout	Whole Body	Nickel	3B	69	68	1	17.0	mg/kg	0.0900	mg/kg	Y	0.00530
BIST021	LB094F2107	Atlantic croaker	Whole Body	Nickel	3B	69	68	1	17.0	mg/kg	0.110	mg/kg	Y	0.00648
BIST021	LB094F2151	Spotted seatrout	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST021	LB094F2121	Spotted seatrout	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.100	mg/kg	Y	0.00491
BIST021	LB093F2101	Striped mullet	Whole Body	Nickel	3A	69	68	1	17.0	mg/kg	0.0400	mg/kg	N	0.00236
BIST021	LB093F2105	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.180	mg/kg	Y	0.00885
BIST021	LB093F2106	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.100	mg/kg	Y	0.00491
BIST021	LB094F2122	Spotted seatrout	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST021	LB093F2108	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.290	mg/kg	Y	0.0143
BIST021	LB094F2141	Pinfish	Whole Body	Nickel	3B	69	68	1	17.0	mg/kg	0.0800	mg/kg	Y	0.00471
BIST021	LB093F2107	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.0600	mg/kg	Y	0.00295
BIST021	LB093F2104	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.120	mg/kg	Y	0.00590
BIST021	LB094F2134	Pinfish	Whole Body	Nickel	3B	69	68	1	17.0	mg/kg	0.0800	mg/kg	Y	0.00471
BIST021	LB094F2124	Spotted seatrout	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.130	mg/kg	Y	0.00639
BIST021	LB094F2118	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST021	LB093F2103	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.250	mg/kg	Y	0.0123
BIST021	LB094F2115	Black Drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.0900	mg/kg	Y	0.00442
BIST021	LB094F2104	Red drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	0.100	mg/kg	Y	0.00491
BIST021	LB093F2102	Gizzard shad	Whole Body	Nickel	4A	262	250	12	20.3	mg/kg	0.0700	mg/kg	Y	0.00344
BIST024	LB131F2402	Gulf killifish	Whole Body	Nickel	1	49	49	0	22.7	mg/kg	0.0500	mg/kg	Y	0.00221
BIST024	LB131F2408	Gulf killifish	Whole Body	Nickel	1	49	49	0	22.7	mg/kg	0.0800	mg/kg	Y	0.00353
BIST024	LB131F2406	Gulf killifish	Whole Body	Nickel	1	49	49	0	22.7	mg/kg	0.0500	mg/kg	Y	0.00221
BIST025	LB132F2503	Spot	Whole Body	Nickel	2B	2	2	0	22.7	mg/kg	0.100	mg/kg	Y	0.00442
BIST025	LB132F2502	Gulf menhaden	Whole Body	Nickel	2A	122	119	3	24.9	mg/kg	0.170	mg/kg	Y	0.00682
BIST025	LB131F2502	Gulf killifish	Whole Body	Nickel	1	49	49	0	26.6	mg/kg	0.0500	mg/kg	Y	0.00188
BIST025	LB132F2501	Gulf menhaden	Whole Body	Nickel	2A	122	119	3	24.9	mg/kg	0.240	mg/kg	Y	0.00962
BIST025	LB131F2501	Gulf killifish	Whole Body	Nickel	1	49	49	0	26.6	mg/kg	0.0600	mg/kg	Y	0.00226
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Nickel	1	49	49	0	26.6	mg/kg	0.150	mg/kg	Y	0.00565
BIST026	LB131F2601	Gulf killifish	Whole Body	Nickel	1	48	48	0	28.0	mg/kg	0.0900	mg/kg	Y	0.00321
BIST026	LB131F2604	Gulf killifish	Whole Body	Nickel	1	48	48	0	28.0	mg/kg	0.0400	mg/kg	Y	0.00143
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Nickel	1	32	31	1	31.4	mg/kg	0.0800	mg/kg	Y	0.00255
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Nickel	1	32	31	1	31.4	mg/kg	0.0800	mg/kg	Y	0.00255
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Nickel	1	32	31	1	31.4	mg/kg	0.0900	mg/kg	Y	0.00287
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Nickel	1	30	30	0	29.4	mg/kg	0.100	mg/kg	Y	0.00340
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Nickel	1	30	30	0	29.4	mg/kg	0.0800	mg/kg	Y	0.00272
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Nickel	1	30	30	0	29.4	mg/kg	0.0800	mg/kg	Y	0.00272
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Nickel	1	31	30	1	32.4	mg/kg	0.210	mg/kg	Y	0.00649
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Nickel	1	31	30	1	32.4	mg/kg	0.140	mg/kg	Y	0.00432
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Nickel	1	31	30	1	32.4	mg/kg	0.130	mg/kg	Y	0.00401
BISTC01	BAYD4C0103	Blue crab	Shellfish	Nickel	I 2B	69	68	1	17.2	mg/kg	0.210	mg/kg	Y	0.0122
BISTC01	BAYD4C0101	Blue crab	Shellfish	Nickel	I 2B	69	68	1	17.2	mg/kg	0.0700	mg/kg	Y	0.00407
BISTC02	BAYD4C0203	Blue crab	Shellfish	Nickel	I 2B	77	76	1	18.3	mg/kg	0.110	mg/kg	Y	0.00602
BISTC02	BAYD4C0201	Blue crab	Shellfish	Nickel	I 2B	77	76	1	18.3	mg/kg	0.100	mg/kg	Y	0.00547
BISTC02	BAYD4C0205	Blue crab	Shellfish	Nickel	I 2B	77	76	1	18.3	mg/kg	0.0700	mg/kg	Y	0.00383
BISTC03	BAYD4C0302	Blue crab	Shellfish	Nickel	I 2B	105	104	1	22.6	mg/kg	0.0900	mg/kg	Y	0.00398
BISTC05	BAYD4C0502	Blue crab	Shellfish	Nickel	I 2B	113	105	8	25.9	mg/kg	0.120	mg/kg	Y	0.00463
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Nickel	2A	77	66	11	23.1	mg/kg	2.00	mg/kg	N	0.0867
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Nickel	I 2B	81	71	10	24.0	mg/kg	2.00	mg/kg	N	0.0832
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Nickel	3B	123	120	3	25.9	mg/kg	2.00	mg/kg	N	0.0771

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Nickel	3B	123	120	3	25.9	mg/kg	2.00	mg/kg	N	0.0771
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Nickel	4B	262	250	12	20.3	mg/kg	2.00	mg/kg	N	0.0983
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Nickel	3B	123	120	3	25.9	mg/kg	2.00	mg/kg	N	0.0771
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Nickel	3B	124	121	3	25.5	mg/kg	2.00	mg/kg	N	0.0784
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Nickel	I 1A	1	1	0	14.4	mg/kg	1.60	mg/kg	Y	0.111
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Nickel	I 1B	2	2	0	40.1	mg/kg	2.00	mg/kg	N	0.0499
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Nickel	I 1A	1	1	0	5.10	mg/kg	1.50	mg/kg	Y	0.294
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Nickel	I 1A	1	1	0	5.10	mg/kg	1.30	mg/kg	Y	0.255
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Nickel	I 1A	1	1	0	25.8	mg/kg	1.20	mg/kg	Y	0.0465
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Nickel	I 1A	1	1	0	25.8	mg/kg	1.30	mg/kg	Y	0.0504
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Nickel	I 1A	1	1	0	13.6	mg/kg	1.40	mg/kg	Y	0.103
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Nickel	I 1B	1	1	0	41.3	mg/kg	0.590	mg/kg	Y	0.0143
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Nickel	I 1B	1	1	0	72.9	mg/kg	0.540	mg/kg	Y	0.00741
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Nickel	I 1B	3	3	0	40.7	mg/kg	0.620	mg/kg	Y	0.0152
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Nickel	I 1B	3	3	0	20.5	mg/kg	0.580	mg/kg	Y	0.0283
BIST004	UB041F0402	Gulf killifish	Whole Body	OCDD	1	4	4	0	4450	ng/kg	1.99	ng/kg	N	0.000447
BIST004	UB041F0401	Gulf killifish	Whole Body	OCDD	1	4	4	0	4450	ng/kg	1.58	ng/kg	N	0.000355
BIST004	UB041F0404	Gulf killifish	Whole Body	OCDD	1	4	4	0	4450	ng/kg	1.48	ng/kg	N	0.000331
BIST005	UB051F0508	Gulf killifish	Whole Body	OCDD	1	3	3	0	4070	ng/kg	2.64	ng/kg	N	0.000648
BIST005	UB051F0510	Gulf killifish	Whole Body	OCDD	1	3	3	0	4070	ng/kg	7.72	ng/kg	Y	0.00190
BIST005	UB054F0505	Spotted seatrout	Whole Body	OCDD	3B	9	9	0	3580	ng/kg	0.875	ng/kg	N	0.000244
BIST005	UB051F0518	Gulf killifish	Whole Body	OCDD	1	3	3	0	4070	ng/kg	7.76	ng/kg	Y	0.00191
BIST006	MB014F0630	Sand seatrout	Whole Body	OCDD	3B	7	7	0	4160	ng/kg	1.07	ng/kg	N	0.000256
BIST006	MB012F0601	Gulf menhaden	Whole Body	OCDD	2A	7	7	0	4160	ng/kg	84.1	ng/kg	Y	0.0202
BIST006	MB014F0601	Red drum	Whole Body	OCDD	4B	72	72	0	4430	ng/kg	0.750	ng/kg	N	0.000169
BIST006	MB012F0607	Spot	Whole Body	OCDD	2B	1	1	0	3800	ng/kg	6.21	ng/kg	Y	0.00163
BIST008	MB031V0807	Shrimp	Shellfish	OCDD	I 2A	12	12	0	4560	ng/kg	21.3	ng/kg	Y	0.00467
BIST008	MB031V0801	Shrimp	Shellfish	OCDD	I 2A	12	12	0	4560	ng/kg	20.0	ng/kg	Y	0.00439
BIST011	LB011F1103	Gulf killifish	Whole Body	OCDD	1	12	12	0	6280	ng/kg	1.79	ng/kg	N	0.000284
BIST011	LB011F1105	Gulf killifish	Whole Body	OCDD	1	12	12	0	6280	ng/kg	1.71	ng/kg	N	0.000272
BIST011	LB011F1101	Gulf killifish	Whole Body	OCDD	1	12	12	0	6280	ng/kg	1.41	ng/kg	N	0.000224
BIST015	LB032F1504	Spot	Whole Body	OCDD	2B	1	1	0	12000	ng/kg	5.76	ng/kg	Y	0.000480
BIST015	LB032F1505	Gulf menhaden	Whole Body	OCDD	2A	40	40	0	4700	ng/kg	67.7	ng/kg	Y	0.0144
BIST015	LB032F1502	Gulf menhaden	Whole Body	OCDD	2A	40	40	0	4700	ng/kg	76.9	ng/kg	Y	0.0163
BIST015	LB032F1501	Gulf menhaden	Whole Body	OCDD	2A	40	40	0	4700	ng/kg	75.9	ng/kg	Y	0.0161
BIST015	LB034F1506	Atlantic croaker	Whole Body	OCDD	3B	40	40	0	4700	ng/kg	6.30	ng/kg	N	0.00134
BIST015	LB034F1501	Red drum	Whole Body	OCDD	4B	72	72	0	4430	ng/kg	1.16	ng/kg	N	0.000262
BIST015	LB033F1503	Striped mullet	Whole Body	OCDD	3A	40	40	0	4700	ng/kg	17.0	ng/kg	Y	0.00361
BIST015	LB034F1503	Spotted seatrout	Whole Body	OCDD	3B	40	40	0	4700	ng/kg	0.900	ng/kg	N	0.000191
BIST015	LB033F1502	Striped mullet	Whole Body	OCDD	3A	40	40	0	4700	ng/kg	1.11	ng/kg	N	0.000236
BIST015	LB034F1504	Spotted seatrout	Whole Body	OCDD	3B	40	40	0	4700	ng/kg	1.09	ng/kg	N	0.000231
BIST015	LB033F1501	Striped mullet	Whole Body	OCDD	3A	40	40	0	4700	ng/kg	6.42	ng/kg	Y	0.00136
BIST017	LB031A1752	Mussels	Shellfish	OCDD	I 1A	1	1	0	3200	ng/kg	22.3	ng/kg	Y	0.00697
BIST019	LB061F1902	Gulf killifish	Whole Body	OCDD	1	17	17	0	4030	ng/kg	1.51	ng/kg	N	0.000375
BIST019	LB061F1903	Gulf killifish	Whole Body	OCDD	1	17	17	0	4030	ng/kg	1.88	ng/kg	N	0.000466
BIST019	LB061F1901	Gulf killifish	Whole Body	OCDD	1	17	17	0	4030	ng/kg	1.13	ng/kg	N	0.000281
BIST021	LB094F2120	Spotted seatrout	Whole Body	OCDD	4B	72	72	0	4430	ng/kg	0.685	ng/kg	N	0.000155
BIST021	LB094F2103	Red drum	Whole Body	OCDD	4B	72	72	0	4430	ng/kg	1.26	ng/kg	N	0.000284
BIST021	LB094F2107	Atlantic croaker	Whole Body	OCDD	3B	22	22	0	3730	ng/kg	1.31	ng/kg	N	0.000350
BIST021	LB093F2104	Gizzard shad	Whole Body	OCDD	4A	72	72	0	4430	ng/kg	25.0	ng/kg	Y	0.00564

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2102	Gizzard shad	Whole Body	OCDD	4A	72	72	0	4430	ng/kg	171	ng/kg	Y	0.0386
BIST021	LB093F2103	Gizzard shad	Whole Body	OCDD	4A	72	72	0	4430	ng/kg	22.4	ng/kg	Y	0.00506
BIST027	PPGC1F2712	Gulf killifish	Whole Body	OCDD	1	16	16	0	5360	ng/kg	5.04	ng/kg	Y	0.000941
BIST027	PPGC1F2706	Gulf killifish	Whole Body	OCDD	1	16	16	0	5360	ng/kg	9.46	ng/kg	Y	0.00177
BIST027	PPGC1F2705	Gulf killifish	Whole Body	OCDD	1	16	16	0	5360	ng/kg	8.74	ng/kg	Y	0.00163
BIST029	PPGC1F2903	Gulf killifish	Whole Body	OCDD	1	15	15	0	6460	ng/kg	8.54	ng/kg	Y	0.00132
BIST029	PPGC1F2904	Gulf killifish	Whole Body	OCDD	1	15	15	0	6460	ng/kg	13.5	ng/kg	Y	0.00209
BIST029	PPGC1F2905	Gulf killifish	Whole Body	OCDD	1	15	15	0	6460	ng/kg	23.6	ng/kg	Y	0.00366
BISTC01	BAYD4C0101	Blue crab	Shellfish	OCDD	I 2B	22	22	0	3750	ng/kg	1.89	ng/kg	Y	0.000504
BISTC01	BAYD4C0103	Blue crab	Shellfish	OCDD	I 2B	22	22	0	3750	ng/kg	3.03	ng/kg	Y	0.000808
BISTC02	BAYD4C0203	Blue crab	Shellfish	OCDD	I 2B	26	26	0	3780	ng/kg	1.74	ng/kg	Y	0.000460
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	OCDD	3B	42	42	0	4490	ng/kg	1.90	ng/kg	N	0.000423
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	OCDD	I 1A	1	1	0	7300	ng/kg	110	ng/kg	Y	0.0151
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	OCDD	I 1A	1	1	0	3170	ng/kg	41.2	ng/kg	Y	0.0130
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	OCDD	I 1B	1	1	0	3200	ng/kg	25.4	ng/kg	Y	0.00794
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	OCDD	I 1B	1	1	0	14300	ng/kg	70.9	ng/kg	Y	0.00496
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	OCDD	I 1B	5	5	0	3380	ng/kg	105	ng/kg	Y	0.0310
BIST004	UB041F0404	Gulf killifish	Whole Body	OCDF	1	4	3	1	380	ng/kg	0.180	ng/kg	N	0.000473
BIST004	UB041F0402	Gulf killifish	Whole Body	OCDF	1	4	3	1	380	ng/kg	0.289	ng/kg	N	0.000760
BIST004	UB041F0401	Gulf killifish	Whole Body	OCDF	1	4	3	1	380	ng/kg	0.184	ng/kg	N	0.000484
BIST005	UB051F0510	Gulf killifish	Whole Body	OCDF	1	3	3	0	497	ng/kg	0.311	ng/kg	N	0.000626
BIST005	UB051F0518	Gulf killifish	Whole Body	OCDF	1	3	3	0	497	ng/kg	0.393	ng/kg	N	0.000791
BIST005	UB051F0508	Gulf killifish	Whole Body	OCDF	1	3	3	0	497	ng/kg	0.236	ng/kg	N	0.000474
BIST005	UB054F0505	Spotted seatrout	Whole Body	OCDF	3B	9	8	1	391	ng/kg	0.401	ng/kg	N	0.00102
BIST006	MB014F0601	Red drum	Whole Body	OCDF	4B	72	70	2	17600	ng/kg	1.08	ng/kg	N	0.0000610
BIST006	MB012F0607	Spot	Whole Body	OCDF	2B	1	1	0	350	ng/kg	5.56	ng/kg	Y	0.0159
BIST006	MB014F0630	Sand seatrout	Whole Body	OCDF	3B	7	7	0	550	ng/kg	0.351	ng/kg	N	0.000637
BIST006	MB012F0601	Gulf menhaden	Whole Body	OCDF	2A	7	7	0	550	ng/kg	51.6	ng/kg	Y	0.0938
BIST008	MB031V0801	Shrimp	Shellfish	OCDF	I 2A	12	12	0	1160	ng/kg	6.95	ng/kg	Y	0.00600
BIST008	MB031V0807	Shrimp	Shellfish	OCDF	I 2A	12	12	0	1160	ng/kg	8.46	ng/kg	Y	0.00731
BIST011	LB011F1101	Gulf killifish	Whole Body	OCDF	1	12	12	0	51100	ng/kg	1.63	ng/kg	Y	0.0000319
BIST011	LB011F1105	Gulf killifish	Whole Body	OCDF	1	12	12	0	51100	ng/kg	2.77	ng/kg	Y	0.0000542
BIST011	LB011F1103	Gulf killifish	Whole Body	OCDF	1	12	12	0	51100	ng/kg	51.4	ng/kg	Y	0.00101
BIST015	LB032F1505	Gulf menhaden	Whole Body	OCDF	2A	40	39	1	29100	ng/kg	192	ng/kg	Y	0.00659
BIST015	LB032F1501	Gulf menhaden	Whole Body	OCDF	2A	40	39	1	29100	ng/kg	205	ng/kg	Y	0.00704
BIST015	LB032F1502	Gulf menhaden	Whole Body	OCDF	2A	40	39	1	29100	ng/kg	158	ng/kg	Y	0.00543
BIST015	LB032F1504	Spot	Whole Body	OCDF	2B	1	1	0	38000	ng/kg	27.8	ng/kg	Y	0.000732
BIST015	LB034F1504	Spotted seatrout	Whole Body	OCDF	3B	40	39	1	29100	ng/kg	3.03	ng/kg	Y	0.000104
BIST015	LB034F1503	Spotted seatrout	Whole Body	OCDF	3B	40	39	1	29100	ng/kg	2.96	ng/kg	Y	0.000102
BIST015	LB033F1502	Striped mullet	Whole Body	OCDF	3A	40	39	1	29100	ng/kg	2.82	ng/kg	Y	0.0000968
BIST015	LB034F1506	Atlantic croaker	Whole Body	OCDF	3B	40	39	1	29100	ng/kg	6.95	ng/kg	N	0.000239
BIST015	LB033F1501	Striped mullet	Whole Body	OCDF	3A	40	39	1	29100	ng/kg	18.1	ng/kg	Y	0.000622
BIST015	LB033F1503	Striped mullet	Whole Body	OCDF	3A	40	39	1	29100	ng/kg	57.7	ng/kg	Y	0.00198
BIST015	LB034F1501	Red drum	Whole Body	OCDF	4B	72	70	2	17600	ng/kg	0.265	ng/kg	N	0.0000150
BIST017	LB031A1752	Mussels	Shellfish	OCDF	I 1A	1	1	0	2700	ng/kg	11.4	ng/kg	Y	0.00422
BIST019	LB061F1903	Gulf killifish	Whole Body	OCDF	1	17	17	0	24300	ng/kg	2.56	ng/kg	Y	0.000105
BIST019	LB061F1902	Gulf killifish	Whole Body	OCDF	1	17	17	0	24300	ng/kg	2.09	ng/kg	Y	0.0000859
BIST019	LB061F1901	Gulf killifish	Whole Body	OCDF	1	17	17	0	24300	ng/kg	0.605	ng/kg	N	0.0000249
BIST021	LB094F2107	Atlantic croaker	Whole Body	OCDF	3B	22	21	1	23500	ng/kg	0.630	ng/kg	N	0.0000268
BIST021	LB093F2104	Gizzard shad	Whole Body	OCDF	4A	72	70	2	17600	ng/kg	0.539	ng/kg	Y	0.0000306

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2103	Gizzard shad	Whole Body	OCDF	4A	72	70	2	17600	ng/kg	16.8	ng/kg	Y	0.000954
BIST021	LB094F2120	Spotted seatrout	Whole Body	OCDF	4B	72	70	2	17600	ng/kg	0.248	ng/kg	N	0.0000141
BIST021	LB093F2102	Gizzard shad	Whole Body	OCDF	4A	72	70	2	17600	ng/kg	8.57	ng/kg	Y	0.000486
BIST021	LB094F2103	Red drum	Whole Body	OCDF	4B	72	70	2	17600	ng/kg	0.162	ng/kg	N	0.00000920
BIST027	PPGC1F2712	Gulf killifish	Whole Body	OCDF	1	16	16	0	38800	ng/kg	3.97	ng/kg	Y	0.000102
BIST027	PPGC1F2706	Gulf killifish	Whole Body	OCDF	1	16	16	0	38800	ng/kg	15.0	ng/kg	Y	0.000387
BIST027	PPGC1F2705	Gulf killifish	Whole Body	OCDF	1	16	16	0	38800	ng/kg	16.7	ng/kg	Y	0.000431
BIST029	PPGC1F2904	Gulf killifish	Whole Body	OCDF	1	15	15	0	43500	ng/kg	33.0	ng/kg	Y	0.000758
BIST029	PPGC1F2905	Gulf killifish	Whole Body	OCDF	1	15	15	0	43500	ng/kg	20.2	ng/kg	Y	0.000464
BIST029	PPGC1F2903	Gulf killifish	Whole Body	OCDF	1	15	15	0	43500	ng/kg	9.98	ng/kg	Y	0.000229
BISTC01	BAYD4C0101	Blue crab	Shellfish	OCDF	I 2B	22	21	1	23500	ng/kg	0.955	ng/kg	N	0.0000406
BISTC01	BAYD4C0103	Blue crab	Shellfish	OCDF	I 2B	22	21	1	23500	ng/kg	0.800	ng/kg	N	0.0000340
BISTC02	BAYD4C0203	Blue crab	Shellfish	OCDF	I 2B	26	25	1	20400	ng/kg	0.725	ng/kg	N	0.0000355
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	OCDF	3B	42	41	1	28500	ng/kg	0.600	ng/kg	N	0.0000211
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	OCDF	I 1A	1	1	0	120000	ng/kg	160	ng/kg	Y	0.00133
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	OCDF	I 1A	1	1	0	20700	ng/kg	20.7	ng/kg	Y	0.00100
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	OCDF	I 1B	1	1	0	3900	ng/kg	17.8	ng/kg	Y	0.00456
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	OCDF	I 1B	1	1	0	6410	ng/kg	104	ng/kg	Y	0.0162
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	OCDF	I 1B	5	5	0	35700	ng/kg	420	ng/kg	Y	0.0117
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-105	1	8	8	0	270000	ng/kg	3780	ng/kg	Y	0.0140
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-105	1	8	8	0	270000	ng/kg	5210	ng/kg	Y	0.0193
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-105	1	8	8	0	270000	ng/kg	4880	ng/kg	Y	0.0181
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-105	1	8	8	0	270000	ng/kg	6490	ng/kg	Y	0.0240
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-105	1	8	8	0	270000	ng/kg	8360	ng/kg	Y	0.0310
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-105	3B	10	10	0	217000	ng/kg	8910	ng/kg	Y	0.0410
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-105	1	8	8	0	270000	ng/kg	8530	ng/kg	Y	0.0316
BIST006	MB014F0601	Red drum	Whole Body	PCB-105	4B	44	44	0	54900	ng/kg	11700	ng/kg	Y	0.213
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-105	3B	9	9	0	241000	ng/kg	11800	ng/kg	Y	0.0489
BIST006	MB012F0607	Spot	Whole Body	PCB-105	2B	1	1	0	11700	ng/kg	11500	ng/kg	Y	0.983
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-105	2A	9	9	0	241000	ng/kg	7960	ng/kg	Y	0.0330
BIST008	MB031V0807	Shrimp	Shellfish	PCB-105	I 2A	3	3	0	15000	ng/kg	2190	ng/kg	Y	0.146
BIST008	MB031V0801	Shrimp	Shellfish	PCB-105	I 2A	3	3	0	15000	ng/kg	1870	ng/kg	Y	0.125
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-105	1	9	9	0	9450	ng/kg	2280	ng/kg	Y	0.241
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-105	1	9	9	0	9450	ng/kg	1680	ng/kg	Y	0.178
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-105	1	9	9	0	9450	ng/kg	2280	ng/kg	Y	0.241
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-105	2A	28	28	0	6190	ng/kg	6340	ng/kg	Y	1.02
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-105	2A	28	28	0	6190	ng/kg	6160	ng/kg	Y	0.995
BIST015	LB032F1504	Spot	Whole Body	PCB-105	2B	1	1	0	4450	ng/kg	4370	ng/kg	Y	0.982
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-105	2A	28	28	0	6190	ng/kg	5040	ng/kg	Y	0.814
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-105	3B	28	28	0	6190	ng/kg	4870	ng/kg	Y	0.787
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-105	3B	28	28	0	6190	ng/kg	5680	ng/kg	Y	0.918
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-105	3A	28	28	0	6190	ng/kg	6230	ng/kg	Y	1.01
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-105	3B	28	28	0	6190	ng/kg	5030	ng/kg	Y	0.813
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-105	3A	28	28	0	6190	ng/kg	29900	ng/kg	Y	4.83
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-105	3A	28	28	0	6190	ng/kg	29000	ng/kg	Y	4.69
BIST015	LB034F1501	Red drum	Whole Body	PCB-105	4B	44	44	0	54900	ng/kg	3980	ng/kg	Y	0.0726
BIST017	LB031A1752	Mussels	Shellfish	PCB-105	I 1A	1	1	0	11000	ng/kg	3290	ng/kg	Y	0.299
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-105	1	14	14	0	5260	ng/kg	4250	ng/kg	Y	0.808
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-105	1	14	14	0	5260	ng/kg	4160	ng/kg	Y	0.791
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-105	1	14	14	0	5260	ng/kg	3470	ng/kg	Y	0.659

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2103	Red drum	Whole Body	PCB-105	4B	44	44	0	54900	ng/kg	718	ng/kg	Y	0.0131
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-105	4A	44	44	0	54900	ng/kg	22400	ng/kg	Y	0.408
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-105	3B	15	15	0	4030	ng/kg	2740	ng/kg	Y	0.680
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-105	4B	44	44	0	54900	ng/kg	5550	ng/kg	Y	0.101
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-105	4A	44	44	0	54900	ng/kg	4730	ng/kg	Y	0.0862
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-105	4A	44	44	0	54900	ng/kg	22100	ng/kg	Y	0.403
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-105	1	13	13	0	8550	ng/kg	2990	ng/kg	Y	0.350
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-105	1	13	13	0	8550	ng/kg	2460	ng/kg	Y	0.288
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-105	1	13	13	0	8550	ng/kg	2450	ng/kg	Y	0.287
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-105	1	11	11	0	10000	ng/kg	2930	ng/kg	Y	0.293
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-105	1	11	11	0	10000	ng/kg	2940	ng/kg	Y	0.294
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-105	1	11	11	0	10000	ng/kg	2420	ng/kg	Y	0.242
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-105	I 2B	16	16	0	3980	ng/kg	12100	ng/kg	Y	3.04
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-105	I 2B	16	16	0	3980	ng/kg	9920	ng/kg	Y	2.50
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-105	I 2B	19	19	0	4670	ng/kg	8640	ng/kg	Y	1.85
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-105	I 1A	1	1	0	3290	ng/kg	1000	ng/kg	Y	0.304
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-105	I 1B	1	1	0	22800	ng/kg	1020	ng/kg	Y	0.0447
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-105	I 1B	1	1	0	18000	ng/kg	1450	ng/kg	Y	0.0806
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-105	I 1B	4	4	0	2710	ng/kg	2260	ng/kg	Y	0.833
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-114	1	8	8	0	16600	ng/kg	142	ng/kg	Y	0.00854
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-114	1	8	8	0	16600	ng/kg	191	ng/kg	Y	0.0115
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-114	1	8	8	0	16600	ng/kg	207	ng/kg	Y	0.0124
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-114	1	8	8	0	16600	ng/kg	324	ng/kg	Y	0.0195
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-114	1	8	8	0	16600	ng/kg	331	ng/kg	Y	0.0199
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-114	3B	10	10	0	13300	ng/kg	411	ng/kg	Y	0.0308
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-114	1	8	8	0	16600	ng/kg	246	ng/kg	Y	0.0148
BIST006	MB014F0601	Red drum	Whole Body	PCB-114	4B	44	43	1	4190	ng/kg	546	ng/kg	Y	0.130
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-114	3B	9	9	0	14800	ng/kg	563	ng/kg	Y	0.0380
BIST006	MB012F0607	Spot	Whole Body	PCB-114	2B	1	1	0	361	ng/kg	621	ng/kg	Y	1.72
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-114	2A	9	9	0	14800	ng/kg	438	ng/kg	Y	0.0296
BIST008	MB031V0801	Shrimp	Shellfish	PCB-114	I 2A	3	3	0	719	ng/kg	89.4	ng/kg	Y	0.124
BIST008	MB031V0807	Shrimp	Shellfish	PCB-114	I 2A	3	3	0	719	ng/kg	107	ng/kg	Y	0.149
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-114	1	9	9	0	2810	ng/kg	132	ng/kg	Y	0.0470
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-114	1	9	9	0	2810	ng/kg	193	ng/kg	Y	0.0687
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-114	1	9	9	0	2810	ng/kg	181	ng/kg	Y	0.0644
BIST015	LB032F1504	Spot	Whole Body	PCB-114	2B	1	1	0	351	ng/kg	414	ng/kg	Y	1.18
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-114	2A	28	27	1	1660	ng/kg	381	ng/kg	Y	0.230
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-114	2A	28	27	1	1660	ng/kg	601	ng/kg	Y	0.363
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-114	2A	28	27	1	1660	ng/kg	403	ng/kg	Y	0.243
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-114	3B	28	27	1	1660	ng/kg	327	ng/kg	Y	0.197
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-114	3B	28	27	1	1660	ng/kg	232	ng/kg	Y	0.140
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-114	3A	28	27	1	1660	ng/kg	624	ng/kg	Y	0.377
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-114	3B	28	27	1	1660	ng/kg	277	ng/kg	Y	0.167
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-114	3A	28	27	1	1660	ng/kg	2450	ng/kg	Y	1.48
BIST015	LB034F1501	Red drum	Whole Body	PCB-114	4B	44	43	1	4190	ng/kg	355	ng/kg	Y	0.0847
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-114	3A	28	27	1	1660	ng/kg	1880	ng/kg	Y	1.14
BIST017	LB031A1752	Mussels	Shellfish	PCB-114	I 1A	1	1	0	1080	ng/kg	180	ng/kg	Y	0.167
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-114	1	14	13	1	1340	ng/kg	275	ng/kg	Y	0.206
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-114	1	14	13	1	1340	ng/kg	360	ng/kg	Y	0.269
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-114	1	14	13	1	1340	ng/kg	335	ng/kg	Y	0.250

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-114	4B	44	43	1	4190	ng/kg	339	ng/kg	Y	0.0809
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-114	4A	44	43	1	4190	ng/kg	334	ng/kg	Y	0.0797
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-114	3B	15	14	1	981	ng/kg	174	ng/kg	Y	0.177
BIST021	LB094F2103	Red drum	Whole Body	PCB-114	4B	44	43	1	4190	ng/kg	38.3	ng/kg	Y	0.00914
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-114	4A	44	43	1	4190	ng/kg	1560	ng/kg	Y	0.372
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-114	4A	44	43	1	4190	ng/kg	1470	ng/kg	Y	0.351
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-114	1	13	13	0	2530	ng/kg	260	ng/kg	Y	0.103
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-114	1	13	13	0	2530	ng/kg	286	ng/kg	Y	0.113
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-114	1	13	13	0	2530	ng/kg	224	ng/kg	Y	0.0887
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-114	1	11	11	0	2970	ng/kg	322	ng/kg	Y	0.109
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-114	1	11	11	0	2970	ng/kg	331	ng/kg	Y	0.112
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-114	1	11	11	0	2970	ng/kg	275	ng/kg	Y	0.0927
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-114	I 2B	16	15	1	930	ng/kg	922	ng/kg	Y	0.992
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-114	I 2B	16	15	1	930	ng/kg	788	ng/kg	Y	0.848
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-114	I 2B	19	18	1	1170	ng/kg	765	ng/kg	Y	0.652
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-114	I 1A	1	1	0	711	ng/kg	66.8	ng/kg	Y	0.0940
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-114	I 1B	1	1	0	6040	ng/kg	50.2	ng/kg	Y	0.00831
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-114	I 1B	1	1	0	7080	ng/kg	78.4	ng/kg	Y	0.0111
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-114	I 1B	4	3	1	778	ng/kg	93.9	ng/kg	Y	0.121
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-118	1	1	1	0	9440	ng/kg	19800	ng/kg	Y	2.10
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-118	1	1	1	0	9440	ng/kg	16300	ng/kg	Y	1.73
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-118	1	1	1	0	9440	ng/kg	21200	ng/kg	Y	2.25
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-118	3B	3	3	0	18400	ng/kg	35400	ng/kg	Y	1.92
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-118	1	1	1	0	4650	ng/kg	34900	ng/kg	Y	7.51
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-118	1	1	1	0	4650	ng/kg	35400	ng/kg	Y	7.61
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-118	1	1	1	0	4650	ng/kg	26400	ng/kg	Y	5.68
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-118	2A	2	2	0	22900	ng/kg	32200	ng/kg	Y	1.40
BIST006	MB012F0607	Spot	Whole Body	PCB-118	2B	1	1	0	41200	ng/kg	44400	ng/kg	Y	1.08
BIST006	MB014F0601	Red drum	Whole Body	PCB-118	4B	17	17	0	31000	ng/kg	47300	ng/kg	Y	1.52
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-118	3B	2	2	0	22900	ng/kg	45200	ng/kg	Y	1.97
BIST008	MB031V0801	Shrimp	Shellfish	PCB-118	I 2A	3	3	0	46400	ng/kg	7970	ng/kg	Y	0.172
BIST008	MB031V0807	Shrimp	Shellfish	PCB-118	I 2A	3	3	0	46400	ng/kg	9710	ng/kg	Y	0.209
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-118	1	3	3	0	53600	ng/kg	9660	ng/kg	Y	0.180
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-118	1	3	3	0	53600	ng/kg	6960	ng/kg	Y	0.130
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-118	1	3	3	0	53600	ng/kg	10700	ng/kg	Y	0.200
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-118	2A	10	10	0	27300	ng/kg	24100	ng/kg	Y	0.882
BIST015	LB032F1504	Spot	Whole Body	PCB-118	2B	1	1	0	11900	ng/kg	17200	ng/kg	Y	1.45
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-118	2A	10	10	0	27300	ng/kg	24300	ng/kg	Y	0.889
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-118	2A	10	10	0	27300	ng/kg	19700	ng/kg	Y	0.721
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-118	3B	10	10	0	27300	ng/kg	22500	ng/kg	Y	0.823
BIST015	LB034F1501	Red drum	Whole Body	PCB-118	4B	17	17	0	31000	ng/kg	15100	ng/kg	Y	0.486
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-118	3A	10	10	0	27300	ng/kg	23500	ng/kg	Y	0.860
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-118	3A	10	10	0	27300	ng/kg	107000	ng/kg	Y	3.92
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-118	3A	10	10	0	27300	ng/kg	112000	ng/kg	Y	4.10
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-118	3B	10	10	0	27300	ng/kg	21700	ng/kg	Y	0.794
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-118	3B	10	10	0	27300	ng/kg	19700	ng/kg	Y	0.721
BIST017	LB031A1752	Mussels	Shellfish	PCB-118	I 1A	1	1	0	32900	ng/kg	12600	ng/kg	Y	0.383
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-118	1	4	4	0	22000	ng/kg	18000	ng/kg	Y	0.818
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-118	1	4	4	0	22000	ng/kg	13900	ng/kg	Y	0.632
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-118	1	4	4	0	22000	ng/kg	16800	ng/kg	Y	0.764

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-118	3B	3	3	0	21700	ng/kg	11400	ng/kg	Y	0.525
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-118	4B	17	17	0	31000	ng/kg	23400	ng/kg	Y	0.754
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-118	4A	17	17	0	31000	ng/kg	88500	ng/kg	Y	2.85
BIST021	LB094F2103	Red drum	Whole Body	PCB-118	4B	17	17	0	31000	ng/kg	2770	ng/kg	Y	0.0892
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-118	4A	17	17	0	31000	ng/kg	96900	ng/kg	Y	3.12
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-118	4A	17	17	0	31000	ng/kg	20500	ng/kg	Y	0.660
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-118	1	5	5	0	37300	ng/kg	10700	ng/kg	Y	0.287
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-118	1	5	5	0	37300	ng/kg	12700	ng/kg	Y	0.341
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-118	1	5	5	0	37300	ng/kg	11200	ng/kg	Y	0.301
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-118	1	4	4	0	45600	ng/kg	13600	ng/kg	Y	0.298
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-118	1	4	4	0	45600	ng/kg	13200	ng/kg	Y	0.289
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-118	1	4	4	0	45600	ng/kg	10500	ng/kg	Y	0.230
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-118	I 2B	4	4	0	18800	ng/kg	42400	ng/kg	Y	2.26
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-118	I 2B	4	4	0	18800	ng/kg	49100	ng/kg	Y	2.62
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-118	I 2B	5	5	0	19600	ng/kg	39100	ng/kg	Y	2.00
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-118	I 1A	1	1	0	16900	ng/kg	3670	ng/kg	Y	0.217
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-118	I 1B	1	1	0	87700	ng/kg	3370	ng/kg	Y	0.0384
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-118	I 1B	1	1	0	3910	ng/kg	4530	ng/kg	Y	1.16
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-118	I 1B	1	1	0	15300	ng/kg	7630	ng/kg	Y	0.499
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-123	I 1A	1	1	0	2570	ng/kg	77.7	ng/kg	Y	0.0302
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-123	I 1B	1	1	0	5.26	ng/kg	75.4	ng/kg	Y	14.3
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-123	I 1B	1	1	0	3880	ng/kg	84.1	ng/kg	Y	0.0217
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-123	I 1B	3	3	0	342	ng/kg	180	ng/kg	Y	0.526
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-126	1	8	8	0	5410	ng/kg	152	ng/kg	Y	0.0281
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-126	1	8	8	0	5410	ng/kg	103	ng/kg	Y	0.0190
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-126	1	8	8	0	5410	ng/kg	186	ng/kg	Y	0.0344
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-126	1	8	8	0	5410	ng/kg	192	ng/kg	Y	0.0355
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-126	1	8	8	0	5410	ng/kg	198	ng/kg	Y	0.0366
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-126	3B	10	10	0	4380	ng/kg	254	ng/kg	Y	0.0580
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-126	1	8	8	0	5410	ng/kg	206	ng/kg	Y	0.0381
BIST006	MB012F0607	Spot	Whole Body	PCB-126	2B	1	1	0	436	ng/kg	319	ng/kg	Y	0.732
BIST006	MB014F0601	Red drum	Whole Body	PCB-126	4B	44	41	3	1600	ng/kg	291	ng/kg	Y	0.182
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-126	2A	9	9	0	4860	ng/kg	251	ng/kg	Y	0.0517
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-126	3B	9	9	0	4860	ng/kg	144	ng/kg	Y	0.0296
BIST008	MB031V0807	Shrimp	Shellfish	PCB-126	I 2A	3	3	0	450	ng/kg	64.7	ng/kg	Y	0.144
BIST008	MB031V0801	Shrimp	Shellfish	PCB-126	I 2A	3	3	0	450	ng/kg	51.9	ng/kg	Y	0.115
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-126	1	9	8	1	2200	ng/kg	43.8	ng/kg	Y	0.0199
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-126	1	9	8	1	2200	ng/kg	68.5	ng/kg	Y	0.0311
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-126	1	9	8	1	2200	ng/kg	72.3	ng/kg	Y	0.0329
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-126	2A	28	25	3	862	ng/kg	149	ng/kg	Y	0.173
BIST015	LB032F1504	Spot	Whole Body	PCB-126	2B	1	1	0	310	ng/kg	113	ng/kg	Y	0.365
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-126	2A	28	25	3	862	ng/kg	199	ng/kg	Y	0.231
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-126	2A	28	25	3	862	ng/kg	204	ng/kg	Y	0.237
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-126	3A	28	25	3	862	ng/kg	696	ng/kg	Y	0.808
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-126	3B	28	25	3	862	ng/kg	125	ng/kg	Y	0.145
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-126	3B	28	25	3	862	ng/kg	98.3	ng/kg	Y	0.114
BIST015	LB034F1501	Red drum	Whole Body	PCB-126	4B	44	41	3	1600	ng/kg	25.7	ng/kg	Y	0.0161
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-126	3A	28	25	3	862	ng/kg	704	ng/kg	Y	0.817
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-126	3A	28	25	3	862	ng/kg	164	ng/kg	Y	0.190
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-126	3B	28	25	3	862	ng/kg	35.3	ng/kg	Y	0.0410

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1752	Mussels	Shellfish	PCB-126	I 1A	1	1	0	485	ng/kg	103	ng/kg	Y	0.212
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-126	1	14	12	2	257	ng/kg	111	ng/kg	Y	0.433
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-126	1	14	12	2	257	ng/kg	88.1	ng/kg	Y	0.343
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-126	1	14	12	2	257	ng/kg	115	ng/kg	Y	0.448
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-126	3B	15	13	2	212	ng/kg	11.9	ng/kg	N	0.0561
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-126	4A	44	41	3	1600	ng/kg	842	ng/kg	Y	0.527
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-126	4B	44	41	3	1600	ng/kg	111	ng/kg	Y	0.0695
BIST021	LB094F2103	Red drum	Whole Body	PCB-126	4B	44	41	3	1600	ng/kg	16.4	ng/kg	Y	0.0103
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-126	4A	44	41	3	1600	ng/kg	80.9	ng/kg	Y	0.0506
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-126	4A	44	41	3	1600	ng/kg	787	ng/kg	Y	0.493
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-126	1	13	12	1	1600	ng/kg	72.3	ng/kg	Y	0.0451
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-126	1	13	12	1	1600	ng/kg	98.4	ng/kg	Y	0.0614
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-126	1	13	12	1	1600	ng/kg	79.1	ng/kg	Y	0.0494
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-126	1	11	11	0	1890	ng/kg	80.6	ng/kg	Y	0.0427
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-126	1	11	11	0	1890	ng/kg	87.9	ng/kg	Y	0.0466
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-126	1	11	11	0	1890	ng/kg	78.4	ng/kg	Y	0.0416
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-126	I 2B	16	14	2	204	ng/kg	304	ng/kg	Y	1.49
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-126	I 2B	16	14	2	204	ng/kg	287	ng/kg	Y	1.41
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-126	I 2B	19	17	2	223	ng/kg	223	ng/kg	Y	1.000
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-126	I 1A	1	1	0	187	ng/kg	17.1	ng/kg	Y	0.0914
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-126	I 1B	1	1	0	1570	ng/kg	63.5	ng/kg	Y	0.0404
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-126	I 1B	1	1	0	1180	ng/kg	30.0	ng/kg	Y	0.0254
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-126	I 1B	4	3	1	163	ng/kg	93.8	ng/kg	Y	0.576
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-136	I 1A	1	1	0	2540	ng/kg	487	ng/kg	Y	0.192
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-136	I 1B	1	1	0	13.9	ng/kg	37.9	ng/kg	Y	2.73
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-136	I 1B	1	1	0	7310	ng/kg	175	ng/kg	Y	0.0239
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-136	I 1B	3	2	1	784	ng/kg	253	ng/kg	Y	0.323
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-141	I 1A	1	1	0	5240	ng/kg	709	ng/kg	Y	0.135
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-141	I 1B	1	1	0	18.6	ng/kg	671	ng/kg	Y	36.1
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-141	I 1B	1	1	0	12300	ng/kg	1040	ng/kg	Y	0.0846
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-141	I 1B	3	3	0	1360	ng/kg	2060	ng/kg	Y	1.52
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-156	1	8	8	0	84600	ng/kg	2140	ng/kg	Y	0.0253
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-156	1	8	8	0	84600	ng/kg	2500	ng/kg	Y	0.0296
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-156	1	8	8	0	84600	ng/kg	2540	ng/kg	Y	0.0300
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-156	1	8	8	0	84500	ng/kg	4330	ng/kg	Y	0.0512
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-156	1	8	8	0	84500	ng/kg	4280	ng/kg	Y	0.0506
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-156	1	8	8	0	84500	ng/kg	3150	ng/kg	Y	0.0373
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-156	3B	10	10	0	68400	ng/kg	4260	ng/kg	Y	0.0623
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-156	2A	9	9	0	75900	ng/kg	3670	ng/kg	Y	0.0484
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-156	3B	9	9	0	75900	ng/kg	5950	ng/kg	Y	0.0784
BIST006	MB014F0601	Red drum	Whole Body	PCB-156	4B	44	44	0	19400	ng/kg	5920	ng/kg	Y	0.306
BIST006	MB012F0607	Spot	Whole Body	PCB-156	2B	1	1	0	6800	ng/kg	5090	ng/kg	Y	0.749
BIST008	MB031V0801	Shrimp	Shellfish	PCB-156	I 2A	3	3	0	5080	ng/kg	702	ng/kg	Y	0.138
BIST008	MB031V0807	Shrimp	Shellfish	PCB-156	I 2A	3	3	0	5080	ng/kg	895	ng/kg	Y	0.176
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-156	1	9	9	0	8770	ng/kg	1550	ng/kg	Y	0.177
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-156	1	9	9	0	8770	ng/kg	1280	ng/kg	Y	0.146
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-156	1	9	9	0	8770	ng/kg	949	ng/kg	Y	0.108
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-156	2A	28	28	0	5080	ng/kg	3370	ng/kg	Y	0.664
BIST015	LB032F1504	Spot	Whole Body	PCB-156	2B	1	1	0	1680	ng/kg	2330	ng/kg	Y	1.39
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-156	2A	28	28	0	5080	ng/kg	2720	ng/kg	Y	0.536

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-156	2A	28	28	0	5080	ng/kg	3260	ng/kg	Y	0.642
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-156	3B	28	28	0	5080	ng/kg	2650	ng/kg	Y	0.522
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-156	3A	28	28	0	5080	ng/kg	3030	ng/kg	Y	0.597
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-156	3A	28	28	0	5080	ng/kg	14100	ng/kg	Y	2.78
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-156	3B	28	28	0	5080	ng/kg	2060	ng/kg	Y	0.406
BIST015	LB034F1501	Red drum	Whole Body	PCB-156	4B	44	44	0	19400	ng/kg	1930	ng/kg	Y	0.0997
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-156	3B	28	28	0	5080	ng/kg	2450	ng/kg	Y	0.483
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-156	3A	28	28	0	5080	ng/kg	11500	ng/kg	Y	2.26
BIST017	LB031A1752	Mussels	Shellfish	PCB-156	I 1A	1	1	0	4440	ng/kg	584	ng/kg	Y	0.132
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-156	1	14	14	0	3870	ng/kg	1670	ng/kg	Y	0.432
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-156	1	14	14	0	3870	ng/kg	2180	ng/kg	Y	0.563
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-156	1	14	14	0	3870	ng/kg	2000	ng/kg	Y	0.517
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-156	4A	44	44	0	19400	ng/kg	10400	ng/kg	Y	0.537
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-156	4B	44	44	0	19400	ng/kg	3050	ng/kg	Y	0.158
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-156	3B	15	15	0	3100	ng/kg	1170	ng/kg	Y	0.377
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-156	4A	44	44	0	19400	ng/kg	2160	ng/kg	Y	0.112
BIST021	LB094F2103	Red drum	Whole Body	PCB-156	4B	44	44	0	19400	ng/kg	310	ng/kg	Y	0.0160
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-156	4A	44	44	0	19400	ng/kg	13600	ng/kg	Y	0.703
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-156	1	13	13	0	7490	ng/kg	1570	ng/kg	Y	0.210
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-156	1	13	13	0	7490	ng/kg	1830	ng/kg	Y	0.244
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-156	1	13	13	0	7490	ng/kg	1550	ng/kg	Y	0.207
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-156	1	11	11	0	8790	ng/kg	1930	ng/kg	Y	0.220
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-156	1	11	11	0	8790	ng/kg	1600	ng/kg	Y	0.182
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-156	1	11	11	0	8790	ng/kg	1960	ng/kg	Y	0.223
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-156	I 2B	16	16	0	2990	ng/kg	4580	ng/kg	Y	1.53
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-156	I 2B	16	16	0	2990	ng/kg	5530	ng/kg	Y	1.85
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-156	I 2B	19	19	0	3450	ng/kg	4770	ng/kg	Y	1.38
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-157	1	8	8	0	21200	ng/kg	895	ng/kg	Y	0.0421
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-157	1	8	8	0	21200	ng/kg	806	ng/kg	Y	0.0379
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-157	1	8	8	0	21200	ng/kg	862	ng/kg	Y	0.0406
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-157	1	8	8	0	21200	ng/kg	1460	ng/kg	Y	0.0688
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-157	1	8	8	0	21200	ng/kg	1050	ng/kg	Y	0.0495
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-157	1	8	8	0	21200	ng/kg	1380	ng/kg	Y	0.0650
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-157	3B	10	10	0	17300	ng/kg	1220	ng/kg	Y	0.0705
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-157	2A	9	9	0	19200	ng/kg	1040	ng/kg	Y	0.0542
BIST006	MB014F0601	Red drum	Whole Body	PCB-157	4B	44	43	1	4870	ng/kg	1720	ng/kg	Y	0.353
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-157	3B	9	9	0	19200	ng/kg	1730	ng/kg	Y	0.0902
BIST006	MB012F0607	Spot	Whole Body	PCB-157	2B	1	1	0	2840	ng/kg	1330	ng/kg	Y	0.468
BIST008	MB031V0807	Shrimp	Shellfish	PCB-157	I 2A	3	3	0	1340	ng/kg	246	ng/kg	Y	0.183
BIST008	MB031V0801	Shrimp	Shellfish	PCB-157	I 2A	3	3	0	1340	ng/kg	186	ng/kg	Y	0.138
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-157	1	9	9	0	2030	ng/kg	252	ng/kg	Y	0.124
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-157	1	9	9	0	2030	ng/kg	415	ng/kg	Y	0.204
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-157	1	9	9	0	2030	ng/kg	346	ng/kg	Y	0.170
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-157	2A	28	27	1	1230	ng/kg	953	ng/kg	Y	0.776
BIST015	LB032F1504	Spot	Whole Body	PCB-157	2B	1	1	0	431	ng/kg	613	ng/kg	Y	1.42
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-157	2A	28	27	1	1230	ng/kg	930	ng/kg	Y	0.757
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-157	2A	28	27	1	1230	ng/kg	745	ng/kg	Y	0.606
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-157	3A	28	27	1	1230	ng/kg	3120	ng/kg	Y	2.54
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-157	3B	28	27	1	1230	ng/kg	722	ng/kg	Y	0.588
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-157	3B	28	27	1	1230	ng/kg	594	ng/kg	Y	0.484

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-157	3B	28	27	1	1230	ng/kg	627	ng/kg	Y	0.510
BIST015	LB034F1501	Red drum	Whole Body	PCB-157	4B	44	43	1	4870	ng/kg	574	ng/kg	Y	0.118
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-157	3A	28	27	1	1230	ng/kg	3910	ng/kg	Y	3.18
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-157	3A	28	27	1	1230	ng/kg	763	ng/kg	Y	0.621
BIST017	LB031A1752	Mussels	Shellfish	PCB-157	I 1A	1	1	0	1240	ng/kg	324	ng/kg	Y	0.261
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-157	1	14	13	1	986	ng/kg	581	ng/kg	Y	0.589
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-157	1	14	13	1	986	ng/kg	614	ng/kg	Y	0.623
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-157	1	14	13	1	986	ng/kg	474	ng/kg	Y	0.481
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-157	4A	44	43	1	4870	ng/kg	3290	ng/kg	Y	0.675
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-157	3B	15	14	1	813	ng/kg	315	ng/kg	Y	0.388
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-157	4A	44	43	1	4870	ng/kg	630	ng/kg	Y	0.129
BIST021	LB094F2103	Red drum	Whole Body	PCB-157	4B	44	43	1	4870	ng/kg	84.6	ng/kg	Y	0.0174
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-157	4B	44	43	1	4870	ng/kg	800	ng/kg	Y	0.164
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-157	4A	44	43	1	4870	ng/kg	2730	ng/kg	Y	0.560
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-157	1	13	13	0	1740	ng/kg	495	ng/kg	Y	0.284
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-157	1	13	13	0	1740	ng/kg	415	ng/kg	Y	0.238
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-157	1	13	13	0	1740	ng/kg	439	ng/kg	Y	0.252
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-157	1	11	11	0	2040	ng/kg	494	ng/kg	Y	0.242
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-157	1	11	11	0	2040	ng/kg	513	ng/kg	Y	0.251
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-157	1	11	11	0	2040	ng/kg	416	ng/kg	Y	0.204
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-157	I 2B	16	15	1	782	ng/kg	1250	ng/kg	Y	1.60
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-157	I 2B	16	15	1	782	ng/kg	1570	ng/kg	Y	2.01
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-157	I 2B	19	18	1	881	ng/kg	1270	ng/kg	Y	1.44
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-167	1	8	8	0	34900	ng/kg	1750	ng/kg	Y	0.0501
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-167	1	8	8	0	34900	ng/kg	1960	ng/kg	Y	0.0561
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-167	1	8	8	0	34900	ng/kg	1920	ng/kg	Y	0.0550
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-167	1	8	8	0	34900	ng/kg	2800	ng/kg	Y	0.0803
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-167	1	8	8	0	34900	ng/kg	2220	ng/kg	Y	0.0637
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-167	1	8	8	0	34900	ng/kg	3010	ng/kg	Y	0.0863
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-167	3B	10	10	0	28500	ng/kg	2570	ng/kg	Y	0.0903
BIST006	MB012F0607	Spot	Whole Body	PCB-167	2B	1	1	0	5010	ng/kg	3180	ng/kg	Y	0.635
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-167	3B	9	9	0	31600	ng/kg	2660	ng/kg	Y	0.0843
BIST006	MB014F0601	Red drum	Whole Body	PCB-167	4B	44	44	0	9470	ng/kg	3040	ng/kg	Y	0.321
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-167	2A	9	9	0	31600	ng/kg	2250	ng/kg	Y	0.0713
BIST008	MB031V0801	Shrimp	Shellfish	PCB-167	I 2A	3	3	0	2610	ng/kg	426	ng/kg	Y	0.163
BIST008	MB031V0807	Shrimp	Shellfish	PCB-167	I 2A	3	3	0	2610	ng/kg	503	ng/kg	Y	0.192
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-167	1	9	9	0	7240	ng/kg	689	ng/kg	Y	0.0952
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-167	1	9	9	0	7240	ng/kg	1180	ng/kg	Y	0.163
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-167	1	9	9	0	7240	ng/kg	939	ng/kg	Y	0.130
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-167	2A	28	28	0	4150	ng/kg	2270	ng/kg	Y	0.547
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-167	2A	28	28	0	4150	ng/kg	2100	ng/kg	Y	0.506
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-167	2A	28	28	0	4150	ng/kg	1970	ng/kg	Y	0.474
BIST015	LB032F1504	Spot	Whole Body	PCB-167	2B	1	1	0	1210	ng/kg	1610	ng/kg	Y	1.33
BIST015	LB034F1501	Red drum	Whole Body	PCB-167	4B	44	44	0	9470	ng/kg	775	ng/kg	Y	0.0819
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-167	3A	28	28	0	4150	ng/kg	9530	ng/kg	Y	2.30
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-167	3A	28	28	0	4150	ng/kg	7980	ng/kg	Y	1.92
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-167	3B	28	28	0	4150	ng/kg	1270	ng/kg	Y	0.306
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-167	3B	28	28	0	4150	ng/kg	1470	ng/kg	Y	0.354
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-167	3A	28	28	0	4150	ng/kg	2180	ng/kg	Y	0.525
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-167	3B	28	28	0	4150	ng/kg	1640	ng/kg	Y	0.395

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1752	Mussels	Shellfish	PCB-167	I 1A	1	1	0	2970	ng/kg	856	ng/kg	Y	0.288
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-167	1	14	14	0	3160	ng/kg	1620	ng/kg	Y	0.512
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-167	1	14	14	0	3160	ng/kg	1470	ng/kg	Y	0.465
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-167	1	14	14	0	3160	ng/kg	1230	ng/kg	Y	0.389
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-167	4A	44	44	0	9470	ng/kg	8410	ng/kg	Y	0.888
BIST021	LB094F2103	Red drum	Whole Body	PCB-167	4B	44	44	0	9470	ng/kg	181	ng/kg	Y	0.0191
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-167	3B	15	15	0	2560	ng/kg	841	ng/kg	Y	0.328
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-167	4B	44	44	0	9470	ng/kg	2040	ng/kg	Y	0.215
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-167	4A	44	44	0	9470	ng/kg	1520	ng/kg	Y	0.161
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-167	4A	44	44	0	9470	ng/kg	7240	ng/kg	Y	0.765
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-167	1	13	13	0	6140	ng/kg	1210	ng/kg	Y	0.197
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-167	1	13	13	0	6140	ng/kg	1210	ng/kg	Y	0.197
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-167	1	13	13	0	6140	ng/kg	1380	ng/kg	Y	0.225
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-167	1	11	11	0	7210	ng/kg	1260	ng/kg	Y	0.175
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-167	1	11	11	0	7210	ng/kg	1560	ng/kg	Y	0.216
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-167	1	11	11	0	7210	ng/kg	1590	ng/kg	Y	0.221
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-167	I 2B	16	16	0	2450	ng/kg	3160	ng/kg	Y	1.29
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-167	I 2B	16	16	0	2450	ng/kg	3930	ng/kg	Y	1.61
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-167	I 2B	19	19	0	2820	ng/kg	3370	ng/kg	Y	1.20
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-167	I 1A	1	1	0	1770	ng/kg	289	ng/kg	Y	0.163
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-167	I 1B	1	1	0	19900	ng/kg	414	ng/kg	Y	0.0208
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-167	I 1B	1	1	0	19300	ng/kg	508	ng/kg	Y	0.0263
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-167	I 1B	4	4	0	1890	ng/kg	835	ng/kg	Y	0.443
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-169	1	8	4	4	97.6	ng/kg	12.6	ng/kg	N	0.129
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-169	1	8	4	4	97.6	ng/kg	11.2	ng/kg	N	0.115
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-169	1	8	4	4	97.6	ng/kg	16.7	ng/kg	N	0.171
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-169	1	8	4	4	97.6	ng/kg	9.60	ng/kg	N	0.0984
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-169	1	8	4	4	97.6	ng/kg	10.2	ng/kg	N	0.105
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-169	1	8	4	4	97.6	ng/kg	9.90	ng/kg	N	0.101
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-169	3B	10	5	5	80.0	ng/kg	11.7	ng/kg	Y	0.146
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-169	2A	9	5	4	88.6	ng/kg	10.00	ng/kg	N	0.113
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-169	3B	9	5	4	88.6	ng/kg	15.2	ng/kg	Y	0.172
BIST006	MB012F0607	Spot	Whole Body	PCB-169	2B	1	1	0	16.5	ng/kg	12.9	ng/kg	N	0.779
BIST006	MB014F0601	Red drum	Whole Body	PCB-169	4B	44	26	18	119	ng/kg	9.90	ng/kg	N	0.0829
BIST008	MB031V0807	Shrimp	Shellfish	PCB-169	I 2A	3	2	1	23.2	ng/kg	15.3	ng/kg	N	0.657
BIST008	MB031V0801	Shrimp	Shellfish	PCB-169	I 2A	3	2	1	23.2	ng/kg	15.3	ng/kg	N	0.659
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-169	1	9	7	2	301	ng/kg	9.75	ng/kg	N	0.0324
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-169	1	9	7	2	301	ng/kg	10.8	ng/kg	N	0.0357
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-169	1	9	7	2	301	ng/kg	12.4	ng/kg	N	0.0412
BIST015	LB032F1504	Spot	Whole Body	PCB-169	2B	1	1	0	135	ng/kg	12.3	ng/kg	N	0.0911
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-169	2A	28	16	12	151	ng/kg	11.7	ng/kg	Y	0.0775
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-169	2A	28	16	12	151	ng/kg	23.3	ng/kg	Y	0.154
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-169	2A	28	16	12	151	ng/kg	25.0	ng/kg	Y	0.166
BIST015	LB034F1501	Red drum	Whole Body	PCB-169	4B	44	26	18	119	ng/kg	9.95	ng/kg	N	0.0833
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-169	3B	28	16	12	151	ng/kg	10.1	ng/kg	N	0.0669
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-169	3A	28	16	12	151	ng/kg	12.1	ng/kg	N	0.0802
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-169	3A	28	16	12	151	ng/kg	12.9	ng/kg	N	0.0852
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-169	3B	28	16	12	151	ng/kg	8.78	ng/kg	Y	0.0582
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-169	3B	28	16	12	151	ng/kg	7.28	ng/kg	Y	0.0482
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-169	3A	28	16	12	151	ng/kg	12.8	ng/kg	N	0.0845

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1752	Mussels	Shellfish	PCB-169	I 1A	1	1	0	173	ng/kg	8.25	ng/kg	Y	0.0477
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-169	1	14	7	7	91.4	ng/kg	10.7	ng/kg	N	0.117
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-169	1	14	7	7	91.4	ng/kg	11.3	ng/kg	N	0.123
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-169	1	14	7	7	91.4	ng/kg	11.7	ng/kg	N	0.128
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-169	4B	44	26	18	119	ng/kg	9.90	ng/kg	N	0.0829
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-169	3B	15	7	8	78.0	ng/kg	11.9	ng/kg	N	0.153
BIST021	LB094F2103	Red drum	Whole Body	PCB-169	4B	44	26	18	119	ng/kg	9.95	ng/kg	N	0.0833
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-169	4A	44	26	18	119	ng/kg	10.2	ng/kg	N	0.0850
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-169	4A	44	26	18	119	ng/kg	11.0	ng/kg	N	0.0921
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-169	4A	44	26	18	119	ng/kg	9.95	ng/kg	N	0.0833
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-169	1	13	10	3	230	ng/kg	11.9	ng/kg	N	0.0516
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-169	1	13	10	3	230	ng/kg	13.0	ng/kg	N	0.0564
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-169	1	13	10	3	230	ng/kg	12.0	ng/kg	N	0.0523
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-169	1	11	9	2	268	ng/kg	12.2	ng/kg	N	0.0455
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-169	1	11	9	2	268	ng/kg	12.1	ng/kg	N	0.0451
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-169	1	11	9	2	268	ng/kg	12.9	ng/kg	N	0.0481
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-169	I 2B	16	7	9	73.3	ng/kg	9.95	ng/kg	N	0.136
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-169	I 2B	16	7	9	73.3	ng/kg	25.4	ng/kg	Y	0.347
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-169	I 2B	19	9	10	74.6	ng/kg	23.1	ng/kg	Y	0.310
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-169	I 1A	1	1	0	141	ng/kg	1.07	ng/kg	N	0.00759
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-169	I 1B	1	1	0	984	ng/kg	1.04	ng/kg	N	0.00105
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-169	I 1B	1	1	0	418	ng/kg	6.82	ng/kg	Y	0.0163
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-169	I 1B	4	1	3	87.9	ng/kg	1.92	ng/kg	N	0.0218
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-174	I 1A	1	1	0	5880	ng/kg	589	ng/kg	Y	0.100
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-174	I 1B	1	1	0	24.7	ng/kg	371	ng/kg	Y	15.0
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-174	I 1B	1	1	0	15900	ng/kg	914	ng/kg	Y	0.0575
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-174	I 1B	3	3	0	1320	ng/kg	1200	ng/kg	Y	0.908
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-179	I 1A	1	1	0	2150	ng/kg	251	ng/kg	Y	0.117
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-179	I 1B	1	1	0	11.1	ng/kg	104	ng/kg	Y	9.37
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-179	I 1B	1	1	0	8090	ng/kg	338	ng/kg	Y	0.0418
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-179	I 1B	3	2	1	524	ng/kg	385	ng/kg	Y	0.734
BIST004	UB041F0404	Gulf killifish	Whole Body	PCB-189	1	8	8	0	3320	ng/kg	132	ng/kg	Y	0.0397
BIST004	UB041F0402	Gulf killifish	Whole Body	PCB-189	1	8	8	0	3320	ng/kg	167	ng/kg	Y	0.0503
BIST004	UB041F0401	Gulf killifish	Whole Body	PCB-189	1	8	8	0	3320	ng/kg	149	ng/kg	Y	0.0449
BIST005	UB051F0518	Gulf killifish	Whole Body	PCB-189	1	8	8	0	3310	ng/kg	203	ng/kg	Y	0.0613
BIST005	UB051F0510	Gulf killifish	Whole Body	PCB-189	1	8	8	0	3310	ng/kg	157	ng/kg	Y	0.0474
BIST005	UB054F0505	Spotted seatrout	Whole Body	PCB-189	3B	10	10	0	2740	ng/kg	356	ng/kg	Y	0.130
BIST005	UB051F0508	Gulf killifish	Whole Body	PCB-189	1	8	8	0	3310	ng/kg	202	ng/kg	Y	0.0610
BIST006	MB012F0607	Spot	Whole Body	PCB-189	2B	1	1	0	739	ng/kg	579	ng/kg	Y	0.783
BIST006	MB014F0630	Sand seatrout	Whole Body	PCB-189	3B	9	9	0	3030	ng/kg	502	ng/kg	Y	0.166
BIST006	MB014F0601	Red drum	Whole Body	PCB-189	4B	44	44	0	2450	ng/kg	380	ng/kg	Y	0.155
BIST006	MB012F0601	Gulf menhaden	Whole Body	PCB-189	2A	9	9	0	3030	ng/kg	436	ng/kg	Y	0.144
BIST008	MB031V0801	Shrimp	Shellfish	PCB-189	I 2A	3	3	0	457	ng/kg	59.1	ng/kg	Y	0.129
BIST008	MB031V0807	Shrimp	Shellfish	PCB-189	I 2A	3	3	0	457	ng/kg	63.6	ng/kg	Y	0.139
BIST011	LB011F1101	Gulf killifish	Whole Body	PCB-189	1	9	9	0	5090	ng/kg	242	ng/kg	Y	0.0475
BIST011	LB011F1103	Gulf killifish	Whole Body	PCB-189	1	9	9	0	5090	ng/kg	208	ng/kg	Y	0.0408
BIST011	LB011F1105	Gulf killifish	Whole Body	PCB-189	1	9	9	0	5090	ng/kg	162	ng/kg	Y	0.0318
BIST015	LB032F1502	Gulf menhaden	Whole Body	PCB-189	2A	28	28	0	2710	ng/kg	918	ng/kg	Y	0.339
BIST015	LB032F1501	Gulf menhaden	Whole Body	PCB-189	2A	28	28	0	2710	ng/kg	639	ng/kg	Y	0.236
BIST015	LB032F1504	Spot	Whole Body	PCB-189	2B	1	1	0	929	ng/kg	509	ng/kg	Y	0.548

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1505	Gulf menhaden	Whole Body	PCB-189	2A	28	28	0	2710	ng/kg	515	ng/kg	Y	0.190
BIST015	LB034F1506	Atlantic croaker	Whole Body	PCB-189	3B	28	28	0	2710	ng/kg	287	ng/kg	Y	0.106
BIST015	LB033F1503	Striped mullet	Whole Body	PCB-189	3A	28	28	0	2710	ng/kg	1750	ng/kg	Y	0.646
BIST015	LB033F1502	Striped mullet	Whole Body	PCB-189	3A	28	28	0	2710	ng/kg	762	ng/kg	Y	0.281
BIST015	LB034F1504	Spotted seatrout	Whole Body	PCB-189	3B	28	28	0	2710	ng/kg	176	ng/kg	Y	0.0650
BIST015	LB034F1501	Red drum	Whole Body	PCB-189	4B	44	44	0	2450	ng/kg	92.2	ng/kg	Y	0.0376
BIST015	LB034F1503	Spotted seatrout	Whole Body	PCB-189	3B	28	28	0	2710	ng/kg	241	ng/kg	Y	0.0890
BIST015	LB033F1501	Striped mullet	Whole Body	PCB-189	3A	28	28	0	2710	ng/kg	3040	ng/kg	Y	1.12
BIST017	LB031A1752	Mussels	Shellfish	PCB-189	I 1A	1	1	0	1090	ng/kg	51.2	ng/kg	Y	0.0470
BIST019	LB061F1903	Gulf killifish	Whole Body	PCB-189	1	14	14	0	1830	ng/kg	334	ng/kg	Y	0.182
BIST019	LB061F1901	Gulf killifish	Whole Body	PCB-189	1	14	14	0	1830	ng/kg	256	ng/kg	Y	0.140
BIST019	LB061F1902	Gulf killifish	Whole Body	PCB-189	1	14	14	0	1830	ng/kg	314	ng/kg	Y	0.171
BIST021	LB094F2103	Red drum	Whole Body	PCB-189	4B	44	44	0	2450	ng/kg	32.7	ng/kg	Y	0.0133
BIST021	LB094F2107	Atlantic croaker	Whole Body	PCB-189	3B	15	15	0	1510	ng/kg	141	ng/kg	Y	0.0932
BIST021	LB093F2104	Gizzard shad	Whole Body	PCB-189	4A	44	44	0	2450	ng/kg	398	ng/kg	Y	0.162
BIST021	LB093F2103	Gizzard shad	Whole Body	PCB-189	4A	44	44	0	2450	ng/kg	2080	ng/kg	Y	0.848
BIST021	LB093F2102	Gizzard shad	Whole Body	PCB-189	4A	44	44	0	2450	ng/kg	2860	ng/kg	Y	1.17
BIST021	LB094F2120	Spotted seatrout	Whole Body	PCB-189	4B	44	44	0	2450	ng/kg	568	ng/kg	Y	0.232
BIST027	PPGC1F2705	Gulf killifish	Whole Body	PCB-189	1	13	13	0	4180	ng/kg	404	ng/kg	Y	0.0966
BIST027	PPGC1F2712	Gulf killifish	Whole Body	PCB-189	1	13	13	0	4180	ng/kg	290	ng/kg	Y	0.0693
BIST027	PPGC1F2706	Gulf killifish	Whole Body	PCB-189	1	13	13	0	4180	ng/kg	374	ng/kg	Y	0.0894
BIST029	PPGC1F2905	Gulf killifish	Whole Body	PCB-189	1	11	11	0	4910	ng/kg	472	ng/kg	Y	0.0961
BIST029	PPGC1F2904	Gulf killifish	Whole Body	PCB-189	1	11	11	0	4910	ng/kg	416	ng/kg	Y	0.0847
BIST029	PPGC1F2903	Gulf killifish	Whole Body	PCB-189	1	11	11	0	4910	ng/kg	481	ng/kg	Y	0.0979
BISTC01	BAYD4C0101	Blue crab	Shellfish	PCB-189	I 2B	16	16	0	1430	ng/kg	437	ng/kg	Y	0.305
BISTC01	BAYD4C0103	Blue crab	Shellfish	PCB-189	I 2B	16	16	0	1430	ng/kg	551	ng/kg	Y	0.385
BISTC02	BAYD4C0203	Blue crab	Shellfish	PCB-189	I 2B	19	19	0	1640	ng/kg	418	ng/kg	Y	0.254
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-189	I 1A	1	1	0	1100	ng/kg	39.1	ng/kg	Y	0.0355
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-189	I 1B	1	1	0	12200	ng/kg	52.7	ng/kg	Y	0.00432
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-189	I 1B	1	1	0	13500	ng/kg	93.6	ng/kg	Y	0.00693
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-189	I 1B	4	4	0	1250	ng/kg	83.2	ng/kg	Y	0.0664
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-194	I 1A	1	1	0	23300	ng/kg	177	ng/kg	Y	0.00760
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-194	I 1B	1	1	0	56.3	ng/kg	265	ng/kg	Y	4.71
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-194	I 1B	1	1	0	90000	ng/kg	534	ng/kg	Y	0.00593
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-194	I 1B	3	3	0	4340	ng/kg	430	ng/kg	Y	0.0990
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-202	I 1A	1	1	0	2390	ng/kg	101	ng/kg	Y	0.0423
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-202	I 1B	1	1	0	7.73	ng/kg	73.3	ng/kg	Y	9.48
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-202	I 1B	1	1	0	11400	ng/kg	249	ng/kg	Y	0.0218
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-202	I 1B	3	2	1	482	ng/kg	160	ng/kg	Y	0.332
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-206	I 1A	1	1	0	152000	ng/kg	1410	ng/kg	Y	0.00928
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-206	I 1B	1	1	0	295	ng/kg	318	ng/kg	Y	1.08
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-206	I 1B	1	1	0	523000	ng/kg	1160	ng/kg	Y	0.00222
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-206	I 1B	3	3	0	28600	ng/kg	387	ng/kg	Y	0.0136
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-207	I 1A	1	1	0	30300	ng/kg	372	ng/kg	Y	0.0123
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-207	I 1B	1	1	0	45.8	ng/kg	118	ng/kg	Y	2.58
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-207	I 1B	1	1	0	85900	ng/kg	384	ng/kg	Y	0.00447
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-207	I 1B	3	3	0	4690	ng/kg	143	ng/kg	Y	0.0305
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-208	I 1A	1	1	0	20200	ng/kg	370	ng/kg	Y	0.0183
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-208	I 1B	1	1	0	39.1	ng/kg	119	ng/kg	Y	3.04
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-208	I 1B	1	1	0	69900	ng/kg	499	ng/kg	Y	0.00714

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-208	I 1B	3	3	0	3320	ng/kg	157	ng/kg	Y	0.0472
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	PCB-209	I 1A	1	1	0	366000	ng/kg	3010	ng/kg	Y	0.00822
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	PCB-209	I 1B	1	1	0	718	ng/kg	642	ng/kg	Y	0.894
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	PCB-209	I 1B	1	1	0	1080000	ng/kg	2720	ng/kg	Y	0.00252
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	PCB-209	I 1B	3	3	0	71400	ng/kg	906	ng/kg	Y	0.0127
BIST005	UB054F0505	Spotted seatrout	Whole Body	Pentachlorophenol	3B	33	0	33	1620	ug/kg	60.0	ug/kg	N	0.0370
BIST005	UB054F0506	Spotted seatrout	Whole Body	Pentachlorophenol	3B	33	0	33	1620	ug/kg	60.0	ug/kg	N	0.0370
BIST005	UB054F0507	Spotted seatrout	Whole Body	Pentachlorophenol	3B	33	0	33	1620	ug/kg	60.0	ug/kg	N	0.0370
BIST005	UB054F0508	Spotted seatrout	Whole Body	Pentachlorophenol	3B	33	0	33	1620	ug/kg	60.0	ug/kg	N	0.0370
BIST005	UB052F0501	Gulf menhaden	Whole Body	Pentachlorophenol	2A	33	0	33	1620	ug/kg	250	ug/kg	N	0.154
BIST005	UB054F0511	Spotted seatrout	Whole Body	Pentachlorophenol	3B	33	0	33	1620	ug/kg	60.0	ug/kg	N	0.0370
BIST006	MB012F0610	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	150	ug/kg	N	0.0834
BIST006	MB014F0612	Spotted seatrout	Whole Body	Pentachlorophenol	3B	31	0	31	1800	ug/kg	60.0	ug/kg	N	0.0334
BIST006	MB012F0603	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	100.0	ug/kg	N	0.0556
BIST006	MB012F0619	Spot	Whole Body	Pentachlorophenol	2B	3	0	3	713	ug/kg	150	ug/kg	N	0.210
BIST006	MB012F0602	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	150	ug/kg	N	0.0834
BIST006	MB012F0601	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	200	ug/kg	N	0.111
BIST006	MB014F0615	Sand seatrout	Whole Body	Pentachlorophenol	3B	31	0	31	1800	ug/kg	60.0	ug/kg	N	0.0334
BIST006	MB014F0604	Spotted seatrout	Whole Body	Pentachlorophenol	3B	31	0	31	1800	ug/kg	60.0	ug/kg	N	0.0334
BIST006	MB012F0609	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	400	ug/kg	N	0.222
BIST006	MB014F0608	Spotted seatrout	Whole Body	Pentachlorophenol	3B	31	0	31	1800	ug/kg	60.0	ug/kg	N	0.0334
BIST006	MB012F0606	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	150	ug/kg	N	0.0834
BIST006	MB012F0611	Spot	Whole Body	Pentachlorophenol	2B	3	0	3	713	ug/kg	150	ug/kg	N	0.210
BIST006	MB012F0607	Spot	Whole Body	Pentachlorophenol	2B	3	0	3	713	ug/kg	200	ug/kg	N	0.280
BIST006	MB012F0605	Gulf menhaden	Whole Body	Pentachlorophenol	2A	31	0	31	1800	ug/kg	200	ug/kg	N	0.111
BIST006	MB014F0630	Sand seatrout	Whole Body	Pentachlorophenol	3B	31	0	31	1800	ug/kg	60.0	ug/kg	N	0.0334
BIST006	MB014F0603	Spotted seatrout	Whole Body	Pentachlorophenol	3B	31	0	31	1800	ug/kg	60.0	ug/kg	N	0.0334
BIST007	MB011F0704	Gulf killifish	Whole Body	Pentachlorophenol	1	11	0	11	1180	ug/kg	500	ug/kg	N	0.425
BIST008	MB031V0812	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0807	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0803	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	500	ug/kg	N	0.361
BIST008	MB031V0818	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0813	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	100.0	ug/kg	N	0.0721
BIST008	MB031V0810	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0802	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	100.0	ug/kg	N	0.0721
BIST008	MB031V0808	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0811	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0817	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0819	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	50.0	ug/kg	N	0.0361
BIST008	MB031V0801	Shrimp	Shellfish	Pentachlorophenol	I 2A	47	0	47	1390	ug/kg	500	ug/kg	N	0.361
BIST011	LB011F1103	Gulf killifish	Whole Body	Pentachlorophenol	1	23	0	23	1580	ug/kg	500	ug/kg	N	0.317
BIST011	LB011F1105	Gulf killifish	Whole Body	Pentachlorophenol	1	23	0	23	1580	ug/kg	500	ug/kg	N	0.317
BIST011	LB011F1101	Gulf killifish	Whole Body	Pentachlorophenol	1	23	0	23	1580	ug/kg	500	ug/kg	N	0.317
BIST012	LB011F1201	Gulf killifish	Whole Body	Pentachlorophenol	1	26	0	26	1680	ug/kg	500	ug/kg	N	0.297
BIST012	LB011F1202	Gulf killifish	Whole Body	Pentachlorophenol	1	26	0	26	1680	ug/kg	250	ug/kg	N	0.148
BIST012	LB011F1204	Gulf killifish	Whole Body	Pentachlorophenol	1	26	0	26	1680	ug/kg	50.0	ug/kg	N	0.0297
BIST013	LB011F1302	Gulf killifish	Whole Body	Pentachlorophenol	1	27	0	27	1450	ug/kg	100.0	ug/kg	N	0.0688
BIST013	LB011F1305	Gulf killifish	Whole Body	Pentachlorophenol	1	27	0	27	1450	ug/kg	250	ug/kg	N	0.172
BIST013	LB011F1301	Gulf killifish	Whole Body	Pentachlorophenol	1	27	0	27	1450	ug/kg	250	ug/kg	N	0.172
BIST015	LB031F1504	Gulf killifish	Whole Body	Pentachlorophenol	1	35	0	35	10300	ug/kg	500	ug/kg	N	0.0487

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1506	Spot	Whole Body	Pentachlorophenol	2B	3	0	3	10200	ug/kg	100.0	ug/kg	N	0.00977
BIST015	LB032F1505	Gulf menhaden	Whole Body	Pentachlorophenol	2A	112	0	112	4240	ug/kg	150	ug/kg	N	0.0354
BIST015	LB032F1503	Threadfin shad	Whole Body	Pentachlorophenol	2A	112	0	112	4240	ug/kg	200	ug/kg	N	0.0472
BIST015	LB031F1506	Gulf killifish	Whole Body	Pentachlorophenol	1	35	0	35	10300	ug/kg	250	ug/kg	N	0.0243
BIST015	LB032F1502	Gulf menhaden	Whole Body	Pentachlorophenol	2A	112	0	112	4240	ug/kg	200	ug/kg	N	0.0472
BIST015	LB031F1502	Gulf killifish	Whole Body	Pentachlorophenol	1	35	0	35	10300	ug/kg	250	ug/kg	N	0.0243
BIST015	LB032F1501	Gulf menhaden	Whole Body	Pentachlorophenol	2A	112	0	112	4240	ug/kg	200	ug/kg	N	0.0472
BIST015	LB033F1514	Striped mullet	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST015	LB033F1513	Striped mullet	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST015	LB034F1505	Spotted seatrout	Whole Body	Pentachlorophenol	3B	112	0	112	4240	ug/kg	60.0	ug/kg	N	0.0141
BIST015	LB032F1507	Gulf menhaden	Whole Body	Pentachlorophenol	2A	112	0	112	4240	ug/kg	100.0	ug/kg	N	0.0236
BIST015	LB034F1504	Spotted seatrout	Whole Body	Pentachlorophenol	3B	112	0	112	4240	ug/kg	60.0	ug/kg	N	0.0141
BIST015	LB033F1511	Striped mullet	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST015	LB033F1512	Striped mullet	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST015	LB033F1510	Striped mullet	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST015	LB034F1506	Atlantic croaker	Whole Body	Pentachlorophenol	3B	112	0	112	4240	ug/kg	60.0	ug/kg	N	0.0141
BIST021	LB093F2105	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB093F2106	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB093F2107	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB094F2107	Atlantic croaker	Whole Body	Pentachlorophenol	3B	62	0	62	1670	ug/kg	60.0	ug/kg	N	0.0360
BIST021	LB093F2108	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB093F2103	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB093F2102	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB093F2104	Gizzard shad	Whole Body	Pentachlorophenol	4A	242	0	242	2740	ug/kg	60.0	ug/kg	N	0.0219
BIST021	LB094F2141	Pinfish	Whole Body	Pentachlorophenol	3B	62	0	62	1670	ug/kg	60.0	ug/kg	N	0.0360
BIST021	LB094F2134	Pinfish	Whole Body	Pentachlorophenol	3B	62	0	62	1670	ug/kg	60.0	ug/kg	N	0.0360
BIST024	LB131F2402	Gulf killifish	Whole Body	Pentachlorophenol	1	42	0	42	1490	ug/kg	250	ug/kg	N	0.168
BIST024	LB131F2406	Gulf killifish	Whole Body	Pentachlorophenol	1	42	0	42	1490	ug/kg	500	ug/kg	N	0.335
BIST024	LB131F2408	Gulf killifish	Whole Body	Pentachlorophenol	1	42	0	42	1490	ug/kg	500	ug/kg	N	0.335
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Pentachlorophenol	1	42	0	42	2240	ug/kg	1000	ug/kg	N	0.446
BIST025	LB131F2502	Gulf killifish	Whole Body	Pentachlorophenol	1	42	0	42	2240	ug/kg	500	ug/kg	N	0.223
BIST025	LB132F2503	Spot	Whole Body	Pentachlorophenol	2B	2	0	2	510	ug/kg	150	ug/kg	N	0.294
BIST025	LB132F2501	Gulf menhaden	Whole Body	Pentachlorophenol	2A	104	0	104	4470	ug/kg	200	ug/kg	N	0.0447
BIST025	LB132F2502	Gulf menhaden	Whole Body	Pentachlorophenol	2A	104	0	104	4470	ug/kg	50.0	ug/kg	N	0.0112
BIST026	LB131F2601	Gulf killifish	Whole Body	Pentachlorophenol	1	35	0	35	2430	ug/kg	100.0	ug/kg	N	0.0412
BIST026	LB131F2604	Gulf killifish	Whole Body	Pentachlorophenol	1	35	0	35	2430	ug/kg	250	ug/kg	N	0.103
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Pentachlorophenol	2A	69	0	69	1440	ug/kg	5000	ug/kg	N	3.47
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Pentachlorophenol	I 2B	71	0	71	1490	ug/kg	5000	ug/kg	N	3.35
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Pentachlorophenol	3B	106	0	106	4380	ug/kg	5000	ug/kg	N	1.14
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Pentachlorophenol	3B	106	0	106	4380	ug/kg	2500	ug/kg	N	0.570
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Pentachlorophenol	3B	106	0	106	4380	ug/kg	5000	ug/kg	N	1.14
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Pentachlorophenol	4B	242	0	242	2740	ug/kg	2500	ug/kg	N	0.913
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Pentachlorophenol	3B	106	0	106	4400	ug/kg	2500	ug/kg	N	0.569
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Pentachlorophenol	I 1A	1	0	1	230	ug/kg	5000	ug/kg	N	21.7
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Pentachlorophenol	I 1B	2	0	2	1200	ug/kg	5000	ug/kg	N	4.17
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Pentachlorophenol	I 1A	1	0	1	700	ug/kg	850	ug/kg	N	1.21
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Pentachlorophenol	I 1A	1	0	1	700	ug/kg	850	ug/kg	N	1.21
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Pentachlorophenol	I 1A	1	0	1	1050	ug/kg	850	ug/kg	N	0.810
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Pentachlorophenol	I 1A	1	0	1	1050	ug/kg	850	ug/kg	N	0.810
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Pentachlorophenol	I 1A	1	0	1	1200	ug/kg	850	ug/kg	N	0.708

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Pentachlorophenol	I 1B	1	0	1	1300	ug/kg	850	ug/kg	N	0.654
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Pentachlorophenol	I 1B	1	0	1	1350	ug/kg	850	ug/kg	N	0.630
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Pentachlorophenol	I 1B	2	0	2	1180	ug/kg	850	ug/kg	N	0.723
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Pentachlorophenol	I 1B	2	0	2	590	ug/kg	850	ug/kg	N	1.44
BIST004	UB041F0404	Gulf killifish	Whole Body	Phenanthrene	1	15	1	14	779	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0401	Gulf killifish	Whole Body	Phenanthrene	1	15	1	14	779	ug/kg	100.0	ug/kg	N	0.128
BIST004	UB041F0402	Gulf killifish	Whole Body	Phenanthrene	1	15	1	14	779	ug/kg	20.0	ug/kg	N	0.0257
BIST005	UB054F0511	Spotted seatrout	Whole Body	Phenanthrene	3B	34	6	28	604	ug/kg	25.0	ug/kg	N	0.0414
BIST005	UB052F0501	Gulf menhaden	Whole Body	Phenanthrene	2A	34	6	28	604	ug/kg	100.0	ug/kg	N	0.166
BIST005	UB051F0510	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB051F0523	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB054F0514	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	20.0	ug/kg	N	0.0200
BIST005	UB054F0516	Skipjack herring	Whole Body	Phenanthrene	3A	34	6	28	604	ug/kg	25.0	ug/kg	N	0.0414
BIST005	UB054F0515	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST005	UB051F0511	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB051F0501	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB051F0520	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB054F0508	Spotted seatrout	Whole Body	Phenanthrene	3B	34	6	28	604	ug/kg	25.0	ug/kg	N	0.0414
BIST005	UB051F0504	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB051F0518	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB054F0507	Spotted seatrout	Whole Body	Phenanthrene	3B	34	6	28	604	ug/kg	25.0	ug/kg	N	0.0414
BIST005	UB051F0515	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	100.0	ug/kg	N	0.136
BIST005	UB051F0525	Sailfin molly	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	60.0	ug/kg	N	0.0818
BIST005	UB054F0502	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST005	UB054F0504	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST005	UB051F0508	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB054F0505	Spotted seatrout	Whole Body	Phenanthrene	3B	34	6	28	604	ug/kg	25.0	ug/kg	N	0.0414
BIST005	UB051F0509	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB051F0503	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB054F0503	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST005	UB054F0506	Spotted seatrout	Whole Body	Phenanthrene	3B	34	6	28	604	ug/kg	25.0	ug/kg	N	0.0414
BIST005	UB051F0502	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB051F0505	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB051F0516	Gulf killifish	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	40.0	ug/kg	N	0.0546
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	20.0	ug/kg	N	0.0273
BIST005	UB051F0512	Sailfin molly	Whole Body	Phenanthrene	1	13	4	9	733	ug/kg	80.0	ug/kg	N	0.109
BIST005	UB054F0501	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	20.0	ug/kg	N	0.0200
BIST006	MB011F0615	Gulf killifish	Whole Body	Phenanthrene	1	15	4	11	348	ug/kg	200	ug/kg	N	0.574
BIST006	MB014F0628	White mullet	Whole Body	Phenanthrene	3A	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST006	MB012F0607	Spot	Whole Body	Phenanthrene	2B	3	1	2	286	ug/kg	80.0	ug/kg	N	0.280
BIST006	MB014F0612	Spotted seatrout	Whole Body	Phenanthrene	3B	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST006	MB011F0607	Gulf killifish	Whole Body	Phenanthrene	1	15	4	11	348	ug/kg	200	ug/kg	N	0.574
BIST006	MB014F0603	Spotted seatrout	Whole Body	Phenanthrene	3B	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST006	MB012F0613	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	20.0	ug/kg	N	0.0303
BIST006	MB014F0630	Sand seatrout	Whole Body	Phenanthrene	3B	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST006	MB012F0610	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	60.0	ug/kg	N	0.0909
BIST006	MB011F0605	Gulf killifish	Whole Body	Phenanthrene	1	15	4	11	348	ug/kg	100.0	ug/kg	N	0.287
BIST006	MB012F0606	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	60.0	ug/kg	N	0.0909
BIST006	MB012F0605	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	80.0	ug/kg	N	0.121
BIST006	MB012F0611	Spot	Whole Body	Phenanthrene	2B	3	1	2	286	ug/kg	60.0	ug/kg	N	0.210

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0602	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST006	MB014F0608	Spotted seatrout	Whole Body	Phenanthrene	3B	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST006	MB014F0605	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST006	MB014F0615	Sand seatrout	Whole Body	Phenanthrene	3B	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST006	MB012F0609	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	160	ug/kg	N	0.242
BIST006	MB012F0603	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	40.0	ug/kg	N	0.0606
BIST006	MB011F0616	Gulf killifish	Whole Body	Phenanthrene	1	15	4	11	348	ug/kg	100.0	ug/kg	N	0.287
BIST006	MB012F0619	Spot	Whole Body	Phenanthrene	2B	3	1	2	286	ug/kg	60.0	ug/kg	N	0.210
BIST006	MB012F0601	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	80.0	ug/kg	N	0.121
BIST006	MB012F0602	Gulf menhaden	Whole Body	Phenanthrene	2A	32	5	27	660	ug/kg	60.0	ug/kg	N	0.0909
BIST006	MB014F0601	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST006	MB011F0624	Gulf killifish	Whole Body	Phenanthrene	1	15	4	11	348	ug/kg	100.0	ug/kg	N	0.287
BIST006	MB014F0604	Spotted seatrout	Whole Body	Phenanthrene	3B	32	5	27	660	ug/kg	25.0	ug/kg	N	0.0379
BIST007	MB011F0702	Gulf killifish	Whole Body	Phenanthrene	1	12	5	7	334	ug/kg	100.0	ug/kg	N	0.300
BIST007	MB011F0703	Gulf killifish	Whole Body	Phenanthrene	1	12	5	7	334	ug/kg	100.0	ug/kg	N	0.300
BIST007	MB011F0706	Gulf killifish	Whole Body	Phenanthrene	1	12	5	7	334	ug/kg	100.0	ug/kg	N	0.300
BIST007	MB011F0708	Gulf killifish	Whole Body	Phenanthrene	1	12	5	7	334	ug/kg	100.0	ug/kg	N	0.300
BIST007	MB011F0704	Gulf killifish	Whole Body	Phenanthrene	1	12	5	7	334	ug/kg	100.0	ug/kg	N	0.300
BIST008	MB031F0806	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	583	ug/kg	100.0	ug/kg	N	0.172
BIST008	MB031V0801	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	200	ug/kg	N	0.331
BIST008	MB031F0811	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	583	ug/kg	100.0	ug/kg	N	0.172
BIST008	MB031V0803	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	200	ug/kg	N	0.331
BIST008	MB031V0812	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031V0810	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031F0805	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	583	ug/kg	100.0	ug/kg	N	0.172
BIST008	MB031V0802	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	40.0	ug/kg	N	0.0662
BIST008	MB031V0811	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031V0808	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031V0807	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031V0819	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031V0817	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031F0803	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	583	ug/kg	100.0	ug/kg	N	0.172
BIST008	MB031V0816	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	20.0	ug/kg	N	0.0331
BIST008	MB031F0804	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	583	ug/kg	100.0	ug/kg	N	0.172
BIST008	MB031V0813	Shrimp	Shellfish	Phenanthrene	I 2A	47	3	44	604	ug/kg	200	ug/kg	N	0.331
BIST010	MB031F1013	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	577	ug/kg	100.0	ug/kg	N	0.173
BIST010	MB031F1001	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	577	ug/kg	100.0	ug/kg	N	0.173
BIST010	MB031F1004	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	577	ug/kg	100.0	ug/kg	N	0.173
BIST010	MB031F1009	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	577	ug/kg	100.0	ug/kg	N	0.173
BIST010	MB031F1006	Gulf killifish	Whole Body	Phenanthrene	1	20	3	17	577	ug/kg	100.0	ug/kg	N	0.173
BIST011	LB011F1101	Gulf killifish	Whole Body	Phenanthrene	1	30	7	23	547	ug/kg	200	ug/kg	N	0.366
BIST011	LB011F1103	Gulf killifish	Whole Body	Phenanthrene	1	30	7	23	547	ug/kg	200	ug/kg	N	0.366
BIST011	LB011F1105	Gulf killifish	Whole Body	Phenanthrene	1	30	7	23	547	ug/kg	200	ug/kg	N	0.366
BIST012	LB011F1204	Gulf killifish	Whole Body	Phenanthrene	1	35	9	26	556	ug/kg	20.0	ug/kg	N	0.0360
BIST012	LB011F1201	Gulf killifish	Whole Body	Phenanthrene	1	35	9	26	556	ug/kg	200	ug/kg	N	0.360
BIST012	LB011F1202	Gulf killifish	Whole Body	Phenanthrene	1	35	9	26	556	ug/kg	100.0	ug/kg	N	0.180
BIST013	LB011F1302	Gulf killifish	Whole Body	Phenanthrene	1	36	10	26	490	ug/kg	40.0	ug/kg	N	0.0817
BIST013	LB011F1301	Gulf killifish	Whole Body	Phenanthrene	1	36	10	26	490	ug/kg	100.0	ug/kg	N	0.204
BIST013	LB011F1305	Gulf killifish	Whole Body	Phenanthrene	1	36	10	26	490	ug/kg	100.0	ug/kg	N	0.204
BIST015	LB032F1503	Threadfin shad	Whole Body	Phenanthrene	2A	131	25	106	1410	ug/kg	80.0	ug/kg	N	0.0567

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1502	Gulf menhaden	Whole Body	Phenanthrene	2A	131	25	106	1410	ug/kg	80.0	ug/kg	N	0.0567
BIST015	LB032F1505	Gulf menhaden	Whole Body	Phenanthrene	2A	131	25	106	1410	ug/kg	60.0	ug/kg	N	0.0426
BIST015	LB031F1502	Gulf killifish	Whole Body	Phenanthrene	1	42	10	32	3250	ug/kg	100.0	ug/kg	N	0.0307
BIST015	LB032F1501	Gulf menhaden	Whole Body	Phenanthrene	2A	131	25	106	1410	ug/kg	80.0	ug/kg	N	0.0567
BIST015	LB031F1506	Gulf killifish	Whole Body	Phenanthrene	1	42	10	32	3250	ug/kg	100.0	ug/kg	N	0.0307
BIST015	LB031F1504	Gulf killifish	Whole Body	Phenanthrene	1	42	10	32	3250	ug/kg	200	ug/kg	N	0.0615
BIST015	LB032F1506	Spot	Whole Body	Phenanthrene	2B	4	1	3	3540	ug/kg	40.0	ug/kg	N	0.0113
BIST015	LB034F1504	Spotted seatrout	Whole Body	Phenanthrene	3B	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB032F1507	Gulf menhaden	Whole Body	Phenanthrene	2A	131	25	106	1410	ug/kg	40.0	ug/kg	N	0.0284
BIST015	LB033F1510	Striped mullet	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST015	LB033F1503	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1513	Striped mullet	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST015	LB033F1509	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1504	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1515	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB034F1505	Spotted seatrout	Whole Body	Phenanthrene	3B	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1511	Striped mullet	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST015	LB034F1501	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST015	LB033F1508	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1517	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1507	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1505	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1502	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB034F1506	Atlantic croaker	Whole Body	Phenanthrene	3B	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1501	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1506	Striped mullet	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB034F1502	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST015	LB033F1512	Striped mullet	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST015	LB033F1518	Gulf menhaden	Whole Body	Phenanthrene	3A	131	25	106	1410	ug/kg	25.0	ug/kg	N	0.0177
BIST015	LB033F1514	Striped mullet	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST016	LB031F1602	Gulf killifish	Whole Body	Phenanthrene	1	55	16	39	2630	ug/kg	20.0	ug/kg	N	0.00761
BIST016	LB031F1601	Gulf killifish	Whole Body	Phenanthrene	1	55	16	39	2630	ug/kg	200	ug/kg	N	0.0761
BIST016	LB031F1610	Gulf killifish	Whole Body	Phenanthrene	1	55	16	39	2630	ug/kg	20.0	ug/kg	N	0.00761
BIST017	LB031A1752	Mussels	Shellfish	Phenanthrene	I 1A	1	1	0	734	ug/kg	100.0	ug/kg	N	0.136
BIST017	LB031F1702	Gulf killifish	Whole Body	Phenanthrene	1	19	5	14	6260	ug/kg	500	ug/kg	N	0.0798
BIST017	LB031A1754	Mussels	Shellfish	Phenanthrene	I 1A	1	1	0	734	ug/kg	100.0	ug/kg	N	0.136
BIST017	LB031A1753	Mussels	Shellfish	Phenanthrene	I 1A	1	1	0	734	ug/kg	72.0	ug/kg	Y	0.0981
BIST017	LB031F1704	Gulf killifish	Whole Body	Phenanthrene	1	19	5	14	6260	ug/kg	40.0	ug/kg	N	0.00639
BIST017	LB031F1703	Gulf killifish	Whole Body	Phenanthrene	1	19	5	14	6260	ug/kg	60.0	ug/kg	N	0.00958
BIST019	LB061F1903	Gulf killifish	Whole Body	Phenanthrene	1	42	11	31	668	ug/kg	20.0	ug/kg	N	0.0299
BIST019	LB061F1902	Gulf killifish	Whole Body	Phenanthrene	1	42	11	31	668	ug/kg	200	ug/kg	N	0.299
BIST019	LB061F1901	Gulf killifish	Whole Body	Phenanthrene	1	42	11	31	668	ug/kg	20.0	ug/kg	N	0.0299
BIST021	LB093F2105	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB093F2107	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2122	Spotted seatrout	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2124	Spotted seatrout	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2134	Pinfish	Whole Body	Phenanthrene	3B	68	9	59	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB093F2108	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2151	Spotted seatrout	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB093F2106	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2104	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB093F2103	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB093F2102	Gizzard shad	Whole Body	Phenanthrene	4A	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB093F2101	Striped mullet	Whole Body	Phenanthrene	3A	68	9	59	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB094F2141	Pinfish	Whole Body	Phenanthrene	3B	68	9	59	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB094F2104	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2107	Atlantic croaker	Whole Body	Phenanthrene	3B	68	9	59	647	ug/kg	25.0	ug/kg	N	0.0386
BIST021	LB094F2115	Black Drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2103	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2120	Spotted seatrout	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2121	Spotted seatrout	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST021	LB094F2118	Red drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	25.0	ug/kg	N	0.0251
BIST024	LB131F2406	Gulf killifish	Whole Body	Phenanthrene	1	50	9	41	520	ug/kg	200	ug/kg	N	0.385
BIST024	LB131F2408	Gulf killifish	Whole Body	Phenanthrene	1	50	9	41	520	ug/kg	200	ug/kg	N	0.385
BIST024	LB131F2402	Gulf killifish	Whole Body	Phenanthrene	1	50	9	41	520	ug/kg	100.0	ug/kg	N	0.192
BIST025	LB132F2501	Gulf menhaden	Whole Body	Phenanthrene	2A	123	24	99	1470	ug/kg	80.0	ug/kg	N	0.0543
BIST025	LB132F2502	Gulf menhaden	Whole Body	Phenanthrene	2A	123	24	99	1470	ug/kg	20.0	ug/kg	N	0.0136
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Phenanthrene	1	51	10	41	766	ug/kg	400	ug/kg	N	0.522
BIST025	LB132F2503	Spot	Whole Body	Phenanthrene	2B	2	1	1	240	ug/kg	60.0	ug/kg	N	0.250
BIST025	LB131F2502	Gulf killifish	Whole Body	Phenanthrene	1	51	10	41	766	ug/kg	200	ug/kg	N	0.261
BIST026	LB131F2604	Gulf killifish	Whole Body	Phenanthrene	1	48	15	33	793	ug/kg	100.0	ug/kg	N	0.126
BIST026	LB131F2601	Gulf killifish	Whole Body	Phenanthrene	1	48	15	33	793	ug/kg	40.0	ug/kg	N	0.0505
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Phenanthrene	1	31	9	22	505	ug/kg	200	ug/kg	N	0.396
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Phenanthrene	1	31	9	22	505	ug/kg	40.0	ug/kg	N	0.0792
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Phenanthrene	1	31	9	22	505	ug/kg	200	ug/kg	N	0.396
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Phenanthrene	1	30	10	20	2390	ug/kg	200	ug/kg	N	0.0838
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Phenanthrene	1	30	10	20	2390	ug/kg	100.0	ug/kg	N	0.0419
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Phenanthrene	1	30	10	20	2390	ug/kg	40.0	ug/kg	N	0.0168
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Phenanthrene	1	30	9	21	683	ug/kg	200	ug/kg	N	0.293
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Phenanthrene	1	30	9	21	683	ug/kg	20.0	ug/kg	N	0.0293
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Phenanthrene	1	30	9	21	683	ug/kg	200	ug/kg	N	0.293
BISTC01	BAYD4C0101	Blue crab	Shellfish	Phenanthrene	I 2B	68	10	58	632	ug/kg	20.0	ug/kg	N	0.0317
BISTC01	BAYD4C0103	Blue crab	Shellfish	Phenanthrene	I 2B	68	10	58	632	ug/kg	20.0	ug/kg	N	0.0317
BISTC02	BAYD4C0205	Blue crab	Shellfish	Phenanthrene	I 2B	76	11	65	618	ug/kg	20.0	ug/kg	N	0.0324
BISTC02	BAYD4C0203	Blue crab	Shellfish	Phenanthrene	I 2B	76	11	65	618	ug/kg	20.0	ug/kg	N	0.0324
BISTC02	BAYD4C0201	Blue crab	Shellfish	Phenanthrene	I 2B	76	11	65	618	ug/kg	20.0	ug/kg	N	0.0324
BISTC03	BAYD4C0302	Blue crab	Shellfish	Phenanthrene	I 2B	106	16	90	1630	ug/kg	20.0	ug/kg	N	0.0123
BISTC05	BAYD4C0502	Blue crab	Shellfish	Phenanthrene	I 2B	115	22	93	1490	ug/kg	20.0	ug/kg	N	0.0134
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Phenanthrene	2A	77	8	69	539	ug/kg	1000	ug/kg	N	1.85
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Phenanthrene	I 2B	81	11	70	546	ug/kg	1000	ug/kg	N	1.83
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Phenanthrene	3B	125	25	100	1450	ug/kg	500	ug/kg	N	0.346
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Phenanthrene	3B	125	25	100	1450	ug/kg	1000	ug/kg	N	0.692
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Phenanthrene	3B	125	25	100	1450	ug/kg	1000	ug/kg	N	0.692
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Phenanthrene	4B	262	35	227	998	ug/kg	500	ug/kg	N	0.501
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Phenanthrene	3B	125	25	100	1450	ug/kg	500	ug/kg	N	0.345
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Phenanthrene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Phenanthrene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Phenanthrene	I 1A	1	0	1	285	ug/kg	2.70	ug/kg	Y	0.00947
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Phenanthrene	I 1A	1	0	1	285	ug/kg	2.90	ug/kg	Y	0.0102
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Phenanthrene	I 1A	1	0	1	420	ug/kg	1.80	ug/kg	Y	0.00429

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Phenanthrene	I 1A	1	0	1	420	ug/kg	1.70	ug/kg	Y	0.00405
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Phenanthrene	I 1A	1	0	1	485	ug/kg	3.90	ug/kg	Y	0.00804
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Phenanthrene	I 1B	1	0	1	500	ug/kg	0.790	ug/kg	Y	0.00158
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Phenanthrene	I 1B	1	0	1	550	ug/kg	4.50	ug/kg	Y	0.00818
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Phenanthrene	I 1B	3	0	3	363	ug/kg	5.50	ug/kg	Y	0.0151
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Phenanthrene	I 1B	3	2	1	150	ug/kg	4.00	ug/kg	Y	0.0267
BIST004	UB041F0402	Gulf killifish	Whole Body	Pyrene	1	15	6	9	786	ug/kg	20.0	ug/kg	N	0.0255
BIST004	UB041F0401	Gulf killifish	Whole Body	Pyrene	1	15	6	9	786	ug/kg	100.0	ug/kg	N	0.127
BIST004	UB041F0404	Gulf killifish	Whole Body	Pyrene	1	15	6	9	786	ug/kg	100.0	ug/kg	N	0.127
BIST005	UB051F0503	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	40.0	ug/kg	N	0.0486
BIST005	UB054F0515	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST005	UB051F0512	Sailfin molly	Whole Body	Pyrene	1	13	5	8	823	ug/kg	80.0	ug/kg	N	0.0972
BIST005	UB054F0507	Spotted seatrout	Whole Body	Pyrene	3B	34	12	22	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0520	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	40.0	ug/kg	N	0.0486
BIST005	UB054F0503	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST005	UB051F0516	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	40.0	ug/kg	N	0.0486
BIST005	UB051F0501	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	40.0	ug/kg	N	0.0486
BIST005	UB051F0504	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	40.0	ug/kg	N	0.0486
BIST005	UB052F0501	Gulf menhaden	Whole Body	Pyrene	2A	34	12	22	637	ug/kg	100.0	ug/kg	N	0.157
BIST005	UB054F0516	Skipjack herring	Whole Body	Pyrene	3A	34	12	22	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0502	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB054F0501	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	20.0	ug/kg	N	0.0182
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB051F0509	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB051F0508	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB054F0504	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST005	UB051F0511	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB054F0506	Spotted seatrout	Whole Body	Pyrene	3B	34	12	22	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0510	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB054F0502	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST005	UB054F0511	Spotted seatrout	Whole Body	Pyrene	3B	34	12	22	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB054F0505	Spotted seatrout	Whole Body	Pyrene	3B	34	12	22	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB051F0525	Sailfin molly	Whole Body	Pyrene	1	13	5	8	823	ug/kg	60.0	ug/kg	N	0.0729
BIST005	UB054F0508	Spotted seatrout	Whole Body	Pyrene	3B	34	12	22	637	ug/kg	25.0	ug/kg	N	0.0393
BIST005	UB054F0514	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	20.0	ug/kg	N	0.0182
BIST005	UB051F0518	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	20.0	ug/kg	N	0.0243
BIST005	UB051F0515	Gulf killifish	Whole Body	Pyrene	1	13	5	8	823	ug/kg	100.0	ug/kg	N	0.122
BIST006	MB014F0612	Spotted seatrout	Whole Body	Pyrene	3B	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB014F0601	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST006	MB012F0602	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	60.0	ug/kg	N	0.0888
BIST006	MB012F0601	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	80.0	ug/kg	N	0.118
BIST006	MB012F0603	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	40.0	ug/kg	N	0.0592
BIST006	MB014F0603	Spotted seatrout	Whole Body	Pyrene	3B	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB012F0610	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	60.0	ug/kg	N	0.0888
BIST006	MB014F0630	Sand seatrout	Whole Body	Pyrene	3B	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB012F0611	Spot	Whole Body	Pyrene	2B	3	2	1	221	ug/kg	60.0	ug/kg	N	0.271
BIST006	MB011F0605	Gulf killifish	Whole Body	Pyrene	1	15	6	9	336	ug/kg	100.0	ug/kg	N	0.297
BIST006	MB014F0604	Spotted seatrout	Whole Body	Pyrene	3B	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB014F0602	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST006	MB011F0607	Gulf killifish	Whole Body	Pyrene	1	15	6	9	336	ug/kg	200	ug/kg	N	0.595

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0613	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	20.0	ug/kg	N	0.0296
BIST006	MB012F0606	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	60.0	ug/kg	N	0.0888
BIST006	MB014F0628	White mullet	Whole Body	Pyrene	3A	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB011F0616	Gulf killifish	Whole Body	Pyrene	1	15	6	9	336	ug/kg	100.0	ug/kg	N	0.297
BIST006	MB011F0615	Gulf killifish	Whole Body	Pyrene	1	15	6	9	336	ug/kg	200	ug/kg	N	0.595
BIST006	MB014F0605	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST006	MB012F0609	Gulf menhaden	Whole Body	Pyrene	2A	32	8	24	676	ug/kg	160	ug/kg	N	0.237
BIST006	MB014F0608	Spotted seatrout	Whole Body	Pyrene	3B	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB012F0619	Spot	Whole Body	Pyrene	2B	3	2	1	221	ug/kg	60.0	ug/kg	N	0.271
BIST006	MB012F0607	Spot	Whole Body	Pyrene	2B	3	2	1	221	ug/kg	80.0	ug/kg	N	0.362
BIST006	MB014F0615	Sand seatrout	Whole Body	Pyrene	3B	32	8	24	676	ug/kg	25.0	ug/kg	N	0.0370
BIST006	MB011F0624	Gulf killifish	Whole Body	Pyrene	1	15	6	9	336	ug/kg	100.0	ug/kg	N	0.297
BIST007	MB011F0708	Gulf killifish	Whole Body	Pyrene	1	12	6	6	435	ug/kg	100.0	ug/kg	N	0.230
BIST007	MB011F0704	Gulf killifish	Whole Body	Pyrene	1	12	6	6	435	ug/kg	100.0	ug/kg	N	0.230
BIST007	MB011F0702	Gulf killifish	Whole Body	Pyrene	1	12	6	6	435	ug/kg	100.0	ug/kg	N	0.230
BIST007	MB011F0703	Gulf killifish	Whole Body	Pyrene	1	12	6	6	435	ug/kg	100.0	ug/kg	N	0.230
BIST007	MB011F0706	Gulf killifish	Whole Body	Pyrene	1	12	6	6	435	ug/kg	100.0	ug/kg	N	0.230
BIST008	MB031V0802	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	40.0	ug/kg	N	0.0701
BIST008	MB031V0801	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	200	ug/kg	N	0.350
BIST008	MB031F0806	Gulf killifish	Whole Body	Pyrene	1	20	7	13	601	ug/kg	100.0	ug/kg	N	0.166
BIST008	MB031V0803	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	200	ug/kg	N	0.350
BIST008	MB031F0803	Gulf killifish	Whole Body	Pyrene	1	20	7	13	601	ug/kg	100.0	ug/kg	N	0.166
BIST008	MB031V0811	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031F0805	Gulf killifish	Whole Body	Pyrene	1	20	7	13	601	ug/kg	100.0	ug/kg	N	0.166
BIST008	MB031V0810	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031V0816	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031V0812	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031V0807	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031V0813	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	200	ug/kg	N	0.350
BIST008	MB031V0808	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031F0811	Gulf killifish	Whole Body	Pyrene	1	20	7	13	601	ug/kg	100.0	ug/kg	N	0.166
BIST008	MB031V0817	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST008	MB031V0819	Shrimp	Shellfish	Pyrene	I 2A	47	12	35	571	ug/kg	20.0	ug/kg	N	0.0350
BIST010	MB031F1013	Gulf killifish	Whole Body	Pyrene	1	20	7	13	596	ug/kg	100.0	ug/kg	N	0.168
BIST010	MB031F1001	Gulf killifish	Whole Body	Pyrene	1	20	7	13	596	ug/kg	100.0	ug/kg	N	0.168
BIST010	MB031F1004	Gulf killifish	Whole Body	Pyrene	1	20	7	13	596	ug/kg	100.0	ug/kg	N	0.168
BIST010	MB031F1006	Gulf killifish	Whole Body	Pyrene	1	20	7	13	596	ug/kg	100.0	ug/kg	N	0.168
BIST010	MB031F1009	Gulf killifish	Whole Body	Pyrene	1	20	7	13	596	ug/kg	100.0	ug/kg	N	0.168
BIST011	LB011F1101	Gulf killifish	Whole Body	Pyrene	1	30	13	17	648	ug/kg	200	ug/kg	N	0.309
BIST011	LB011F1105	Gulf killifish	Whole Body	Pyrene	1	30	13	17	648	ug/kg	200	ug/kg	N	0.309
BIST011	LB011F1103	Gulf killifish	Whole Body	Pyrene	1	30	13	17	648	ug/kg	200	ug/kg	N	0.309
BIST012	LB011F1202	Gulf killifish	Whole Body	Pyrene	1	36	16	20	637	ug/kg	100.0	ug/kg	N	0.157
BIST012	LB011F1201	Gulf killifish	Whole Body	Pyrene	1	36	16	20	637	ug/kg	200	ug/kg	N	0.314
BIST012	LB011F1204	Gulf killifish	Whole Body	Pyrene	1	36	16	20	637	ug/kg	20.0	ug/kg	N	0.0314
BIST013	LB011F1301	Gulf killifish	Whole Body	Pyrene	1	37	17	20	586	ug/kg	100.0	ug/kg	N	0.171
BIST013	LB011F1305	Gulf killifish	Whole Body	Pyrene	1	37	17	20	586	ug/kg	100.0	ug/kg	N	0.171
BIST013	LB011F1302	Gulf killifish	Whole Body	Pyrene	1	37	17	20	586	ug/kg	40.0	ug/kg	N	0.0682
BIST015	LB031F1504	Gulf killifish	Whole Body	Pyrene	1	43	18	25	3820	ug/kg	200	ug/kg	N	0.0524
BIST015	LB032F1501	Gulf menhaden	Whole Body	Pyrene	2A	133	45	88	1620	ug/kg	80.0	ug/kg	N	0.0494
BIST015	LB032F1506	Spot	Whole Body	Pyrene	2B	4	1	3	3540	ug/kg	40.0	ug/kg	N	0.0113

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB031F1502	Gulf killifish	Whole Body	Pyrene	1	43	18	25	3820	ug/kg	100.0	ug/kg	N	0.0262
BIST015	LB032F1503	Threadfin shad	Whole Body	Pyrene	2A	133	45	88	1620	ug/kg	80.0	ug/kg	N	0.0494
BIST015	LB031F1506	Gulf killifish	Whole Body	Pyrene	1	43	18	25	3820	ug/kg	100.0	ug/kg	N	0.0262
BIST015	LB032F1505	Gulf menhaden	Whole Body	Pyrene	2A	133	45	88	1620	ug/kg	60.0	ug/kg	N	0.0371
BIST015	LB033F1504	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1513	Striped mullet	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB033F1515	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB032F1507	Gulf menhaden	Whole Body	Pyrene	2A	133	45	88	1620	ug/kg	40.0	ug/kg	N	0.0247
BIST015	LB033F1510	Striped mullet	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB033F1506	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1517	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1512	Striped mullet	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB033F1518	Gulf menhaden	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB034F1502	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB033F1508	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB034F1506	Atlantic croaker	Whole Body	Pyrene	3B	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1505	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1502	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1501	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB034F1505	Spotted seatrout	Whole Body	Pyrene	3B	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1511	Striped mullet	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB033F1507	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1503	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB034F1501	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB034F1504	Spotted seatrout	Whole Body	Pyrene	3B	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST015	LB033F1514	Striped mullet	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST015	LB033F1509	Striped mullet	Whole Body	Pyrene	3A	133	45	88	1620	ug/kg	25.0	ug/kg	N	0.0154
BIST016	LB031F1610	Gulf killifish	Whole Body	Pyrene	1	55	23	32	3150	ug/kg	20.0	ug/kg	N	0.00635
BIST016	LB031F1601	Gulf killifish	Whole Body	Pyrene	1	55	23	32	3150	ug/kg	200	ug/kg	N	0.0635
BIST016	LB031F1602	Gulf killifish	Whole Body	Pyrene	1	55	23	32	3150	ug/kg	20.0	ug/kg	N	0.00635
BIST017	LB031A1752	Mussels	Shellfish	Pyrene	I 1A	1	1	0	17300	ug/kg	100.0	ug/kg	N	0.00578
BIST017	LB031F1702	Gulf killifish	Whole Body	Pyrene	1	19	7	12	7650	ug/kg	500	ug/kg	N	0.0653
BIST017	LB031A1753	Mussels	Shellfish	Pyrene	I 1A	1	1	0	17300	ug/kg	100.0	ug/kg	N	0.00578
BIST017	LB031F1704	Gulf killifish	Whole Body	Pyrene	1	19	7	12	7650	ug/kg	40.0	ug/kg	N	0.00523
BIST017	LB031A1754	Mussels	Shellfish	Pyrene	I 1A	1	1	0	17300	ug/kg	100.0	ug/kg	N	0.00578
BIST017	LB031F1703	Gulf killifish	Whole Body	Pyrene	1	19	7	12	7650	ug/kg	60.0	ug/kg	N	0.00784
BIST019	LB061F1903	Gulf killifish	Whole Body	Pyrene	1	42	21	21	682	ug/kg	20.0	ug/kg	N	0.0293
BIST019	LB061F1902	Gulf killifish	Whole Body	Pyrene	1	42	21	21	682	ug/kg	200	ug/kg	N	0.293
BIST019	LB061F1901	Gulf killifish	Whole Body	Pyrene	1	42	21	21	682	ug/kg	20.0	ug/kg	N	0.0293
BIST021	LB093F2105	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2107	Atlantic croaker	Whole Body	Pyrene	3B	69	19	50	650	ug/kg	25.0	ug/kg	N	0.0385
BIST021	LB093F2104	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB093F2106	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2104	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2103	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB093F2103	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2121	Spotted seatrout	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB093F2101	Striped mullet	Whole Body	Pyrene	3A	69	19	50	650	ug/kg	25.0	ug/kg	N	0.0385
BIST021	LB094F2141	Pinfish	Whole Body	Pyrene	3B	69	19	50	650	ug/kg	25.0	ug/kg	N	0.0385
BIST021	LB093F2102	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2124	Spotted seatrout	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2134	Pinfish	Whole Body	Pyrene	3B	69	19	50	650	ug/kg	25.0	ug/kg	N	0.0385
BIST021	LB093F2107	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2118	Red drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB093F2108	Gizzard shad	Whole Body	Pyrene	4A	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2122	Spotted seatrout	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST021	LB094F2120	Spotted seatrout	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	25.0	ug/kg	N	0.0228
BIST024	LB131F2408	Gulf killifish	Whole Body	Pyrene	1	50	20	30	519	ug/kg	200	ug/kg	N	0.386
BIST024	LB131F2402	Gulf killifish	Whole Body	Pyrene	1	50	20	30	519	ug/kg	100.0	ug/kg	N	0.193
BIST024	LB131F2406	Gulf killifish	Whole Body	Pyrene	1	50	20	30	519	ug/kg	200	ug/kg	N	0.386
BIST025	LB131F2502	Gulf killifish	Whole Body	Pyrene	1	51	20	31	826	ug/kg	200	ug/kg	N	0.242
BIST025	LB132F2502	Gulf menhaden	Whole Body	Pyrene	2A	125	45	80	1690	ug/kg	20.0	ug/kg	N	0.0118
BIST025	LB132F2501	Gulf menhaden	Whole Body	Pyrene	2A	125	45	80	1690	ug/kg	80.0	ug/kg	N	0.0472
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Pyrene	1	51	20	31	826	ug/kg	400	ug/kg	N	0.484
BIST025	LB132F2503	Spot	Whole Body	Pyrene	2B	2	2	0	241	ug/kg	60.0	ug/kg	N	0.249
BIST026	LB131F2604	Gulf killifish	Whole Body	Pyrene	1	49	22	27	930	ug/kg	100.0	ug/kg	N	0.108
BIST026	LB131F2601	Gulf killifish	Whole Body	Pyrene	1	49	22	27	930	ug/kg	40.0	ug/kg	N	0.0430
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Pyrene	1	32	15	17	598	ug/kg	40.0	ug/kg	N	0.0668
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Pyrene	1	32	15	17	598	ug/kg	200	ug/kg	N	0.334
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Pyrene	1	32	15	17	598	ug/kg	200	ug/kg	N	0.334
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Pyrene	1	31	15	16	3900	ug/kg	40.0	ug/kg	N	0.0102
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Pyrene	1	31	15	16	3900	ug/kg	100.0	ug/kg	N	0.0256
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Pyrene	1	31	15	16	3900	ug/kg	200	ug/kg	N	0.0512
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Pyrene	1	31	15	16	798	ug/kg	20.0	ug/kg	N	0.0251
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Pyrene	1	31	15	16	798	ug/kg	200	ug/kg	N	0.251
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Pyrene	1	31	15	16	798	ug/kg	200	ug/kg	N	0.251
BISTC01	BAYD4C0101	Blue crab	Shellfish	Pyrene	I 2B	69	21	48	633	ug/kg	20.0	ug/kg	N	0.0316
BISTC01	BAYD4C0103	Blue crab	Shellfish	Pyrene	I 2B	69	21	48	633	ug/kg	20.0	ug/kg	N	0.0316
BISTC02	BAYD4C0203	Blue crab	Shellfish	Pyrene	I 2B	77	24	53	614	ug/kg	20.0	ug/kg	N	0.0326
BISTC02	BAYD4C0201	Blue crab	Shellfish	Pyrene	I 2B	77	24	53	614	ug/kg	20.0	ug/kg	N	0.0326
BISTC02	BAYD4C0205	Blue crab	Shellfish	Pyrene	I 2B	77	24	53	614	ug/kg	20.0	ug/kg	N	0.0326
BISTC03	BAYD4C0302	Blue crab	Shellfish	Pyrene	I 2B	107	31	76	1870	ug/kg	20.0	ug/kg	N	0.0107
BISTC05	BAYD4C0502	Blue crab	Shellfish	Pyrene	I 2B	116	41	75	1740	ug/kg	20.0	ug/kg	N	0.0115
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Pyrene	2A	77	23	54	549	ug/kg	1000	ug/kg	N	1.82
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Pyrene	I 2B	82	27	55	558	ug/kg	1000	ug/kg	N	1.79
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Pyrene	4B	264	83	181	1100	ug/kg	500	ug/kg	N	0.455
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Pyrene	3B	127	48	79	1660	ug/kg	500	ug/kg	N	0.302
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Pyrene	3B	127	48	79	1660	ug/kg	1000	ug/kg	N	0.603
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Pyrene	3B	127	48	79	1660	ug/kg	1000	ug/kg	N	0.603
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Pyrene	3B	127	47	80	1670	ug/kg	500	ug/kg	N	0.300
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Pyrene	I 1A	1	0	1	90.0	ug/kg	1000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Pyrene	I 1B	2	0	2	478	ug/kg	1000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Pyrene	I 1A	1	0	1	285	ug/kg	13.0	ug/kg	Y	0.0456
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Pyrene	I 1A	1	0	1	285	ug/kg	19.0	ug/kg	Y	0.0667
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Pyrene	I 1A	1	0	1	420	ug/kg	6.00	ug/kg	Y	0.0143
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Pyrene	I 1A	1	0	1	420	ug/kg	5.50	ug/kg	Y	0.0131
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Pyrene	I 1A	1	0	1	485	ug/kg	9.40	ug/kg	Y	0.0194
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Pyrene	I 1B	1	1	0	110	ug/kg	1.20	ug/kg	Y	0.0109
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Pyrene	I 1B	1	0	1	550	ug/kg	6.40	ug/kg	Y	0.0116
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Pyrene	I 1B	3	0	3	363	ug/kg	7.50	ug/kg	Y	0.0206

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Pyrene	I 1B	3	2	1	363	ug/kg	5.30	ug/kg	Y	0.0146
BIST004	UB041F0404	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.572	mg/kg	0.230	mg/kg	Y	0.402
BIST004	UB041F0402	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.572	mg/kg	0.340	mg/kg	Y	0.594
BIST004	UB041F0401	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.572	mg/kg	0.350	mg/kg	Y	0.612
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.350	mg/kg	Y	0.559
BIST005	UB051F0508	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.380	mg/kg	Y	0.607
BIST005	UB051F0515	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.310	mg/kg	Y	0.495
BIST005	UB051F0509	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.340	mg/kg	Y	0.543
BIST005	UB051F0516	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.350	mg/kg	Y	0.559
BIST005	UB051F0511	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.400	mg/kg	Y	0.639
BIST005	UB054F0503	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.580	mg/kg	Y	0.585
BIST005	UB054F0504	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.420	mg/kg	Y	0.424
BIST005	UB054F0505	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.660	mg/kg	0.510	mg/kg	Y	0.773
BIST005	UB051F0501	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.430	mg/kg	Y	0.687
BIST005	UB051F0502	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.420	mg/kg	Y	0.671
BIST005	UB054F0506	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.660	mg/kg	0.360	mg/kg	Y	0.545
BIST005	UB051F0525	Sailfin molly	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.410	mg/kg	Y	0.655
BIST005	UB054F0516	Skipjack herring	Whole Body	Selenium	3A	30	1	29	0.660	mg/kg	0.780	mg/kg	Y	1.18
BIST005	UB051F0504	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.510	mg/kg	Y	0.815
BIST005	UB054F0508	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.660	mg/kg	0.470	mg/kg	Y	0.712
BIST005	UB051F0523	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.360	mg/kg	Y	0.575
BIST005	UB054F0511	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.660	mg/kg	0.410	mg/kg	Y	0.621
BIST005	UB051F0520	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.290	mg/kg	Y	0.463
BIST005	UB054F0514	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.520	mg/kg	Y	0.525
BIST005	UB054F0515	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.460	mg/kg	Y	0.464
BIST005	UB054F0507	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.660	mg/kg	0.340	mg/kg	Y	0.515
BIST005	UB054B0505	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.512	mg/kg	Y	1.25
BIST005	UB054B0501	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.512	mg/kg	Y	1.25
BIST005	UB052F0501	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.660	mg/kg	0.640	mg/kg	Y	0.970
BIST005	UB054B0502	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.646	mg/kg	Y	1.76
BIST005	UB054B0503	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.563	mg/kg	Y	1.44
BIST005	UB051F0510	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.420	mg/kg	Y	0.671
BIST005	UB054B0504	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.486	mg/kg	Y	1.16
BIST005	UB051F0518	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.550	mg/kg	Y	0.879
BIST005	UB054B0506	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.499	mg/kg	Y	1.21
BIST005	UB051F0512	Sailfin molly	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.500	mg/kg	Y	0.799
BIST005	UB054F0502	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.300	mg/kg	Y	0.303
BIST005	UB054F0501	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.460	mg/kg	Y	0.464
BIST005	UB051F0503	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.400	mg/kg	Y	0.639
BIST005	UB051F0505	Gulf killifish	Whole Body	Selenium	1	12	0	12	0.626	mg/kg	0.380	mg/kg	Y	0.607
BIST006	MB014B0605	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.493	mg/kg	Y	1.18
BIST006	MB014F0601	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.240	mg/kg	Y	0.242
BIST006	MB014F0603	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.719	mg/kg	0.390	mg/kg	Y	0.543
BIST006	MB012F0613	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.600	mg/kg	Y	0.835
BIST006	MB014F0602	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.350	mg/kg	Y	0.353
BIST006	MB014F0612	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.719	mg/kg	0.290	mg/kg	Y	0.404
BIST006	MB014B0602	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.569	mg/kg	Y	1.46
BIST006	MB011F0616	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.655	mg/kg	0.490	mg/kg	Y	0.749
BIST006	MB014F0628	White mullet	Whole Body	Selenium	3A	30	1	29	0.719	mg/kg	0.540	mg/kg	Y	0.751
BIST006	MB014B0604	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.506	mg/kg	Y	1.23

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0608	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.719	mg/kg	0.370	mg/kg	Y	0.515
BIST006	MB012F0619	Spot	Whole Body	Selenium	2B	2	0	2	0.625	mg/kg	0.400	mg/kg	Y	0.640
BIST006	MB014F0615	Sand seatrout	Whole Body	Selenium	3B	30	1	29	0.719	mg/kg	0.460	mg/kg	Y	0.640
BIST006	MB014B0606	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.452	mg/kg	Y	1.04
BIST006	MB014B0607	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.525	mg/kg	Y	1.30
BIST006	MB014B0603	Red drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.479	mg/kg	Y	1.14
BIST006	MB011F0615	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.655	mg/kg	0.240	mg/kg	Y	0.367
BIST006	MB011F0624	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.655	mg/kg	0.520	mg/kg	Y	0.794
BIST006	MB012F0609	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.770	mg/kg	Y	1.07
BIST006	MB012F0605	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.650	mg/kg	Y	0.904
BIST006	MB012F0601	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.610	mg/kg	Y	0.849
BIST006	MB012F0602	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.690	mg/kg	Y	0.960
BIST006	MB012F0603	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.590	mg/kg	Y	0.821
BIST006	MB014F0605	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.410	mg/kg	Y	0.414
BIST006	MB012F0606	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.660	mg/kg	Y	0.918
BIST006	MB012F0610	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.690	mg/kg	Y	0.960
BIST006	MB011F0607	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.655	mg/kg	0.340	mg/kg	Y	0.519
BIST006	MB014F0630	Sand seatrout	Whole Body	Selenium	3B	30	1	29	0.719	mg/kg	0.530	mg/kg	Y	0.737
BIST006	MB012F0611	Spot	Whole Body	Selenium	2B	2	0	2	0.625	mg/kg	0.410	mg/kg	Y	0.656
BIST006	MB012F0604	Gulf menhaden	Whole Body	Selenium	2A	30	1	29	0.719	mg/kg	0.620	mg/kg	Y	0.863
BIST006	MB012F0607	Spot	Whole Body	Selenium	2B	2	0	2	0.625	mg/kg	0.420	mg/kg	Y	0.672
BIST006	MB014F0604	Spotted seatrout	Whole Body	Selenium	3B	30	1	29	0.719	mg/kg	0.500	mg/kg	Y	0.696
BIST006	MB011F0605	Gulf killifish	Whole Body	Selenium	1	13	0	13	0.655	mg/kg	0.380	mg/kg	Y	0.580
BIST007	MB011F0706	Gulf killifish	Whole Body	Selenium	1	10	0	10	0.586	mg/kg	0.500	mg/kg	Y	0.853
BIST007	MB011F0704	Gulf killifish	Whole Body	Selenium	1	10	0	10	0.586	mg/kg	0.480	mg/kg	Y	0.819
BIST007	MB011F0703	Gulf killifish	Whole Body	Selenium	1	10	0	10	0.586	mg/kg	0.600	mg/kg	Y	1.02
BIST007	MB011F0708	Gulf killifish	Whole Body	Selenium	1	10	0	10	0.586	mg/kg	0.590	mg/kg	Y	1.01
BIST007	MB011F0702	Gulf killifish	Whole Body	Selenium	1	10	0	10	0.586	mg/kg	0.510	mg/kg	Y	0.870
BIST008	MB031F0804	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.915	mg/kg	0.590	mg/kg	Y	0.645
BIST008	MB031V0812	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.450	mg/kg	Y	0.496
BIST008	MB031V0802	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.530	mg/kg	Y	0.584
BIST008	MB031V0818	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.450	mg/kg	Y	0.496
BIST008	MB031V0811	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.450	mg/kg	Y	0.496
BIST008	MB031V0813	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.520	mg/kg	Y	0.573
BIST008	MB031V0808	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.460	mg/kg	Y	0.507
BIST008	MB031V0807	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.430	mg/kg	Y	0.474
BIST008	MB031V0803	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.350	mg/kg	Y	0.385
BIST008	MB031V0810	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.400	mg/kg	Y	0.441
BIST008	MB031F0806	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.915	mg/kg	0.550	mg/kg	Y	0.601
BIST008	MB031F0805	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.915	mg/kg	0.370	mg/kg	Y	0.405
BIST008	MB031V0816	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.470	mg/kg	Y	0.518
BIST008	MB031V0819	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.430	mg/kg	Y	0.474
BIST008	MB031F0811	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.915	mg/kg	0.600	mg/kg	Y	0.656
BIST008	MB031V0817	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.450	mg/kg	Y	0.496
BIST008	MB031F0803	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.915	mg/kg	0.470	mg/kg	Y	0.514
BIST008	MB031V0801	Shrimp	Shellfish	Selenium	I 2A	44	5	39	0.908	mg/kg	0.550	mg/kg	Y	0.606
BIST010	MB031F1013	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.903	mg/kg	0.410	mg/kg	Y	0.454
BIST010	MB031F1004	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.903	mg/kg	2.90	mg/kg	Y	3.21
BIST010	MB031F1001	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.903	mg/kg	0.480	mg/kg	Y	0.532
BIST010	MB031F1006	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.903	mg/kg	0.680	mg/kg	Y	0.753

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST010	MB031F1009	Gulf killifish	Whole Body	Selenium	1	17	3	14	0.903	mg/kg	0.430	mg/kg	Y	0.476
BIST011	LB011F1103	Gulf killifish	Whole Body	Selenium	1	23	4	19	1.05	mg/kg	0.730	mg/kg	Y	0.697
BIST011	LB011F1101	Gulf killifish	Whole Body	Selenium	1	23	4	19	1.05	mg/kg	0.720	mg/kg	Y	0.687
BIST011	LB011F1105	Gulf killifish	Whole Body	Selenium	1	23	4	19	1.05	mg/kg	0.740	mg/kg	Y	0.706
BIST012	LB011F1204	Gulf killifish	Whole Body	Selenium	1	25	5	20	1.02	mg/kg	0.750	mg/kg	Y	0.737
BIST012	LB011F1201	Gulf killifish	Whole Body	Selenium	1	25	5	20	1.02	mg/kg	0.790	mg/kg	Y	0.776
BIST012	LB011F1202	Gulf killifish	Whole Body	Selenium	1	25	5	20	1.02	mg/kg	0.720	mg/kg	Y	0.707
BIST013	LB011F1301	Gulf killifish	Whole Body	Selenium	1	26	6	20	1.05	mg/kg	0.750	mg/kg	Y	0.715
BIST013	LB011F1305	Gulf killifish	Whole Body	Selenium	1	26	6	20	1.05	mg/kg	0.710	mg/kg	Y	0.677
BIST013	LB011F1302	Gulf killifish	Whole Body	Selenium	1	26	6	20	1.05	mg/kg	0.730	mg/kg	Y	0.696
BIST015	LB031F1504	Gulf killifish	Whole Body	Selenium	1	31	7	24	1.22	mg/kg	0.590	mg/kg	Y	0.483
BIST015	LB032F1504	Spot	Whole Body	Selenium	2B	3	0	3	1.15	mg/kg	0.480	mg/kg	Y	0.417
BIST015	LB032F1501	Gulf menhaden	Whole Body	Selenium	2A	111	20	91	1.09	mg/kg	0.710	mg/kg	Y	0.651
BIST015	LB032F1503	Threadfin shad	Whole Body	Selenium	2A	111	20	91	1.09	mg/kg	0.550	mg/kg	Y	0.505
BIST015	LB032F1502	Gulf menhaden	Whole Body	Selenium	2A	111	20	91	1.09	mg/kg	0.550	mg/kg	Y	0.505
BIST015	LB032F1506	Spot	Whole Body	Selenium	2B	3	0	3	1.15	mg/kg	0.560	mg/kg	Y	0.487
BIST015	LB031F1502	Gulf killifish	Whole Body	Selenium	1	31	7	24	1.22	mg/kg	0.720	mg/kg	Y	0.590
BIST015	LB031F1506	Gulf killifish	Whole Body	Selenium	1	31	7	24	1.22	mg/kg	0.710	mg/kg	Y	0.582
BIST015	LB032F1505	Gulf menhaden	Whole Body	Selenium	2A	111	20	91	1.09	mg/kg	0.670	mg/kg	Y	0.615
BIST015	LB033F1517	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.470	mg/kg	Y	0.431
BIST015	LB033F1509	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.300	mg/kg	Y	0.275
BIST015	LB033F1513	Striped mullet	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.470	mg/kg	Y	0.474
BIST015	LB032F1508	Threadfin shad	Whole Body	Selenium	2A	111	20	91	1.09	mg/kg		mg/kg	N	
BIST015	LB033F1506	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.550	mg/kg	Y	0.505
BIST015	LB033F1511	Striped mullet	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.520	mg/kg	Y	0.525
BIST015	LB033F1504	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.670	mg/kg	Y	0.615
BIST015	LB033F1502	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.350	mg/kg	Y	0.321
BIST015	LB033F1515	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.760	mg/kg	Y	0.697
BIST015	LB033F1512	Striped mullet	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.330	mg/kg	Y	0.333
BIST015	LB034F1501	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.430	mg/kg	Y	0.434
BIST015	LB033F1516	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.530	mg/kg	Y	0.486
BIST015	LB033F1510	Striped mullet	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.770	mg/kg	Y	0.777
BIST015	LB033F1518	Gulf menhaden	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.690	mg/kg	Y	0.633
BIST015	LB033F1503	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.530	mg/kg	Y	0.486
BIST015	LB034F1505	Spotted seatrout	Whole Body	Selenium	3B	111	20	91	1.09	mg/kg	0.500	mg/kg	Y	0.459
BIST015	LB032F1507	Gulf menhaden	Whole Body	Selenium	2A	111	20	91	1.09	mg/kg	0.660	mg/kg	Y	0.606
BIST015	LB034F1506	Atlantic croaker	Whole Body	Selenium	3B	111	20	91	1.09	mg/kg	0.690	mg/kg	Y	0.633
BIST015	LB033F1507	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.530	mg/kg	Y	0.486
BIST015	LB034F1504	Spotted seatrout	Whole Body	Selenium	3B	111	20	91	1.09	mg/kg	0.390	mg/kg	Y	0.358
BIST015	LB033F1505	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.450	mg/kg	Y	0.413
BIST015	LB034F1503	Spotted seatrout	Whole Body	Selenium	3B	111	20	91	1.09	mg/kg	0.510	mg/kg	Y	0.468
BIST015	LB033F1514	Striped mullet	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.290	mg/kg	Y	0.293
BIST015	LB033F1508	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.600	mg/kg	Y	0.551
BIST015	LB034F1502	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.520	mg/kg	Y	0.525
BIST015	LB033F1501	Striped mullet	Whole Body	Selenium	3A	111	20	91	1.09	mg/kg	0.580	mg/kg	Y	0.532
BIST016	LB031F1610	Gulf killifish	Whole Body	Selenium	1	42	12	30	1.14	mg/kg	0.720	mg/kg	Y	0.630
BIST016	LB031F1601	Gulf killifish	Whole Body	Selenium	1	42	12	30	1.14	mg/kg	0.610	mg/kg	Y	0.534
BIST016	LB031F1602	Gulf killifish	Whole Body	Selenium	1	42	12	30	1.14	mg/kg	0.580	mg/kg	Y	0.507
BIST017	LB031F1702	Gulf killifish	Whole Body	Selenium	1	15	4	11	1.14	mg/kg	0.530	mg/kg	Y	0.467
BIST017	LB031F1703	Gulf killifish	Whole Body	Selenium	1	15	4	11	1.14	mg/kg	0.550	mg/kg	Y	0.484

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1754	Mussels	Shellfish	Selenium	I 1A	1	1	0	2.00	mg/kg	0.0950	mg/kg	N	0.0475
BIST017	LB031F1704	Gulf killifish	Whole Body	Selenium	1	15	4	11	1.14	mg/kg	0.550	mg/kg	Y	0.484
BIST017	LB031A1753	Mussels	Shellfish	Selenium	I 1A	1	1	0	2.00	mg/kg	0.600	mg/kg	Y	0.300
BIST017	LB031A1752	Mussels	Shellfish	Selenium	I 1A	1	1	0	2.00	mg/kg	0.360	mg/kg	Y	0.180
BIST019	LB061F1901	Gulf killifish	Whole Body	Selenium	1	33	8	25	1.06	mg/kg	0.560	mg/kg	Y	0.526
BIST019	LB061F1902	Gulf killifish	Whole Body	Selenium	1	33	8	25	1.06	mg/kg	0.540	mg/kg	Y	0.507
BIST019	LB061F1903	Gulf killifish	Whole Body	Selenium	1	33	8	25	1.06	mg/kg	0.560	mg/kg	Y	0.526
BIST021	LB094F2118	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.320	mg/kg	Y	0.323
BIST021	LB094F2124	Spotted seatrout	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.550	mg/kg	Y	0.555
BIST021	LB093F2101	Striped mullet	Whole Body	Selenium	3A	62	10	52	1.13	mg/kg	0.630	mg/kg	Y	0.557
BIST021	LB093F2103	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.340	mg/kg	Y	0.343
BIST021	LB094F2134	Pinfish	Whole Body	Selenium	3B	62	10	52	1.13	mg/kg	0.890	mg/kg	Y	0.787
BIST021	LB094F2141	Pinfish	Whole Body	Selenium	3B	62	10	52	1.13	mg/kg	0.800	mg/kg	Y	0.707
BIST021	LB094F2121	Spotted seatrout	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.690	mg/kg	Y	0.696
BIST021	LB094F2120	Spotted seatrout	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.710	mg/kg	Y	0.717
BIST021	LB093F2102	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.510	mg/kg	Y	0.515
BIST021	LB094F2103	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.620	mg/kg	Y	0.626
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.669	mg/kg	Y	1.86
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.531	mg/kg	Y	1.32
BIST021	LB093F2107	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.430	mg/kg	Y	0.434
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.623	mg/kg	Y	1.67
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.675	mg/kg	Y	1.88
BIST021	LB093F2108	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.480	mg/kg	Y	0.484
BIST021	LB094F2122	Spotted seatrout	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.670	mg/kg	Y	0.676
BIST021	LB094F2151	Spotted seatrout	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.640	mg/kg	Y	0.646
BIST021	LB094F2101	Spotted seatrout	Whole Body	Selenium	3B	62	10	52	1.13	mg/kg	0.340	mg/kg	Y	0.301
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.575	mg/kg	Y	1.49
BIST021	LB093F2106	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.450	mg/kg	Y	0.454
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.697	mg/kg	Y	1.97
BIST021	LB094F2107	Atlantic croaker	Whole Body	Selenium	3B	62	10	52	1.13	mg/kg	0.680	mg/kg	Y	0.601
BIST021	LB094F2104	Red drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.500	mg/kg	Y	0.505
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.605	mg/kg	Y	1.60
BIST021	LB094F2115	Black Drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	0.640	mg/kg	Y	0.646
BIST021	LB093F2104	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.350	mg/kg	Y	0.353
BIST021	LB093F2105	Gizzard shad	Whole Body	Selenium	4A	235	38	197	0.991	mg/kg	0.360	mg/kg	Y	0.363
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.0448	mg/kg	N	0.0348
BIST024	LB131F2408	Gulf killifish	Whole Body	Selenium	1	43	10	33	0.905	mg/kg	0.820	mg/kg	Y	0.906
BIST024	LB131F2406	Gulf killifish	Whole Body	Selenium	1	43	10	33	0.905	mg/kg	0.720	mg/kg	Y	0.795
BIST024	LB131F2402	Gulf killifish	Whole Body	Selenium	1	43	10	33	0.905	mg/kg	0.700	mg/kg	Y	0.773
BIST025	LB132F2503	Spot	Whole Body	Selenium	2B	1	0	1	0.550	mg/kg	0.380	mg/kg	Y	0.691
BIST025	LB132F2501	Gulf menhaden	Whole Body	Selenium	2A	102	22	80	1.06	mg/kg	0.750	mg/kg	Y	0.705
BIST025	LB131F2502	Gulf killifish	Whole Body	Selenium	1	41	7	34	0.928	mg/kg	0.700	mg/kg	Y	0.754
BIST025	LB131F2501	Gulf killifish	Whole Body	Selenium	1	41	7	34	0.928	mg/kg	0.800	mg/kg	Y	0.862
BIST025	LB132F2502	Gulf menhaden	Whole Body	Selenium	2A	102	22	80	1.06	mg/kg	0.770	mg/kg	Y	0.724
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Selenium	1	41	7	34	0.928	mg/kg	0.730	mg/kg	Y	0.787
BIST026	LB131F2601	Gulf killifish	Whole Body	Selenium	1	34	6	28	0.950	mg/kg	0.660	mg/kg	Y	0.695
BIST026	LB131F2604	Gulf killifish	Whole Body	Selenium	1	34	6	28	0.950	mg/kg	0.650	mg/kg	Y	0.684
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Selenium	1	22	4	18	1.03	mg/kg	0.420	mg/kg	Y	0.408
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Selenium	1	22	4	18	1.03	mg/kg	0.460	mg/kg	Y	0.447
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Selenium	1	22	4	18	1.03	mg/kg	0.430	mg/kg	Y	0.418

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Selenium	1	20	1	19	0.946	mg/kg	0.390	mg/kg	Y	0.412
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Selenium	1	20	1	19	0.946	mg/kg	0.360	mg/kg	Y	0.381
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Selenium	1	20	1	19	0.946	mg/kg	0.350	mg/kg	Y	0.370
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Selenium	1	21	2	19	1.06	mg/kg	0.710	mg/kg	Y	0.671
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Selenium	1	21	2	19	1.06	mg/kg	0.630	mg/kg	Y	0.596
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Selenium	1	21	2	19	1.06	mg/kg	0.640	mg/kg	Y	0.605
BISTC01	BAYD4C0101	Blue crab	Shellfish	Selenium	I 2B	61	11	50	1.10	mg/kg	0.610	mg/kg	Y	0.552
BISTC01	BAYD4C0103	Blue crab	Shellfish	Selenium	I 2B	61	11	50	1.10	mg/kg	0.870	mg/kg	Y	0.788
BISTC02	BAYD4C0201	Blue crab	Shellfish	Selenium	I 2B	68	13	55	1.09	mg/kg	0.810	mg/kg	Y	0.744
BISTC02	BAYD4C0203	Blue crab	Shellfish	Selenium	I 2B	68	13	55	1.09	mg/kg	0.790	mg/kg	Y	0.726
BISTC02	BAYD4C0205	Blue crab	Shellfish	Selenium	I 2B	68	13	55	1.09	mg/kg	0.510	mg/kg	Y	0.468
BISTC03	BAYD4C0302	Blue crab	Shellfish	Selenium	I 2B	93	17	76	1.07	mg/kg	0.360	mg/kg	Y	0.336
BISTC05	BAYD4C0502	Blue crab	Shellfish	Selenium	I 2B	95	27	68	1.12	mg/kg	0.490	mg/kg	Y	0.439
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Selenium	2A	69	15	54	1.13	mg/kg	1.10	mg/kg	Y	0.972
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Selenium	I 2B	69	16	53	1.15	mg/kg	0.890	mg/kg	Y	0.773
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Selenium	3B	69	16	53	1.15	mg/kg	0.979	mg/kg	Y	2.80
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	1.03	mg/kg	Y	3.48
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Selenium	3B	71	19	52	1.16	mg/kg	0.882	mg/kg	Y	2.37
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.931	mg/kg	Y	3.02
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Selenium	3B	104	22	82	1.04	mg/kg	0.415	mg/kg	N	0.400
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Selenium	3B	104	22	82	1.04	mg/kg	0.550	mg/kg	N	0.530
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Selenium	3B	104	22	82	1.04	mg/kg	1.20	mg/kg	Y	1.16
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Selenium	4B	235	38	197	0.991	mg/kg	1.10	mg/kg	Y	1.11
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Selenium	3B	104	22	82	1.04	mg/kg	0.980	mg/kg	Y	0.942
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Selenium	I 1A	1	0	1	0.700	mg/kg	0.820	mg/kg	Y	1.17
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.882	mg/kg	Y	2.79
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Selenium	3B	94	18	76	1.05	mg/kg	0.640	mg/kg	N	1.65
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Selenium	3B	94	18	76	1.05	mg/kg	0.831	mg/kg	Y	2.42
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Selenium	4B	235	38	197	0.991	mg/kg	0.979	mg/kg	Y	3.25
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Selenium	I 1B	2	0	2	0.775	mg/kg	1.30	mg/kg	Y	1.68
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Selenium	I 1A	1	0	1	0.400	mg/kg	0.465	mg/kg	N	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Selenium	I 1A	1	0	1	0.400	mg/kg	0.475	mg/kg	N	1.19
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Selenium	I 1A	1	0	1	0.550	mg/kg	0.490	mg/kg	N	0.891
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Selenium	I 1A	1	0	1	0.550	mg/kg	0.435	mg/kg	N	0.791
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Selenium	I 1A	1	0	1	0.700	mg/kg	0.475	mg/kg	N	0.679
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Selenium	I 1B	1	0	1	0.750	mg/kg	0.490	mg/kg	N	0.653
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Selenium	I 1B	1	0	1	0.850	mg/kg	0.475	mg/kg	N	0.559
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Selenium	I 1B	3	1	2	0.583	mg/kg	0.420	mg/kg	N	0.720
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Selenium	I 1B	3	1	2	0.593	mg/kg	0.460	mg/kg	N	0.775
BIST004	UB041F0404	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	2	11	4.03	ug/kg	10.00	ug/kg	N	2.48
BIST004	UB041F0401	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	2	11	4.03	ug/kg	10.00	ug/kg	N	2.48
BIST004	UB041F0402	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	2	11	4.03	ug/kg	10.00	ug/kg	N	2.48
BIST005	UB051F0508	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0510	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0505	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0515	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0512	Sailfin molly	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0509	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0511	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0503	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0504	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB054B0503	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST005	UB051F0520	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB051F0523	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0502	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB054F0504	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB054F0502	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB054F0501	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST005	UB051F0503	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054B0501	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST005	UB054B0502	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST005	UB054B0506	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST005	UB054B0505	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST005	UB054B0504	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST005	UB051F0525	Sailfin molly	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0501	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0516	Skipjack herring	Whole Body	Total Chlordane (U=1/2; max ND)	3A	31	5	26	4.97	ug/kg	10.00	ug/kg	N	2.01
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0515	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST005	UB051F0518	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB051F0516	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	13	4	9	3.80	ug/kg	10.00	ug/kg	N	2.63
BIST005	UB054F0514	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB011F0607	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	14	2	12	5.66	ug/kg	10.00	ug/kg	N	1.77
BIST006	MB014F0602	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST006	MB012F0607	Spot	Whole Body	Total Chlordane (U=1/2; max ND)	2B	3	0	3	8.60	ug/kg	10.00	ug/kg	N	1.16
BIST006	MB011F0616	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	14	2	12	5.66	ug/kg	10.00	ug/kg	N	1.77
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB011F0615	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	14	2	12	5.66	ug/kg	10.00	ug/kg	N	1.77
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB011F0624	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	14	2	12	5.66	ug/kg	10.00	ug/kg	N	1.77
BIST006	MB014F0601	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST006	MB014B0604	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014B0602	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST006	MB014B0606	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST006	MB014B0607	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST006	MB012F0611	Spot	Whole Body	Total Chlordane (U=1/2; max ND)	2B	3	0	3	8.60	ug/kg	19.0	ug/kg	Y	2.21
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014B0605	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB012F0619	Spot	Whole Body	Total Chlordane (U=1/2; max ND)	2B	3	0	3	8.60	ug/kg	10.00	ug/kg	N	1.16

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014B0603	Red drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST006	MB011F0605	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	14	2	12	5.66	ug/kg	10.00	ug/kg	N	1.77
BIST006	MB014F0630	Sand seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014F0605	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST006	MB012F0604	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014F0615	Sand seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014F0628	White mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	31	6	25	4.98	ug/kg	10.00	ug/kg	N	2.01
BIST007	MB011F0702	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	12	2	10	5.32	ug/kg	10.00	ug/kg	N	1.88
BIST007	MB011F0708	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	12	2	10	5.32	ug/kg	10.00	ug/kg	N	1.88
BIST007	MB011F0706	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	12	2	10	5.32	ug/kg	10.00	ug/kg	N	1.88
BIST007	MB011F0704	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	12	2	10	5.32	ug/kg	10.00	ug/kg	N	1.88
BIST007	MB011F0703	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	12	2	10	5.32	ug/kg	10.00	ug/kg	N	1.88
BIST008	MB031V0817	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0819	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0801	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0807	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0818	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	100.0	ug/kg	N	11.7
BIST008	MB031F0803	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	4	16	12.7	ug/kg	10.00	ug/kg	N	0.789
BIST008	MB031F0804	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	4	16	12.7	ug/kg	10.00	ug/kg	N	0.789
BIST008	MB031V0813	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031F0805	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	4	16	12.7	ug/kg	10.00	ug/kg	N	0.789
BIST008	MB031V0812	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0811	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031F0806	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	4	16	12.7	ug/kg	10.00	ug/kg	N	0.789
BIST008	MB031V0810	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031F0811	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	4	16	12.7	ug/kg	10.00	ug/kg	N	0.789
BIST008	MB031V0808	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0802	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	100.0	ug/kg	N	11.7
BIST008	MB031V0816	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	10.00	ug/kg	N	1.17
BIST008	MB031V0803	Shrimp	Shellfish	Total Chlordane (U=1/2; max ND)	I 2A	46	9	37	8.52	ug/kg	100.0	ug/kg	N	11.7
BIST010	MB031F1001	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	5	15	12.6	ug/kg	10.00	ug/kg	N	0.795
BIST010	MB031F1013	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	5	15	12.6	ug/kg	10.00	ug/kg	N	0.795
BIST010	MB031F1009	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	5	15	12.6	ug/kg	10.00	ug/kg	N	0.795
BIST010	MB031F1004	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	5	15	12.6	ug/kg	10.00	ug/kg	N	0.795
BIST010	MB031F1006	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	20	5	15	12.6	ug/kg	10.00	ug/kg	N	0.795
BIST011	LB011F1101	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	11	15	44.6	ug/kg	10.00	ug/kg	N	0.224
BIST011	LB011F1103	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	11	15	44.6	ug/kg	10.00	ug/kg	N	0.224
BIST011	LB011F1105	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	11	15	44.6	ug/kg	10.00	ug/kg	N	0.224
BIST012	LB011F1204	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	29	12	17	42.2	ug/kg	10.00	ug/kg	N	0.237
BIST012	LB011F1202	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	29	12	17	42.2	ug/kg	10.00	ug/kg	N	0.237
BIST012	LB011F1201	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	29	12	17	42.2	ug/kg	10.00	ug/kg	N	0.237
BIST013	LB011F1305	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	29	12	17	44.5	ug/kg	10.00	ug/kg	N	0.225
BIST013	LB011F1301	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	29	12	17	44.5	ug/kg	10.00	ug/kg	N	0.225
BIST013	LB011F1302	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	29	12	17	44.5	ug/kg	10.00	ug/kg	N	0.225
BIST015	LB032F1506	Spot	Whole Body	Total Chlordane (U=1/2; max ND)	2B	3	1	2	22.0	ug/kg	10.00	ug/kg	N	0.454
BIST015	LB032F1503	Threadfin shad	Whole Body	Total Chlordane (U=1/2; max ND)	2A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB031F1506	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	24	6	18	24.6	ug/kg	10.00	ug/kg	N	0.407
BIST015	LB031F1502	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	24	6	18	24.6	ug/kg	10.00	ug/kg	N	0.407
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB031F1504	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	24	6	18	24.6	ug/kg	10.00	ug/kg	N	0.407
BIST015	LB032F1504	Spot	Whole Body	Total Chlordane (U=1/2; max ND)	2B	3	1	2	22.0	ug/kg	10.00	ug/kg	N	0.454
BIST015	LB033F1516	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	24.0	ug/kg	Y	0.771
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1508	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	65.0	ug/kg	Y	2.09
BIST015	LB033F1511	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	92.0	ug/kg	Y	5.40
BIST015	LB033F1510	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	79.0	ug/kg	Y	4.64
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1513	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	38.0	ug/kg	Y	2.23
BIST015	LB033F1502	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1503	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	21.0	ug/kg	N	0.675
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total Chlordane (U=1/2; max ND)	3B	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1512	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	46.0	ug/kg	Y	2.70
BIST015	LB033F1517	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	21.0	ug/kg	N	0.675
BIST015	LB033F1505	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	32.0	ug/kg	Y	1.03
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1515	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	34.0	ug/kg	Y	1.09
BIST015	LB033F1514	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST015	LB034F1502	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST015	LB033F1507	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	21.0	ug/kg	N	0.675
BIST015	LB033F1506	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1509	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	33.0	ug/kg	Y	1.06
BIST015	LB033F1504	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	17.0	ug/kg	Y	0.546
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	88	33	55	31.1	ug/kg	10.00	ug/kg	N	0.321
BIST015	LB033F1501	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	88	33	55	31.1	ug/kg	51.0	ug/kg	Y	1.64
BIST015	LB034F1501	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST016	LB031F1610	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	35	17	18	34.1	ug/kg	10.00	ug/kg	N	0.294
BIST016	LB031F1602	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	35	17	18	34.1	ug/kg	10.00	ug/kg	N	0.294
BIST016	LB031F1601	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	35	17	18	34.1	ug/kg	10.00	ug/kg	N	0.294
BIST017	LB031F1703	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	11	4	7	35.5	ug/kg	10.00	ug/kg	N	0.282
BIST017	LB031F1704	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	11	4	7	35.5	ug/kg	10.00	ug/kg	N	0.282
BIST017	LB031A1752	Mussels	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST017	LB031F1702	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	11	4	7	35.5	ug/kg	10.00	ug/kg	N	0.282
BIST017	LB031A1754	Mussels	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST019	LB061F1901	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	14	12	30.8	ug/kg	10.00	ug/kg	N	0.325
BIST019	LB061F1903	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	14	12	30.8	ug/kg	10.00	ug/kg	N	0.325
BIST019	LB061F1902	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	14	12	30.8	ug/kg	10.00	ug/kg	N	0.325
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total Chlordane (U=1/2; max ND)	3B	42	17	25	22.7	ug/kg	10.00	ug/kg	N	0.440
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST021	LB093F2103	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	15.0	ug/kg	Y	0.881
BIST021	LB094F2118	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094F2115	Black Drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST021	LB094F2103	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094F2101	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	3B	42	17	25	22.7	ug/kg	10.00	ug/kg	N	0.440
BIST021	LB093F2102	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	33.0	ug/kg	Y	1.94
BIST021	LB094F2104	Red drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST021	LB094F2141	Pinfish	Whole Body	Total Chlordane (U=1/2; max ND)	3B	42	17	25	22.7	ug/kg	10.00	ug/kg	N	0.440
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB094F2134	Pinfish	Whole Body	Total Chlordane (U=1/2; max ND)	3B	42	17	25	22.7	ug/kg	10.00	ug/kg	N	0.440
BIST021	LB093F2107	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	63.0	ug/kg	Y	3.70
BIST021	LB093F2108	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	56.0	ug/kg	Y	3.29
BIST021	LB093F2105	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	26.0	ug/kg	Y	1.53
BIST021	LB093F2106	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	51.0	ug/kg	Y	2.99
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.00	ug/kg	N	0.587
BIST021	LB093F2104	Gizzard shad	Whole Body	Total Chlordane (U=1/2; max ND)	4A	208	56	152	17.0	ug/kg	44.0	ug/kg	Y	2.58
BIST021	LB093F2101	Striped mullet	Whole Body	Total Chlordane (U=1/2; max ND)	3A	42	17	25	22.7	ug/kg	10.00	ug/kg	N	0.440
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.0	ug/kg	N	1.35
BIST024	LB131F2406	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	32	14	18	27.8	ug/kg	10.00	ug/kg	N	0.360
BIST024	LB131F2402	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	32	14	18	27.8	ug/kg	10.00	ug/kg	N	0.360
BIST024	LB131F2408	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	32	14	18	27.8	ug/kg	10.00	ug/kg	N	0.360
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total Chlordane (U=1/2; max ND)	1	33	16	17	28.6	ug/kg	10.00	ug/kg	N	0.350
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	85	35	50	31.4	ug/kg	10.00	ug/kg	N	0.319
BIST025	LB131F2501	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	33	16	17	28.6	ug/kg	10.00	ug/kg	N	0.350
BIST025	LB131F2502	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	33	16	17	28.6	ug/kg	10.00	ug/kg	N	0.350
BIST025	LB132F2503	Spot	Whole Body	Total Chlordane (U=1/2; max ND)	2B	2	2	0	37.1	ug/kg	10.00	ug/kg	N	0.269
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	85	35	50	31.4	ug/kg	10.00	ug/kg	N	0.319
BIST026	LB131F2601	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	34	14	20	53.0	ug/kg	10.00	ug/kg	N	0.189
BIST026	LB131F2604	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	34	14	20	53.0	ug/kg	10.00	ug/kg	N	0.189
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	9	17	46.3	ug/kg	10.00	ug/kg	N	0.216
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	9	17	46.3	ug/kg	10.00	ug/kg	N	0.216
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	26	9	17	46.3	ug/kg	10.00	ug/kg	N	0.216
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	22	6	16	50.5	ug/kg	10.00	ug/kg	N	0.198
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	22	6	16	50.5	ug/kg	10.00	ug/kg	N	0.198
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	22	6	16	50.5	ug/kg	10.00	ug/kg	N	0.198
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	25	9	16	47.7	ug/kg	10.00	ug/kg	N	0.210
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	25	9	16	47.7	ug/kg	10.00	ug/kg	N	0.210
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total Chlordane (U=1/2; max ND)	1	25	9	16	47.7	ug/kg	10.00	ug/kg	N	0.210
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	43	16	27	25.6	ug/kg	10.00	ug/kg	N	0.390
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	43	16	27	25.6	ug/kg	10.00	ug/kg	N	0.390
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	49	19	30	23.8	ug/kg	10.00	ug/kg	N	0.420
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	49	19	30	23.8	ug/kg	10.00	ug/kg	N	0.420
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	49	19	30	23.8	ug/kg	10.00	ug/kg	N	0.420
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	67	26	41	23.8	ug/kg	10.00	ug/kg	N	0.420
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	86	32	54	30.2	ug/kg	20.0	ug/kg	Y	0.662
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total Chlordane (U=1/2; max ND)	2A	73	20	53	21.1	ug/kg	5.30	ug/kg	Y	0.251

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Total Chlordane (U=1/2; max ND)	3B	71	24	47	25.2	ug/kg	6.39	ug/kg	Y	0.343
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.3	ug/kg	Y	1.38
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 2B	71	24	47	25.2	ug/kg	4.90	ug/kg	Y	0.194
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Total Chlordane (U=1/2; max ND)	3B	72	25	47	25.9	ug/kg	15.3	ug/kg	Y	0.800
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	18.0	ug/kg	Y	1.43
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	14.8	ug/kg	Y	0.869
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total Chlordane (U=1/2; max ND)	3B	86	35	51	30.4	ug/kg	5.50	ug/kg	Y	0.181
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total Chlordane (U=1/2; max ND)	3B	86	35	51	30.4	ug/kg	7.70	ug/kg	Y	0.253
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total Chlordane (U=1/2; max ND)	3B	86	35	51	30.4	ug/kg	6.00	ug/kg	N	0.197
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total Chlordane (U=1/2; max ND)	3B	86	35	51	31.1	ug/kg	5.10	ug/kg	Y	0.164
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	10.2	ug/kg	N	0.810
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Total Chlordane (U=1/2; max ND)	4B	208	56	152	17.0	ug/kg	17.7	ug/kg	Y	1.40
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Total Chlordane (U=1/2; max ND)	3B	76	30	46	33.7	ug/kg	6.80	ug/kg	Y	0.273
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Total Chlordane (U=1/2; max ND)	3B	76	30	46	33.7	ug/kg	7.65	ug/kg	Y	0.307
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	1	0	1.12	ug/kg	6.00	ug/kg	N	5.36
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 1B	2	1	1	11.5	ug/kg	6.00	ug/kg	N	0.524
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	0	1	2.20	ug/kg	2.55	ug/kg	Y	1.16
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	0	1	2.20	ug/kg	2.85	ug/kg	Y	1.30
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	1	0	23.9	ug/kg	2.50	ug/kg	N	0.105
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	1	0	23.9	ug/kg	2.50	ug/kg	N	0.105
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total Chlordane (U=1/2; max ND)	I 1A	1	0	1	4.50	ug/kg	2.50	ug/kg	N	0.556
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 1B	1	0	1	5.40	ug/kg	2.50	ug/kg	N	0.463
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 1B	1	1	0	3.80	ug/kg	2.50	ug/kg	N	0.658
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 1B	3	2	1	7.05	ug/kg	2.50	ug/kg	N	0.355
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total Chlordane (U=1/2; max ND)	I 1B	3	2	1	80.9	ug/kg	2.50	ug/kg	N	0.0309
BIST004	UB041F0404	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	1	12	7.46	ug/kg	10.00	ug/kg	N	1.34
BIST004	UB041F0402	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	1	12	7.46	ug/kg	10.00	ug/kg	N	1.34
BIST004	UB041F0401	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	1	12	7.46	ug/kg	10.00	ug/kg	N	1.34
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	8	23	8.95	ug/kg	10.00	ug/kg	N	1.12
BIST005	UB051F0504	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054B0502	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	91.0	ug/kg	Y	11.6
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	8	23	8.95	ug/kg	10.00	ug/kg	N	1.12
BIST005	UB051F0509	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0505	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0518	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0508	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054B0501	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST005	UB051F0515	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0503	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0501	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	8	23	8.95	ug/kg	10.00	ug/kg	N	1.12
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	8	23	8.95	ug/kg	10.00	ug/kg	N	1.12
BIST005	UB054F0515	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	8	23	8.95	ug/kg	10.00	ug/kg	N	1.12
BIST005	UB054B0504	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST005	UB054F0503	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	76.0	ug/kg	Y	2.94
BIST005	UB054B0505	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST005	UB051F0525	Sailfin molly	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054F0504	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0516	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054F0502	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST005	UB051F0502	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0511	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0523	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054B0503	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST005	UB054B0506	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST005	UB054F0501	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST005	UB054F0516	Skipjack herring	Whole Body	Total DDT (U=1/2; max ND)	3A	31	8	23	8.95	ug/kg	41.0	ug/kg	Y	4.58
BIST005	UB051F0520	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	8	23	8.95	ug/kg	10.00	ug/kg	N	1.12
BIST005	UB054F0514	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST005	UB051F0510	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST005	UB051F0512	Sailfin molly	Whole Body	Total DDT (U=1/2; max ND)	1	13	4	9	7.83	ug/kg	10.00	ug/kg	N	1.28
BIST006	MB012F0604	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB011F0605	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	14	5	9	9.74	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB011F0607	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	14	5	9	9.74	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0607	Spot	Whole Body	Total DDT (U=1/2; max ND)	2B	3	1	2	11.3	ug/kg	21.0	ug/kg	Y	1.85
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB011F0615	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	14	5	9	9.74	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB014F0615	Sand seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB011F0616	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	14	5	9	9.74	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB011F0624	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	14	5	9	9.74	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB014B0603	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB014B0607	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST006	MB014F0601	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	21.0	ug/kg	Y	0.813
BIST006	MB014F0605	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST006	MB014B0606	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST006	MB014F0630	Sand seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB014B0605	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB014B0604	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST006	MB012F0611	Spot	Whole Body	Total DDT (U=1/2; max ND)	2B	3	1	2	11.3	ug/kg	23.0	ug/kg	Y	2.03
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB014B0602	Red drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST006	MB012F0619	Spot	Whole Body	Total DDT (U=1/2; max ND)	2B	3	1	2	11.3	ug/kg	10.00	ug/kg	N	0.883
BIST006	MB014F0628	White mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	31	9	22	9.73	ug/kg	24.0	ug/kg	Y	2.47
BIST006	MB014F0602	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	31	9	22	9.73	ug/kg	10.00	ug/kg	N	1.03
BIST007	MB011F0706	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	12	4	8	8.60	ug/kg	10.00	ug/kg	N	1.16
BIST007	MB011F0704	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	12	4	8	8.60	ug/kg	10.00	ug/kg	N	1.16
BIST007	MB011F0702	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	12	4	8	8.60	ug/kg	10.00	ug/kg	N	1.16

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST007	MB011F0703	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	12	4	8	8.60	ug/kg	10.00	ug/kg	N	1.16
BIST007	MB011F0708	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	12	4	8	8.60	ug/kg	10.00	ug/kg	N	1.16
BIST008	MB031V0808	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0813	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0803	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	100.0	ug/kg	N	7.18
BIST008	MB031F0804	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	6	14	16.7	ug/kg	10.00	ug/kg	N	0.598
BIST008	MB031V0807	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0816	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031F0811	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	6	14	16.7	ug/kg	10.00	ug/kg	N	0.598
BIST008	MB031V0810	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0802	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	100.0	ug/kg	N	7.18
BIST008	MB031F0806	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	6	14	16.7	ug/kg	10.00	ug/kg	N	0.598
BIST008	MB031V0801	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031F0803	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	6	14	16.7	ug/kg	10.00	ug/kg	N	0.598
BIST008	MB031F0805	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	6	14	16.7	ug/kg	10.00	ug/kg	N	0.598
BIST008	MB031V0811	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0819	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0818	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	100.0	ug/kg	N	7.18
BIST008	MB031V0817	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST008	MB031V0812	Shrimp	Shellfish	Total DDT (U=1/2; max ND)	I 2A	46	15	31	13.9	ug/kg	10.00	ug/kg	N	0.718
BIST010	MB031F1001	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	5	15	16.6	ug/kg	10.00	ug/kg	N	0.601
BIST010	MB031F1004	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	5	15	16.6	ug/kg	10.00	ug/kg	N	0.601
BIST010	MB031F1006	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	5	15	16.6	ug/kg	10.00	ug/kg	N	0.601
BIST010	MB031F1009	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	5	15	16.6	ug/kg	10.00	ug/kg	N	0.601
BIST010	MB031F1013	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	20	5	15	16.6	ug/kg	10.00	ug/kg	N	0.601
BIST011	LB011F1101	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	27	13	14	62.1	ug/kg	10.00	ug/kg	N	0.161
BIST011	LB011F1105	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	27	13	14	62.1	ug/kg	10.00	ug/kg	N	0.161
BIST011	LB011F1103	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	27	13	14	62.1	ug/kg	10.00	ug/kg	N	0.161
BIST012	LB011F1204	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	30	14	16	59.6	ug/kg	10.00	ug/kg	N	0.168
BIST012	LB011F1202	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	30	14	16	59.6	ug/kg	10.00	ug/kg	N	0.168
BIST012	LB011F1201	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	30	14	16	59.6	ug/kg	10.00	ug/kg	N	0.168
BIST013	LB011F1305	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	30	14	16	62.1	ug/kg	10.00	ug/kg	N	0.161
BIST013	LB011F1301	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	30	14	16	62.1	ug/kg	10.00	ug/kg	N	0.161
BIST013	LB011F1302	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	30	14	16	62.1	ug/kg	10.00	ug/kg	N	0.161
BIST015	LB031F1504	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	24	10	14	43.2	ug/kg	10.00	ug/kg	N	0.232
BIST015	LB032F1504	Spot	Whole Body	Total DDT (U=1/2; max ND)	2B	3	1	2	30.9	ug/kg	10.00	ug/kg	N	0.324
BIST015	LB032F1506	Spot	Whole Body	Total DDT (U=1/2; max ND)	2B	3	1	2	30.9	ug/kg	10.00	ug/kg	N	0.324
BIST015	LB031F1502	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	24	10	14	43.2	ug/kg	10.00	ug/kg	N	0.232
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB031F1506	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	24	10	14	43.2	ug/kg	10.00	ug/kg	N	0.232
BIST015	LB032F1503	Threadfin shad	Whole Body	Total DDT (U=1/2; max ND)	2A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1508	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	67.0	ug/kg	Y	1.49
BIST015	LB033F1509	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	54.0	ug/kg	Y	1.20
BIST015	LB033F1503	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	86.0	ug/kg	Y	1.91
BIST015	LB033F1510	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	39.0	ug/kg	Y	1.51
BIST015	LB033F1501	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	57.0	ug/kg	Y	1.27
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total DDT (U=1/2; max ND)	3B	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1516	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	25.0	ug/kg	Y	0.557

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1511	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	100.0	ug/kg	Y	3.87
BIST015	LB034F1502	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST015	LB033F1517	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	57.0	ug/kg	Y	1.27
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1512	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	30.0	ug/kg	Y	1.16
BIST015	LB033F1513	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	47.0	ug/kg	Y	1.82
BIST015	LB033F1502	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1506	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	23.0	ug/kg	Y	0.512
BIST015	LB033F1505	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB034F1501	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST015	LB033F1515	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1507	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	55.0	ug/kg	Y	1.22
BIST015	LB033F1514	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	32.0	ug/kg	Y	1.24
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	88	32	56	44.9	ug/kg	10.00	ug/kg	N	0.223
BIST015	LB033F1504	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	88	32	56	44.9	ug/kg	24.0	ug/kg	Y	0.534
BIST016	LB031F1610	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	35	18	17	50.9	ug/kg	10.00	ug/kg	N	0.196
BIST016	LB031F1602	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	35	18	17	50.9	ug/kg	10.00	ug/kg	N	0.196
BIST016	LB031F1601	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	35	18	17	50.9	ug/kg	10.00	ug/kg	N	0.196
BIST017	LB031F1704	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	11	5	6	64.2	ug/kg	10.00	ug/kg	N	0.156
BIST017	LB031F1702	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	11	5	6	64.2	ug/kg	10.00	ug/kg	N	0.156
BIST017	LB031A1754	Mussels	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	11	5	6	64.2	ug/kg	10.00	ug/kg	N	0.156
BIST017	LB031A1752	Mussels	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST019	LB061F1903	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	26	14	12	41.2	ug/kg	10.00	ug/kg	N	0.243
BIST019	LB061F1901	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	26	14	12	41.2	ug/kg	10.00	ug/kg	N	0.243
BIST019	LB061F1902	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	26	14	12	41.2	ug/kg	10.00	ug/kg	N	0.243
BIST021	LB093F2101	Striped mullet	Whole Body	Total DDT (U=1/2; max ND)	3A	42	15	27	29.7	ug/kg	10.00	ug/kg	N	0.337
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	27.0	ug/kg	Y	1.04
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB093F2103	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	22.0	ug/kg	Y	0.851
BIST021	LB093F2107	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB093F2102	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	210	ug/kg	Y	8.13
BIST021	LB093F2108	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	34.0	ug/kg	Y	1.32
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094F2134	Pinfish	Whole Body	Total DDT (U=1/2; max ND)	3B	42	15	27	29.7	ug/kg	10.00	ug/kg	N	0.337
BIST021	LB094F2141	Pinfish	Whole Body	Total DDT (U=1/2; max ND)	3B	42	15	27	29.7	ug/kg	10.00	ug/kg	N	0.337
BIST021	LB094F2118	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB094F2103	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB094F2115	Black Drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB093F2105	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	31.0	ug/kg	Y	1.20
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094F2104	Red drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total DDT (U=1/2; max ND)	3B	42	15	27	29.7	ug/kg	10.00	ug/kg	N	0.337

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094F2101	Spotted seatrout	Whole Body	Total DDT (U=1/2; max ND)	3B	42	15	27	29.7	ug/kg	10.00	ug/kg	N	0.337
BIST021	LB093F2104	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	10.00	ug/kg	N	0.387
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB093F2106	Gizzard shad	Whole Body	Total DDT (U=1/2; max ND)	4A	209	71	138	25.8	ug/kg	31.0	ug/kg	Y	1.20
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	56.8	ug/kg	N	0.890
BIST024	LB131F2402	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	32	15	17	36.8	ug/kg	10.00	ug/kg	N	0.271
BIST024	LB131F2408	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	32	15	17	36.8	ug/kg	10.00	ug/kg	N	0.271
BIST024	LB131F2406	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	32	15	17	36.8	ug/kg	10.00	ug/kg	N	0.271
BIST025	LB132F2503	Spot	Whole Body	Total DDT (U=1/2; max ND)	2B	2	2	0	78.2	ug/kg	22.0	ug/kg	Y	0.281
BIST025	LB131F2502	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	33	19	14	40.4	ug/kg	10.00	ug/kg	N	0.247
BIST025	LB131F2501	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	33	19	14	40.4	ug/kg	10.00	ug/kg	N	0.247
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	86	36	50	45.0	ug/kg	10.00	ug/kg	N	0.222
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	86	36	50	45.0	ug/kg	10.00	ug/kg	N	0.222
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total DDT (U=1/2; max ND)	1	33	19	14	40.4	ug/kg	10.00	ug/kg	N	0.247
BIST026	LB131F2604	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	34	18	16	65.3	ug/kg	10.00	ug/kg	N	0.153
BIST026	LB131F2601	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	34	18	16	65.3	ug/kg	10.00	ug/kg	N	0.153
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	27	11	16	64.8	ug/kg	10.00	ug/kg	N	0.154
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	27	11	16	64.8	ug/kg	10.00	ug/kg	N	0.154
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	27	11	16	64.8	ug/kg	10.00	ug/kg	N	0.154
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	22	6	16	63.5	ug/kg	10.00	ug/kg	N	0.157
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	22	6	16	63.5	ug/kg	10.00	ug/kg	N	0.157
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	22	6	16	63.5	ug/kg	10.00	ug/kg	N	0.157
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	25	10	15	67.6	ug/kg	10.00	ug/kg	N	0.148
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	25	10	15	67.6	ug/kg	10.00	ug/kg	N	0.148
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total DDT (U=1/2; max ND)	1	25	10	15	67.6	ug/kg	10.00	ug/kg	N	0.148
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	43	16	27	32.5	ug/kg	67.0	ug/kg	Y	2.06
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	43	16	27	32.5	ug/kg	73.0	ug/kg	Y	2.25
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	49	18	31	31.6	ug/kg	10.00	ug/kg	N	0.317
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	49	18	31	31.6	ug/kg	10.00	ug/kg	N	0.317
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	49	18	31	31.6	ug/kg	10.00	ug/kg	N	0.317
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	67	26	41	34.9	ug/kg	10.00	ug/kg	N	0.286
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	87	42	45	44.2	ug/kg	64.0	ug/kg	Y	1.45
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total DDT (U=1/2; max ND)	2A	74	32	42	32.7	ug/kg	8.40	ug/kg	Y	0.257
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	46.1	ug/kg	N	0.534
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Total DDT (U=1/2; max ND)	3B	72	36	36	38.2	ug/kg	50.2	ug/kg	Y	0.445
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total DDT (U=1/2; max ND)	I 2B	72	36	36	38.2	ug/kg	8.10	ug/kg	Y	0.212
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	69.2	ug/kg	Y	1.44
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Total DDT (U=1/2; max ND)	3B	73	37	36	38.8	ug/kg	65.2	ug/kg	N	0.830
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	7.40	ug/kg	Y	0.286
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total DDT (U=1/2; max ND)	3B	87	36	51	44.0	ug/kg	6.00	ug/kg	N	0.136
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total DDT (U=1/2; max ND)	3B	87	36	51	44.0	ug/kg	6.00	ug/kg	N	0.136
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total DDT (U=1/2; max ND)	3B	87	36	51	44.0	ug/kg	6.00	ug/kg	N	0.136
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total DDT (U=1/2; max ND)	3B	87	36	51	44.6	ug/kg	6.00	ug/kg	N	0.135
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Total DDT (U=1/2; max ND)	3B	76	29	47	46.4	ug/kg	51.8	ug/kg	Y	0.397
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	1	0	7.55	ug/kg	6.00	ug/kg	N	0.795
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	44.2	ug/kg	Y	0.482
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Total DDT (U=1/2; max ND)	4B	209	71	138	25.8	ug/kg	46.1	ug/kg	N	0.534

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Total DDT (U=1/2; max ND)	3B	76	29	47	46.4	ug/kg	47.9	ug/kg	Y	0.327
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total DDT (U=1/2; max ND)	I 1B	2	1	1	29.1	ug/kg	8.80	ug/kg	Y	0.302
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	0	1	4.30	ug/kg	8.00	ug/kg	Y	1.86
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	0	1	4.30	ug/kg	8.70	ug/kg	Y	2.02
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	1	0	25.6	ug/kg	6.30	ug/kg	Y	0.247
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	1	0	25.6	ug/kg	6.40	ug/kg	Y	0.250
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total DDT (U=1/2; max ND)	I 1A	1	1	0	10.00	ug/kg	6.00	ug/kg	Y	0.600
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total DDT (U=1/2; max ND)	I 1B	1	0	1	11.0	ug/kg	5.00	ug/kg	N	0.455
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total DDT (U=1/2; max ND)	I 1B	1	1	0	22.6	ug/kg	5.00	ug/kg	N	0.221
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total DDT (U=1/2; max ND)	I 1B	3	2	1	28.8	ug/kg	5.00	ug/kg	N	0.174
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total DDT (U=1/2; max ND)	I 1B	3	2	1	48.9	ug/kg	5.00	ug/kg	N	0.102
BIST004	UB041F0401	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	4	4	0	28.9	ng/kg	0.546	ng/kg	Y	0.0189
BIST004	UB041F0404	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	4	4	0	28.9	ng/kg	0.335	ng/kg	Y	0.0116
BIST004	UB041F0402	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	4	4	0	28.9	ng/kg	0.478	ng/kg	Y	0.0165
BIST005	UB051F0518	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	3	3	0	17.0	ng/kg	0.888	ng/kg	Y	0.0523
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	9	9	0	23.6	ng/kg	1.41	ng/kg	Y	0.0600
BIST005	UB051F0510	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	3	3	0	17.0	ng/kg	0.422	ng/kg	Y	0.0248
BIST005	UB051F0508	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	3	3	0	17.0	ng/kg	0.493	ng/kg	Y	0.0291
BIST006	MB014F0630	Sand seatrout	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	7	7	0	24.2	ng/kg	0.537	ng/kg	Y	0.0222
BIST006	MB014F0601	Red drum	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4B	52	52	0	202	ng/kg	1.13	ng/kg	Y	0.00561
BIST006	MB012F0607	Spot	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2B	1	1	0	24.0	ng/kg	7.06	ng/kg	Y	0.294
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2A	7	7	0	24.2	ng/kg	6.45	ng/kg	Y	0.266
BIST008	MB031V0807	Shrimp	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2A	12	12	0	45.4	ng/kg	1.77	ng/kg	Y	0.0391
BIST008	MB031V0801	Shrimp	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2A	12	12	0	45.4	ng/kg	2.06	ng/kg	Y	0.0455
BIST011	LB011F1103	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	6	6	0	936	ng/kg	3.47	ng/kg	Y	0.00371
BIST011	LB011F1105	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	6	6	0	936	ng/kg	2.43	ng/kg	Y	0.00260
BIST011	LB011F1101	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	6	6	0	936	ng/kg	3.33	ng/kg	Y	0.00356
BIST015	LB032F1504	Spot	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2B	1	1	0	808	ng/kg	7.33	ng/kg	Y	0.00908
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2A	22	22	0	409	ng/kg	18.3	ng/kg	Y	0.0448
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2A	22	22	0	409	ng/kg	11.8	ng/kg	Y	0.0288
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	2A	22	22	0	409	ng/kg	14.6	ng/kg	Y	0.0356
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	22	22	0	409	ng/kg	3.69	ng/kg	Y	0.00903
BIST015	LB034F1501	Red drum	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4B	52	52	0	202	ng/kg	0.949	ng/kg	Y	0.00469
BIST015	LB033F1503	Striped mullet	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3A	22	22	0	409	ng/kg	35.2	ng/kg	Y	0.0860
BIST015	LB033F1501	Striped mullet	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3A	22	22	0	409	ng/kg	41.3	ng/kg	Y	0.101
BIST015	LB034F1503	Spotted seatrout	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	22	22	0	409	ng/kg	1.53	ng/kg	Y	0.00375
BIST015	LB033F1502	Striped mullet	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3A	22	22	0	409	ng/kg	12.3	ng/kg	Y	0.0302
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	22	22	0	409	ng/kg	1.31	ng/kg	Y	0.00319
BIST017	LB031A1752	Mussels	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1A	1	1	0	56.4	ng/kg	12.9	ng/kg	Y	0.229
BIST019	LB061F1902	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	7	7	0	225	ng/kg	3.60	ng/kg	Y	0.0160
BIST019	LB061F1903	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	7	7	0	225	ng/kg	3.47	ng/kg	Y	0.0154
BIST019	LB061F1901	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	7	7	0	225	ng/kg	2.66	ng/kg	Y	0.0118
BIST021	LB093F2102	Gizzard shad	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4A	52	52	0	202	ng/kg	44.9	ng/kg	Y	0.222
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4B	52	52	0	202	ng/kg	1.96	ng/kg	Y	0.00969
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	10	10	0	165	ng/kg	2.03	ng/kg	Y	0.0124
BIST021	LB094F2103	Red drum	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4B	52	52	0	202	ng/kg	0.351	ng/kg	Y	0.00174
BIST021	LB093F2104	Gizzard shad	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4A	52	52	0	202	ng/kg	4.98	ng/kg	Y	0.0246
BIST021	LB093F2103	Gizzard shad	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	4A	52	52	0	202	ng/kg	27.9	ng/kg	Y	0.138
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	8	8	0	715	ng/kg	5.32	ng/kg	Y	0.00744
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	8	8	0	715	ng/kg	8.71	ng/kg	Y	0.0122

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	8	8	0	715	ng/kg	6.50	ng/kg	Y	0.00909
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	8	8	0	816	ng/kg	9.86	ng/kg	Y	0.0121
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	8	8	0	816	ng/kg	8.34	ng/kg	Y	0.0102
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	1	8	8	0	816	ng/kg	7.51	ng/kg	Y	0.00921
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2B	10	10	0	162	ng/kg	16.1	ng/kg	Y	0.0998
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2B	10	10	0	162	ng/kg	19.1	ng/kg	Y	0.118
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 2B	12	12	0	158	ng/kg	15.4	ng/kg	Y	0.0978
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	3B	22	22	0	394	ng/kg	3.22	ng/kg	Y	0.00815
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1A	1	1	0	876	ng/kg	16.5	ng/kg	Y	0.0189
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1A	1	1	0	214	ng/kg	1.21	ng/kg	Y	0.00562
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1B	1	1	0	82.1	ng/kg	4.70	ng/kg	Y	0.0573
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1B	1	1	0	4.95	ng/kg	6.12	ng/kg	Y	1.24
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	I 1B	2	2	0	440	ng/kg	84.2	ng/kg	Y	0.191
BIST004	UB041F0404	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	2200	ug/kg	200	ug/kg	N	0.0910
BIST004	UB041F0402	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	2200	ug/kg	40.0	ug/kg	N	0.0182
BIST004	UB041F0401	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	2200	ug/kg	200	ug/kg	N	0.0910
BIST005	UB054F0515	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST005	UB051F0509	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	34	12	22	2140	ug/kg	50.0	ug/kg	N	0.0234
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	34	12	22	2140	ug/kg	50.0	ug/kg	N	0.0234
BIST005	UB051F0520	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	34	12	22	2140	ug/kg	50.0	ug/kg	N	0.0234
BIST005	UB054F0514	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	40.0	ug/kg	N	0.0111
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	34	12	22	2140	ug/kg	50.0	ug/kg	N	0.0234
BIST005	UB051F0511	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB051F0501	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB051F0504	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB051F0518	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB051F0502	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	34	12	22	2140	ug/kg	50.0	ug/kg	N	0.0234
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB051F0516	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB051F0508	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB051F0505	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB051F0512	Sailfin molly	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	160	ug/kg	N	0.0556
BIST005	UB051F0503	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	34	12	22	2140	ug/kg	200	ug/kg	N	0.0935
BIST005	UB054F0501	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	40.0	ug/kg	N	0.0111
BIST005	UB051F0515	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	200	ug/kg	N	0.0695
BIST005	UB054F0516	Skipjack herring	Whole Body	Total HPAH (U=1/2; max ND)	3A	34	12	22	2140	ug/kg	50.0	ug/kg	N	0.0234
BIST005	UB051F0525	Sailfin molly	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	120	ug/kg	N	0.0417
BIST005	UB051F0510	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	40.0	ug/kg	N	0.0139
BIST005	UB054F0502	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST005	UB054F0503	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST005	UB051F0523	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	13	5	8	2880	ug/kg	80.0	ug/kg	N	0.0278
BIST005	UB054F0504	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST006	MB014F0601	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	40.0	ug/kg	N	0.0186
BIST006	MB014F0602	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB014F0630	Sand seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233
BIST006	MB014F0605	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	80.0	ug/kg	N	0.0373
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	160	ug/kg	N	0.0745
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	120	ug/kg	N	0.0559
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	160	ug/kg	N	0.0745
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	120	ug/kg	N	0.0559
BIST006	MB014F0615	Sand seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233
BIST006	MB011F0624	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	1500	ug/kg	200	ug/kg	N	0.133
BIST006	MB012F0607	Spot	Whole Body	Total HPAH (U=1/2; max ND)	2B	3	2	1	1820	ug/kg	160	ug/kg	N	0.0877
BIST006	MB011F0616	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	1500	ug/kg	200	ug/kg	N	0.133
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	320	ug/kg	N	0.149
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233
BIST006	MB011F0615	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	1500	ug/kg	400	ug/kg	N	0.267
BIST006	MB011F0607	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	1500	ug/kg	400	ug/kg	N	0.267
BIST006	MB014F0628	White mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	32	8	24	2150	ug/kg	50.0	ug/kg	N	0.0233
BIST006	MB012F0619	Spot	Whole Body	Total HPAH (U=1/2; max ND)	2B	3	2	1	1820	ug/kg	120	ug/kg	N	0.0658
BIST006	MB011F0605	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	15	6	9	1500	ug/kg	200	ug/kg	N	0.133
BIST006	MB012F0611	Spot	Whole Body	Total HPAH (U=1/2; max ND)	2B	3	2	1	1820	ug/kg	120	ug/kg	N	0.0658
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	32	8	24	2150	ug/kg	120	ug/kg	N	0.0559
BIST007	MB011F0703	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	12	6	6	2330	ug/kg	200	ug/kg	N	0.0859
BIST007	MB011F0702	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	12	6	6	2330	ug/kg	200	ug/kg	N	0.0859
BIST007	MB011F0708	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	12	6	6	2330	ug/kg	200	ug/kg	N	0.0859
BIST007	MB011F0706	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	12	6	6	2330	ug/kg	200	ug/kg	N	0.0859
BIST007	MB011F0704	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	12	6	6	2330	ug/kg	400	ug/kg	N	0.172
BIST008	MB031V0817	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	40.0	ug/kg	N	0.0189
BIST008	MB031V0819	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	40.0	ug/kg	N	0.0189
BIST008	MB031V0803	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	400	ug/kg	N	0.189
BIST008	MB031V0802	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	80.0	ug/kg	N	0.0377
BIST008	MB031V0812	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	4000	ug/kg	N	1.89
BIST008	MB031V0801	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	400	ug/kg	N	0.189
BIST008	MB031V0810	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	40.0	ug/kg	N	0.0189
BIST008	MB031V0811	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	400	ug/kg	N	0.189
BIST008	MB031F0804	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2260	ug/kg	200	ug/kg	N	0.0885
BIST008	MB031V0808	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	40.0	ug/kg	N	0.0189
BIST008	MB031F0805	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2260	ug/kg	200	ug/kg	N	0.0885
BIST008	MB031V0813	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	400	ug/kg	N	0.189
BIST008	MB031F0803	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2260	ug/kg	200	ug/kg	N	0.0885
BIST008	MB031F0811	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2260	ug/kg	200	ug/kg	N	0.0885
BIST008	MB031V0816	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	40.0	ug/kg	N	0.0189
BIST008	MB031F0806	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2260	ug/kg	200	ug/kg	N	0.0885
BIST008	MB031V0807	Shrimp	Shellfish	Total HPAH (U=1/2; max ND)	I 2A	47	12	35	2120	ug/kg	40.0	ug/kg	N	0.0189
BIST010	MB031F1009	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2250	ug/kg	200	ug/kg	N	0.0889
BIST010	MB031F1001	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2250	ug/kg	200	ug/kg	N	0.0889
BIST010	MB031F1004	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2250	ug/kg	200	ug/kg	N	0.0889
BIST010	MB031F1006	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2250	ug/kg	200	ug/kg	N	0.0889
BIST010	MB031F1013	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	20	7	13	2250	ug/kg	200	ug/kg	N	0.0889
BIST011	LB011F1105	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	30	14	16	2620	ug/kg	400	ug/kg	N	0.153

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST011	LB011F1101	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	30	14	16	2620	ug/kg	400	ug/kg	N	0.153
BIST011	LB011F1103	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	30	14	16	2620	ug/kg	400	ug/kg	N	0.153
BIST012	LB011F1202	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	36	17	19	2360	ug/kg	200	ug/kg	N	0.0849
BIST012	LB011F1201	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	36	17	19	2360	ug/kg	400	ug/kg	N	0.170
BIST012	LB011F1204	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	36	17	19	2360	ug/kg	40.0	ug/kg	N	0.0170
BIST013	LB011F1305	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	37	18	19	2300	ug/kg	200	ug/kg	N	0.0870
BIST013	LB011F1302	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	37	18	19	2300	ug/kg	80.0	ug/kg	N	0.0348
BIST013	LB011F1301	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	37	18	19	2300	ug/kg	200	ug/kg	N	0.0870
BIST015	LB032F1503	Threadfin shad	Whole Body	Total HPAH (U=1/2; max ND)	2A	133	50	83	5120	ug/kg	160	ug/kg	N	0.0312
BIST015	LB032F1506	Spot	Whole Body	Total HPAH (U=1/2; max ND)	2B	4	2	2	17000	ug/kg	80.0	ug/kg	N	0.00471
BIST015	LB031F1502	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	43	21	22	11700	ug/kg	200	ug/kg	N	0.0171
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	133	50	83	5120	ug/kg	160	ug/kg	N	0.0312
BIST015	LB031F1506	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	43	21	22	11700	ug/kg	200	ug/kg	N	0.0171
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	133	50	83	5120	ug/kg	160	ug/kg	N	0.0312
BIST015	LB031F1504	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	43	21	22	11700	ug/kg	400	ug/kg	N	0.0343
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	133	50	83	5120	ug/kg	120	ug/kg	N	0.0234
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total HPAH (U=1/2; max ND)	3B	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1517	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1515	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1511	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST015	LB033F1514	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST015	LB033F1512	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST015	LB033F1501	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1505	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB034F1501	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1510	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST015	LB034F1502	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST015	LB033F1509	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1508	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1504	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1503	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1502	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	133	50	83	5120	ug/kg	80.0	ug/kg	N	0.0156
BIST015	LB033F1507	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	3B	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1506	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	133	50	83	5120	ug/kg	50.0	ug/kg	N	0.00976
BIST015	LB033F1513	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST016	LB031F1602	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	55	26	29	9660	ug/kg	40.0	ug/kg	N	0.00414
BIST016	LB031F1601	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	55	26	29	9660	ug/kg	400	ug/kg	N	0.0414
BIST016	LB031F1610	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	55	26	29	9660	ug/kg	40.0	ug/kg	N	0.00414
BIST017	LB031F1704	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	19	10	9	22900	ug/kg	80.0	ug/kg	N	0.00349
BIST017	LB031A1752	Mussels	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	1	0	66900	ug/kg	200	ug/kg	N	0.00299
BIST017	LB031A1753	Mussels	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	1	0	66900	ug/kg	200	ug/kg	N	0.00299
BIST017	LB031F1703	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	19	10	9	22900	ug/kg	120	ug/kg	N	0.00524
BIST017	LB031A1754	Mussels	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	1	0	66900	ug/kg	200	ug/kg	N	0.00299
BIST017	LB031F1702	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	19	10	9	22900	ug/kg	1000	ug/kg	N	0.0437
BIST019	LB061F1902	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	42	21	21	2770	ug/kg	400	ug/kg	N	0.144
BIST019	LB061F1901	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	42	21	21	2770	ug/kg	40.0	ug/kg	N	0.0144

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST019	LB061F1903	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	42	21	21	2770	ug/kg	40.0	ug/kg	N	0.0144
BIST021	LB093F2108	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB093F2107	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2103	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB093F2101	Striped mullet	Whole Body	Total HPAH (U=1/2; max ND)	3A	69	20	49	2150	ug/kg	50.0	ug/kg	N	0.0232
BIST021	LB093F2103	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2104	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB093F2105	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2134	Pinfish	Whole Body	Total HPAH (U=1/2; max ND)	3B	69	20	49	2150	ug/kg	50.0	ug/kg	N	0.0232
BIST021	LB093F2106	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total HPAH (U=1/2; max ND)	3B	69	20	49	2150	ug/kg	50.0	ug/kg	N	0.0232
BIST021	LB094F2118	Red drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2141	Pinfish	Whole Body	Total HPAH (U=1/2; max ND)	3B	69	20	49	2150	ug/kg	50.0	ug/kg	N	0.0232
BIST021	LB093F2104	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2115	Black Drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST021	LB093F2102	Gizzard shad	Whole Body	Total HPAH (U=1/2; max ND)	4A	264	89	175	3590	ug/kg	50.0	ug/kg	N	0.0139
BIST024	LB131F2408	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	50	20	30	2010	ug/kg	400	ug/kg	N	0.199
BIST024	LB131F2406	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	50	20	30	2010	ug/kg	400	ug/kg	N	0.199
BIST024	LB131F2402	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	50	20	30	2010	ug/kg	200	ug/kg	N	0.0995
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	125	50	75	5380	ug/kg	40.0	ug/kg	N	0.00744
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total HPAH (U=1/2; max ND)	1	51	21	30	3260	ug/kg	800	ug/kg	N	0.245
BIST025	LB131F2502	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	51	21	30	3260	ug/kg	400	ug/kg	N	0.123
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	125	50	75	5380	ug/kg	160	ug/kg	N	0.0298
BIST025	LB132F2503	Spot	Whole Body	Total HPAH (U=1/2; max ND)	2B	2	2	0	1840	ug/kg	120	ug/kg	N	0.0651
BIST026	LB131F2604	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	49	23	26	3470	ug/kg	200	ug/kg	N	0.0576
BIST026	LB131F2601	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	49	23	26	3470	ug/kg	80.0	ug/kg	N	0.0230
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	32	16	16	2400	ug/kg	400	ug/kg	N	0.167
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	32	16	16	2400	ug/kg	400	ug/kg	N	0.167
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	32	16	16	2400	ug/kg	80.0	ug/kg	N	0.0333
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	31	17	14	10300	ug/kg	200	ug/kg	N	0.0195
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	31	17	14	10300	ug/kg	80.0	ug/kg	N	0.00780
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	31	17	14	10300	ug/kg	400	ug/kg	N	0.0390
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	31	16	15	3740	ug/kg	400	ug/kg	N	0.107
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	31	16	15	3740	ug/kg	40.0	ug/kg	N	0.0107
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total HPAH (U=1/2; max ND)	1	31	16	15	3740	ug/kg	400	ug/kg	N	0.107
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	69	22	47	2180	ug/kg	40.0	ug/kg	N	0.0183
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	69	22	47	2180	ug/kg	40.0	ug/kg	N	0.0183
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	77	25	52	2130	ug/kg	40.0	ug/kg	N	0.0188
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	77	25	52	2130	ug/kg	40.0	ug/kg	N	0.0188
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	77	25	52	2130	ug/kg	40.0	ug/kg	N	0.0188
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	107	35	72	5730	ug/kg	40.0	ug/kg	N	0.00698
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	116	46	70	5480	ug/kg	40.0	ug/kg	N	0.00730
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total HPAH (U=1/2; max ND)	2A	77	25	52	2120	ug/kg	2000	ug/kg	N	0.942
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total HPAH (U=1/2; max ND)	I 2B	82	29	53	2110	ug/kg	2000	ug/kg	N	0.947
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total HPAH (U=1/2; max ND)	4B	264	89	175	3590	ug/kg	1000	ug/kg	N	0.279

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total HPAH (U=1/2; max ND)	3B	127	53	74	5360	ug/kg	2000	ug/kg	N	0.373
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total HPAH (U=1/2; max ND)	3B	127	53	74	5360	ug/kg	1000	ug/kg	N	0.187
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total HPAH (U=1/2; max ND)	3B	127	53	74	5360	ug/kg	2000	ug/kg	N	0.373
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total HPAH (U=1/2; max ND)	3B	127	52	75	5340	ug/kg	1000	ug/kg	N	0.187
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	0	1	180	ug/kg	2000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total HPAH (U=1/2; max ND)	I 1B	2	0	2	955	ug/kg	2000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	0	1	570	ug/kg	3390	ug/kg	Y	5.94
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	0	1	570	ug/kg	3400	ug/kg	Y	5.97
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	1	0	4040	ug/kg	3370	ug/kg	Y	0.835
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	1	0	4040	ug/kg	3370	ug/kg	Y	0.834
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total HPAH (U=1/2; max ND)	I 1A	1	0	1	970	ug/kg	3380	ug/kg	Y	3.49
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total HPAH (U=1/2; max ND)	I 1B	1	1	0	4610	ug/kg	3360	ug/kg	Y	0.728
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total HPAH (U=1/2; max ND)	I 1B	1	0	1	1100	ug/kg	3390	ug/kg	Y	3.08
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total HPAH (U=1/2; max ND)	I 1B	3	1	2	1720	ug/kg	3400	ug/kg	Y	1.98
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total HPAH (U=1/2; max ND)	I 1B	3	2	1	1620	ug/kg	3380	ug/kg	Y	2.09
BIST004	UB041F0404	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	2	13	1720	ug/kg	200	ug/kg	N	0.116
BIST004	UB041F0402	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	2	13	1720	ug/kg	40.0	ug/kg	N	0.0232
BIST004	UB041F0401	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	2	13	1720	ug/kg	200	ug/kg	N	0.116
BIST005	UB051F0504	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	306	ug/kg	Y	0.120
BIST005	UB051F0501	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	317	ug/kg	Y	0.124
BIST005	UB051F0502	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	40.0	ug/kg	N	0.0157
BIST005	UB051F0503	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	324	ug/kg	Y	0.127
BIST005	UB051F0505	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	80.0	ug/kg	N	0.0314
BIST005	UB051F0508	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	40.0	ug/kg	N	0.0157
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	34	7	27	1710	ug/kg	200	ug/kg	Y	0.117
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	34	7	27	1710	ug/kg	50.0	ug/kg	N	0.0293
BIST005	UB051F0520	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	315	ug/kg	Y	0.123
BIST005	UB054F0504	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST005	UB051F0510	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	177	ug/kg	Y	0.0694
BIST005	UB051F0511	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	170	ug/kg	Y	0.0666
BIST005	UB051F0515	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	200	ug/kg	N	0.0784
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	34	7	27	1710	ug/kg	200	ug/kg	N	0.117
BIST005	UB051F0509	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	165	ug/kg	Y	0.0647
BIST005	UB054F0515	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST005	UB051F0523	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	339	ug/kg	Y	0.133
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	34	7	27	1710	ug/kg	50.0	ug/kg	N	0.0293
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	34	7	27	1710	ug/kg	215	ug/kg	Y	0.126
BIST005	UB051F0516	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	312	ug/kg	Y	0.122
BIST005	UB051F0512	Sailfin molly	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	650	ug/kg	Y	0.255
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	40.0	ug/kg	N	0.0157
BIST005	UB054F0514	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	40.0	ug/kg	N	0.00852
BIST005	UB054F0502	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	34	7	27	1710	ug/kg	50.0	ug/kg	N	0.0293
BIST005	UB054F0516	Skipjack herring	Whole Body	Total LPAH (U=1/2; max ND)	3A	34	7	27	1710	ug/kg	266	ug/kg	Y	0.156
BIST005	UB051F0525	Sailfin molly	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	120	ug/kg	N	0.0470
BIST005	UB054F0503	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST005	UB051F0518	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	13	4	9	2550	ug/kg	166	ug/kg	Y	0.0651
BIST005	UB054F0501	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	40.0	ug/kg	N	0.00852
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	32	5	27	1780	ug/kg	50.0	ug/kg	N	0.0282
BIST006	MB012F0607	Spot	Whole Body	Total LPAH (U=1/2; max ND)	2B	3	1	2	728	ug/kg	160	ug/kg	N	0.220

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB011F0605	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	4	11	912	ug/kg	200	ug/kg	N	0.219
BIST006	MB012F0611	Spot	Whole Body	Total LPAH (U=1/2; max ND)	2B	3	1	2	728	ug/kg	491	ug/kg	Y	0.674
BIST006	MB011F0615	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	4	11	912	ug/kg	400	ug/kg	N	0.438
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	40.0	ug/kg	N	0.0225
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	320	ug/kg	N	0.180
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	482	ug/kg	Y	0.271
BIST006	MB014F0602	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST006	MB014F0630	Sand seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	32	5	27	1780	ug/kg	50.0	ug/kg	N	0.0282
BIST006	MB011F0624	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	4	11	912	ug/kg	200	ug/kg	N	0.219
BIST006	MB014F0601	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST006	MB014F0615	Sand seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	32	5	27	1780	ug/kg	50.0	ug/kg	N	0.0282
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	32	5	27	1780	ug/kg	50.0	ug/kg	N	0.0282
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	160	ug/kg	N	0.0901
BIST006	MB014F0628	White mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	32	5	27	1780	ug/kg	50.0	ug/kg	N	0.0282
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	120	ug/kg	N	0.0676
BIST006	MB011F0616	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	4	11	912	ug/kg	200	ug/kg	N	0.219
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	32	5	27	1780	ug/kg	50.0	ug/kg	N	0.0282
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	32	5	27	1780	ug/kg	201	ug/kg	Y	0.113
BIST006	MB012F0619	Spot	Whole Body	Total LPAH (U=1/2; max ND)	2B	3	1	2	728	ug/kg	120	ug/kg	N	0.165
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	343	ug/kg	Y	0.193
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	160	ug/kg	N	0.0901
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	32	5	27	1780	ug/kg	120	ug/kg	N	0.0676
BIST006	MB011F0607	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	15	4	11	912	ug/kg	400	ug/kg	N	0.438
BIST006	MB014F0605	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST007	MB011F0708	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	12	5	7	1880	ug/kg	200	ug/kg	N	0.106
BIST007	MB011F0703	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	12	5	7	1880	ug/kg	200	ug/kg	N	0.106
BIST007	MB011F0702	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	12	5	7	1880	ug/kg	200	ug/kg	N	0.106
BIST007	MB011F0706	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	12	5	7	1880	ug/kg	200	ug/kg	N	0.106
BIST007	MB011F0704	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	12	5	7	1880	ug/kg	200	ug/kg	N	0.106
BIST008	MB031F0803	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1140	ug/kg	200	ug/kg	N	0.176
BIST008	MB031F0804	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1140	ug/kg	200	ug/kg	N	0.176
BIST008	MB031V0811	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031F0805	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1140	ug/kg	200	ug/kg	N	0.176
BIST008	MB031F0806	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1140	ug/kg	200	ug/kg	N	0.176
BIST008	MB031F0811	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1140	ug/kg	200	ug/kg	N	0.176
BIST008	MB031V0810	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031V0801	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	400	ug/kg	N	0.311
BIST008	MB031V0802	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	80.0	ug/kg	N	0.0622
BIST008	MB031V0803	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	400	ug/kg	N	0.311
BIST008	MB031V0816	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031V0807	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031V0808	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031V0819	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031V0813	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	400	ug/kg	N	0.311
BIST008	MB031V0817	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST008	MB031V0812	Shrimp	Shellfish	Total LPAH (U=1/2; max ND)	I 2A	47	6	41	1290	ug/kg	40.0	ug/kg	N	0.0311
BIST010	MB031F1004	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1130	ug/kg	200	ug/kg	N	0.178
BIST010	MB031F1013	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1130	ug/kg	200	ug/kg	N	0.178
BIST010	MB031F1006	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1130	ug/kg	200	ug/kg	N	0.178
BIST010	MB031F1001	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1130	ug/kg	200	ug/kg	N	0.178

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST010	MB031F1009	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	20	4	16	1130	ug/kg	200	ug/kg	N	0.178
BIST011	LB011F1105	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	31	8	23	1310	ug/kg	400	ug/kg	N	0.305
BIST011	LB011F1101	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	31	8	23	1310	ug/kg	400	ug/kg	N	0.305
BIST011	LB011F1103	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	31	8	23	1310	ug/kg	400	ug/kg	N	0.305
BIST012	LB011F1204	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	37	11	26	1320	ug/kg	40.0	ug/kg	N	0.0302
BIST012	LB011F1201	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	37	11	26	1320	ug/kg	400	ug/kg	N	0.302
BIST012	LB011F1202	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	37	11	26	1320	ug/kg	200	ug/kg	N	0.151
BIST013	LB011F1302	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	38	12	26	1200	ug/kg	80.0	ug/kg	N	0.0668
BIST013	LB011F1301	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	38	12	26	1200	ug/kg	200	ug/kg	N	0.167
BIST013	LB011F1305	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	38	12	26	1200	ug/kg	200	ug/kg	N	0.167
BIST015	LB032F1506	Spot	Whole Body	Total LPAH (U=1/2; max ND)	2B	4	1	3	6920	ug/kg	80.0	ug/kg	N	0.0116
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	136	29	107	7910	ug/kg	643	ug/kg	Y	0.0813
BIST015	LB031F1506	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	44	11	33	21700	ug/kg	200	ug/kg	N	0.00923
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	136	29	107	7910	ug/kg	160	ug/kg	N	0.0202
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	136	29	107	7910	ug/kg	120	ug/kg	N	0.0152
BIST015	LB032F1503	Threadfin shad	Whole Body	Total LPAH (U=1/2; max ND)	2A	136	29	107	7910	ug/kg	670	ug/kg	Y	0.0847
BIST015	LB031F1502	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	44	11	33	21700	ug/kg	200	ug/kg	N	0.00923
BIST015	LB031F1504	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	44	11	33	21700	ug/kg	400	ug/kg	N	0.0185
BIST015	LB033F1503	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB033F1509	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB034F1501	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1512	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1513	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1507	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	276	ug/kg	Y	0.0349
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total LPAH (U=1/2; max ND)	3B	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB033F1506	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	201	ug/kg	Y	0.0254
BIST015	LB033F1514	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	258	ug/kg	Y	0.0326
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	136	29	107	7910	ug/kg	332	ug/kg	Y	0.0420
BIST015	LB033F1505	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB033F1517	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB033F1511	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1504	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB033F1501	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	275	ug/kg	Y	0.0348
BIST015	LB033F1510	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1515	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	275	ug/kg	Y	0.0348
BIST015	LB034F1502	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST015	LB033F1508	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	242	ug/kg	Y	0.0306
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	3B	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST015	LB033F1502	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	136	29	107	7910	ug/kg	50.0	ug/kg	N	0.00632
BIST016	LB031F1601	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	55	18	37	17800	ug/kg	400	ug/kg	N	0.0224
BIST016	LB031F1610	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	55	18	37	17800	ug/kg	40.0	ug/kg	N	0.00224
BIST016	LB031F1602	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	55	18	37	17800	ug/kg	40.0	ug/kg	N	0.00224
BIST017	LB031A1754	Mussels	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	1	0	4630	ug/kg	200	ug/kg	N	0.0432
BIST017	LB031A1752	Mussels	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	1	0	4630	ug/kg	200	ug/kg	N	0.0432
BIST017	LB031F1703	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	19	5	14	48200	ug/kg	120	ug/kg	N	0.00249
BIST017	LB031F1702	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	19	5	14	48200	ug/kg	1000	ug/kg	N	0.0208
BIST017	LB031A1753	Mussels	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	1	0	4630	ug/kg	772	ug/kg	Y	0.167
BIST017	LB031F1704	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	19	5	14	48200	ug/kg	80.0	ug/kg	N	0.00166

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST019	LB061F1902	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	42	13	29	1680	ug/kg	400	ug/kg	N	0.238
BIST019	LB061F1901	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	42	13	29	1680	ug/kg	40.0	ug/kg	N	0.0238
BIST019	LB061F1903	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	42	13	29	1680	ug/kg	40.0	ug/kg	N	0.0238
BIST021	LB093F2101	Striped mullet	Whole Body	Total LPAH (U=1/2; max ND)	3A	71	11	60	1450	ug/kg	50.0	ug/kg	N	0.0345
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB093F2107	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	201	ug/kg	Y	0.0428
BIST021	LB093F2103	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2104	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB093F2104	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2134	Pinfish	Whole Body	Total LPAH (U=1/2; max ND)	3B	71	11	60	1450	ug/kg	50.0	ug/kg	N	0.0345
BIST021	LB093F2108	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2103	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total LPAH (U=1/2; max ND)	3B	71	11	60	1450	ug/kg	50.0	ug/kg	N	0.0345
BIST021	LB093F2105	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB093F2102	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2115	Black Drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB094F2141	Pinfish	Whole Body	Total LPAH (U=1/2; max ND)	3B	71	11	60	1450	ug/kg	50.0	ug/kg	N	0.0345
BIST021	LB094F2118	Red drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST021	LB093F2106	Gizzard shad	Whole Body	Total LPAH (U=1/2; max ND)	4A	267	44	223	4700	ug/kg	50.0	ug/kg	N	0.0106
BIST024	LB131F2402	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	50	12	38	1230	ug/kg	200	ug/kg	N	0.163
BIST024	LB131F2408	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	50	12	38	1230	ug/kg	400	ug/kg	N	0.325
BIST024	LB131F2406	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	50	12	38	1230	ug/kg	400	ug/kg	N	0.325
BIST025	LB132F2503	Spot	Whole Body	Total LPAH (U=1/2; max ND)	2B	2	2	0	1480	ug/kg	494	ug/kg	Y	0.334
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total LPAH (U=1/2; max ND)	1	51	12	39	1700	ug/kg	800	ug/kg	N	0.472
BIST025	LB131F2502	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	51	12	39	1700	ug/kg	400	ug/kg	N	0.236
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	127	29	98	8400	ug/kg	160	ug/kg	N	0.0190
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	127	29	98	8400	ug/kg	165	ug/kg	Y	0.0196
BIST026	LB131F2604	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	50	17	33	1760	ug/kg	200	ug/kg	N	0.114
BIST026	LB131F2601	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	50	17	33	1760	ug/kg	80.0	ug/kg	N	0.0454
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	33	11	22	1260	ug/kg	400	ug/kg	N	0.318
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	33	11	22	1260	ug/kg	400	ug/kg	N	0.318
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	33	11	22	1260	ug/kg	80.0	ug/kg	N	0.0637
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	32	11	21	23000	ug/kg	400	ug/kg	N	0.0174
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	32	11	21	23000	ug/kg	80.0	ug/kg	N	0.00348
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	32	11	21	23000	ug/kg	200	ug/kg	N	0.00870
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	32	10	22	1520	ug/kg	400	ug/kg	N	0.264
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	32	10	22	1520	ug/kg	400	ug/kg	N	0.264
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total LPAH (U=1/2; max ND)	1	32	10	22	1520	ug/kg	40.0	ug/kg	N	0.0264
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	71	13	58	1450	ug/kg	40.0	ug/kg	N	0.0276
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	71	13	58	1450	ug/kg	40.0	ug/kg	N	0.0276
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	79	15	64	1430	ug/kg	40.0	ug/kg	N	0.0279
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	79	15	64	1430	ug/kg	40.0	ug/kg	N	0.0279
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	79	15	64	1430	ug/kg	40.0	ug/kg	N	0.0279
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	109	20	89	9570	ug/kg	40.0	ug/kg	N	0.00418
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	117	26	91	8870	ug/kg	40.0	ug/kg	N	0.00451
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total LPAH (U=1/2; max ND)	2A	78	12	66	1250	ug/kg	2000	ug/kg	N	1.60

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total LPAH (U=1/2; max ND)	I 2B	83	14	69	1210	ug/kg	2000	ug/kg	N	1.65
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total LPAH (U=1/2; max ND)	3B	128	30	98	8350	ug/kg	2000	ug/kg	N	0.239
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total LPAH (U=1/2; max ND)	3B	128	30	98	8350	ug/kg	2000	ug/kg	N	0.239
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total LPAH (U=1/2; max ND)	3B	128	30	98	8350	ug/kg	1000	ug/kg	N	0.120
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total LPAH (U=1/2; max ND)	4B	267	44	223	4700	ug/kg	1000	ug/kg	N	0.213
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total LPAH (U=1/2; max ND)	3B	129	30	99	8300	ug/kg	1000	ug/kg	N	0.121
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	0	1	180	ug/kg	2000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total LPAH (U=1/2; max ND)	I 1B	2	0	2	955	ug/kg	2000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	0	1	570	ug/kg	2350	ug/kg	Y	4.13
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	0	1	570	ug/kg	2350	ug/kg	Y	4.13
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	1	0	3080	ug/kg	2350	ug/kg	Y	0.763
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	1	0	3080	ug/kg	2350	ug/kg	Y	0.763
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total LPAH (U=1/2; max ND)	I 1A	1	0	1	970	ug/kg	2350	ug/kg	Y	2.43
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total LPAH (U=1/2; max ND)	I 1B	1	0	1	1000	ug/kg	2350	ug/kg	Y	2.35
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total LPAH (U=1/2; max ND)	I 1B	1	0	1	1100	ug/kg	2360	ug/kg	Y	2.14
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total LPAH (U=1/2; max ND)	I 1B	3	1	2	1590	ug/kg	2360	ug/kg	Y	1.48
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total LPAH (U=1/2; max ND)	I 1B	3	2	1	1180	ug/kg	2360	ug/kg	Y	1.99
BIST004	UB041F0404	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	7	8	3310	ug/kg	200	ug/kg	N	0.0605
BIST004	UB041F0401	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	7	8	3310	ug/kg	200	ug/kg	N	0.0605
BIST004	UB041F0402	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	7	8	3310	ug/kg	40.0	ug/kg	N	0.0121
BIST005	UB054F0515	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST005	UB054F0501	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	40.0	ug/kg	N	0.00372
BIST005	UB051F0503	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	724	ug/kg	Y	0.167
BIST005	UB051F0509	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	365	ug/kg	Y	0.0843
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	34	13	21	3270	ug/kg	465	ug/kg	Y	0.142
BIST005	UB054F0516	Skipjack herring	Whole Body	Total PAH (U=1/2; max ND)	3A	34	13	21	3270	ug/kg	516	ug/kg	Y	0.158
BIST005	UB051F0525	Sailfin molly	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	120	ug/kg	N	0.0277
BIST005	UB054F0504	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	34	13	21	3270	ug/kg	200	ug/kg	N	0.0611
BIST005	UB051F0511	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	370	ug/kg	Y	0.0854
BIST005	UB051F0502	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	40.0	ug/kg	N	0.00924
BIST005	UB051F0501	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	717	ug/kg	Y	0.166
BIST005	UB051F0523	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	379	ug/kg	Y	0.0875
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	34	13	21	3270	ug/kg	50.0	ug/kg	N	0.0153
BIST005	UB051F0510	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	377	ug/kg	Y	0.0871
BIST005	UB054F0502	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	34	13	21	3270	ug/kg	50.0	ug/kg	N	0.0153
BIST005	UB051F0518	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	366	ug/kg	Y	0.0845
BIST005	UB051F0508	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	40.0	ug/kg	N	0.00924
BIST005	UB051F0504	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	706	ug/kg	Y	0.163
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	34	13	21	3270	ug/kg	50.0	ug/kg	N	0.0153
BIST005	UB051F0515	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	200	ug/kg	N	0.0462
BIST005	UB051F0512	Sailfin molly	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	1450	ug/kg	Y	0.335
BIST005	UB054F0514	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	40.0	ug/kg	N	0.00372
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	34	13	21	3270	ug/kg	450	ug/kg	Y	0.138
BIST005	UB051F0505	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	80.0	ug/kg	N	0.0185
BIST005	UB054F0503	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST005	UB051F0516	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	712	ug/kg	Y	0.164
BIST005	UB051F0520	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	715	ug/kg	Y	0.165
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total PAH (U=1/2; max ND)	1	13	5	8	4330	ug/kg	40.0	ug/kg	N	0.00924

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	120	ug/kg	N	0.0399
BIST006	MB014F0605	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	743	ug/kg	Y	0.247
BIST006	MB012F0619	Spot	Whole Body	Total PAH (U=1/2; max ND)	2B	3	2	1	3120	ug/kg	120	ug/kg	N	0.0385
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	40.0	ug/kg	N	0.0133
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	160	ug/kg	N	0.0532
BIST006	MB011F0616	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	6	9	2330	ug/kg	200	ug/kg	N	0.0859
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	32	8	24	3010	ug/kg	50.0	ug/kg	N	0.0166
BIST006	MB014F0601	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST006	MB014F0628	White mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	32	8	24	3010	ug/kg	50.0	ug/kg	N	0.0166
BIST006	MB011F0607	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	6	9	2330	ug/kg	400	ug/kg	N	0.172
BIST006	MB014F0630	Sand seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	32	8	24	3010	ug/kg	50.0	ug/kg	N	0.0166
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	32	8	24	3010	ug/kg	451	ug/kg	Y	0.150
BIST006	MB011F0615	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	6	9	2330	ug/kg	400	ug/kg	N	0.172
BIST006	MB014F0602	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	32	8	24	3010	ug/kg	50.0	ug/kg	N	0.0166
BIST006	MB014F0615	Sand seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	32	8	24	3010	ug/kg	50.0	ug/kg	N	0.0166
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	320	ug/kg	N	0.106
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	160	ug/kg	N	0.0532
BIST006	MB011F0624	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	6	9	2330	ug/kg	200	ug/kg	N	0.0859
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	120	ug/kg	N	0.0399
BIST006	MB011F0605	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	15	6	9	2330	ug/kg	200	ug/kg	N	0.0859
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	32	8	24	3010	ug/kg	1080	ug/kg	Y	0.360
BIST006	MB012F0607	Spot	Whole Body	Total PAH (U=1/2; max ND)	2B	3	2	1	3120	ug/kg	160	ug/kg	N	0.0514
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	32	8	24	3010	ug/kg	50.0	ug/kg	N	0.0166
BIST006	MB012F0611	Spot	Whole Body	Total PAH (U=1/2; max ND)	2B	3	2	1	3120	ug/kg	1090	ug/kg	Y	0.350
BIST007	MB011F0708	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	12	6	6	4000	ug/kg	200	ug/kg	N	0.0500
BIST007	MB011F0706	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	12	6	6	4000	ug/kg	200	ug/kg	N	0.0500
BIST007	MB011F0704	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	12	6	6	4000	ug/kg	400	ug/kg	N	0.1000
BIST007	MB011F0703	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	12	6	6	4000	ug/kg	200	ug/kg	N	0.0500
BIST007	MB011F0702	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	12	6	6	4000	ug/kg	200	ug/kg	N	0.0500
BIST008	MB031V0808	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	40.0	ug/kg	N	0.0140
BIST008	MB031V0807	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	40.0	ug/kg	N	0.0140
BIST008	MB031V0813	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	400	ug/kg	N	0.140
BIST008	MB031V0817	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	40.0	ug/kg	N	0.0140
BIST008	MB031F0803	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2950	ug/kg	200	ug/kg	N	0.0678
BIST008	MB031V0811	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	400	ug/kg	N	0.140
BIST008	MB031F0804	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2950	ug/kg	200	ug/kg	N	0.0678
BIST008	MB031F0805	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2950	ug/kg	200	ug/kg	N	0.0678
BIST008	MB031F0806	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2950	ug/kg	200	ug/kg	N	0.0678
BIST008	MB031V0810	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	40.0	ug/kg	N	0.0140
BIST008	MB031F0811	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2950	ug/kg	200	ug/kg	N	0.0678
BIST008	MB031V0819	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	40.0	ug/kg	N	0.0140
BIST008	MB031V0812	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	4000	ug/kg	N	1.40
BIST008	MB031V0801	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	400	ug/kg	N	0.140
BIST008	MB031V0816	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	40.0	ug/kg	N	0.0140
BIST008	MB031V0802	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	80.0	ug/kg	N	0.0280
BIST008	MB031V0803	Shrimp	Shellfish	Total PAH (U=1/2; max ND)	I 2A	47	12	35	2850	ug/kg	400	ug/kg	N	0.140
BIST010	MB031F1009	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2940	ug/kg	200	ug/kg	N	0.0681
BIST010	MB031F1013	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2940	ug/kg	200	ug/kg	N	0.0681

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST010	MB031F1001	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2940	ug/kg	200	ug/kg	N	0.0681
BIST010	MB031F1004	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2940	ug/kg	200	ug/kg	N	0.0681
BIST010	MB031F1006	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	20	7	13	2940	ug/kg	200	ug/kg	N	0.0681
BIST011	LB011F1105	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	31	14	17	3650	ug/kg	400	ug/kg	N	0.110
BIST011	LB011F1101	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	31	14	17	3650	ug/kg	400	ug/kg	N	0.110
BIST011	LB011F1103	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	31	14	17	3650	ug/kg	400	ug/kg	N	0.110
BIST012	LB011F1202	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	37	17	20	3230	ug/kg	200	ug/kg	N	0.0620
BIST012	LB011F1204	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	37	17	20	3230	ug/kg	40.0	ug/kg	N	0.0124
BIST012	LB011F1201	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	37	17	20	3230	ug/kg	400	ug/kg	N	0.124
BIST013	LB011F1301	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	38	18	20	3210	ug/kg	200	ug/kg	N	0.0623
BIST013	LB011F1305	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	38	18	20	3210	ug/kg	200	ug/kg	N	0.0623
BIST013	LB011F1302	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	38	18	20	3210	ug/kg	80.0	ug/kg	N	0.0249
BIST015	LB032F1506	Spot	Whole Body	Total PAH (U=1/2; max ND)	2B	4	2	2	26900	ug/kg	80.0	ug/kg	N	0.00297
BIST015	LB031F1504	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	44	23	21	50800	ug/kg	400	ug/kg	N	0.00787
BIST015	LB031F1502	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	44	23	21	50800	ug/kg	200	ug/kg	N	0.00394
BIST015	LB031F1506	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	44	23	21	50800	ug/kg	200	ug/kg	N	0.00394
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	136	52	84	18300	ug/kg	723	ug/kg	Y	0.0395
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	136	52	84	18300	ug/kg	120	ug/kg	N	0.00655
BIST015	LB032F1503	Threadfin shad	Whole Body	Total PAH (U=1/2; max ND)	2A	136	52	84	18300	ug/kg	1470	ug/kg	Y	0.0803
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	136	52	84	18300	ug/kg	160	ug/kg	N	0.00874
BIST015	LB033F1517	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB033F1515	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	525	ug/kg	Y	0.0287
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	508	ug/kg	Y	0.0277
BIST015	LB033F1504	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total PAH (U=1/2; max ND)	3B	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB034F1501	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	3B	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB034F1502	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST015	LB033F1501	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	375	ug/kg	Y	0.0205
BIST015	LB033F1505	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB033F1512	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST015	LB033F1514	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST015	LB033F1510	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	136	52	84	18300	ug/kg	732	ug/kg	Y	0.0400
BIST015	LB033F1511	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST015	LB033F1503	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB033F1508	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	492	ug/kg	Y	0.0269
BIST015	LB033F1509	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB033F1502	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	50.0	ug/kg	N	0.00273
BIST015	LB033F1506	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	451	ug/kg	Y	0.0246
BIST015	LB033F1507	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	136	52	84	18300	ug/kg	526	ug/kg	Y	0.0287
BIST015	LB033F1513	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST016	LB031F1601	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	55	28	27	41400	ug/kg	400	ug/kg	N	0.00965
BIST016	LB031F1610	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	55	28	27	41400	ug/kg	40.0	ug/kg	N	0.000965
BIST016	LB031F1602	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	55	28	27	41400	ug/kg	40.0	ug/kg	N	0.000965
BIST017	LB031F1702	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	19	12	7	113000	ug/kg	1000	ug/kg	N	0.00887
BIST017	LB031A1752	Mussels	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	1	0	71500	ug/kg	200	ug/kg	N	0.00280
BIST017	LB031F1703	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	19	12	7	113000	ug/kg	120	ug/kg	N	0.00106
BIST017	LB031F1704	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	19	12	7	113000	ug/kg	80.0	ug/kg	N	0.000709

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1753	Mussels	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	1	0	71500	ug/kg	1170	ug/kg	Y	0.0164
BIST017	LB031A1754	Mussels	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	1	0	71500	ug/kg	200	ug/kg	N	0.00280
BIST019	LB061F1901	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	42	21	21	4120	ug/kg	40.0	ug/kg	N	0.00970
BIST019	LB061F1903	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	42	21	21	4120	ug/kg	40.0	ug/kg	N	0.00970
BIST019	LB061F1902	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	42	21	21	4120	ug/kg	400	ug/kg	N	0.0970
BIST021	LB093F2101	Striped mullet	Whole Body	Total PAH (U=1/2; max ND)	3A	71	20	51	2870	ug/kg	50.0	ug/kg	N	0.0174
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB093F2102	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2141	Pinfish	Whole Body	Total PAH (U=1/2; max ND)	3B	71	20	51	2870	ug/kg	50.0	ug/kg	N	0.0174
BIST021	LB093F2103	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB093F2107	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	451	ug/kg	Y	0.0420
BIST021	LB094F2104	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2115	Black Drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB093F2108	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2134	Pinfish	Whole Body	Total PAH (U=1/2; max ND)	3B	71	20	51	2870	ug/kg	50.0	ug/kg	N	0.0174
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total PAH (U=1/2; max ND)	3B	71	20	51	2870	ug/kg	50.0	ug/kg	N	0.0174
BIST021	LB094F2118	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB093F2106	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB093F2105	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB093F2104	Gizzard shad	Whole Body	Total PAH (U=1/2; max ND)	4A	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST021	LB094F2103	Red drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	50.0	ug/kg	N	0.00465
BIST024	LB131F2406	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	50	20	30	2940	ug/kg	400	ug/kg	N	0.136
BIST024	LB131F2402	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	50	20	30	2940	ug/kg	200	ug/kg	N	0.0680
BIST024	LB131F2408	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	50	20	30	2940	ug/kg	400	ug/kg	N	0.136
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total PAH (U=1/2; max ND)	1	51	21	30	4870	ug/kg	800	ug/kg	N	0.164
BIST025	LB131F2502	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	51	21	30	4870	ug/kg	400	ug/kg	N	0.0821
BIST025	LB132F2503	Spot	Whole Body	Total PAH (U=1/2; max ND)	2B	2	2	0	3320	ug/kg	1090	ug/kg	Y	0.329
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	127	52	75	19500	ug/kg	365	ug/kg	Y	0.0187
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	127	52	75	19500	ug/kg	160	ug/kg	N	0.00821
BIST026	LB131F2604	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	50	23	27	4890	ug/kg	200	ug/kg	N	0.0409
BIST026	LB131F2601	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	50	23	27	4890	ug/kg	80.0	ug/kg	N	0.0164
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	33	16	17	3360	ug/kg	400	ug/kg	N	0.119
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	33	16	17	3360	ug/kg	400	ug/kg	N	0.119
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	33	16	17	3360	ug/kg	80.0	ug/kg	N	0.0238
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	32	18	14	55800	ug/kg	80.0	ug/kg	N	0.00143
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	32	18	14	55800	ug/kg	400	ug/kg	N	0.00717
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	32	18	14	55800	ug/kg	200	ug/kg	N	0.00359
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	32	16	16	5690	ug/kg	400	ug/kg	N	0.0703
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	32	16	16	5690	ug/kg	40.0	ug/kg	N	0.00703
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total PAH (U=1/2; max ND)	1	32	16	16	5690	ug/kg	400	ug/kg	N	0.0703
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	71	22	49	2950	ug/kg	40.0	ug/kg	N	0.0136
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	71	22	49	2950	ug/kg	40.0	ug/kg	N	0.0136
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	79	25	54	2920	ug/kg	40.0	ug/kg	N	0.0137
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	79	25	54	2920	ug/kg	40.0	ug/kg	N	0.0137
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	79	25	54	2920	ug/kg	40.0	ug/kg	N	0.0137
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	109	37	72	21900	ug/kg	40.0	ug/kg	N	0.00183

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	117	48	69	20700	ug/kg	40.0	ug/kg	N	0.00193
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total PAH (U=1/2; max ND)	2A	78	25	53	3000	ug/kg	2000	ug/kg	N	0.667
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total PAH (U=1/2; max ND)	I 2B	83	29	54	2980	ug/kg	2000	ug/kg	N	0.670
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total PAH (U=1/2; max ND)	3B	128	55	73	19500	ug/kg	2000	ug/kg	N	0.103
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total PAH (U=1/2; max ND)	4B	267	92	175	10700	ug/kg	1000	ug/kg	N	0.0930
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total PAH (U=1/2; max ND)	3B	128	55	73	19500	ug/kg	2000	ug/kg	N	0.103
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total PAH (U=1/2; max ND)	3B	128	55	73	19500	ug/kg	1000	ug/kg	N	0.0513
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total PAH (U=1/2; max ND)	3B	129	54	75	19300	ug/kg	1000	ug/kg	N	0.0518
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	0	1	180	ug/kg	2000	ug/kg	N	11.1
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total PAH (U=1/2; max ND)	I 1B	2	0	2	955	ug/kg	2000	ug/kg	N	2.09
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	0	1	570	ug/kg	5740	ug/kg	Y	10.1
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	0	1	570	ug/kg	5760	ug/kg	Y	10.1
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	1	0	7120	ug/kg	5720	ug/kg	Y	0.804
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	1	0	7120	ug/kg	5720	ug/kg	Y	0.804
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total PAH (U=1/2; max ND)	I 1A	1	0	1	970	ug/kg	5740	ug/kg	Y	5.91
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total PAH (U=1/2; max ND)	I 1B	1	1	0	8610	ug/kg	5710	ug/kg	Y	0.663
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total PAH (U=1/2; max ND)	I 1B	1	0	1	1100	ug/kg	5740	ug/kg	Y	5.22
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total PAH (U=1/2; max ND)	I 1B	3	1	2	2850	ug/kg	5760	ug/kg	Y	2.02
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total PAH (U=1/2; max ND)	I 1B	3	2	1	2740	ug/kg	5730	ug/kg	Y	2.09
BIST004	UB041F0401	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	1	1	0	25700	ng/kg	46400	ng/kg	Y	1.81
BIST004	UB041F0402	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	1	1	0	25700	ng/kg	43300	ng/kg	Y	1.69
BIST004	UB041F0404	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	1	1	0	25700	ng/kg	36100	ng/kg	Y	1.41
BIST005	UB051F0510	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	1	1	0	13200	ng/kg	58600	ng/kg	Y	4.45
BIST005	UB051F0508	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	1	1	0	13200	ng/kg	76500	ng/kg	Y	5.81
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total PCB Cong-209 (U=0, max RL)	3B	3	3	0	49900	ng/kg	83100	ng/kg	Y	1.67
BIST005	UB051F0518	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	1	1	0	13200	ng/kg	76300	ng/kg	Y	5.79
BIST006	MB014F0601	Red drum	Whole Body	Total PCB Cong-209 (U=0, max RL)	4B	37	37	0	1020000	ng/kg	98900	ng/kg	Y	0.0969
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total PCB Cong-209 (U=0, max RL)	2A	2	2	0	62000	ng/kg	79300	ng/kg	Y	1.28
BIST006	MB014F0630	Sand seatrout	Whole Body	Total PCB Cong-209 (U=0, max RL)	3B	2	2	0	62000	ng/kg	103000	ng/kg	Y	1.66
BIST006	MB012F0607	Spot	Whole Body	Total PCB Cong-209 (U=0, max RL)	2B	1	1	0	111000	ng/kg	97700	ng/kg	Y	0.882
BIST008	MB031V0807	Shrimp	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 2A	3	3	0	132000	ng/kg	22000	ng/kg	Y	0.167
BIST008	MB031V0801	Shrimp	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 2A	3	3	0	132000	ng/kg	18500	ng/kg	Y	0.140
BIST011	LB011F1101	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	9	9	0	2910000	ng/kg	23200	ng/kg	Y	0.00797
BIST011	LB011F1103	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	9	9	0	2910000	ng/kg	21700	ng/kg	Y	0.00745
BIST011	LB011F1105	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	9	9	0	2910000	ng/kg	15.9	ng/kg	Y	0.00000546
BIST015	LB032F1504	Spot	Whole Body	Total PCB Cong-209 (U=0, max RL)	2B	1	1	0	79700	ng/kg	42400	ng/kg	Y	0.532
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total PCB Cong-209 (U=0, max RL)	2A	28	28	0	1290000	ng/kg	79200	ng/kg	Y	0.0616
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total PCB Cong-209 (U=0, max RL)	2A	28	28	0	1290000	ng/kg	63400	ng/kg	Y	0.0493
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total PCB Cong-209 (U=0, max RL)	2A	28	28	0	1290000	ng/kg	65000	ng/kg	Y	0.0506
BIST015	LB033F1503	Striped mullet	Whole Body	Total PCB Cong-209 (U=0, max RL)	3A	28	28	0	1290000	ng/kg	297000	ng/kg	Y	0.231
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total PCB Cong-209 (U=0, max RL)	3B	28	28	0	1290000	ng/kg	50500	ng/kg	Y	0.0393
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total PCB Cong-209 (U=0, max RL)	3B	28	28	0	1290000	ng/kg	43900	ng/kg	Y	0.0342
BIST015	LB033F1501	Striped mullet	Whole Body	Total PCB Cong-209 (U=0, max RL)	3A	28	28	0	1290000	ng/kg	299000	ng/kg	Y	0.233
BIST015	LB034F1501	Red drum	Whole Body	Total PCB Cong-209 (U=0, max RL)	4B	37	37	0	1020000	ng/kg	31200	ng/kg	Y	0.0306
BIST015	LB034F1503	Spotted seatrout	Whole Body	Total PCB Cong-209 (U=0, max RL)	3B	28	28	0	1290000	ng/kg	49100	ng/kg	Y	0.0382
BIST015	LB033F1502	Striped mullet	Whole Body	Total PCB Cong-209 (U=0, max RL)	3A	28	28	0	1290000	ng/kg	68300	ng/kg	Y	0.0532
BIST017	LB031A1752	Mussels	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 1A	1	1	0	155000	ng/kg	35200	ng/kg	Y	0.227
BIST019	LB061F1902	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	14	14	0	613000	ng/kg	38100	ng/kg	Y	0.0621
BIST019	LB061F1903	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	14	14	0	613000	ng/kg	39900	ng/kg	Y	0.0651
BIST019	LB061F1901	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	14	14	0	613000	ng/kg	31300	ng/kg	Y	0.0511

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2102	Gizzard shad	Whole Body	Total PCB Cong-209 (U=0, max RL)	4A	37	37	0	1020000	ng/kg	246000	ng/kg	Y	0.241
BIST021	LB093F2103	Gizzard shad	Whole Body	Total PCB Cong-209 (U=0, max RL)	4A	37	37	0	1020000	ng/kg	244000	ng/kg	Y	0.239
BIST021	LB093F2104	Gizzard shad	Whole Body	Total PCB Cong-209 (U=0, max RL)	4A	37	37	0	1020000	ng/kg	64600	ng/kg	Y	0.0633
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total PCB Cong-209 (U=0, max RL)	4B	37	37	0	1020000	ng/kg	59000	ng/kg	Y	0.0578
BIST021	LB094F2103	Red drum	Whole Body	Total PCB Cong-209 (U=0, max RL)	4B	37	37	0	1020000	ng/kg	6310	ng/kg	Y	0.00618
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total PCB Cong-209 (U=0, max RL)	3B	15	15	0	492000	ng/kg	28000	ng/kg	Y	0.0569
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	13	13	0	2270000	ng/kg	30600	ng/kg	Y	0.0135
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	13	13	0	2270000	ng/kg	27100	ng/kg	Y	0.0120
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	13	13	0	2270000	ng/kg	26000	ng/kg	Y	0.0115
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	11	11	0	2670000	ng/kg	33100	ng/kg	Y	0.0124
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	11	11	0	2670000	ng/kg	33300	ng/kg	Y	0.0125
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total PCB Cong-209 (U=0, max RL)	1	11	11	0	2670000	ng/kg	27400	ng/kg	Y	0.0102
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 2B	16	16	0	463000	ng/kg	87100	ng/kg	Y	0.188
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 2B	16	16	0	463000	ng/kg	105000	ng/kg	Y	0.227
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 2B	19	19	0	561000	ng/kg	82400	ng/kg	Y	0.147
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 1A	1	1	0	114000	ng/kg	69600	ng/kg	Y	0.609
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 1B	1	1	0	642000	ng/kg	53000	ng/kg	Y	0.0826
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 1B	1	1	0	5230000	ng/kg	94100	ng/kg	Y	0.0180
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total PCB Cong-209 (U=0, max RL)	I 1B	4	4	0	278000	ng/kg	128000	ng/kg	Y	0.460
BIST004	UB041F0402	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	1	1	0	25700	ng/kg	43400	ng/kg	Y	1.69
BIST004	UB041F0404	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	1	1	0	25700	ng/kg	36100	ng/kg	Y	1.41
BIST004	UB041F0401	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	1	1	0	25700	ng/kg	46400	ng/kg	Y	1.81
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total PCB Congs (U=1/2; max ND)	3B	3	3	0	49900	ng/kg	83100	ng/kg	Y	1.67
BIST005	UB051F0508	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	1	1	0	13200	ng/kg	76500	ng/kg	Y	5.80
BIST005	UB051F0510	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	1	1	0	13200	ng/kg	58600	ng/kg	Y	4.45
BIST005	UB051F0518	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	1	1	0	13200	ng/kg	76300	ng/kg	Y	5.79
BIST006	MB014F0630	Sand seatrout	Whole Body	Total PCB Congs (U=1/2; max ND)	3B	2	2	0	62000	ng/kg	103000	ng/kg	Y	1.66
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total PCB Congs (U=1/2; max ND)	2A	2	2	0	62000	ng/kg	79300	ng/kg	Y	1.28
BIST006	MB014F0601	Red drum	Whole Body	Total PCB Congs (U=1/2; max ND)	4B	17	17	0	176000	ng/kg	98900	ng/kg	Y	0.563
BIST006	MB012F0607	Spot	Whole Body	Total PCB Congs (U=1/2; max ND)	2B	1	1	0	111000	ng/kg	97800	ng/kg	Y	0.883
BIST008	MB031V0807	Shrimp	Shellfish	Total PCB Congs (U=1/2; max ND)	I 2A	3	3	0	132000	ng/kg	22100	ng/kg	Y	0.167
BIST008	MB031V0801	Shrimp	Shellfish	Total PCB Congs (U=1/2; max ND)	I 2A	3	3	0	132000	ng/kg	18500	ng/kg	Y	0.140
BIST011	LB011F1105	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	3	3	0	545000	ng/kg	16000	ng/kg	Y	0.0293
BIST011	LB011F1103	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	3	3	0	545000	ng/kg	21800	ng/kg	Y	0.0399
BIST011	LB011F1101	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	3	3	0	545000	ng/kg	23200	ng/kg	Y	0.0426
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total PCB Congs (U=1/2; max ND)	2A	10	10	0	219000	ng/kg	79200	ng/kg	Y	0.361
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total PCB Congs (U=1/2; max ND)	2A	10	10	0	219000	ng/kg	65000	ng/kg	Y	0.296
BIST015	LB032F1504	Spot	Whole Body	Total PCB Congs (U=1/2; max ND)	2B	1	1	0	79700	ng/kg	42500	ng/kg	Y	0.532
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total PCB Congs (U=1/2; max ND)	2A	10	10	0	219000	ng/kg	63400	ng/kg	Y	0.289
BIST015	LB034F1501	Red drum	Whole Body	Total PCB Congs (U=1/2; max ND)	4B	17	17	0	176000	ng/kg	31300	ng/kg	Y	0.178
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total PCB Congs (U=1/2; max ND)	3B	10	10	0	219000	ng/kg	43900	ng/kg	Y	0.200
BIST015	LB033F1503	Striped mullet	Whole Body	Total PCB Congs (U=1/2; max ND)	3A	10	10	0	219000	ng/kg	297000	ng/kg	Y	1.36
BIST015	LB033F1501	Striped mullet	Whole Body	Total PCB Congs (U=1/2; max ND)	3A	10	10	0	219000	ng/kg	299000	ng/kg	Y	1.36
BIST015	LB034F1503	Spotted seatrout	Whole Body	Total PCB Congs (U=1/2; max ND)	3B	10	10	0	219000	ng/kg	49100	ng/kg	Y	0.224
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total PCB Congs (U=1/2; max ND)	3B	10	10	0	219000	ng/kg	50500	ng/kg	Y	0.230
BIST015	LB033F1502	Striped mullet	Whole Body	Total PCB Congs (U=1/2; max ND)	3A	10	10	0	219000	ng/kg	68400	ng/kg	Y	0.312
BIST017	LB031A1752	Mussels	Shellfish	Total PCB Congs (U=1/2; max ND)	I 1A	1	1	0	155000	ng/kg	35200	ng/kg	Y	0.227
BIST019	LB061F1901	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	4	4	0	107000	ng/kg	31400	ng/kg	Y	0.294
BIST019	LB061F1902	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	4	4	0	107000	ng/kg	38200	ng/kg	Y	0.358
BIST019	LB061F1903	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	4	4	0	107000	ng/kg	39900	ng/kg	Y	0.374

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB093F2103	Gizzard shad	Whole Body	Total PCB Congs (U=1/2; max ND)	4A	17	17	0	176000	ng/kg	244000	ng/kg	Y	1.39
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total PCB Congs (U=1/2; max ND)	4B	17	17	0	176000	ng/kg	59100	ng/kg	Y	0.336
BIST021	LB093F2102	Gizzard shad	Whole Body	Total PCB Congs (U=1/2; max ND)	4A	17	17	0	176000	ng/kg	246000	ng/kg	Y	1.40
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total PCB Congs (U=1/2; max ND)	3B	3	3	0	121000	ng/kg	28100	ng/kg	Y	0.232
BIST021	LB094F2103	Red drum	Whole Body	Total PCB Congs (U=1/2; max ND)	4B	17	17	0	176000	ng/kg	6350	ng/kg	Y	0.0361
BIST021	LB093F2104	Gizzard shad	Whole Body	Total PCB Congs (U=1/2; max ND)	4A	17	17	0	176000	ng/kg	64600	ng/kg	Y	0.367
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	5	5	0	343000	ng/kg	26000	ng/kg	Y	0.0760
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	5	5	0	343000	ng/kg	27100	ng/kg	Y	0.0792
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	5	5	0	343000	ng/kg	30700	ng/kg	Y	0.0895
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	4	4	0	420000	ng/kg	27400	ng/kg	Y	0.0653
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	4	4	0	420000	ng/kg	33400	ng/kg	Y	0.0795
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total PCB Congs (U=1/2; max ND)	1	4	4	0	420000	ng/kg	33200	ng/kg	Y	0.0790
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total PCB Congs (U=1/2; max ND)	I 2B	4	4	0	100000	ng/kg	87100	ng/kg	Y	0.871
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total PCB Congs (U=1/2; max ND)	I 2B	4	4	0	100000	ng/kg	105000	ng/kg	Y	1.05
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total PCB Congs (U=1/2; max ND)	I 2B	5	5	0	92900	ng/kg	82400	ng/kg	Y	0.887
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total PCB Congs (U=1/2; max ND)	I 1A	1	1	0	114000	ng/kg	69600	ng/kg	Y	0.609
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total PCB Congs (U=1/2; max ND)	I 1B	1	1	0	642000	ng/kg	53000	ng/kg	Y	0.0826
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total PCB Congs (U=1/2; max ND)	I 1B	1	1	0	33400	ng/kg	94100	ng/kg	Y	2.82
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total PCB Congs (U=1/2; max ND)	I 1B	1	1	0	92700	ng/kg	9220	ng/kg	Y	0.0994
BIST004	UB041F0402	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	2640	ug/kg	49.0	ug/kg	Y	0.0185
BIST004	UB041F0401	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	2640	ug/kg	67.0	ug/kg	Y	0.0254
BIST004	UB041F0404	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	2640	ug/kg	52.0	ug/kg	Y	0.0197
BIST005	UB054F0516	Skipjack herring	Whole Body	Total PCBs (U=0, max RL)	3A	34	30	4	1300	ug/kg	294	ug/kg	Y	0.227
BIST005	UB051F0501	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	550	ug/kg	Y	0.197
BIST005	UB054F0515	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	111	ug/kg	Y	0.324
BIST005	UB054F0514	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	5.00	ug/kg	N	0.0146
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	34	30	4	1300	ug/kg	93.0	ug/kg	Y	0.0718
BIST005	UB051F0504	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	510	ug/kg	Y	0.183
BIST005	UB054F0501	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	5.00	ug/kg	N	0.0146
BIST005	UB054F0503	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	274	ug/kg	Y	0.801
BIST005	UB051F0525	Sailfin molly	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	820	ug/kg	Y	0.294
BIST005	UB054F0502	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	113	ug/kg	Y	0.330
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	650	ug/kg	Y	0.233
BIST005	UB051F0505	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	370	ug/kg	Y	0.133
BIST005	UB051F0516	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	160	ug/kg	Y	0.0574
BIST005	UB051F0509	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	290	ug/kg	Y	0.104
BIST005	UB051F0515	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	150	ug/kg	Y	0.0538
BIST005	UB051F0523	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	230	ug/kg	Y	0.0826
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	34	30	4	1300	ug/kg	5.00	ug/kg	N	0.00386
BIST005	UB051F0518	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	150	ug/kg	Y	0.0538
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	34	30	4	1300	ug/kg	62.0	ug/kg	Y	0.0479
BIST005	UB051F0502	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	290	ug/kg	Y	0.104
BIST005	UB051F0508	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	370	ug/kg	Y	0.133
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	34	30	4	1300	ug/kg	182	ug/kg	Y	0.140
BIST005	UB051F0510	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	160	ug/kg	Y	0.0574
BIST005	UB051F0503	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	820	ug/kg	Y	0.294
BIST005	UB051F0520	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	90.0	ug/kg	Y	0.0323
BIST005	UB054F0504	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	109	ug/kg	Y	0.319
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	34	30	4	1300	ug/kg	300	ug/kg	Y	0.232
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	34	30	4	1300	ug/kg	5.00	ug/kg	N	0.00386

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0511	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	77.0	ug/kg	Y	0.0276
BIST005	UB051F0512	Sailfin molly	Whole Body	Total PCBs (U=0, max RL)	1	14	12	2	2790	ug/kg	400	ug/kg	Y	0.144
BIST006	MB014F0601	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	201	ug/kg	Y	0.587
BIST006	MB014F0605	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	88.0	ug/kg	Y	0.257
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	58.0	ug/kg	Y	0.0432
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	5.00	ug/kg	N	0.00372
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	33	29	4	1340	ug/kg	45.0	ug/kg	Y	0.0335
BIST006	MB012F0607	Spot	Whole Body	Total PCBs (U=0, max RL)	2B	3	3	0	183	ug/kg	186	ug/kg	Y	1.01
BIST006	MB014F0630	Sand seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	33	29	4	1340	ug/kg	123	ug/kg	Y	0.0916
BIST006	MB011F0616	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	182	ug/kg	76.0	ug/kg	Y	0.417
BIST006	MB011F0605	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	182	ug/kg	80.0	ug/kg	Y	0.439
BIST006	MB011F0607	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	182	ug/kg	148	ug/kg	Y	0.812
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	44.0	ug/kg	Y	0.0328
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	33	29	4	1340	ug/kg	57.0	ug/kg	Y	0.0424
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	33	29	4	1340	ug/kg	127	ug/kg	Y	0.0945
BIST006	MB012F0619	Spot	Whole Body	Total PCBs (U=0, max RL)	2B	3	3	0	183	ug/kg	117	ug/kg	Y	0.638
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	80.0	ug/kg	Y	0.0596
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	68.0	ug/kg	Y	0.0506
BIST006	MB014F0615	Sand seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	33	29	4	1340	ug/kg	195	ug/kg	Y	0.145
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	5.00	ug/kg	N	0.00372
BIST006	MB012F0611	Spot	Whole Body	Total PCBs (U=0, max RL)	2B	3	3	0	183	ug/kg	244	ug/kg	Y	1.33
BIST006	MB012F0604	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	54.0	ug/kg	Y	0.0402
BIST006	MB014F0628	White mullet	Whole Body	Total PCBs (U=0, max RL)	3A	33	29	4	1340	ug/kg	480	ug/kg	Y	0.357
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	59.0	ug/kg	Y	0.0439
BIST006	MB011F0624	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	182	ug/kg	96.0	ug/kg	Y	0.527
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	33	29	4	1340	ug/kg	72.0	ug/kg	Y	0.0536
BIST006	MB011F0615	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	15	13	2	182	ug/kg	194	ug/kg	Y	1.06
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	33	29	4	1340	ug/kg	43.0	ug/kg	Y	0.0320
BIST006	MB014F0602	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	52.0	ug/kg	Y	0.152
BIST007	MB011F0708	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	12	11	1	107	ug/kg	42.0	ug/kg	Y	0.393
BIST007	MB011F0703	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	12	11	1	107	ug/kg	66.0	ug/kg	Y	0.617
BIST007	MB011F0706	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	12	11	1	107	ug/kg	83.0	ug/kg	Y	0.776
BIST007	MB011F0702	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	12	11	1	107	ug/kg	66.0	ug/kg	Y	0.617
BIST007	MB011F0704	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	12	11	1	107	ug/kg	77.0	ug/kg	Y	0.720
BIST008	MB031V0801	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	34.0	ug/kg	Y	0.150
BIST008	MB031V0808	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	5.00	ug/kg	N	0.0221
BIST008	MB031V0803	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	82.0	ug/kg	Y	0.362
BIST008	MB031V0810	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	20.0	ug/kg	Y	0.0883
BIST008	MB031V0807	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	33.0	ug/kg	Y	0.146
BIST008	MB031V0802	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	50.0	ug/kg	N	0.221
BIST008	MB031V0813	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	29.0	ug/kg	Y	0.128
BIST008	MB031V0817	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	20.0	ug/kg	Y	0.0883
BIST008	MB031V0818	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	50.0	ug/kg	N	0.221
BIST008	MB031F0803	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	15	5	217	ug/kg	49.0	ug/kg	Y	0.226
BIST008	MB031V0819	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	38.0	ug/kg	Y	0.168
BIST008	MB031V0811	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	28.0	ug/kg	Y	0.124
BIST008	MB031F0804	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	15	5	217	ug/kg	72.0	ug/kg	Y	0.332
BIST008	MB031V0816	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	20.0	ug/kg	Y	0.0883
BIST008	MB031F0811	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	15	5	217	ug/kg	21.0	ug/kg	Y	0.0968
BIST008	MB031F0805	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	15	5	217	ug/kg	48.0	ug/kg	Y	0.221

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST008	MB031V0812	Shrimp	Shellfish	Total PCBs (U=0, max RL)	I 2A	47	37	10	227	ug/kg	23.0	ug/kg	Y	0.102
BIST008	MB031F0806	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	15	5	217	ug/kg	50.0	ug/kg	Y	0.230
BIST010	MB031F1013	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	14	6	215	ug/kg	39.0	ug/kg	Y	0.182
BIST010	MB031F1001	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	14	6	215	ug/kg	79.0	ug/kg	Y	0.368
BIST010	MB031F1009	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	14	6	215	ug/kg	40.0	ug/kg	Y	0.186
BIST010	MB031F1006	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	14	6	215	ug/kg	60.0	ug/kg	Y	0.280
BIST010	MB031F1004	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	20	14	6	215	ug/kg	47.0	ug/kg	Y	0.219
BIST011	LB011F1103	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	27	10	17	118	ug/kg	73.0	ug/kg	Y	0.616
BIST011	LB011F1101	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	27	10	17	118	ug/kg	71.0	ug/kg	Y	0.599
BIST011	LB011F1105	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	27	10	17	118	ug/kg	80.0	ug/kg	Y	0.675
BIST012	LB011F1202	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	30	9	21	130	ug/kg	113	ug/kg	Y	0.869
BIST012	LB011F1201	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	30	9	21	130	ug/kg	77.0	ug/kg	Y	0.592
BIST012	LB011F1204	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	30	9	21	130	ug/kg	77.0	ug/kg	Y	0.592
BIST013	LB011F1305	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	30	9	21	124	ug/kg	75.0	ug/kg	Y	0.605
BIST013	LB011F1301	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	30	9	21	124	ug/kg	100.0	ug/kg	Y	0.807
BIST013	LB011F1302	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	30	9	21	124	ug/kg	95.0	ug/kg	Y	0.766
BIST015	LB031F1504	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	24	3	21	283	ug/kg	237	ug/kg	Y	0.837
BIST015	LB031F1506	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	24	3	21	283	ug/kg	119	ug/kg	Y	0.420
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	88	21	67	171	ug/kg	59.0	ug/kg	Y	0.345
BIST015	LB032F1506	Spot	Whole Body	Total PCBs (U=0, max RL)	2B	3	0	3	148	ug/kg	65.0	ug/kg	Y	0.441
BIST015	LB031F1502	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	24	3	21	283	ug/kg	160	ug/kg	Y	0.565
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	88	21	67	171	ug/kg	5.00	ug/kg	N	0.0292
BIST015	LB032F1503	Threadfin shad	Whole Body	Total PCBs (U=0, max RL)	2A	88	21	67	171	ug/kg	5.00	ug/kg	N	0.0292
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	88	21	67	171	ug/kg	65.0	ug/kg	Y	0.380
BIST015	LB032F1504	Spot	Whole Body	Total PCBs (U=0, max RL)	2B	3	0	3	148	ug/kg	151	ug/kg	Y	1.02
BIST015	LB034F1503	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	88	21	67	171	ug/kg	95.0	ug/kg	Y	0.555
BIST015	LB033F1515	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	620	ug/kg	Y	3.62
BIST015	LB033F1516	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	850	ug/kg	Y	4.97
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	88	21	67	171	ug/kg	5.00	ug/kg	N	0.0292
BIST015	LB033F1517	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	980	ug/kg	Y	5.72
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	177	ug/kg	Y	1.03
BIST015	LB034F1501	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	14.0	ug/kg	Y	0.0409
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total PCBs (U=0, max RL)	3B	88	21	67	171	ug/kg	261	ug/kg	Y	1.52
BIST015	LB033F1514	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	1270	ug/kg	Y	3.71
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	88	21	67	171	ug/kg	166	ug/kg	Y	0.970
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	88	21	67	171	ug/kg	5.00	ug/kg	N	0.0292
BIST015	LB033F1510	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	4000	ug/kg	Y	11.7
BIST015	LB033F1504	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	830	ug/kg	Y	4.85
BIST015	LB033F1505	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	720	ug/kg	Y	4.21
BIST015	LB033F1506	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	260	ug/kg	Y	1.52
BIST015	LB033F1501	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	700	ug/kg	Y	4.09
BIST015	LB033F1507	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	1120	ug/kg	Y	6.54
BIST015	LB033F1503	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	1310	ug/kg	Y	7.65
BIST015	LB033F1508	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	3900	ug/kg	Y	22.8
BIST015	LB033F1509	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	1740	ug/kg	Y	10.2
BIST015	LB033F1502	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	88	21	67	171	ug/kg	257	ug/kg	Y	1.50
BIST015	LB033F1512	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	1820	ug/kg	Y	5.32
BIST015	LB033F1511	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	610	ug/kg	Y	1.78
BIST015	LB034F1502	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	202	ug/kg	Y	0.590
BIST016	LB031F1602	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	35	5	30	283	ug/kg	5.00	ug/kg	N	0.0177

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST016	LB031F1610	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	35	5	30	283	ug/kg	5.00	ug/kg	N	0.0177
BIST016	LB031F1601	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	35	5	30	283	ug/kg	84.0	ug/kg	Y	0.297
BIST017	LB031F1704	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	11	1	10	418	ug/kg	5.00	ug/kg	N	0.0120
BIST017	LB031F1703	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	11	1	10	418	ug/kg	95.0	ug/kg	Y	0.227
BIST017	LB031F1702	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	11	1	10	418	ug/kg	5.00	ug/kg	N	0.0120
BIST017	LB031A1752	Mussels	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1753	Mussels	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	0	1	15.0	ug/kg	5.00	ug/kg	N	0.333
BIST017	LB031A1754	Mussels	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	0	1	15.0	ug/kg	54.0	ug/kg	Y	3.60
BIST019	LB061F1901	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	26	7	19	202	ug/kg	5.00	ug/kg	N	0.0248
BIST019	LB061F1903	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	26	7	19	202	ug/kg	5.00	ug/kg	N	0.0248
BIST019	LB061F1902	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	26	7	19	202	ug/kg	101	ug/kg	Y	0.501
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	910	ug/kg	Y	2.66
BIST021	LB093F2103	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	780	ug/kg	Y	2.28
BIST021	LB093F2102	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	4300	ug/kg	Y	12.6
BIST021	LB093F2101	Striped mullet	Whole Body	Total PCBs (U=0, max RL)	3A	42	10	32	147	ug/kg	173	ug/kg	Y	1.18
BIST021	LB093F2107	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	680	ug/kg	Y	1.99
BIST021	LB094F2118	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	12.0	ug/kg	Y	0.0351
BIST021	LB093F2104	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	920	ug/kg	Y	2.69
BIST021	LB093F2105	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	1970	ug/kg	Y	5.76
BIST021	LB093F2106	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	1970	ug/kg	Y	5.76
BIST021	LB093F2108	Gizzard shad	Whole Body	Total PCBs (U=0, max RL)	4A	212	104	108	342	ug/kg	2800	ug/kg	Y	8.18
BIST021	LB094F2141	Pinfish	Whole Body	Total PCBs (U=0, max RL)	3B	42	10	32	147	ug/kg	500	ug/kg	Y	3.40
BIST021	LB094F2134	Pinfish	Whole Body	Total PCBs (U=0, max RL)	3B	42	10	32	147	ug/kg	390	ug/kg	Y	2.65
BIST021	LB094F2101	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	3B	42	10	32	147	ug/kg	93.0	ug/kg	Y	0.633
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	19.0	ug/kg	Y	0.0555
BIST021	LB094F2103	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	41.0	ug/kg	Y	0.120
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	56.0	ug/kg	Y	0.164
BIST021	LB094F2104	Red drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	5.00	ug/kg	N	0.0146
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total PCBs (U=0, max RL)	3B	42	10	32	147	ug/kg	241	ug/kg	Y	1.64
BIST021	LB094F2115	Black Drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	5.00	ug/kg	N	0.0146
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	140	ug/kg	Y	0.409
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	124	ug/kg	Y	0.362
BIST024	LB131F2408	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	32	12	20	166	ug/kg	179	ug/kg	Y	1.08
BIST024	LB131F2402	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	32	12	20	166	ug/kg	125	ug/kg	Y	0.751
BIST024	LB131F2406	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	32	12	20	166	ug/kg	74.0	ug/kg	Y	0.445
BIST025	LB132F2503	Spot	Whole Body	Total PCBs (U=0, max RL)	2B	2	0	2	356	ug/kg	290	ug/kg	Y	0.815
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	86	24	62	172	ug/kg	5.00	ug/kg	N	0.0290
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	86	24	62	172	ug/kg	61.0	ug/kg	Y	0.354
BIST025	LB131F2502	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	33	10	23	181	ug/kg	79.0	ug/kg	Y	0.437
BIST025	LB131F2501	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	33	10	23	181	ug/kg	88.0	ug/kg	Y	0.487
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total PCBs (U=0, max RL)	1	33	10	23	181	ug/kg	310	ug/kg	Y	1.71
BIST026	LB131F2601	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	34	7	27	144	ug/kg	156	ug/kg	Y	1.08
BIST026	LB131F2604	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	34	7	27	144	ug/kg	12.0	ug/kg	Y	0.0831
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	27	8	19	130	ug/kg	167	ug/kg	Y	1.28
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	27	8	19	130	ug/kg	48.0	ug/kg	Y	0.369
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	27	8	19	130	ug/kg	122	ug/kg	Y	0.937
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	22	5	17	117	ug/kg	5.00	ug/kg	N	0.0426
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	22	5	17	117	ug/kg	58.0	ug/kg	Y	0.494
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	22	5	17	117	ug/kg	5.00	ug/kg	N	0.0426
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	25	6	19	128	ug/kg	5.00	ug/kg	N	0.0391

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	25	6	19	128	ug/kg	5.00	ug/kg	N	0.0391
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total PCBs (U=0, max RL)	1	25	6	19	128	ug/kg	221	ug/kg	Y	1.73
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	43	12	31	143	ug/kg	150	ug/kg	Y	1.05
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	43	12	31	143	ug/kg	330	ug/kg	Y	2.31
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	49	16	33	150	ug/kg	190	ug/kg	Y	1.27
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	49	16	33	150	ug/kg	220	ug/kg	Y	1.47
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	49	16	33	150	ug/kg	110	ug/kg	Y	0.734
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	67	17	50	191	ug/kg	13.0	ug/kg	Y	0.0681
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	87	34	53	171	ug/kg	96.0	ug/kg	Y	0.561
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total PCBs (U=0, max RL)	2A	74	45	29	170	ug/kg	50.0	ug/kg	N	0.294
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total PCBs (U=0, max RL)	I 2B	72	36	36	144	ug/kg	50.0	ug/kg	N	0.348
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total PCBs (U=0, max RL)	4B	212	104	108	342	ug/kg	50.0	ug/kg	N	0.146
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total PCBs (U=0, max RL)	3B	87	26	61	171	ug/kg	86.0	ug/kg	Y	0.503
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total PCBs (U=0, max RL)	3B	87	26	61	171	ug/kg	50.0	ug/kg	N	0.292
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total PCBs (U=0, max RL)	3B	87	26	61	171	ug/kg	50.0	ug/kg	N	0.292
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total PCBs (U=0, max RL)	3B	87	24	63	171	ug/kg	50.0	ug/kg	N	0.292
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	1	0	67.0	ug/kg	50.0	ug/kg	N	0.746
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total PCBs (U=0, max RL)	I 1B	2	0	2	278	ug/kg	50.0	ug/kg	N	0.180
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	1	0	13.0	ug/kg	76.0	ug/kg	Y	5.85
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	1	0	13.0	ug/kg	105	ug/kg	Y	8.08
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	1	0	200	ug/kg	30.0	ug/kg	Y	0.150
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	1	0	200	ug/kg	33.0	ug/kg	Y	0.165
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total PCBs (U=0, max RL)	I 1A	1	1	0	33.0	ug/kg	18.0	ug/kg	Y	0.545
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total PCBs (U=0, max RL)	I 1B	1	1	0	47.0	ug/kg	37.0	ug/kg	Y	0.787
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total PCBs (U=0, max RL)	I 1B	1	0	1	105	ug/kg	69.0	ug/kg	Y	0.657
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total PCBs (U=0, max RL)	I 1B	3	1	2	124	ug/kg	54.0	ug/kg	Y	0.435
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total PCBs (U=0, max RL)	I 1B	3	2	1	225	ug/kg	65.0	ug/kg	Y	0.289
BIST004	UB041F0404	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	2850	ug/kg	82.0	ug/kg	Y	0.0288
BIST004	UB041F0401	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	2850	ug/kg	97.0	ug/kg	Y	0.0340
BIST004	UB041F0402	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	2850	ug/kg	79.0	ug/kg	Y	0.0277
BIST005	UB051F0525	Sailfin molly	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	919	ug/kg	Y	0.306
BIST005	UB054B0506	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST005	UB051F0518	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	180	ug/kg	Y	0.0599
BIST005	UB054F0516	Skipjack herring	Whole Body	Total PCBs (U=1/2; max ND)	3A	34	30	4	1530	ug/kg	319	ug/kg	Y	0.209
BIST005	UB051F0515	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	180	ug/kg	Y	0.0599
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	749	ug/kg	Y	0.249
BIST005	UB051F0504	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	609	ug/kg	Y	0.203
BIST005	UB052F0501	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	34	30	4	1530	ug/kg	10.00	ug/kg	N	0.00654
BIST005	UB054F0511	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	34	30	4	1530	ug/kg	10.00	ug/kg	N	0.00654
BIST005	UB054B0504	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST005	UB054B0503	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST005	UB051F0520	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	120	ug/kg	Y	0.0399
BIST005	UB051F0523	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	329	ug/kg	Y	0.110
BIST005	UB051F0505	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	469	ug/kg	Y	0.156
BIST005	UB054B0501	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST005	UB051F0512	Sailfin molly	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	499	ug/kg	Y	0.166
BIST005	UB054B0502	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST005	UB054B0505	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST005	UB051F0501	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	700	ug/kg	Y	0.233
BIST005	UB051F0509	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	389	ug/kg	Y	0.129

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST005	UB051F0502	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	389	ug/kg	Y	0.129
BIST005	UB054F0503	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	299	ug/kg	Y	0.523
BIST005	UB051F0510	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	190	ug/kg	Y	0.0632
BIST005	UB054F0506	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	34	30	4	1530	ug/kg	87.0	ug/kg	Y	0.0569
BIST005	UB054F0515	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	136	ug/kg	Y	0.238
BIST005	UB054F0504	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	134	ug/kg	Y	0.234
BIST005	UB054F0507	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	34	30	4	1530	ug/kg	118	ug/kg	Y	0.0771
BIST005	UB054F0505	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	34	30	4	1530	ug/kg	325	ug/kg	Y	0.212
BIST005	UB054F0502	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	138	ug/kg	Y	0.241
BIST005	UB054F0514	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	10.00	ug/kg	N	0.0175
BIST005	UB054F0508	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	34	30	4	1530	ug/kg	207	ug/kg	Y	0.135
BIST005	UB051F0516	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	190	ug/kg	Y	0.0632
BIST005	UB051F0508	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	469	ug/kg	Y	0.156
BIST005	UB051F0503	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	919	ug/kg	Y	0.306
BIST005	UB051F0511	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	14	12	2	3000	ug/kg	107	ug/kg	Y	0.0356
BIST005	UB054F0501	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	10.00	ug/kg	N	0.0175
BIST006	MB014F0601	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	226	ug/kg	Y	0.395
BIST006	MB011F0615	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	405	ug/kg	219	ug/kg	Y	0.541
BIST006	MB014F0605	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	113	ug/kg	Y	0.198
BIST006	MB011F0607	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	405	ug/kg	173	ug/kg	Y	0.427
BIST006	MB011F0605	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	405	ug/kg	110	ug/kg	Y	0.272
BIST006	MB012F0602	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	88.0	ug/kg	Y	0.0551
BIST006	MB014B0604	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST006	MB014F0608	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	33	29	4	1600	ug/kg	70.0	ug/kg	Y	0.0439
BIST006	MB012F0609	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	10.00	ug/kg	N	0.00626
BIST006	MB012F0611	Spot	Whole Body	Total PCBs (U=1/2; max ND)	2B	3	3	0	378	ug/kg	269	ug/kg	Y	0.712
BIST006	MB014B0603	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST006	MB014B0605	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST006	MB014B0602	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST006	MB014F0615	Sand seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	33	29	4	1600	ug/kg	220	ug/kg	Y	0.138
BIST006	MB012F0610	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	102	ug/kg	Y	0.0639
BIST006	MB014B0606	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST006	MB012F0619	Spot	Whole Body	Total PCBs (U=1/2; max ND)	2B	3	3	0	378	ug/kg	142	ug/kg	Y	0.376
BIST006	MB014B0607	Red drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST006	MB014F0612	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	33	29	4	1600	ug/kg	152	ug/kg	Y	0.0952
BIST006	MB012F0613	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	98.0	ug/kg	Y	0.0614
BIST006	MB014F0628	White mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	33	29	4	1600	ug/kg	505	ug/kg	Y	0.316
BIST006	MB011F0616	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	405	ug/kg	106	ug/kg	Y	0.262
BIST006	MB012F0605	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	89.0	ug/kg	Y	0.0558
BIST006	MB014F0603	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	33	29	4	1600	ug/kg	68.0	ug/kg	Y	0.0426
BIST006	MB012F0607	Spot	Whole Body	Total PCBs (U=1/2; max ND)	2B	3	3	0	378	ug/kg	211	ug/kg	Y	0.558
BIST006	MB012F0604	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	84.0	ug/kg	Y	0.0526
BIST006	MB012F0601	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	10.00	ug/kg	N	0.00626
BIST006	MB011F0624	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	15	13	2	405	ug/kg	126	ug/kg	Y	0.311
BIST006	MB014F0604	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	33	29	4	1600	ug/kg	82.0	ug/kg	Y	0.0514
BIST006	MB014F0630	Sand seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	33	29	4	1600	ug/kg	148	ug/kg	Y	0.0927
BIST006	MB014F0602	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	77.0	ug/kg	Y	0.135
BIST006	MB012F0603	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	110	ug/kg	Y	0.0689
BIST006	MB012F0606	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	33	29	4	1600	ug/kg	74.0	ug/kg	Y	0.0464
BIST007	MB011F0703	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	12	11	1	311	ug/kg	96.0	ug/kg	Y	0.309

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST007	MB011F0706	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	12	11	1	311	ug/kg	113	ug/kg	Y	0.363
BIST007	MB011F0702	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	12	11	1	311	ug/kg	96.0	ug/kg	Y	0.309
BIST007	MB011F0708	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	12	11	1	311	ug/kg	72.0	ug/kg	Y	0.231
BIST007	MB011F0704	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	12	11	1	311	ug/kg	107	ug/kg	Y	0.344
BIST008	MB031F0803	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	15	5	477	ug/kg	79.0	ug/kg	Y	0.166
BIST008	MB031F0811	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	15	5	477	ug/kg	51.0	ug/kg	Y	0.107
BIST008	MB031V0818	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	100.0	ug/kg	N	0.200
BIST008	MB031V0813	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	59.0	ug/kg	Y	0.118
BIST008	MB031V0812	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	53.0	ug/kg	Y	0.106
BIST008	MB031V0810	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	50.0	ug/kg	Y	0.0999
BIST008	MB031V0803	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	382	ug/kg	Y	0.763
BIST008	MB031V0808	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	10.00	ug/kg	N	0.0200
BIST008	MB031V0801	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	64.0	ug/kg	Y	0.128
BIST008	MB031F0805	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	15	5	477	ug/kg	78.0	ug/kg	Y	0.164
BIST008	MB031V0819	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	68.0	ug/kg	Y	0.136
BIST008	MB031V0807	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	63.0	ug/kg	Y	0.126
BIST008	MB031F0806	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	15	5	477	ug/kg	80.0	ug/kg	Y	0.168
BIST008	MB031V0816	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	50.0	ug/kg	Y	0.0999
BIST008	MB031V0817	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	50.0	ug/kg	Y	0.0999
BIST008	MB031V0802	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	100.0	ug/kg	N	0.200
BIST008	MB031V0811	Shrimp	Shellfish	Total PCBs (U=1/2; max ND)	I 2A	47	37	10	501	ug/kg	58.0	ug/kg	Y	0.116
BIST008	MB031F0804	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	15	5	477	ug/kg	102	ug/kg	Y	0.214
BIST010	MB031F1001	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	14	6	464	ug/kg	109	ug/kg	Y	0.235
BIST010	MB031F1013	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	14	6	464	ug/kg	69.0	ug/kg	Y	0.149
BIST010	MB031F1004	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	14	6	464	ug/kg	77.0	ug/kg	Y	0.166
BIST010	MB031F1009	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	14	6	464	ug/kg	70.0	ug/kg	Y	0.151
BIST010	MB031F1006	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	20	14	6	464	ug/kg	90.0	ug/kg	Y	0.194
BIST011	LB011F1105	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	27	10	17	326	ug/kg	105	ug/kg	Y	0.322
BIST011	LB011F1101	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	27	10	17	326	ug/kg	96.0	ug/kg	Y	0.294
BIST011	LB011F1103	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	27	10	17	326	ug/kg	98.0	ug/kg	Y	0.300
BIST012	LB011F1202	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	30	9	21	323	ug/kg	138	ug/kg	Y	0.427
BIST012	LB011F1201	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	30	9	21	323	ug/kg	102	ug/kg	Y	0.315
BIST012	LB011F1204	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	30	9	21	323	ug/kg	102	ug/kg	Y	0.315
BIST013	LB011F1301	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	30	9	21	318	ug/kg	125	ug/kg	Y	0.393
BIST013	LB011F1305	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	30	9	21	318	ug/kg	100.0	ug/kg	Y	0.314
BIST013	LB011F1302	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	30	9	21	318	ug/kg	120	ug/kg	Y	0.377
BIST015	LB032F1505	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	88	21	67	397	ug/kg	89.0	ug/kg	Y	0.224
BIST015	LB032F1506	Spot	Whole Body	Total PCBs (U=1/2; max ND)	2B	3	0	3	295	ug/kg	90.0	ug/kg	Y	0.305
BIST015	LB032F1501	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	88	21	67	397	ug/kg	95.0	ug/kg	Y	0.239
BIST015	LB032F1504	Spot	Whole Body	Total PCBs (U=1/2; max ND)	2B	3	0	3	295	ug/kg	176	ug/kg	Y	0.597
BIST015	LB031F1506	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	24	3	21	602	ug/kg	119	ug/kg	Y	0.198
BIST015	LB031F1504	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	24	3	21	602	ug/kg	237	ug/kg	Y	0.394
BIST015	LB032F1503	Threadfin shad	Whole Body	Total PCBs (U=1/2; max ND)	2A	88	21	67	397	ug/kg	10.00	ug/kg	N	0.0252
BIST015	LB032F1502	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	88	21	67	397	ug/kg	10.00	ug/kg	N	0.0252
BIST015	LB031F1502	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	24	3	21	602	ug/kg	160	ug/kg	Y	0.266
BIST015	LB034F1501	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	44.0	ug/kg	Y	0.0769
BIST015	LB034F1503	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	88	21	67	397	ug/kg	95.0	ug/kg	Y	0.239
BIST015	LB034F1506	Atlantic croaker	Whole Body	Total PCBs (U=1/2; max ND)	3B	88	21	67	397	ug/kg	286	ug/kg	Y	0.721
BIST015	LB034F1502	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	227	ug/kg	Y	0.397
BIST015	LB033F1510	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	4030	ug/kg	Y	7.04

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST015	LB033F1505	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	745	ug/kg	Y	1.88
BIST015	LB034F1504	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	88	21	67	397	ug/kg	191	ug/kg	Y	0.481
BIST015	LB033F1518	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	202	ug/kg	Y	0.509
BIST015	LB032F1507	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	88	21	67	397	ug/kg	10.00	ug/kg	N	0.0252
BIST015	LB034F1505	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	88	21	67	397	ug/kg	10.00	ug/kg	N	0.0252
BIST015	LB033F1517	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	1410	ug/kg	Y	3.54
BIST015	LB033F1501	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	725	ug/kg	Y	1.83
BIST015	LB033F1504	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	935	ug/kg	Y	2.36
BIST015	LB033F1506	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	285	ug/kg	Y	0.718
BIST015	LB033F1507	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	1230	ug/kg	Y	3.09
BIST015	LB033F1516	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	955	ug/kg	Y	2.41
BIST015	LB033F1502	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	282	ug/kg	Y	0.711
BIST015	LB033F1503	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	1420	ug/kg	Y	3.57
BIST015	LB033F1509	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	2170	ug/kg	Y	5.46
BIST015	LB033F1512	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	1850	ug/kg	Y	3.23
BIST015	LB033F1514	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	1700	ug/kg	Y	2.96
BIST015	LB033F1511	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	640	ug/kg	Y	1.12
BIST015	LB033F1508	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	3930	ug/kg	Y	9.89
BIST015	LB033F1515	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	88	21	67	397	ug/kg	645	ug/kg	Y	1.63
BIST016	LB031F1602	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	35	5	30	584	ug/kg	10.00	ug/kg	N	0.0171
BIST016	LB031F1601	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	35	5	30	584	ug/kg	109	ug/kg	Y	0.187
BIST016	LB031F1610	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	35	5	30	584	ug/kg	10.00	ug/kg	N	0.0171
BIST017	LB031A1753	Mussels	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST017	LB031F1704	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	11	1	10	871	ug/kg	10.00	ug/kg	N	0.0115
BIST017	LB031A1754	Mussels	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	84.0	ug/kg	Y	2.80
BIST017	LB031A1752	Mussels	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	0	1	30.0	ug/kg	10.00	ug/kg	N	0.333
BIST017	LB031F1703	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	11	1	10	871	ug/kg	120	ug/kg	Y	0.138
BIST017	LB031F1702	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	11	1	10	871	ug/kg	10.00	ug/kg	N	0.0115
BIST019	LB061F1901	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	26	7	19	434	ug/kg	10.00	ug/kg	N	0.0230
BIST019	LB061F1902	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	26	7	19	434	ug/kg	126	ug/kg	Y	0.290
BIST019	LB061F1903	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	26	7	19	434	ug/kg	10.00	ug/kg	N	0.0230
BIST021	LB094F2122	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	81.0	ug/kg	Y	0.142
BIST021	LB094F2134	Pinfish	Whole Body	Total PCBs (U=1/2; max ND)	3B	42	10	32	331	ug/kg	415	ug/kg	Y	1.25
BIST021	LB094F2121	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	149	ug/kg	Y	0.261
BIST021	LB094F2141	Pinfish	Whole Body	Total PCBs (U=1/2; max ND)	3B	42	10	32	331	ug/kg	500	ug/kg	Y	1.51
BIST021	LB094F2120	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	165	ug/kg	Y	0.289
BIST021	LB094F2151	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	935	ug/kg	Y	1.63
BIST021	LB094F2124	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	49.0	ug/kg	Y	0.0857
BIST021	LB094B2110	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST021	LB094B2101	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST021	LB093F2107	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	705	ug/kg	Y	1.23
BIST021	LB094B2103	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST021	LB094B2104	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST021	LB094B2105	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST021	LB094B2106	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	139	ug/kg	Y	0.233
BIST021	LB094B2107	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	24.0	ug/kg	N	0.0402
BIST021	LB093F2106	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	2000	ug/kg	Y	3.49
BIST021	LB093F2108	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	2830	ug/kg	Y	4.94
BIST021	LB094B2108	Spotted seatrout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	194	ug/kg	Y	0.326
BIST021	LB093F2105	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	2000	ug/kg	Y	3.49

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST021	LB094F2101	Spotted seatrout	Whole Body	Total PCBs (U=1/2; max ND)	3B	42	10	32	331	ug/kg	118	ug/kg	Y	0.356
BIST021	LB094F2107	Atlantic croaker	Whole Body	Total PCBs (U=1/2; max ND)	3B	42	10	32	331	ug/kg	266	ug/kg	Y	0.803
BIST021	LB094F2118	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	42.0	ug/kg	Y	0.0734
BIST021	LB093F2101	Striped mullet	Whole Body	Total PCBs (U=1/2; max ND)	3A	42	10	32	331	ug/kg	198	ug/kg	Y	0.598
BIST021	LB094F2115	Black Drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	10.00	ug/kg	N	0.0175
BIST021	LB093F2102	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	4330	ug/kg	Y	7.56
BIST021	LB093F2103	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	805	ug/kg	Y	1.41
BIST021	LB094F2104	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	10.00	ug/kg	N	0.0175
BIST021	LB093F2104	Gizzard shad	Whole Body	Total PCBs (U=1/2; max ND)	4A	212	104	108	572	ug/kg	945	ug/kg	Y	1.65
BIST021	LB094F2103	Red drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	66.0	ug/kg	Y	0.115
BIST024	LB131F2402	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	32	12	20	397	ug/kg	150	ug/kg	Y	0.378
BIST024	LB131F2408	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	32	12	20	397	ug/kg	204	ug/kg	Y	0.514
BIST024	LB131F2406	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	32	12	20	397	ug/kg	99.0	ug/kg	Y	0.249
BIST025	LB131F2502	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	33	10	23	415	ug/kg	104	ug/kg	Y	0.251
BIST025	LB132F2501	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	86	24	62	404	ug/kg	91.0	ug/kg	Y	0.225
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Total PCBs (U=1/2; max ND)	1	33	10	23	415	ug/kg	335	ug/kg	Y	0.807
BIST025	LB132F2503	Spot	Whole Body	Total PCBs (U=1/2; max ND)	2B	2	0	2	712	ug/kg	315	ug/kg	Y	0.442
BIST025	LB132F2502	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	86	24	62	404	ug/kg	10.00	ug/kg	N	0.0248
BIST025	LB131F2501	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	33	10	23	415	ug/kg	113	ug/kg	Y	0.272
BIST026	LB131F2604	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	34	7	27	317	ug/kg	12.0	ug/kg	Y	0.0379
BIST026	LB131F2601	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	34	7	27	317	ug/kg	156	ug/kg	Y	0.493
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	27	8	19	322	ug/kg	192	ug/kg	Y	0.596
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	27	8	19	322	ug/kg	122	ug/kg	Y	0.378
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	27	8	19	322	ug/kg	73.0	ug/kg	Y	0.226
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	22	5	17	297	ug/kg	10.00	ug/kg	N	0.0337
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	22	5	17	297	ug/kg	10.00	ug/kg	N	0.0337
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	22	5	17	297	ug/kg	83.0	ug/kg	Y	0.280
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	25	6	19	327	ug/kg	10.00	ug/kg	N	0.0306
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	25	6	19	327	ug/kg	246	ug/kg	Y	0.753
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Total PCBs (U=1/2; max ND)	1	25	6	19	327	ug/kg	10.00	ug/kg	N	0.0306
BISTC01	BAYD4C0103	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	43	12	31	333	ug/kg	360	ug/kg	Y	1.08
BISTC01	BAYD4C0101	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	43	12	31	333	ug/kg	180	ug/kg	Y	0.541
BISTC02	BAYD4C0203	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	49	16	33	361	ug/kg	250	ug/kg	Y	0.693
BISTC02	BAYD4C0205	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	49	16	33	361	ug/kg	220	ug/kg	Y	0.610
BISTC02	BAYD4C0201	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	49	16	33	361	ug/kg	140	ug/kg	Y	0.388
BISTC03	BAYD4C0302	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	67	17	50	432	ug/kg	43.0	ug/kg	Y	0.0995
BISTC05	BAYD4C0502	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	87	34	53	433	ug/kg	126	ug/kg	Y	0.291
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Total PCBs (U=1/2; max ND)	2A	74	45	29	439	ug/kg	100.0	ug/kg	N	0.228
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Total PCBs (U=1/2; max ND)	I 2B	72	36	36	397	ug/kg	100.0	ug/kg	N	0.252
ECOBI002	00ECO-002-BD1-BI01	Black Drum	Fish Fille	Total PCBs (U=1/2; max ND)	3B	72	36	36	397	ug/kg	240	ug/kg	N	0.580
ECOBI002	00ECO-002-BD2-BI01	Black Drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	240	ug/kg	N	0.402
ECOBI007	00ECO-007-BD1-BI01	Black Drum	Fish Fille	Total PCBs (U=1/2; max ND)	3B	73	36	37	392	ug/kg	240	ug/kg	N	0.586
ECOBI007	00ECO-007-ST1-BI01	Sea Trout	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	240	ug/kg	N	0.402
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Total PCBs (U=1/2; max ND)	3B	87	26	61	408	ug/kg	100.0	ug/kg	N	0.245
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Total PCBs (U=1/2; max ND)	3B	87	26	61	408	ug/kg	386	ug/kg	Y	0.946
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	100.0	ug/kg	N	0.175
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Total PCBs (U=1/2; max ND)	3B	87	26	61	408	ug/kg	100.0	ug/kg	N	0.245
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Total PCBs (U=1/2; max ND)	3B	87	24	63	401	ug/kg	100.0	ug/kg	N	0.249
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	1	0	197	ug/kg	100.0	ug/kg	N	0.509
ECOBI014	00ECO-014-FL1-BI01	Flounder	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	240	ug/kg	N	0.402

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
ECOBI014	00ECO-014-BD1-BI01	Black Drum	Fish Fille	Total PCBs (U=1/2; max ND)	4B	212	104	108	572	ug/kg	240	ug/kg	N	0.402
ECOBI014	00ECO-014-BD2-BI01	Black Drum	Fish Fille	Total PCBs (U=1/2; max ND)	3B	76	18	58	401	ug/kg	240	ug/kg	N	0.573
ECOBI014	00ECO-014-FL2-BI01	Flounder	Fish Fille	Total PCBs (U=1/2; max ND)	3B	76	18	58	401	ug/kg	240	ug/kg	N	0.573
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Total PCBs (U=1/2; max ND)	I 1B	2	0	2	555	ug/kg	100.0	ug/kg	N	0.180
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	1	0	164	ug/kg	201	ug/kg	Y	1.23
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	1	0	164	ug/kg	230	ug/kg	Y	1.40
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	1	0	523	ug/kg	155	ug/kg	Y	0.297
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	1	0	523	ug/kg	158	ug/kg	Y	0.302
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Total PCBs (U=1/2; max ND)	I 1A	1	1	0	341	ug/kg	168	ug/kg	Y	0.493
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Total PCBs (U=1/2; max ND)	I 1B	1	1	0	427	ug/kg	162	ug/kg	Y	0.379
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Total PCBs (U=1/2; max ND)	I 1B	1	0	1	210	ug/kg	194	ug/kg	Y	0.924
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Total PCBs (U=1/2; max ND)	I 1B	3	1	2	249	ug/kg	179	ug/kg	Y	0.719
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Total PCBs (U=1/2; max ND)	I 1B	3	2	1	371	ug/kg	190	ug/kg	Y	0.512
BIST004	UB041F0401	Gulf killifish	Whole Body	Zinc	1	14	14	0	148	mg/kg	31.2	mg/kg	Y	0.211
BIST004	UB041F0404	Gulf killifish	Whole Body	Zinc	1	14	14	0	148	mg/kg	24.8	mg/kg	Y	0.168
BIST004	UB041F0402	Gulf killifish	Whole Body	Zinc	1	14	14	0	148	mg/kg	28.1	mg/kg	Y	0.190
BIST005	UB051F0510	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	33.4	mg/kg	Y	0.248
BIST005	UB051F0505	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	29.4	mg/kg	Y	0.218
BIST005	UB051F0515	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	24.5	mg/kg	Y	0.182
BIST005	UB051F0511	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	37.9	mg/kg	Y	0.281
BIST005	UB051F0509	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	26.6	mg/kg	Y	0.197
BIST005	UB051F0508	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	33.1	mg/kg	Y	0.245
BIST005	UB051F0512	Sailfin molly	Whole Body	Zinc	1	13	9	4	135	mg/kg	28.4	mg/kg	Y	0.211
BIST005	UB051F0503	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	31.8	mg/kg	Y	0.236
BIST005	UB051F0501	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	33.2	mg/kg	Y	0.246
BIST005	UB051F0520	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	24.4	mg/kg	Y	0.181
BIST005	UB051F0523	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	24.9	mg/kg	Y	0.185
BIST005	UB054F0507	Spotted seatrout	Whole Body	Zinc	3B	33	22	11	125	mg/kg	14.7	mg/kg	Y	0.118
BIST005	UB051F0525	Sailfin molly	Whole Body	Zinc	1	13	9	4	135	mg/kg	19.0	mg/kg	Y	0.141
BIST005	UB054F0502	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	8.20	mg/kg	Y	0.0545
BIST005	UB051F0518	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	30.6	mg/kg	Y	0.227
BIST005	UB054F0515	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	12.0	mg/kg	Y	0.0798
BIST005	UB052F0501	Gulf menhaden	Whole Body	Zinc	2A	33	22	11	125	mg/kg	21.1	mg/kg	Y	0.169
BIST005	UB054F0501	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	3.30	mg/kg	Y	0.0219
BIST005	UB054F0505	Spotted seatrout	Whole Body	Zinc	3B	33	22	11	125	mg/kg	8.90	mg/kg	Y	0.0712
BIST005	UB054F0516	Skipjack herring	Whole Body	Zinc	3A	33	22	11	125	mg/kg	17.2	mg/kg	Y	0.138
BIST005	UB051F0502	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	34.0	mg/kg	Y	0.252
BIST005	UB054F0503	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	11.0	mg/kg	Y	0.0731
BIST005	UB054F0504	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	9.70	mg/kg	Y	0.0645
BIST005	UB054F0506	Spotted seatrout	Whole Body	Zinc	3B	33	22	11	125	mg/kg	14.0	mg/kg	Y	0.112
BIST005	UB054F0514	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	3.40	mg/kg	Y	0.0226
BIST005	UB051F0517	Sheepshead minnow	Whole Body	Zinc	1	13	9	4	135	mg/kg	23.4	mg/kg	Y	0.174
BIST005	UB051F0504	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	35.1	mg/kg	Y	0.260
BIST005	UB051F0516	Gulf killifish	Whole Body	Zinc	1	13	9	4	135	mg/kg	23.3	mg/kg	Y	0.173
BIST005	UB054F0511	Spotted seatrout	Whole Body	Zinc	3B	33	22	11	125	mg/kg	13.1	mg/kg	Y	0.105
BIST005	UB054F0508	Spotted seatrout	Whole Body	Zinc	3B	33	22	11	125	mg/kg	14.3	mg/kg	Y	0.114
BIST006	MB012F0619	Spot	Whole Body	Zinc	2B	3	1	2	78.5	mg/kg	17.2	mg/kg	Y	0.219
BIST006	MB012F0605	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	22.3	mg/kg	Y	0.155
BIST006	MB014F0608	Spotted seatrout	Whole Body	Zinc	3B	32	20	12	144	mg/kg	14.5	mg/kg	Y	0.101
BIST006	MB012F0602	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	24.6	mg/kg	Y	0.171

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST006	MB012F0601	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	22.4	mg/kg	Y	0.156
BIST006	MB012F0609	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	25.9	mg/kg	Y	0.180
BIST006	MB014F0603	Spotted seatrout	Whole Body	Zinc	3B	32	20	12	144	mg/kg	13.2	mg/kg	Y	0.0919
BIST006	MB014F0602	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	8.40	mg/kg	Y	0.0558
BIST006	MB014F0630	Sand seatrout	Whole Body	Zinc	3B	32	20	12	144	mg/kg	19.5	mg/kg	Y	0.136
BIST006	MB011F0624	Gulf killifish	Whole Body	Zinc	1	15	6	9	96.5	mg/kg	35.0	mg/kg	Y	0.363
BIST006	MB011F0605	Gulf killifish	Whole Body	Zinc	1	15	6	9	96.5	mg/kg	36.3	mg/kg	Y	0.376
BIST006	MB011F0607	Gulf killifish	Whole Body	Zinc	1	15	6	9	96.5	mg/kg	26.2	mg/kg	Y	0.272
BIST006	MB011F0616	Gulf killifish	Whole Body	Zinc	1	15	6	9	96.5	mg/kg	37.2	mg/kg	Y	0.386
BIST006	MB012F0613	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	21.3	mg/kg	Y	0.148
BIST006	MB014F0601	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	6.90	mg/kg	Y	0.0459
BIST006	MB012F0603	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	26.5	mg/kg	Y	0.184
BIST006	MB014F0628	White mullet	Whole Body	Zinc	3A	32	20	12	144	mg/kg	16.4	mg/kg	Y	0.114
BIST006	MB012F0604	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	18.9	mg/kg	Y	0.132
BIST006	MB011F0615	Gulf killifish	Whole Body	Zinc	1	15	6	9	96.5	mg/kg	28.1	mg/kg	Y	0.291
BIST006	MB014F0612	Spotted seatrout	Whole Body	Zinc	3B	32	20	12	144	mg/kg	12.4	mg/kg	Y	0.0863
BIST006	MB012F0611	Spot	Whole Body	Zinc	2B	3	1	2	78.5	mg/kg	16.9	mg/kg	Y	0.215
BIST006	MB012F0606	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	25.4	mg/kg	Y	0.177
BIST006	MB014F0604	Spotted seatrout	Whole Body	Zinc	3B	32	20	12	144	mg/kg	15.4	mg/kg	Y	0.107
BIST006	MB014F0605	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	7.70	mg/kg	Y	0.0512
BIST006	MB014F0615	Sand seatrout	Whole Body	Zinc	3B	32	20	12	144	mg/kg	17.2	mg/kg	Y	0.120
BIST006	MB012F0607	Spot	Whole Body	Zinc	2B	3	1	2	78.5	mg/kg	21.4	mg/kg	Y	0.273
BIST006	MB012F0610	Gulf menhaden	Whole Body	Zinc	2A	32	20	12	144	mg/kg	24.8	mg/kg	Y	0.173
BIST007	MB011F0708	Gulf killifish	Whole Body	Zinc	1	12	6	6	96.9	mg/kg	40.5	mg/kg	Y	0.418
BIST007	MB011F0706	Gulf killifish	Whole Body	Zinc	1	12	6	6	96.9	mg/kg	37.8	mg/kg	Y	0.390
BIST007	MB011F0703	Gulf killifish	Whole Body	Zinc	1	12	6	6	96.9	mg/kg	35.4	mg/kg	Y	0.365
BIST007	MB011F0704	Gulf killifish	Whole Body	Zinc	1	12	6	6	96.9	mg/kg	37.7	mg/kg	Y	0.389
BIST007	MB011F0702	Gulf killifish	Whole Body	Zinc	1	12	6	6	96.9	mg/kg	31.7	mg/kg	Y	0.327
BIST008	MB031V0811	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	11.5	mg/kg	Y	0.0519
BIST008	MB031V0812	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	11.9	mg/kg	Y	0.0537
BIST008	MB031V0813	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	12.3	mg/kg	Y	0.0555
BIST008	MB031V0818	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	10.6	mg/kg	Y	0.0478
BIST008	MB031V0819	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	11.3	mg/kg	Y	0.0510
BIST008	MB031V0816	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	10.9	mg/kg	Y	0.0492
BIST008	MB031V0817	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	14.7	mg/kg	Y	0.0663
BIST008	MB031V0802	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	13.9	mg/kg	Y	0.0627
BIST008	MB031F0803	Gulf killifish	Whole Body	Zinc	1	20	14	6	260	mg/kg	31.5	mg/kg	Y	0.121
BIST008	MB031F0804	Gulf killifish	Whole Body	Zinc	1	20	14	6	260	mg/kg	36.1	mg/kg	Y	0.139
BIST008	MB031F0805	Gulf killifish	Whole Body	Zinc	1	20	14	6	260	mg/kg	28.8	mg/kg	Y	0.111
BIST008	MB031F0806	Gulf killifish	Whole Body	Zinc	1	20	14	6	260	mg/kg	39.8	mg/kg	Y	0.153
BIST008	MB031F0811	Gulf killifish	Whole Body	Zinc	1	20	14	6	260	mg/kg	37.8	mg/kg	Y	0.145
BIST008	MB031V0801	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	14.8	mg/kg	Y	0.0667
BIST008	MB031V0810	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	11.1	mg/kg	Y	0.0501
BIST008	MB031V0803	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	10.00	mg/kg	Y	0.0451
BIST008	MB031V0807	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	12.0	mg/kg	Y	0.0541
BIST008	MB031V0808	Shrimp	Shellfish	Zinc	I 2A	47	35	12	222	mg/kg	10.7	mg/kg	Y	0.0483
BIST010	MB031F1001	Gulf killifish	Whole Body	Zinc	1	20	15	5	276	mg/kg	40.9	mg/kg	Y	0.148
BIST010	MB031F1009	Gulf killifish	Whole Body	Zinc	1	20	15	5	276	mg/kg	33.1	mg/kg	Y	0.120
BIST010	MB031F1004	Gulf killifish	Whole Body	Zinc	1	20	15	5	276	mg/kg	188	mg/kg	Y	0.680
BIST010	MB031F1013	Gulf killifish	Whole Body	Zinc	1	20	15	5	276	mg/kg	33.5	mg/kg	Y	0.121

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST010	MB031F1006	Gulf killifish	Whole Body	Zinc	1	20	15	5	276	mg/kg	44.1	mg/kg	Y	0.160
BIST011	LB011F1105	Gulf killifish	Whole Body	Zinc	1	30	27	3	164	mg/kg	42.1	mg/kg	Y	0.257
BIST011	LB011F1103	Gulf killifish	Whole Body	Zinc	1	30	27	3	164	mg/kg	40.6	mg/kg	Y	0.248
BIST011	LB011F1101	Gulf killifish	Whole Body	Zinc	1	30	27	3	164	mg/kg	42.3	mg/kg	Y	0.258
BIST012	LB011F1202	Gulf killifish	Whole Body	Zinc	1	35	32	3	146	mg/kg	38.1	mg/kg	Y	0.260
BIST012	LB011F1201	Gulf killifish	Whole Body	Zinc	1	35	32	3	146	mg/kg	36.3	mg/kg	Y	0.248
BIST012	LB011F1204	Gulf killifish	Whole Body	Zinc	1	35	32	3	146	mg/kg	42.1	mg/kg	Y	0.287
BIST013	LB011F1301	Gulf killifish	Whole Body	Zinc	1	37	35	2	146	mg/kg	38.7	mg/kg	Y	0.265
BIST013	LB011F1305	Gulf killifish	Whole Body	Zinc	1	37	35	2	146	mg/kg	36.0	mg/kg	Y	0.247
BIST013	LB011F1302	Gulf killifish	Whole Body	Zinc	1	37	35	2	146	mg/kg	40.8	mg/kg	Y	0.280
BIST015	LB031F1504	Gulf killifish	Whole Body	Zinc	1	40	39	1	174	mg/kg	31.6	mg/kg	Y	0.181
BIST015	LB032F1504	Spot	Whole Body	Zinc	2B	4	3	1	197	mg/kg	17.3	mg/kg	Y	0.0880
BIST015	LB031F1502	Gulf killifish	Whole Body	Zinc	1	40	39	1	174	mg/kg	36.1	mg/kg	Y	0.207
BIST015	LB032F1502	Gulf menhaden	Whole Body	Zinc	2A	132	127	5	132	mg/kg	20.7	mg/kg	Y	0.157
BIST015	LB032F1503	Threadfin shad	Whole Body	Zinc	2A	132	127	5	132	mg/kg	23.3	mg/kg	Y	0.177
BIST015	LB032F1505	Gulf menhaden	Whole Body	Zinc	2A	132	127	5	132	mg/kg	26.2	mg/kg	Y	0.199
BIST015	LB031F1506	Gulf killifish	Whole Body	Zinc	1	40	39	1	174	mg/kg	37.5	mg/kg	Y	0.215
BIST015	LB032F1506	Spot	Whole Body	Zinc	2B	4	3	1	197	mg/kg	24.1	mg/kg	Y	0.123
BIST015	LB032F1501	Gulf menhaden	Whole Body	Zinc	2A	132	127	5	132	mg/kg	20.2	mg/kg	Y	0.153
BIST015	LB034F1506	Atlantic croaker	Whole Body	Zinc	3B	132	127	5	132	mg/kg	12.3	mg/kg	Y	0.0934
BIST015	LB033F1501	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	21.7	mg/kg	Y	0.165
BIST015	LB033F1509	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	9.10	mg/kg	Y	0.0691
BIST015	LB033F1508	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	22.0	mg/kg	Y	0.167
BIST015	LB034F1505	Spotted seatrout	Whole Body	Zinc	3B	132	127	5	132	mg/kg	13.1	mg/kg	Y	0.0995
BIST015	LB033F1510	Striped mullet	Whole Body	Zinc	4A	262	236	26	150	mg/kg	22.4	mg/kg	Y	0.149
BIST015	LB034F1504	Spotted seatrout	Whole Body	Zinc	3B	132	127	5	132	mg/kg	12.4	mg/kg	Y	0.0942
BIST015	LB033F1507	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	17.5	mg/kg	Y	0.133
BIST015	LB034F1503	Spotted seatrout	Whole Body	Zinc	3B	132	127	5	132	mg/kg	13.3	mg/kg	Y	0.101
BIST015	LB033F1511	Striped mullet	Whole Body	Zinc	4A	262	236	26	150	mg/kg	22.3	mg/kg	Y	0.148
BIST015	LB032F1508	Threadfin shad	Whole Body	Zinc	2A	132	127	5	132	mg/kg		mg/kg	N	
BIST015	LB033F1514	Striped mullet	Whole Body	Zinc	4A	262	236	26	150	mg/kg	22.9	mg/kg	Y	0.152
BIST015	LB033F1512	Striped mullet	Whole Body	Zinc	4A	262	236	26	150	mg/kg	21.8	mg/kg	Y	0.145
BIST015	LB032F1507	Gulf menhaden	Whole Body	Zinc	2A	132	127	5	132	mg/kg	26.2	mg/kg	Y	0.199
BIST015	LB033F1504	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	22.2	mg/kg	Y	0.169
BIST015	LB033F1505	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	21.1	mg/kg	Y	0.160
BIST015	LB033F1516	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	18.0	mg/kg	Y	0.137
BIST015	LB034F1502	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	7.70	mg/kg	Y	0.0512
BIST015	LB033F1506	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	13.7	mg/kg	Y	0.104
BIST015	LB033F1515	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	20.6	mg/kg	Y	0.157
BIST015	LB033F1502	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	19.9	mg/kg	Y	0.151
BIST015	LB033F1513	Striped mullet	Whole Body	Zinc	4A	262	236	26	150	mg/kg	23.5	mg/kg	Y	0.156
BIST015	LB033F1518	Gulf menhaden	Whole Body	Zinc	3A	132	127	5	132	mg/kg	21.4	mg/kg	Y	0.163
BIST015	LB033F1503	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	18.1	mg/kg	Y	0.138
BIST015	LB034F1501	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	7.10	mg/kg	Y	0.0472
BIST015	LB033F1517	Striped mullet	Whole Body	Zinc	3A	132	127	5	132	mg/kg	16.6	mg/kg	Y	0.126
BIST016	LB031F1601	Gulf killifish	Whole Body	Zinc	1	51	49	2	161	mg/kg	33.6	mg/kg	Y	0.208
BIST016	LB031F1610	Gulf killifish	Whole Body	Zinc	1	51	49	2	161	mg/kg	37.7	mg/kg	Y	0.234
BIST016	LB031F1602	Gulf killifish	Whole Body	Zinc	1	51	49	2	161	mg/kg	36.0	mg/kg	Y	0.223
BIST017	LB031F1702	Gulf killifish	Whole Body	Zinc	1	18	17	1	227	mg/kg	33.8	mg/kg	Y	0.149
BIST017	LB031A1752	Mussels	Shellfish	Zinc	I 1A	1	1	0	329	mg/kg	6.30	mg/kg	Y	0.0191

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BIST017	LB031A1753	Mussels	Shellfish	Zinc	I 1A	1	1	0	329	mg/kg	5.00	mg/kg	Y	0.0152
BIST017	LB031A1754	Mussels	Shellfish	Zinc	I 1A	1	1	0	329	mg/kg	4.40	mg/kg	Y	0.0134
BIST017	LB031F1704	Gulf killifish	Whole Body	Zinc	1	18	17	1	227	mg/kg	35.2	mg/kg	Y	0.155
BIST017	LB031F1703	Gulf killifish	Whole Body	Zinc	1	18	17	1	227	mg/kg	38.3	mg/kg	Y	0.169
BIST019	LB061F1901	Gulf killifish	Whole Body	Zinc	1	39	38	1	127	mg/kg	30.5	mg/kg	Y	0.241
BIST019	LB061F1903	Gulf killifish	Whole Body	Zinc	1	39	38	1	127	mg/kg	29.4	mg/kg	Y	0.232
BIST019	LB061F1902	Gulf killifish	Whole Body	Zinc	1	39	38	1	127	mg/kg	34.6	mg/kg	Y	0.273
BIST021	LB094F2141	Pinfish	Whole Body	Zinc	3B	69	67	2	91.2	mg/kg	15.1	mg/kg	Y	0.166
BIST021	LB094F2151	Spotted seatrout	Whole Body	Zinc	4B	262	236	26	150	mg/kg	10.00	mg/kg	Y	0.0665
BIST021	LB093F2105	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	20.2	mg/kg	Y	0.134
BIST021	LB093F2108	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	14.2	mg/kg	Y	0.0944
BIST021	LB093F2102	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	7.30	mg/kg	Y	0.0485
BIST021	LB093F2107	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	9.40	mg/kg	Y	0.0625
BIST021	LB093F2103	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	11.7	mg/kg	Y	0.0778
BIST021	LB093F2106	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	12.0	mg/kg	Y	0.0798
BIST021	LB093F2101	Striped mullet	Whole Body	Zinc	3A	69	67	2	91.2	mg/kg	13.2	mg/kg	Y	0.145
BIST021	LB094F2104	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	6.50	mg/kg	Y	0.0432
BIST021	LB094F2118	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	9.60	mg/kg	Y	0.0638
BIST021	LB094F2115	Black Drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	16.5	mg/kg	Y	0.110
BIST021	LB094F2134	Pinfish	Whole Body	Zinc	3B	69	67	2	91.2	mg/kg	18.6	mg/kg	Y	0.204
BIST021	LB094F2107	Atlantic croaker	Whole Body	Zinc	3B	69	67	2	91.2	mg/kg	10.3	mg/kg	Y	0.113
BIST021	LB094F2124	Spotted seatrout	Whole Body	Zinc	4B	262	236	26	150	mg/kg	5.10	mg/kg	Y	0.0339
BIST021	LB094F2120	Spotted seatrout	Whole Body	Zinc	4B	262	236	26	150	mg/kg	6.30	mg/kg	Y	0.0419
BIST021	LB094F2121	Spotted seatrout	Whole Body	Zinc	4B	262	236	26	150	mg/kg	5.80	mg/kg	Y	0.0385
BIST021	LB094F2103	Red drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	3.10	mg/kg	Y	0.0206
BIST021	LB094F2122	Spotted seatrout	Whole Body	Zinc	4B	262	236	26	150	mg/kg	6.90	mg/kg	Y	0.0459
BIST021	LB094F2101	Spotted seatrout	Whole Body	Zinc	3B	69	67	2	91.2	mg/kg	15.3	mg/kg	Y	0.168
BIST021	LB093F2104	Gizzard shad	Whole Body	Zinc	4A	262	236	26	150	mg/kg	8.10	mg/kg	Y	0.0538
BIST024	LB131F2402	Gulf killifish	Whole Body	Zinc	1	49	48	1	126	mg/kg	29.8	mg/kg	Y	0.236
BIST024	LB131F2408	Gulf killifish	Whole Body	Zinc	1	49	48	1	126	mg/kg	37.4	mg/kg	Y	0.297
BIST024	LB131F2406	Gulf killifish	Whole Body	Zinc	1	49	48	1	126	mg/kg	34.7	mg/kg	Y	0.275
BIST025	LB131F2501	Gulf killifish	Whole Body	Zinc	1	49	48	1	151	mg/kg	39.4	mg/kg	Y	0.262
BIST025	LB131F2502	Gulf killifish	Whole Body	Zinc	1	49	48	1	151	mg/kg	38.0	mg/kg	Y	0.252
BIST025	LB131F2503	Sheepshead minnow	Whole Body	Zinc	1	49	48	1	151	mg/kg	38.3	mg/kg	Y	0.254
BIST025	LB132F2502	Gulf menhaden	Whole Body	Zinc	2A	122	116	6	133	mg/kg	22.5	mg/kg	Y	0.169
BIST025	LB132F2501	Gulf menhaden	Whole Body	Zinc	2A	122	116	6	133	mg/kg	22.5	mg/kg	Y	0.169
BIST025	LB132F2503	Spot	Whole Body	Zinc	2B	2	2	0	123	mg/kg	15.5	mg/kg	Y	0.126
BIST026	LB131F2604	Gulf killifish	Whole Body	Zinc	1	48	47	1	150	mg/kg	35.6	mg/kg	Y	0.238
BIST026	LB131F2601	Gulf killifish	Whole Body	Zinc	1	48	47	1	150	mg/kg	34.4	mg/kg	Y	0.230
BIST027	PPGC1F2706	Gulf killifish	Whole Body	Zinc	1	32	30	2	150	mg/kg	32.7	mg/kg	Y	0.218
BIST027	PPGC1F2705	Gulf killifish	Whole Body	Zinc	1	32	30	2	150	mg/kg	31.9	mg/kg	Y	0.212
BIST027	PPGC1F2712	Gulf killifish	Whole Body	Zinc	1	32	30	2	150	mg/kg	34.6	mg/kg	Y	0.230
BIST028	PPGC1F2802	Gulf killifish	Whole Body	Zinc	1	30	29	1	152	mg/kg	26.6	mg/kg	Y	0.176
BIST028	PPGC1F2806	Gulf killifish	Whole Body	Zinc	1	30	29	1	152	mg/kg	24.6	mg/kg	Y	0.162
BIST028	PPGC1F2803	Gulf killifish	Whole Body	Zinc	1	30	29	1	152	mg/kg	27.7	mg/kg	Y	0.183
BIST029	PPGC1F2904	Gulf killifish	Whole Body	Zinc	1	31	29	2	157	mg/kg	34.3	mg/kg	Y	0.218
BIST029	PPGC1F2905	Gulf killifish	Whole Body	Zinc	1	31	29	2	157	mg/kg	35.3	mg/kg	Y	0.225
BIST029	PPGC1F2903	Gulf killifish	Whole Body	Zinc	1	31	29	2	157	mg/kg	35.1	mg/kg	Y	0.223
BISTC01	BAYD4C0103	Blue crab	Shellfish	Zinc	I 2B	69	67	2	91.2	mg/kg	30.3	mg/kg	Y	0.332
BISTC01	BAYD4C0101	Blue crab	Shellfish	Zinc	I 2B	69	67	2	91.2	mg/kg	36.2	mg/kg	Y	0.397

Table 37B
Calcasieu Estuary Database Records Used in BSAF Calculations

						Sediment Samples					Tissue Sample			
Location	Sample ID	Species	Specimen Type	Chemical	Prey Group	N	Detects	Non-detects	Average	Units	Result	Units	Detect	Biota-Sediment Accumulation Factor
BISTC02	BAYD4C0201	Blue crab	Shellfish	Zinc	I 2B	77	75	2	97.7	mg/kg	32.0	mg/kg	Y	0.327
BISTC02	BAYD4C0205	Blue crab	Shellfish	Zinc	I 2B	77	75	2	97.7	mg/kg	35.2	mg/kg	Y	0.360
BISTC02	BAYD4C0203	Blue crab	Shellfish	Zinc	I 2B	77	75	2	97.7	mg/kg	28.6	mg/kg	Y	0.293
BISTC03	BAYD4C0302	Blue crab	Shellfish	Zinc	I 2B	105	102	3	122	mg/kg	28.1	mg/kg	Y	0.231
BISTC05	BAYD4C0502	Blue crab	Shellfish	Zinc	I 2B	113	107	6	155	mg/kg	33.1	mg/kg	Y	0.214
ECOBI001	00ECO-001-GM1-BI03	Gulf menhaden	Whole Body	Zinc	2A	77	69	8	180	mg/kg	37.8	mg/kg	Y	0.210
ECOBI002	00ECO-002-BC1-BI01	Blue crab	Shellfish	Zinc	I 2B	81	74	7	165	mg/kg	22.2	mg/kg	Y	0.135
ECOBI012	00ECO-012-BD1-BI01	Black Drum	Whole Body	Zinc	3B	123	117	6	138	mg/kg	16.6	mg/kg	Y	0.120
ECOBI012	00ECO-012-BD4-BI01	Black Drum	Whole Body	Zinc	3B	123	117	6	138	mg/kg	15.3	mg/kg	Y	0.111
ECOBI012	00ECO-012-BD3-BI01	Black Drum	Whole Body	Zinc	3B	123	117	6	138	mg/kg	20.1	mg/kg	Y	0.145
ECOBI012	00ECO-012-BD2-BI01	Black Drum	Whole Body	Zinc	4B	262	236	26	150	mg/kg	19.9	mg/kg	Y	0.132
ECOBI013	00ECO-013-BD1-BI01	Black Drum	Whole Body	Zinc	3B	124	118	6	136	mg/kg	17.6	mg/kg	Y	0.130
ECOBI014	00ECO-014-CL1-BI01	Clams	Shellfish	Zinc	I 1A	1	1	0	74.2	mg/kg	8.50	mg/kg	Y	0.115
ECOBI015	00ECO-015-FC1-BI01	Fiddler Crab	Shellfish	Zinc	I 1B	2	2	0	186	mg/kg	6.80	mg/kg	Y	0.0366
LBD-1-1-R	LBD-1-1-R	Rangia	Shellfish	Zinc	I 1A	1	1	0	20.3	mg/kg	4.20	mg/kg	N	0.207
LBD-1-2-R	LBD-1-2-R	Rangia	Shellfish	Zinc	I 1A	1	1	0	20.3	mg/kg	4.85	mg/kg	N	0.239
LBD-2-1-R	LBD-2-1-R	Rangia	Shellfish	Zinc	I 1A	1	0	1	102	mg/kg	3.50	mg/kg	N	0.0343
LBD-2-2-R	LBD-2-2-R	Rangia	Shellfish	Zinc	I 1A	1	0	1	102	mg/kg	3.25	mg/kg	N	0.0319
LBD-3-1-R	LBD-3-1-R	Rangia	Shellfish	Zinc	I 1A	1	1	0	64.5	mg/kg	4.25	mg/kg	N	0.0659
LBD-4-1-U	LBD-4-1-U	Fiddler Crab	Shellfish	Zinc	I 1B	1	1	0	199	mg/kg	9.00	mg/kg	N	0.0452
LBD-5-1-U	LBD-5-1-U	Fiddler Crab	Shellfish	Zinc	I 1B	1	1	0	335	mg/kg	9.00	mg/kg	N	0.0269
LBD-5-2-U	LBD-5-2-U	Fiddler Crab	Shellfish	Zinc	I 1B	3	2	1	152	mg/kg	9.50	mg/kg	N	0.0624
LBD-6-1-U	LBD-6-1-U	Fiddler Crab	Shellfish	Zinc	I 1B	3	2	1	61.3	mg/kg	10.00	mg/kg	N	0.163

Table 37C
Example BSAF Calculations Using Data from the Calcasieu BERA Database

BSAF Example Calculation #1
Group 2A Fish (Gulf menhaden)
Chemical: 2,3,7,8-TCDD

Sediment Location	Sediment Sample	Start depth	End depth	Depth unit	Analyte	Result	Adjusted Result[a]	Unit	Detect	Prey Group	Tissue Sample	Analyte	Result	Units	Detect	Species	Tissue Type
BD30	BDS30-SB-011	0	11	cm	2,3,7,8-TCDD	0.49	0.245	ng/kg	N								
BD31	BDS31-SB-011	0	11	cm	2,3,7,8-TCDD	33.2	33.2	ng/kg	Y								
BD32	BDS32-SB-011	0	11	cm	2,3,7,8-TCDD	1.51	1.51	ng/kg	Y								
BD33	BDS33-SB-011	0	11	cm	2,3,7,8-TCDD	3.97	3.97	ng/kg	Y								
BD34	BDS34-SB-011	0	11	cm	2,3,7,8-TCDD	17.9	17.9	ng/kg	Y								
BD35	BDS35-SB-011	0	11	cm	2,3,7,8-TCDD	10.4	10.4	ng/kg	Y								
BD36	BDS36-SB-011	0	11	cm	2,3,7,8-TCDD	22.4	22.4	ng/kg	Y								
BD37	BDS37-SB-011	0	11	cm	2,3,7,8-TCDD	1.11	1.11	ng/kg	Y								
BD38	BDS38-SB-011	0	11	cm	2,3,7,8-TCDD	4.66	4.66	ng/kg	Y								
BD39	BDS39-SB-011	0	11	cm	2,3,7,8-TCDD	5.52	5.52	ng/kg	Y								
BD40	BDS40-SB-011	0	11	cm	2,3,7,8-TCDD	6.63	6.63	ng/kg	Y								
BD41	BDS41-SB-011	0	11	cm	2,3,7,8-TCDD	0.638	0.319	ng/kg	N								
BD42	BDS42-SB-011	0	11	cm	2,3,7,8-TCDD	0.429	0.2145	ng/kg	N								
BD43	BDS43-SB-011	0	11	cm	2,3,7,8-TCDD	0.598	0.598	ng/kg	Y								
BD44	BDS44-SB-011	0	11	cm	2,3,7,8-TCDD	12.1	12.1	ng/kg	Y								
BD45	BDS45-SB-011	0	11	cm	2,3,7,8-TCDD	3.37	3.37	ng/kg	Y								
BD46	BDS46-SB-011	0	11	cm	2,3,7,8-TCDD	0.612	0.306	ng/kg	N								
BD47	BDS47-SB-011	0	11	cm	2,3,7,8-TCDD	6.58	6.58	ng/kg	Y								
BI2R1003	00BI2-R1003-NSD-010	0	10	cm	2,3,7,8-TCDD	0.778	0.778	ng/kg	Y								
BI2R1010	00BI2-R1010-NSD-010	0	10	cm	2,3,7,8-TCDD	2.48	2.48	ng/kg	Y	2A	LB032F1501	2,3,7,8-TCDD	0.739	ng/kg	Y	Gulf menhaden	Whole Body
BI2R1012	00BI2-R1012-NSD-010	0	10	cm	2,3,7,8-TCDD	2.02	2.02	ng/kg	Y								
BI2R2020	00BI2-R2020-NSD-010	0	10	cm	2,3,7,8-TCDD	3.99	3.99	ng/kg	Y								
BI2R2072	00BI2-R2072-NSD-010	0	10	cm	2,3,7,8-TCDD	0.538	0.538	ng/kg	Y								
BIR1004	00BI1-R1004-NSD-010	0	10	cm	2,3,7,8-TCDD	29	29	ng/kg	Y								
BIR1010	00BI1-R1010-NSD-010	0	10	cm	2,3,7,8-TCDD	13	13	ng/kg	Y								
BIR2008	00BI1-R2008-NSD-010	0	10	cm	2,3,7,8-TCDD	8.1	8.1	ng/kg	Y								
BIR2016	00BI1-R2016-NSD-010	0	10	cm	2,3,7,8-TCDD	0.55	0.275	ng/kg	N								
BIR2020	00BI1-R2020-NSD-010	0	10	cm	2,3,7,8-TCDD	4.3	4.3	ng/kg	Y								
BIR2038	00BI1-R2038-NSD-010	0	10	cm	2,3,7,8-TCDD	10	10	ng/kg	Y								
BIR2044	00BI1-R2044-NSD-010	0	10	cm	2,3,7,8-TCDD	0.96	0.48	ng/kg	N								
BIR2052	00BI1-R2052-NSD-010	0	10	cm	2,3,7,8-TCDD	1.7	0.85	ng/kg	N								
BIR2058	00BI1-R2058-NSD-010	0	10	cm	2,3,7,8-TCDD	4	4	ng/kg	Y								
BIR2068	99BI1-R2068-NSD-010	0	10	cm	2,3,7,8-TCDD	2.2	1.1	ng/kg	N								
BIR2088	99BI1-R2088-NSD-010	0	10	cm	2,3,7,8-TCDD	1.3	0.65	ng/kg	N								
BIR3073	00BI1-R3073-NSD-010	0	10	cm	2,3,7,8-TCDD	2.8	2.8	ng/kg	Y								
BIST011	00BI2-ST011-NSD-010	0	10	cm	2,3,7,8-TCDD	13.9	13.9	ng/kg	Y								
BIST019	00BI2-ST019-NSD-010	0	10	cm	2,3,7,8-TCDD	2.84	2.84	ng/kg	Y								
BIST026	00BI2-ST026-NSD-010	0	10	cm	2,3,7,8-TCDD	0.783	0.783	ng/kg	Y								
BIST027	00BI2-ST027-NSD-010	0	10	cm	2,3,7,8-TCDD	23.9	23.9	ng/kg	Y								
BIST030	00BI2-ST030-NSD-010	0	10	cm	2,3,7,8-TCDD	0.467	0.467	ng/kg	Y								

* Represents sediment results within 1000 m of tissue collection location

Mean Sediment Result	**6.432**	**Tissue Result**	**0.739**	**BSAF[b]**	**0.115**

Table 37C
Example BSAF Calculations Using Data from the Calcasieu BERA Database

BSAF Example Calculation #2
Group 2A Fish (Gulf killifish)
Chemical: Mercury

Sediment Location	Sediment Sample	Start depth	End depth	Depth unit	Analyte	Result	Adjusted Result[a]	Unit	Detect	Prey Group	Tissue Sample	Analyte	Result	Units	Detect	Species	Tissue Type
BI2R4017	00BI2-R4017-NSD-010	0	10	cm	Mercury	0.13	0.065	mg/kg	N								
BIR4016	00BI1-R4016-NSD-010	0	10	cm	Mercury	0.14	0.07	mg/kg	N								
BIR4017	BIR4-017-SE-CITGO	0	10	cm	Mercury	0.14	0.14	mg/kg	Y								
BIR4018	BIR4-018-SE-CITGO	0	10	cm	Mercury	0.12	0.12	mg/kg	Y								
BIR4019	00BI1-R4019-NSD-010	0	10	cm	Mercury	0.13	0.13	mg/kg	Y								
BIR4020	00BI1-R4020-NSD-010	0	10	cm	Mercury	0.19	0.19	mg/kg	Y								
BIR4021	00BI1-R4021-NSD-010	0	10	cm	Mercury	0.22	0.22	mg/kg	Y								
BIR4022	00BI1-R4022-NSD-010	0	10	cm	Mercury	0.13	0.13	mg/kg	Y	1	UB041F0402	Mercury	0.051	mg/kg	Y	Gulf killifish	Whole Body
BIR4023	00BI1-R4023-NSD-010	0	10	cm	Mercury	0.3	0.3	mg/kg	Y								
BIR4024	00BI1-R4024-NSD-010	0	10	cm	Mercury	0.31	0.31	mg/kg	Y								
BIR4025	00BI1-R4025-NSD-010	0	10	cm	Mercury	0.29	0.29	mg/kg	Y								
BIR4026	00BI1-R4026-NSD-010	0	10	cm	Mercury	0.45	0.45	mg/kg	Y								
BIR4027	00BI1-R4027-NSD-010	0	10	cm	Mercury	0.28	0.28	mg/kg	Y								
BIST004	00BI2-ST004-NSD-010	0	10	cm	Mercury	0.0937	0.0937	mg/kg	Y								

* Represents results within 500 m of tissue collection location

Mean Sediment Result	0.199	Tissue Result	0.051	BSAF[b]	0.256

a - 1/2 detection limit assumed for non-detect results

b - BSAF = Tissue result / Mean sediment result

Table 38
Summary of Prey Groups with BSAF Values that Included Whole Body Tissue Concentrations Estimated from Fillet Results

Class	Group	Chemical	Total Tissue Samples	Whole Body	Fillet
Fish Class 3	3B	Arsenic	27	23	4
Fish Class 3	3B	Chromium	27	23	4
Fish Class 3	3B	Mercury	27	23	4
Fish Class 3	3B	Selenium	27	23	4
Fish Class 3	3B	Total Chlordane (U=1/2; max ND)	26	22	4
Fish Class 3	3B	Total DDT (U=1/2; max ND)	26	22	4
Fish Class 3	3B	Total PCBs (U=1/2; max ND)	27	23	4
Fish Class 4	4B	Arsenic	45	21	24
Fish Class 4	4B	Chromium	45	21	24
Fish Class 4	4B	Mercury	45	21	24
Fish Class 4	4B	Selenium	45	21	24
Fish Class 4	4B	Total Chlordane (U=1/2; max ND)	45	21	24
Fish Class 4	4B	Total DDT (U=1/2; max ND)	45	21	24
Fish Class 4	4B	Total PCBs (U=1/2; max ND)	45	21	24

* No fillet conversion was performed for Class 1, 2A, 2B, 3A, or 4A fish samples.

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 1	1,2,3,4,6,7,8-HpCDD	18	
FISH CLASS 1	1,2,3,4,6,7,8-HpCDF	18	
FISH CLASS 1	1,2,3,4,7,8,9-HpCDF	18	
FISH CLASS 1	1,2,3,4,7,8-HxCDD	18	
FISH CLASS 1	1,2,3,4,7,8-HxCDF	18	
FISH CLASS 1	1,2,3,6,7,8-HxCDD	18	
FISH CLASS 1	1,2,3,6,7,8-HxCDF	18	
FISH CLASS 1	1,2,3,7,8,9-HxCDD	18	
FISH CLASS 1	1,2,3,7,8,9-HxCDF	18	
FISH CLASS 1	1,2,3,7,8-PeCDD	18	
FISH CLASS 1	1,2,3,7,8-PeCDF	18	
FISH CLASS 1	2,3,4,6,7,8-HxCDF	18	
FISH CLASS 1	2,3,4,7,8-PeCDF	18	
FISH CLASS 1	2,3,7,8-TCDD	18	
FISH CLASS 1	2,3,7,8-TCDF	18	
FISH CLASS 1	2-Methylnaphthalene	77	
FISH CLASS 1	4,4'-DDD	78	
FISH CLASS 1	4,4'-DDE	78	1
FISH CLASS 1	4,4'-DDT	78	
FISH CLASS 1	Acenaphthene	77	
FISH CLASS 1	Acenaphthylene	77	
FISH CLASS 1	Aldrin	78	
FISH CLASS 1	alpha-Chlordane	78	
FISH CLASS 1	Anthracene	77	
FISH CLASS 1	Aroclor-1016	72	
FISH CLASS 1	Aroclor-1221	72	
FISH CLASS 1	Aroclor-1232	72	
FISH CLASS 1	Aroclor-1242	72	
FISH CLASS 1	Aroclor-1248	72	
FISH CLASS 1	Aroclor-1254	78	
FISH CLASS 1	Aroclor-1260	77	
FISH CLASS 1	Arsenic	78	
FISH CLASS 1	Benzo(a)anthracene	74	
FISH CLASS 1	Benzo(a)pyrene	54	
FISH CLASS 1	Benzo(b)fluoranthene	54	
FISH CLASS 1	Benzo(g,h,i)perylene	54	
FISH CLASS 1	Benzo(k)fluoranthene	54	
FISH CLASS 1	beta-BHC	78	
FISH CLASS 1	Cadmium	78	
FISH CLASS 1	Chromium	78	
FISH CLASS 1	Chrysene	74	
FISH CLASS 1	Copper	78	
FISH CLASS 1	delta-BHC	78	
FISH CLASS 1	Dibenzo(a,h)anthracene	54	
FISH CLASS 1	Endosulfan I	78	
FISH CLASS 1	Endosulfan II	78	
FISH CLASS 1	Endrin	78	
FISH CLASS 1	Fluoranthene	77	
FISH CLASS 1	Fluorene	77	
FISH CLASS 1	gamma-BHC (Lindane)	78	
FISH CLASS 1	gamma-Chlordane	78	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 1	Heptachlor	78	
FISH CLASS 1	Heptachlor Epoxide	78	
FISH CLASS 1	Hexachloro-1,3-butadiene	77	
FISH CLASS 1	Hexachlorobenzene	77	
FISH CLASS 1	Hexachloroethane	77	
FISH CLASS 1	Indeno(1,2,3-cd)pyrene	54	
FISH CLASS 1	Lead	78	
FISH CLASS 1	Mercury	78	
FISH CLASS 1	Methoxychlor	78	
FISH CLASS 1	Nickel	78	
FISH CLASS 1	OCDD	18	
FISH CLASS 1	OCDF	18	
FISH CLASS 1	PCB-105	18	
FISH CLASS 1	PCB-114	18	
FISH CLASS 1	PCB-118	18	
FISH CLASS 1	PCB-126	18	
FISH CLASS 1	PCB-156	18	
FISH CLASS 1	PCB-157	18	
FISH CLASS 1	PCB-167	18	
FISH CLASS 1	PCB-169	18	
FISH CLASS 1	PCB-189	18	
FISH CLASS 1	Pentachlorophenol	20	
FISH CLASS 1	Phenanthrene	77	
FISH CLASS 1	Pyrene	74	
FISH CLASS 1	Selenium	78	
FISH CLASS 1	Total Chlordane (U=1/2; max ND)	78	
FISH CLASS 1	Total DDT (U=1/2; max ND)	78	
FISH CLASS 1	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	18	
FISH CLASS 1	Total HPAH (U=1/2; max ND)	77	
FISH CLASS 1	Total LPAH (U=1/2; max ND)	77	
FISH CLASS 1	Total PAH (U=1/2; max ND)	77	
FISH CLASS 1	Total PCB Cong-209 (U=0, max RL)	27	
FISH CLASS 1	Total PCB Congs (U=1/2; max ND)	18	
FISH CLASS 1	Total PCBs (U=0, max RL)	78	
FISH CLASS 1	Total PCBs (U=1/2; max ND)	78	1
FISH CLASS 1	Zinc	78	
FISH CLASS 2	1,2,3,4,6,7,8-HpCDD	6	
FISH CLASS 2	1,2,3,4,6,7,8-HpCDF	6	
FISH CLASS 2	1,2,3,4,7,8,9-HpCDF	6	
FISH CLASS 2	1,2,3,4,7,8-HxCDD	6	
FISH CLASS 2	1,2,3,4,7,8-HxCDF	6	
FISH CLASS 2	1,2,3,6,7,8-HxCDD	6	
FISH CLASS 2	1,2,3,6,7,8-HxCDF	6	
FISH CLASS 2	1,2,3,7,8,9-HxCDD	6	
FISH CLASS 2	1,2,3,7,8,9-HxCDF	6	
FISH CLASS 2	1,2,3,7,8-PeCDD	6	
FISH CLASS 2	1,2,3,7,8-PeCDF	6	
FISH CLASS 2	1,2-Dichlorobenzene	1	
FISH CLASS 2	1,3-Dichlorobenzene	1	
FISH CLASS 2	1,4-Dichlorobenzene	1	
FISH CLASS 2	2,3,4,6,7,8-HxCDF	6	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 2	2,3,4,7,8-PeCDF	6	
FISH CLASS 2	2,3,7,8-TCDD	6	
FISH CLASS 2	2,3,7,8-TCDF	6	
FISH CLASS 2	2-Methylnaphthalene	22	
FISH CLASS 2	4,4'-DDD	24	
FISH CLASS 2	4,4'-DDE	24	2
FISH CLASS 2	4,4'-DDT	24	1
FISH CLASS 2	Acenaphthene	22	
FISH CLASS 2	Acenaphthylene	22	
FISH CLASS 2	Aldrin	24	
FISH CLASS 2	alpha-Chlordane	24	1
FISH CLASS 2	Anthracene	22	
FISH CLASS 2	Aroclor-1016	24	
FISH CLASS 2	Aroclor-1221	24	
FISH CLASS 2	Aroclor-1232	24	
FISH CLASS 2	Aroclor-1242	24	
FISH CLASS 2	Aroclor-1248	24	
FISH CLASS 2	Aroclor-1254	24	
FISH CLASS 2	Aroclor-1260	24	
FISH CLASS 2	Arsenic	24	
FISH CLASS 2	Benzo(a)anthracene	20	
FISH CLASS 2	Benzo(a)pyrene	20	
FISH CLASS 2	Benzo(b)fluoranthene	20	
FISH CLASS 2	Benzo(g,h,i)perylene	20	
FISH CLASS 2	Benzo(k)fluoranthene	20	
FISH CLASS 2	beta-BHC	24	
FISH CLASS 2	Cadmium	24	
FISH CLASS 2	Chromium	24	
FISH CLASS 2	Chrysene	20	
FISH CLASS 2	Copper	24	
FISH CLASS 2	delta-BHC	24	
FISH CLASS 2	Dibenzo(a,h)anthracene	20	
FISH CLASS 2	Endosulfan I	24	
FISH CLASS 2	Endosulfan II	24	
FISH CLASS 2	Endrin	24	
FISH CLASS 2	Fluoranthene	22	
FISH CLASS 2	Fluorene	22	
FISH CLASS 2	gamma-BHC (Lindane)	24	1
FISH CLASS 2	gamma-Chlordane	24	1
FISH CLASS 2	Heptachlor	24	
FISH CLASS 2	Heptachlor Epoxide	24	
FISH CLASS 2	Hexachloro-1,3-butadiene	22	
FISH CLASS 2	Hexachlorobenzene	22	
FISH CLASS 2	Hexachloroethane	22	
FISH CLASS 2	Indeno(1,2,3-cd)pyrene	20	
FISH CLASS 2	Lead	24	
FISH CLASS 2	Mercury	24	
FISH CLASS 2	Methoxychlor	24	
FISH CLASS 2	Nickel	24	
FISH CLASS 2	OCDD	6	
FISH CLASS 2	OCDF	6	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 2	PCB-105	6	
FISH CLASS 2	PCB-114	6	
FISH CLASS 2	PCB-118	6	
FISH CLASS 2	PCB-126	6	
FISH CLASS 2	PCB-156	6	
FISH CLASS 2	PCB-157	6	
FISH CLASS 2	PCB-167	6	
FISH CLASS 2	PCB-169	6	
FISH CLASS 2	PCB-189	6	
FISH CLASS 2	Pentachlorophenol	21	
FISH CLASS 2	Phenanthrene	22	
FISH CLASS 2	Pyrene	20	
FISH CLASS 2	Selenium	24	
FISH CLASS 2	Total Chlordane (U=1/2; max ND)	24	
FISH CLASS 2	Total DDT (U=1/2; max ND)	24	
FISH CLASS 2	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	6	
FISH CLASS 2	Total HPAH (U=1/2; max ND)	22	
FISH CLASS 2	Total LPAH (U=1/2; max ND)	22	
FISH CLASS 2	Total PAH (U=1/2; max ND)	22	
FISH CLASS 2	Total PCB Cong-209 (U=0, max RL)	9	
FISH CLASS 2	Total PCB Congs (U=1/2; max ND)	6	
FISH CLASS 2	Total PCBs (U=0, max RL)	24	
FISH CLASS 2	Total PCBs (U=1/2; max ND)	24	1
FISH CLASS 2	Zinc	24	
FISH CLASS 3	1,2,3,4,6,7,8-HpCDD	10	
FISH CLASS 3	1,2,3,4,6,7,8-HpCDF	10	
FISH CLASS 3	1,2,3,4,7,8,9-HpCDF	10	
FISH CLASS 3	1,2,3,4,7,8-HxCDD	10	
FISH CLASS 3	1,2,3,4,7,8-HxCDF	10	
FISH CLASS 3	1,2,3,6,7,8-HxCDD	10	
FISH CLASS 3	1,2,3,6,7,8-HxCDF	10	
FISH CLASS 3	1,2,3,7,8,9-HxCDD	10	
FISH CLASS 3	1,2,3,7,8,9-HxCDF	10	
FISH CLASS 3	1,2,3,7,8-PeCDD	10	
FISH CLASS 3	1,2,3,7,8-PeCDF	10	
FISH CLASS 3	1,2-Dichlorobenzene	8	
FISH CLASS 3	1,3-Dichlorobenzene	8	
FISH CLASS 3	1,4-Dichlorobenzene	8	
FISH CLASS 3	2,3,4,6,7,8-HxCDF	10	
FISH CLASS 3	2,3,4,7,8-PeCDF	10	
FISH CLASS 3	2,3,7,8-TCDD	10	
FISH CLASS 3	2,3,7,8-TCDF	10	
FISH CLASS 3	2-Methylnaphthalene	40	
FISH CLASS 3	4,4'-DDD	42	
FISH CLASS 3	4,4'-DDE	42	2
FISH CLASS 3	4,4'-DDT	42	2
FISH CLASS 3	Acenaphthene	40	
FISH CLASS 3	Acenaphthylene	40	
FISH CLASS 3	Aldrin	42	
FISH CLASS 3	alpha-Chlordane	42	1
FISH CLASS 3	Anthracene	40	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 3	Aroclor-1016	41	
FISH CLASS 3	Aroclor-1221	41	
FISH CLASS 3	Aroclor-1232	41	
FISH CLASS 3	Aroclor-1242	41	
FISH CLASS 3	Aroclor-1248	41	
FISH CLASS 3	Aroclor-1254	43	
FISH CLASS 3	Aroclor-1260	43	
FISH CLASS 3	Arsenic	43	
FISH CLASS 3	Benzo(a)anthracene	40	
FISH CLASS 3	Benzo(a)pyrene	39	
FISH CLASS 3	Benzo(b)fluoranthene	39	
FISH CLASS 3	Benzo(g,h,i)perylene	39	
FISH CLASS 3	Benzo(k)fluoranthene	39	
FISH CLASS 3	beta-BHC	36	
FISH CLASS 3	Cadmium	43	
FISH CLASS 3	Chromium	43	
FISH CLASS 3	Chrysene	40	
FISH CLASS 3	Copper	43	
FISH CLASS 3	delta-BHC	35	
FISH CLASS 3	Dibenzo(a,h)anthracene	39	
FISH CLASS 3	Endosulfan I	42	
FISH CLASS 3	Endosulfan II	42	
FISH CLASS 3	Endrin	42	
FISH CLASS 3	Fluoranthene	40	
FISH CLASS 3	Fluorene	40	
FISH CLASS 3	gamma-BHC (Lindane)	42	
FISH CLASS 3	gamma-Chlordane	42	
FISH CLASS 3	Heptachlor	42	
FISH CLASS 3	Heptachlor Epoxide	42	
FISH CLASS 3	Hexachloro-1,3-butadiene	43	
FISH CLASS 3	Hexachlorobenzene	40	
FISH CLASS 3	Hexachloroethane	40	
FISH CLASS 3	Indeno(1,2,3-cd)pyrene	39	
FISH CLASS 3	Lead	43	
FISH CLASS 3	Mercury	43	
FISH CLASS 3	Methoxychlor	42	
FISH CLASS 3	Nickel	43	
FISH CLASS 3	OCDD	10	
FISH CLASS 3	OCDF	10	
FISH CLASS 3	PCB-105	9	
FISH CLASS 3	PCB-114	9	
FISH CLASS 3	PCB-118	9	
FISH CLASS 3	PCB-126	9	
FISH CLASS 3	PCB-156	9	
FISH CLASS 3	PCB-157	9	
FISH CLASS 3	PCB-167	9	
FISH CLASS 3	PCB-169	9	
FISH CLASS 3	PCB-174		1
FISH CLASS 3	PCB-179		1
FISH CLASS 3	PCB-180		1
FISH CLASS 3	PCB-183		1

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 3	PCB-187		1
FISH CLASS 3	PCB-189	9	
FISH CLASS 3	PCB-194		1
FISH CLASS 3	PCB-196		1
FISH CLASS 3	PCB-199		2
FISH CLASS 3	PCB-201		1
FISH CLASS 3	PCB-202		1
FISH CLASS 3	PCB-206		1
FISH CLASS 3	PCB-207		1
FISH CLASS 3	PCB-208		1
FISH CLASS 3	PCB-209		1
FISH CLASS 3	Pentachlorophenol	25	
FISH CLASS 3	Phenanthrene	40	
FISH CLASS 3	Pyrene	40	
FISH CLASS 3	Selenium	43	
FISH CLASS 3	Total Chlordane (U=1/2; max ND)	42	
FISH CLASS 3	Total DDT (U=1/2; max ND)	42	
FISH CLASS 3	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	10	
FISH CLASS 3	Total HPAH (U=1/2; max ND)	40	
FISH CLASS 3	Total LPAH (U=1/2; max ND)	40	
FISH CLASS 3	Total PAH (U=1/2; max ND)	40	
FISH CLASS 3	Total PCB Cong-209 (U=0, max RL)	15	
FISH CLASS 3	Total PCB Congs (U=1/2; max ND)	9	
FISH CLASS 3	Total PCBs (U=0, max RL)	43	
FISH CLASS 3	Total PCBs (U=1/2; max ND)	43	1
FISH CLASS 3	Zinc	43	
FISH CLASS 4	1,2,3,4,6,7,8-HpCDD	13	
FISH CLASS 4	1,2,3,4,6,7,8-HpCDF	13	
FISH CLASS 4	1,2,3,4,7,8,9-HpCDF	13	
FISH CLASS 4	1,2,3,4,7,8-HxCDD	13	
FISH CLASS 4	1,2,3,4,7,8-HxCDF	13	
FISH CLASS 4	1,2,3,6,7,8-HxCDD	13	
FISH CLASS 4	1,2,3,6,7,8-HxCDF	13	
FISH CLASS 4	1,2,3,7,8,9-HxCDD	13	
FISH CLASS 4	1,2,3,7,8,9-HxCDF	13	
FISH CLASS 4	1,2,3,7,8-PeCDD	13	
FISH CLASS 4	1,2,3,7,8-PeCDF	13	
FISH CLASS 4	1,2-Dichlorobenzene	5	
FISH CLASS 4	1,3-Dichlorobenzene	5	
FISH CLASS 4	1,4-Dichlorobenzene	5	
FISH CLASS 4	2,3,4,6,7,8-HxCDF	13	
FISH CLASS 4	2,3,4,7,8-PeCDF	13	
FISH CLASS 4	2,3,7,8-TCDD	13	
FISH CLASS 4	2,3,7,8-TCDF	13	
FISH CLASS 4	2-Methylnaphthalene	57	
FISH CLASS 4	4,4'-DDD	57	5
FISH CLASS 4	4,4'-DDE	57	6
FISH CLASS 4	4,4'-DDT	57	4
FISH CLASS 4	Acenaphthene	57	
FISH CLASS 4	Acenaphthylene	57	
FISH CLASS 4	Aldrin	57	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 4	alpha-Chlordane	56	2
FISH CLASS 4	Anthracene	57	
FISH CLASS 4	Aroclor-1016	56	
FISH CLASS 4	Aroclor-1221	56	
FISH CLASS 4	Aroclor-1232	56	
FISH CLASS 4	Aroclor-1242	56	
FISH CLASS 4	Aroclor-1248	56	
FISH CLASS 4	Aroclor-1254	56	
FISH CLASS 4	Aroclor-1260	56	
FISH CLASS 4	Arsenic	57	
FISH CLASS 4	Benzo(a)anthracene	55	
FISH CLASS 4	Benzo(a)pyrene	53	
FISH CLASS 4	Benzo(b)fluoranthene	53	
FISH CLASS 4	Benzo(g,h,i)perylene	53	
FISH CLASS 4	Benzo(k)fluoranthene	53	
FISH CLASS 4	beta-BHC	55	
FISH CLASS 4	Cadmium	57	
FISH CLASS 4	Chromium	57	
FISH CLASS 4	Chrysene	55	
FISH CLASS 4	Copper	57	
FISH CLASS 4	delta-BHC	55	
FISH CLASS 4	Dibenzo(a,h)anthracene	53	
FISH CLASS 4	Endosulfan I	57	
FISH CLASS 4	Endosulfan II	57	
FISH CLASS 4	Endrin	57	
FISH CLASS 4	Fluoranthene	57	
FISH CLASS 4	Fluorene	57	
FISH CLASS 4	gamma-BHC (Lindane)	57	
FISH CLASS 4	gamma-Chlordane	57	3
FISH CLASS 4	Heptachlor	57	
FISH CLASS 4	Heptachlor Epoxide	57	1
FISH CLASS 4	Hexachloro-1,3-butadiene	57	
FISH CLASS 4	Hexachlorobenzene	57	
FISH CLASS 4	Hexachloroethane	57	
FISH CLASS 4	Indeno(1,2,3-cd)pyrene	53	
FISH CLASS 4	Lead	57	
FISH CLASS 4	Mercury	57	
FISH CLASS 4	Methoxychlor	57	
FISH CLASS 4	Nickel	57	
FISH CLASS 4	OCDD	13	
FISH CLASS 4	OCDF	13	
FISH CLASS 4	PCB-105	13	
FISH CLASS 4	PCB-114	13	
FISH CLASS 4	PCB-118	13	
FISH CLASS 4	PCB-126	13	
FISH CLASS 4	PCB-156	13	
FISH CLASS 4	PCB-157	13	
FISH CLASS 4	PCB-167	13	
FISH CLASS 4	PCB-169	13	
FISH CLASS 4	PCB-189	13	
FISH CLASS 4	Pentachlorophenol	21	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
FISH CLASS 4	Phenanthrene	57	
FISH CLASS 4	Pyrene	55	
FISH CLASS 4	Selenium	57	
FISH CLASS 4	Total Chlordane (U=1/2; max ND)	57	
FISH CLASS 4	Total DDT (U=1/2; max ND)	57	
FISH CLASS 4	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	13	
FISH CLASS 4	Total HPAH (U=1/2; max ND)	57	
FISH CLASS 4	Total LPAH (U=1/2; max ND)	57	
FISH CLASS 4	Total PAH (U=1/2; max ND)	57	
FISH CLASS 4	Total PCB Cong-209 (U=0, max RL)	26	
FISH CLASS 4	Total PCB Congs (U=1/2; max ND)	13	
FISH CLASS 4	Total PCBs (U=0, max RL)	56	
FISH CLASS 4	Total PCBs (U=1/2; max ND)	56	1
FISH CLASS 4	Zinc	57	
INVERT CLASS 1	1,2,3,4,6,7,8-HpCDD	6	6
INVERT CLASS 1	1,2,3,4,6,7,8-HpCDF	6	5
INVERT CLASS 1	1,2,3,4,7,8,9-HpCDF	6	5
INVERT CLASS 1	1,2,3,4,7,8-HxCDD	6	5
INVERT CLASS 1	1,2,3,4,7,8-HxCDF	6	5
INVERT CLASS 1	1,2,3,6,7,8-HxCDD	6	5
INVERT CLASS 1	1,2,3,6,7,8-HxCDF	6	5
INVERT CLASS 1	1,2,3,7,8,9-HxCDD	6	5
INVERT CLASS 1	1,2,3,7,8,9-HxCDF	6	5
INVERT CLASS 1	1,2,3,7,8-PeCDD	6	5
INVERT CLASS 1	1,2,3,7,8-PeCDF	6	5
INVERT CLASS 1	1,2-Dichlorobenzene	11	
INVERT CLASS 1	1,3-Dichlorobenzene	11	
INVERT CLASS 1	1,4-Dichlorobenzene	11	
INVERT CLASS 1	2,3,4,6,7,8-HxCDF	6	5
INVERT CLASS 1	2,3,4,7,8-PeCDF	6	5
INVERT CLASS 1	2,3,7,8-TCDD	6	5
INVERT CLASS 1	2,3,7,8-TCDF	6	5
INVERT CLASS 1	2-Methylnaphthalene	14	
INVERT CLASS 1	4,4'-DDD	14	2
INVERT CLASS 1	4,4'-DDE	14	9
INVERT CLASS 1	4,4'-DDT	14	5
INVERT CLASS 1	Acenaphthene	14	1
INVERT CLASS 1	Acenaphthylene	14	2
INVERT CLASS 1	Aldrin	14	3
INVERT CLASS 1	alpha-Chlordane	14	
INVERT CLASS 1	Anthracene	14	3
INVERT CLASS 1	Aroclor-1016	14	
INVERT CLASS 1	Aroclor-1221	14	
INVERT CLASS 1	Aroclor-1232	14	
INVERT CLASS 1	Aroclor-1242	14	
INVERT CLASS 1	Aroclor-1248	14	7
INVERT CLASS 1	Aroclor-1254	14	7
INVERT CLASS 1	Aroclor-1260	14	5
INVERT CLASS 1	Arsenic	14	
INVERT CLASS 1	Benzo(a)anthracene	14	5
INVERT CLASS 1	Benzo(a)pyrene	11	11

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
INVERT CLASS 1	Benzo(b)fluoranthene	11	7
INVERT CLASS 1	Benzo(g,h,i)perylene	11	6
INVERT CLASS 1	Benzo(k)fluoranthene	11	7
INVERT CLASS 1	beta-BHC	14	
INVERT CLASS 1	Cadmium	14	
INVERT CLASS 1	Chromium	14	
INVERT CLASS 1	Chrysene	14	7
INVERT CLASS 1	Copper	14	
INVERT CLASS 1	delta-BHC	14	3
INVERT CLASS 1	Dibenzo(a,h)anthracene	11	4
INVERT CLASS 1	Endosulfan I	14	
INVERT CLASS 1	Endosulfan II	14	
INVERT CLASS 1	Endrin	14	1
INVERT CLASS 1	Fluoranthene	14	12
INVERT CLASS 1	Fluorene	14	1
INVERT CLASS 1	gamma-BHC (Lindane)	14	3
INVERT CLASS 1	gamma-Chlordane	14	9
INVERT CLASS 1	Heptachlor	14	
INVERT CLASS 1	Heptachlor Epoxide	14	2
INVERT CLASS 1	Hexachloro-1,3-butadiene	14	
INVERT CLASS 1	Hexachlorobenzene	14	2
INVERT CLASS 1	Hexachloroethane	14	
INVERT CLASS 1	Indeno(1,2,3-cd)pyrene	11	5
INVERT CLASS 1	Lead	14	
INVERT CLASS 1	Mercury	35	
INVERT CLASS 1	Methoxychlor	14	2
INVERT CLASS 1	Naphthalene		7
INVERT CLASS 1	Nickel	14	
INVERT CLASS 1	OCDD	6	5
INVERT CLASS 1	OCDF	6	5
INVERT CLASS 1	PCB-018		7
INVERT CLASS 1	PCB-044		7
INVERT CLASS 1	PCB-049		7
INVERT CLASS 1	PCB-052		15
INVERT CLASS 1	PCB-087		7
INVERT CLASS 1	PCB-105	5	
INVERT CLASS 1	PCB-114	5	
INVERT CLASS 1	PCB-118	5	7
INVERT CLASS 1	PCB-123	4	
INVERT CLASS 1	PCB-126	5	
INVERT CLASS 1	PCB-128		7
INVERT CLASS 1	PCB-136	4	
INVERT CLASS 1	PCB-141	4	
INVERT CLASS 1	PCB-151		7
INVERT CLASS 1	PCB-153		9
INVERT CLASS 1	PCB-156	1	
INVERT CLASS 1	PCB-157	1	
INVERT CLASS 1	PCB-167	5	
INVERT CLASS 1	PCB-169	5	
INVERT CLASS 1	PCB-174	4	1
INVERT CLASS 1	PCB-179	4	1

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
INVERT CLASS 1	PCB-180		8
INVERT CLASS 1	PCB-183		8
INVERT CLASS 1	PCB-187		1
INVERT CLASS 1	PCB-189	5	
INVERT CLASS 1	PCB-194	4	8
INVERT CLASS 1	PCB-196		1
INVERT CLASS 1	PCB-199		9
INVERT CLASS 1	PCB-201		1
INVERT CLASS 1	PCB-202	4	1
INVERT CLASS 1	PCB-206	4	1
INVERT CLASS 1	PCB-207	4	1
INVERT CLASS 1	PCB-208	4	1
INVERT CLASS 1	PCB-209	4	1
INVERT CLASS 1	Pentachlorophenol	11	
INVERT CLASS 1	Phenanthrene	14	7
INVERT CLASS 1	Pyrene	14	7
INVERT CLASS 1	Selenium	14	
INVERT CLASS 1	Total Chlordane (U=1/2; max ND)	14	
INVERT CLASS 1	Total DDT (U=1/2; max ND)	14	
INVERT CLASS 1	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	6	
INVERT CLASS 1	Total HPAH (U=1/2; max ND)	14	
INVERT CLASS 1	Total LPAH (U=1/2; max ND)	14	
INVERT CLASS 1	Total PAH (U=1/2; max ND)	14	
INVERT CLASS 1	Total PCB Cong-209 (U=0, max RL)	5	
INVERT CLASS 1	Total PCB Congs (U=1/2; max ND)	5	
INVERT CLASS 1	Total PCBs (U=0, max RL)	14	
INVERT CLASS 1	Total PCBs (U=1/2; max ND)	14	9
INVERT CLASS 1	Zinc	14	
INVERT CLASS 2	1,2,3,4,6,7,8-HpCDD	5	
INVERT CLASS 2	1,2,3,4,6,7,8-HpCDF	5	
INVERT CLASS 2	1,2,3,4,7,8,9-HpCDF	5	
INVERT CLASS 2	1,2,3,4,7,8-HxCDD	5	
INVERT CLASS 2	1,2,3,4,7,8-HxCDF	5	
INVERT CLASS 2	1,2,3,6,7,8-HxCDD	5	
INVERT CLASS 2	1,2,3,6,7,8-HxCDF	5	
INVERT CLASS 2	1,2,3,7,8,9-HxCDD	5	
INVERT CLASS 2	1,2,3,7,8,9-HxCDF	5	
INVERT CLASS 2	1,2,3,7,8-PeCDD	5	
INVERT CLASS 2	1,2,3,7,8-PeCDF	5	
INVERT CLASS 2	1,2-Dichlorobenzene	1	
INVERT CLASS 2	1,3-Dichlorobenzene	1	
INVERT CLASS 2	1,4-Dichlorobenzene	1	
INVERT CLASS 2	2,3,4,6,7,8-HxCDF	5	
INVERT CLASS 2	2,3,4,7,8-PeCDF	5	
INVERT CLASS 2	2,3,7,8-TCDD	5	
INVERT CLASS 2	2,3,7,8-TCDF	5	
INVERT CLASS 2	2-Methylnaphthalene	20	
INVERT CLASS 2	4,4'-DDD	21	
INVERT CLASS 2	4,4'-DDE	21	
INVERT CLASS 2	4,4'-DDT	21	
INVERT CLASS 2	Acenaphthene	20	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
INVERT CLASS 2	Acenaphthylene	20	
INVERT CLASS 2	Aldrin	21	
INVERT CLASS 2	alpha-Chlordane	21	
INVERT CLASS 2	Anthracene	20	
INVERT CLASS 2	Aroclor-1016	21	
INVERT CLASS 2	Aroclor-1221	21	
INVERT CLASS 2	Aroclor-1232	21	
INVERT CLASS 2	Aroclor-1242	21	
INVERT CLASS 2	Aroclor-1248	21	
INVERT CLASS 2	Aroclor-1254	21	
INVERT CLASS 2	Aroclor-1260	21	
INVERT CLASS 2	Arsenic	21	
INVERT CLASS 2	Benzo(a)anthracene	20	
INVERT CLASS 2	Benzo(a)pyrene	13	
INVERT CLASS 2	Benzo(b)fluoranthene	13	
INVERT CLASS 2	Benzo(g,h,i)perylene	13	
INVERT CLASS 2	Benzo(k)fluoranthene	13	
INVERT CLASS 2	beta-BHC	21	
INVERT CLASS 2	Cadmium	19	
INVERT CLASS 2	Chromium	21	
INVERT CLASS 2	Chrysene	20	
INVERT CLASS 2	Copper	21	
INVERT CLASS 2	delta-BHC	21	
INVERT CLASS 2	Dibenzo(a,h)anthracene	13	
INVERT CLASS 2	Endosulfan I	21	
INVERT CLASS 2	Endosulfan II	21	
INVERT CLASS 2	Endrin	21	
INVERT CLASS 2	Fluoranthene	20	
INVERT CLASS 2	Fluorene	20	
INVERT CLASS 2	gamma-BHC (Lindane)	21	
INVERT CLASS 2	gamma-Chlordane	21	
INVERT CLASS 2	Heptachlor	21	
INVERT CLASS 2	Heptachlor Epoxide	21	
INVERT CLASS 2	Hexachloro-1,3-butadiene	20	
INVERT CLASS 2	Hexachlorobenzene	20	
INVERT CLASS 2	Hexachloroethane	20	
INVERT CLASS 2	Indeno(1,2,3-cd)pyrene	13	
INVERT CLASS 2	Lead	21	
INVERT CLASS 2	Mercury	21	
INVERT CLASS 2	Methoxychlor	21	
INVERT CLASS 2	Nickel	21	
INVERT CLASS 2	OCDD	5	
INVERT CLASS 2	OCDF	5	
INVERT CLASS 2	PCB-105	5	
INVERT CLASS 2	PCB-114	5	
INVERT CLASS 2	PCB-118	5	
INVERT CLASS 2	PCB-126	5	
INVERT CLASS 2	PCB-156	5	
INVERT CLASS 2	PCB-157	5	
INVERT CLASS 2	PCB-167	5	
INVERT CLASS 2	PCB-169	5	

Table 39A
Comparison Between Sources of BSAF Records for COPC Refinement Memo

Class	Chemical	Calcasieu BERA (CDM 2002)	ERDC BASF Database (USACE 2008)
INVERT CLASS 2	PCB-189	5	
INVERT CLASS 2	Pentachlorophenol	13	
INVERT CLASS 2	Phenanthrene	20	
INVERT CLASS 2	Pyrene	20	
INVERT CLASS 2	Selenium	21	
INVERT CLASS 2	Total Chlordane (U=1/2; max ND)	21	
INVERT CLASS 2	Total DDT (U=1/2; max ND)	21	
INVERT CLASS 2	Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	5	
INVERT CLASS 2	Total HPAH (U=1/2; max ND)	20	
INVERT CLASS 2	Total LPAH (U=1/2; max ND)	20	
INVERT CLASS 2	Total PAH (U=1/2; max ND)	20	
INVERT CLASS 2	Total PCB Cong-209 (U=0, max RL)	5	
INVERT CLASS 2	Total PCB Congs (U=1/2; max ND)	5	
INVERT CLASS 2	Total PCBs (U=0, max RL)	21	
INVERT CLASS 2	Total PCBs (U=1/2; max ND)	21	
INVERT CLASS 2	Zinc	21	
	Total Records	14947	415

Table 39B
Species List for Patrick Bayou BASF Database

Organism Type	Species Name	Gulf Coast	Freshwater or Marine
FISH	*Ameiurus melas*	yes	Freshwater
FISH	*Atlantic croaker*	yes	Marine
FISH	*Black Drum*	yes	Marine
FISH	*Catostomus columbianus*	no	Freshwater
FISH	*Catostomus commersoni*	yes	Freshwater
FISH	*Catostomus macrocheilus*	no	Freshwater
FISH	*Cottus beldingii*	no	Freshwater
FISH	*Cottus spp.*	no	Freshwater/Marine
FISH	*Cyprinus carpio*	yes	Freshwater/Brackish
FISH	*Flounder*	yes	Marine
FISH	*Gambusia holbrooki*	no	Freshwater/Brackish
FISH	*Gizzard shad*	yes	Freshwater/Marine
FISH	*Gulf killifish*	yes	Freshwater/Marine
FISH	*Gulf menhaden*	yes	Marine
FISH	*Ictalurus punctatus*	yes	Freshwater
FISH	*Micropterus dolomieu*	yes	Freshwater
FISH	*Mugil cephalus*	yes	Freshwater/Marine
FISH	*Oncorhynchus mykiss*	no	Freshwater/Marine
FISH	*Pimephales promelas*	yes	Freshwater
FISH	*Pinfish*	yes	Freshwater/Marine
FISH	*Red drum*	yes	Marine
FISH	*Sailfin molly*	yes	Freshwater/Brackish
FISH	*Salmo trutta*	no	Freshwater/Marine
FISH	*Sand seatrout*	yes	Marine
FISH	*Sea Trout*	yes	Freshwater/Marine
FISH	*Sheepshead minnow*	yes	Freshwater/Marine
FISH	*Skipjack herring*	yes	Freshwater/Brackish
FISH	*Spot*	yes	Marine
FISH	*Spotted seatrout*	yes	Marine
FISH	*Striped mullet*	yes	Freshwater/Marine
FISH	*Threadfin shad*	yes	Freshwater/Brackish
FISH	*White mullet*	yes	Marine
INVERT	*Arabellidae*	yes	Marine
INVERT	*Blue crab*	yes	Marine
INVERT	*Cerebratulus lacteus*	yes	Marine
INVERT	*Chasmagnathus granulata*	no	Marine
INVERT	*Clams*	yes	Marine
INVERT	*Fiddler Crab*	yes	Marine
INVERT	*Leitoscoloplos fragilis*	no	Marine
INVERT	*Limnodrilus spp.*	yes	Freshwater
INVERT	*Lumbriculus variegatus*	yes	Freshwater
INVERT	*Lumbrineridae misc.*	yes	Marine
INVERT	*Macoma nasuta*	no	Marine
INVERT	*Marenzelleria viridis*	no	Marine
INVERT	*Mercenaria spp.*	yes	Marine
INVERT	*Mollusca misc.*	yes	Freshwater/Marine
INVERT	*Mussels*	yes	Marine
INVERT	*Neanthes virens*	no	Marine
INVERT	*Nephtys incisa*	no	Marine
INVERT	*Nephtys spp.*	yes	Marine
INVERT	*Nereis diversicolor*	no	Marine
INVERT	*Nucula spp.*	yes	Marine

Table 39B
Species List for Patrick Bayou BASF Database

Organism Type	Species Name	Gulf Coast	Freshwater or Marine
INVERT	*Palaemonetes pugio*	yes	Marine
INVERT	*Polychaete misc.*	yes	Freshwater/Marine
INVERT	*Rangia*	yes	Marine
INVERT	*Shrimp*	yes	Marine
INVERT	*Yoldia limatula*	no	Marine

Revised Table A-1
Surface Water Benchmarks for Preliminary COPC Selection

Chemical	CASRN	Benchmark Value	Source	Notes
Inorganic (µg/L)				
Arsenic	7440-38-2	78	1	A
Cadmium	7440-43-9	10	1	A
Chromium	7440-47-3	50	1	A
Copper	7440-50-8	3.1	1	A
Lead	7439-92-1	8.1	1	A
Mercury	7439-97-6	0.94	1	A
Nickel	7440-02-0	8.2	1	A
Selenium	7782-49-2	71	1	A
Silver	7440-22-4	0.19	2	A
Zinc	7440-66-6	81	1	A

Notes:

A - dissolved fraction in water

Includes only benchmarks for chemicals included in historical data sampling programs.

Sources:

1 - USEPA 2006

2 - TCEQ 2006

Revised Table A-2
Sediment Benchmarks for Preliminary COPC Selection

Chemical Name	CASRN	Marine Benchmark Value*
Inorganics (mg/kg dry wt.)		
Arsenic	7440-38-2	8.20
Cadmium	7440-43-9	1.20
Chromium	7440-47-3	81
Copper	7440-50-8	34
Lead	7439-92-1	46.7
Mercury	7439-97-6	0.15
Nickel	7440-02-0	20.9
Silver	7440-22-4	1.0
Zinc	7440-66-6	150
Pesticide/PCB (µg/kg dry wt.)		
Aroclor 1016[a]	12674-11-2	22.7
Aroclor 1221[a]	11104-28-2	22.7
Aroclor 1232[a]	11141-16-5	22.7
Aroclor 1242[a]	53469-21-9	22.7
Aroclor 1248[a]	12672-29-6	22.7
Aroclor 1254[a]	11097-69-1	22.7
Aroclor 1260[a]	11096-82-5	22.7
Total PCBs	NA	22.7
Dieldrin	60-57-1	0.715
gamma-BHC (Lindane)	58-89-9	0.32
alpha-Chlordane[b]	5103-71-9	2.26
gamma-Chlordane[b]	5566-34-7	2.26
Total Chlordane	NA	2.26
Sum of DDD[c]	NA	1.22
Sum of DDE[c]	NA	2.07
Sum of DDT[c]	NA	1.19
Total DDT	NA	1.58
Polycyclic Aromatic Hydrocarbons (µg/kg dry wt.)[d]		
2-Methylnaphthalene	91-57-6	70
Acenaphthene	83-32-9	16
Acenaphthylene	208-96-8	44
Anthracene	120-12-7	85.3
Benzo(a)anthracene	56-55-3	260
Benzo(a)pyrene	50-32-8	430
Chrysene	218-01-9	384
Dibenzo(a,h)anthracene	53-70-3	63.4
Fluoranthene	206-44-0	600
Fluorene	86-73-7	19
Naphthalene	91-20-3	160
Phenanthrene	85-01-8	240
Pyrene	129-00-0	665
High Molecular Weight PAHs	NA	1700
Low Molecular Weight PAHs	NA	552
Total PAHs	NA	4020
Phthalates (µg/kg dry wt.)		
bis(2-Ethylhexyl)phthalate	117-81-7	182
Volatiles (µg/kg dry wt.)		
Acetone	67-64-1	167230
Acrylonitrile	107-13-1	170

Revised Table A-2
Sediment Benchmarks for Preliminary COPC Selection

Chemical Name	CASRN	Marine Benchmark Value*
Benzene	71-43-2	140
Carbon tetrachloride	56-23-5	3670
Chlorobenzene	108-90-7	290
Chloroform	67-66-3	4300
Chloromethane	74-87-3	8740
1,2-dichlorobenzene	95-50-1	740
1,3-dichlorobenzene	541-73-1	320
1,4-dichlorobenzene	106-46-7	700
1,2-dichloroethane	107-06-2	4300
1,1-dichloroethene	75-35-4	15410
1,2-dichloropropane	78-87-5	2820
1,3-dichloropropene	542-75-6	40
Ethylbenzene	100-41-4	650
Hexachlorobutadiene	87-68-3	20
Hexachloroethane	67-72-1	180
4-methyl-2-pentanone	108-10-1	45340
Methyl bromide	74-83-9	420
Methylene chloride	75-09-2	3820
Nitrobenzene	98-95-3	130
Styrene	100-42-5	3720
1,1,2,2-tetrachloroethane	79-34-5	610
Tetrachloroethene	127-18-4	3100
Toluene	108-88-3	940
Bromoform	75-25-2	1780
1,2,4-trichlorobenzene	120-82-1	390
1,1,1-trichloroethane	71-55-6	300
Trichloroethene	79-01-6	1470
1,2,4-trimethylbenzene	95-63-6	2160
Xylenes	1330-20-7	2540

Notes

Includes only benchmarks for chemicals included in historical data sampling programs

a - Total PCB benchmark used as a surrogate for individual Aroclor compounds

b - Total chlordane benchmark used as surrogate for individual chlordane compounds

c - Includes sum of p-,p'- and o-,p'- isomers

d - PAH compounds are compared to individual benchmark values as well as those for low molecular weight PAHs, high molecular weight PAHs, and total PAHs

*Source: TCEQ 2006. (See Section 2.1 for description of sources compiled by TCEQ.)

Revised Table A-3
Potentially Bioaccumulative Chemicals for Preliminary COPC Selection

Chemical	CASRN	Source
Sediment		
Dioxin/furan congeners		
1,2,3,4,6,7,8-HpCDD	35822-46-9	1
1,2,3,4,6,7,8-HpCDF	67562-39-4	1
1,2,3,4,7,8,9-HpCDF	55673-89-7	1
1,2,3,4,7,8-HxCDD	39227-28-6	1
1,2,3,4,7,8-HxCDF	70648-26-9	1
1,2,3,6,7,8-HxCDD	57653-85-7	1
1,2,3,6,7,8-HxCDF	57117-44-9	1
1,2,3,7,8,9-HxCDD	19408-74-3	1
1,2,3,7,8,9-HxCDF	72918-21-9	1
1,2,3,7,8-PeCDD	40321-76-4	1
1,2,3,7,8-PeCDF	57117-41-6	1
2,3,4,6,7,8-HxCDF	60851-34-5	1
2,3,4,7,8-PeCDF	57117-31-4	1
2,3,7,8-TCDD	1746-01-6	1
2,3,7,8-TCDF	51207-31-9	1
OCDD	3268-87-9	1
OCDF	39001-02-0	1
Total TEQ	NA	1
Inorganics		
Arsenic	7440-38-2	1
Cadmium	7440-43-9	1
Chromium	7440-47-3	1
Copper	7440-50-8	1
Lead	7439-92-1	1
Mercury	7439-97-6	1
Nickel	7440-02-0	1
Selenium	7782-49-2	1
Zinc	7440-66-6	1
Pesticide/PCBs		
Aroclor 1016	12674-11-2	1
Aroclor 1221	11104-28-2	1
Aroclor 1232	11141-16-5	1
Aroclor 1242	53469-21-9	1
Aroclor 1248	12672-29-6	1
Aroclor 1254	11097-69-1	1
Aroclor 1260	11096-82-5	1
Total PCBs	NA	1
Aldrin	309-00-2	1
alpha-BHC	319-84-6	1
alpha-Chlordane[a]	5103-71-9	1
beta-BHC	319-85-7	1
delta-BHC	319-86-8	1
Dieldrin	60-57-1	1
Endosulfan I	959-98-8	1
Endosulfan II	33213-65-9	1
Endrin	72-20-8	1
gamma-BHC (Lindane)	58-89-9	1
gamma-Chlordane[a]	5566-34-7	1

Revised Table A-3
Potentially Bioaccumulative Chemicals for Preliminary COPC Selection

Chemical	CASRN	Source
Heptachlor	76-44-8	1
Heptachlor Epoxide	1024-57-3	1
Methoxychlor	72-43-5	1
Sum of DDD[b]	DDD-SUM	1
Sum of DDE[b]	DDE-SUM	1
Sum of DDT[b]	DDT-SUM	1
Total Chlordane	NA	1
Total DDT	NA	1
Toxaphene	8001-35-2	1
Semivolatile and volatile organic compounds		
4-Bromophenyl-phenylether	101-55-3	1
4-Chlorophenyl-phenylether	7005-72-3	1
Acenaphthene	83-32-9	1
Acenaphthylene	208-96-8	1
Anthracene	120-12-7	1
Benzo(a)anthracene	56-55-3	1
Benzo(a)pyrene	50-32-8	1
Benzo(b)fluoranthene	205-99-2	1
Benzo(g,h,i)perylene	191-24-2	1
Benzo(k)fluoranthene	207-08-9	1
Chrysene	218-01-9	1
Dibenzo(a,h)anthracene	53-70-3	1
Dibenzofuran	132-64-9	1
Fluoranthene	206-44-0	1
Fluorene	86-73-7	1
Hexachlorobenzene	118-74-1	1
Hexachlorobutadiene	87-68-3	1
Hexachlorocyclopentadiene	77-47-4	1
Hexachloroethane	67-72-1	1
Indeno(1,2,3-cd)pyrene	193-39-5	1
Phenanthrene	85-01-8	1
Pyrene	129-00-0	1
High Molecular Weight PAHs	NA	1
Low Molecular Weight PAHs	NA	1
Total PAHs	NA	1
1,2,4-Trichlorobenzene	120-82-1	1
1,2-Dichlorobenzene	95-50-1	1
1,3-Dichlorobenzene	541-73-1	1
1,4-Dichlorobenzene	106-46-7	1
Surface Water		
Dioxin/furan congeners		
1,2,3,4,6,7,8-HpCDD	35822-46-9	2
1,2,3,4,6,7,8-HpCDF	67562-39-4	2
1,2,3,4,7,8,9-HpCDF	55673-89-7	2
1,2,3,4,7,8-HxCDD	39227-28-6	2
1,2,3,4,7,8-HxCDF	70648-26-9	2
1,2,3,6,7,8-HxCDD	57653-85-7	2
1,2,3,6,7,8-HxCDF	57117-44-9	2
1,2,3,7,8,9-HxCDD	19408-74-3	2
1,2,3,7,8,9-HxCDF	72918-21-9	2

Revised Table A-3
Potentially Bioaccumulative Chemicals for Preliminary COPC Selection

Chemical	CASRN	Source
1,2,3,7,8-PeCDD	40321-76-4	2
1,2,3,7,8-PeCDF	57117-41-6	2
2,3,4,6,7,8-HxCDF	60851-34-5	2
2,3,4,7,8-PeCDF	57117-31-4	2
2,3,7,8-TCDD	1746-01-6	2
2,3,7,8-TCDF	51207-31-9	2
OCDD	3268-87-9	2
OCDF	39001-02-0	2
Total TEQ	NA	2
Inorganics		
Mercury	7439-97-6	2
Selenium	7782-49-2	2

Note:

Includes only benchmarks for chemicals included in historical data sampling programs

NA - Not applicable

a - Total chlordane benchmark used as surrogate for individual chlordane compounds

b - Includes sum of p-,p'- and o-,p'- isomers

Sources:

1 - USEPA 2000

2 - TCEQ 2006

Revised Table A-4
Summary of Surface Water Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Max Det Exceeds Benchmark
Benchmark = YES													
Metals-Dissolved	Arsenic	µg/L	32	0.93	16.3	26	81.25	4.055	1	50	6	36	FALSE
Metals-Dissolved	Cadmium	µg/L	34	0.056	0.162	5	14.71	0.096	0.05	7	29	8.8	FALSE
Metals-Dissolved	Chromium	µg/L	35	1.99	6	4	11.43	4.185	1	5	31	50	FALSE
Metals-Dissolved	Copper	µg/L	51	0.66	10.6	44	86.27	3.6915909	3	6	7	3.1	TRUE
Metals-Dissolved	Lead	µg/L	33	0.058	5.06	17	51.52	0.6561765	1	20	16	8.1	FALSE
Metals-Dissolved	Mercury	µg/L	1	0.03	0.03	1	100	0.03	--	--	0	0.94	FALSE
Metals-Dissolved	Nickel	µg/L	35	2.24	9.81	19	54.29	4.2789474	5	17	16	8.2	TRUE
Metals-Dissolved	Selenium	µg/L	37	0.14	1.67	20	54.05	0.6859	0.14	30	17	71	FALSE
Metals-Dissolved	Silver	µg/L	34	0.61	0.61	1	2.94	0.61	0.05	8	33	0.2	TRUE
Metals-Dissolved	Zinc	µg/L	35	4.95	35.6	30	85.71	13.901333	4	16	5	81	FALSE
Chemical detected = YES Benchmark = NO													
Conventionals	Ammonia	mg/L	14	0.05	1.31	13	92.86	0.44	0.05	0.05	1	NA	NA
Conventionals	Fluoride	mg/L	8	0.4	0.78	8	100	0.58	--	--	0	NA	NA
Conventionals	Nitrate + Nitrite	mg/L	9	0.99	4.11	9	100	2.04	--	--	0	NA	NA
Conventionals	Nitrate as Nitrogen	mg/L	22	2.31	35	22	100	9.58	--	--	0	NA	NA
Conventionals	Nitrite as Nitrogen	mg/L	4	0.05	0.5	3	75	0.24	0.1	0.1	1	NA	NA
Conventionals	ortho-Phosphate	mg/L	12	0.35	1.07	9	75	0.61	0.12	0.3	3	NA	NA
Conventionals	Phosphorus	mg/L	32	0.38	2.85	32	100	0.93	--	--	0	NA	NA
Conventionals	Sulfate	mg/L	31	96	1550	31	100	904.74	--	--	0	NA	NA
Conventionals	Total Kjeldahl nitrogen	mg/L	32	0.61	4.4	32	100	2.33	--	--	0	NA	NA
Diox/Fur	1,2,3,4,6,7,8-HpCDD	pg/L	2	1.213	1.41	2	100	1.31	--	--	0	NA	NA
Diox/Fur	1,2,3,4,7,8-HxCDF	pg/L	2	0.2	0.242	2	100	0.22	--	--	0	NA	NA
Diox/Fur	1,2,3,7,8-PeCDF	pg/L	2	0.171	0.199	2	100	0.18	--	--	0	NA	NA
Diox/Fur	2,3,7,8-TCDD	pg/L	2	0.098	0.098	1	50	0.1	0.028	0.028	1	NA	NA
Diox/Fur	2,3,7,8-TCDF	pg/L	2	0.499	0.741	2	100	0.62	--	--	0	NA	NA
Diox/Fur	OCDD	pg/L	2	17.094	22.825	2	100	19.96	--	--	0	NA	NA
Diox/Fur	OCDF	pg/L	2	22.792	38.516	2	100	30.65	--	--	0	NA	NA
Diox/Fur	Total D/F TEQ-Bird	pg/L	2	0.81	0.97	2	100	0.89	--	--	0	NA	NA
Diox/Fur	Total D/F TEQ-Fish	pg/L	2	0.24	0.32	2	100	0.28	--	--	0	NA	NA
Diox/Fur	Total D/F TEQ-Mammal	pg/L	2	0.28	0.34	2	100	0.31	--	--	0	NA	NA
Diox/Fur	Total HpCDD	pg/L	2	3.709	3.989	2	100	3.85	--	--	0	NA	NA
Diox/Fur	Total HpCDF	pg/L	2	0.983	1.041	2	100	1.01	--	--	0	NA	NA
Diox/Fur	Total HxCDD	pg/L	2	0.285	0.385	2	100	0.34	--	--	0	NA	NA
Diox/Fur	Total HxCDF	pg/L	2	1.17	1.311	2	100	1.24	--	--	0	NA	NA
Diox/Fur	Total PeCDF	pg/L	2	0.77	1.083	2	100	0.93	--	--	0	NA	NA
Diox/Fur	Total TCDD	pg/L	2	0.271	0.357	2	100	0.31	--	--	0	NA	NA
Diox/Fur	Total TCDF	pg/L	2	2.14	4.558	2	100	3.35	--	--	0	NA	NA
Metals-Total	Aluminum	µg/L	8	160	2250	8	100	707.88	--	--	0	NA	NA
Metals-Total	Arsenic	µg/L	8	6.18	10.2	4	50.00	7.775	12.5	50	4	NA	NA
Metals-Total	Calcium	µg/L	8	41600	177000	8	100	124075	--	--	0	NA	NA
Metals-Total	Copper	µg/L	4	3.45	4.87	2	50.00	4.16	3	3	2	NA	NA
Metals-Total	Iron	µg/L	8	220	1400	8	100	548.88	--	--	0	NA	NA
Metals-Total	Lead	µg/L	8	1.15	5.54	8	100.00	2.69	--	--	0	NA	NA
Metals-Total	Magnesium	µg/L	8	306	512000	8	100	176738	--	--	0	NA	NA
Metals-Total	Manganese	µg/L	8	27.7	94	8	100	50.56	--	--	0	NA	NA
Metals-Total	Mercury	µg/L	25	0	0.52	25	100	0.11	--	--	0	NA	NA
Metals-Total	Nickel	µg/L	8	5.63	6.87	2	25.00	6.25	5	5	6	NA	NA

Revised Table A-4
Summary of Surface Water Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Max Det Exceeds Benchmark
Metals-Total	Potassium	µg/L	8	12800	197000	8	100	92700	--	--	0	NA	NA
Metals-Total	Selenium	µg/L	22	0.21	1.06	12	54.55	0.56	0.25	33	10	NA	NA
Metals-Total	Sodium	µg/L	11	3000	4930000	11	100	1869636	--	--	0	NA	NA
Metals-Total	Zinc	µg/L	8	9.29	51	8	100.00	29.05	--	--	0	NA	NA
Metals-Dissolved	Aluminum	µg/L	34	4.78	61	9	26.47	21.58	2.00	100	25	NA	NA
Metals-Dissolved	Barium	µg/L	1	90	90	1	100	90	--	--	0	NA	NA
Metals-Dissolved	Calcium	µg/L	38	153	232000	38	100	136386	--	--	0	NA	NA
Metals-Dissolved	Iron	µg/L	12	11.6	36.4	3	25	23.73	0.05	10	9	NA	NA
Metals-Dissolved	Magnesium	µg/L	37	5520	618000	37	100	238219	--	--	0	NA	NA
Metals-Dissolved	Manganese	µg/L	12	11.2	63	12	100	32.08	--	--	0	NA	NA
Metals-Dissolved	Potassium	µg/L	30	3080	206000	30	100	75108	--	--	0	NA	NA
Metals-Dissolved	Sodium	µg/L	30	77800	6045000	29	96.67	2640924	500	500	1	NA	NA
Chemical detected = NO Benchmark = NO													
Conventionals	Sulfide	mg/L	18	--	--	0	0	--	0.1	0.1	18	NA	NA
Metals-Total	Cadmium	µg/L	8			0	0.00		0.1	2	8	NA	NA
Metals-Total	Chromium	µg/L	8			0	0.00		6	6	8	NA	NA
Metals-Total	Silver	µg/L	8			0	0.00		0.5	8	8	NA	NA
Diox/Fur	1,2,3,4,6,7,8-HpCDF	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	1,2,3,4,7,8,9-HpCDF	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	1,2,3,4,7,8-HxCDD	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	1,2,3,6,7,8-HxCDD	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	1,2,3,6,7,8-HxCDF	pg/L	1	--	--	0	0	--	0.143	0.143	1	NA	NA
Diox/Fur	1,2,3,7,8,9-HxCDD	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	1,2,3,7,8,9-HxCDF	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	1,2,3,7,8-PeCDD	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	2,3,4,6,7,8-HxCDF	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	2,3,4,7,8-PeCDF	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
Diox/Fur	Total PeCDD	pg/L	2	--	--	0	0	--	0.142	0.143	2	NA	NA
TPH	TPH - Oil and grease	mg/L	18	--	--	0	0	--	5	5	18	NA	NA

Note:

Results for metals are summarized separately for the dissolved and total fractions.

Revised Table A-5
List of Preliminary Surface Water COPC and Basis for Selection

Group	Chemical	Basis
First-Tier Preliminary COPC		
Metals	Copper	EB
Metals	Nickel	EB
Metals	Mercury	BP
Metals	Selenium	BP
Second-Tier Preliminary COPC		
Conventionals	Ammonia	NB
Conventionals	Fluoride	NB
Conventionals	Nitrate + Nitrite	NB
Conventionals	Nitrate as Nitrogen	NB
Conventionals	Nitrite as Nitrogen	NB
Conventionals	ortho-Phosphate	NB
Conventionals	Phosphorus	NB
Conventionals	Sulfate	NB
Conventionals	Total Kjeldahl nitrogen	NB
Metals	Aluminum	NB
Metals	Barium	NB
Metals	Calcium	NB
Metals	Iron	NB
Metals	Magnesium	NB
Metals	Manganese	NB
Metals	Potassium	NB
Metals	Sodium	NB
Dioxins	Dioxin/furan congeners	NB; BP
Chemicals Not Considered COPC		
Metals	Arsenic	LB
Metals	Cadmium	LB
Metals	Chromium	LB
Metals	Lead	LB
Metals	Silver	LFD
Metals	Zinc	LB

Note:

LFD: Detected infrequently at low concentations and not considered to be site-related.

EB: Detected concentration exceeds benchmark

LB: Detected concentration (or maximum detection limit if not detected) is less than benchmark.

BP: Bioaccumulation potential

NB: No Benchmark

Revised Table A-6
Summary of Sediment Screening Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Exceeds Benchmark
Benchmark = YES													
Metals	Arsenic, Total	mg/kg	41	2	164	41	100	11.71			0	8.2	TRUE
Metals	Cadmium, Total	mg/kg	41	0.0872	1.84	39	95.12	0.78	0.13	0.135	2	1.2	TRUE
Metals	Chromium, Total	mg/kg	41	9.8	497	41	100	121.54	--	--	0	81	TRUE
Metals	Copper, Total	mg/kg	41	10.1	271	41	100	68.75	--	--	0	34	TRUE
Metals	Lead, Total	mg/kg	41	13.5	260	41	100	64.92	--	--	0	46.7	TRUE
Metals	Mercury, Total	mg/kg	41	0.0549	41.5	41	100	7.01	--	--	0	0.15	TRUE
Metals	Nickel, Total	mg/kg	41	7.4	156	41	100	33.58	--	--	0	20.9	TRUE
Metals	Silver, Total	mg/kg	41	0.129	62.8	31	75.61	2.62	0	0.215	10	1	TRUE
Metals	Zinc, Total	mg/kg	41	47.6	1750	41	100	373.49	--	--	0	150	TRUE
PCBs	Aroclor 1016	µg/kg	16	--	--	0	0	--	43	6000	16	22.7	TRUE *
PCBs	Aroclor 1221	µg/kg	16	--	--	0	0	--	50	12000	16	22.7	TRUE *
PCBs	Aroclor 1232	µg/kg	16	--	--	0	0	--	43	6000	16	22.7	TRUE *
PCBs	Aroclor 1242	µg/kg	16	--	--	0	0	--	43	6000	16	22.7	TRUE *
PCBs	Aroclor 1248	µg/kg	16	160	300000	14	87.5	26037.14	43	58	2	22.7	TRUE
PCBs	Aroclor 1254	µg/kg	16	--	--	0	0	--	43	6000	16	22.7	TRUE *
PCBs	Aroclor 1260	µg/kg	16	250	3400	7	43.75	1505.71	43	6000	9	22.7	TRUE
PCBs	Total PCBs (U=1/2; Max RL)	µg/kg	16	347.5	321000	14	87.5	28918.79	87	120	2	22.7	TRUE
Pesticides	4,4'-DDD	µg/kg	38	0.073	62	9	23.68	9.68	4.3	600	29	1.22	TRUE
Pesticides	4,4'-DDE	µg/kg	38	0.178	20.5	19	50	6.11	3	600	19	2.07	TRUE
Pesticides	4,4'-DDT	µg/kg	38	0.038	5.65	7	18.42	1.39	4.3	600	31	1.19	TRUE
Pesticides	alpha-Chlordane	µg/kg	38	0.112	5.5	14	36.84	1.56	2.2	310	24	2.26	TRUE
Pesticides	Dieldrin	µg/kg	16	--	--	0	0	--	4.3	600	16	72	TRUE *
Pesticides	gamma-BHC (Lindane)	µg/kg	16	0.86	10	2	12.5	5.43	2.2	310	14	0.32	TRUE
Pesticides	gamma-Chlordane	µg/kg	38	0.055	0.964	8	21.05	0.37	2.2	310	30	2.26	FALSE
Pesticides	Total Chlordane (a&g; U=1/2; Max RL)	µg/kg	38	0.29	22.5	15	39.47	9.55	2.2	310	23	2.26	TRUE
Pesticides	Total DDT (U=1/2; Max RL)	µg/kg	38	0.44	81	24	63.16	36.1	4.3	600	14	1.58	TRUE
SVOCs	Hexachlorobutadiene	µg/kg	41	35	30000	24	58.54	7924.65	20.5	25000	17	20	TRUE
SVOCs	Hexachloroethane	µg/kg	41	21.3	7100	20	48.78	1311.92	22.3	25000	21	180	TRUE
SVOCs	2-Methylnaphthalene	µg/kg	41	29.1	28000	33	80.49	2721.85	10.5	18000	8	70	TRUE
SVOCs	Acenaphthene	µg/kg	41	2.47	20000	40	97.56	2775.28	18000	18000	1	16	TRUE
SVOCs	Acenaphthylene	µg/kg	41	44.3	31000	35	85.37	3690.47	385	18000	6	44	TRUE
SVOCs	Anthracene	µg/kg	41	23.2	14000	38	92.68	1722.77	530	18000	3	85.3	TRUE
SVOCs	Benzo(a)anthracene	µg/kg	41	37	4400	35	85.37	1198.77	392	18000	6	260	TRUE
SVOCs	Benzo(a)pyrene	µg/kg	40	140	4400	31	77.5	1559.11	385	18000	10	430	TRUE
SVOCs	bis(2-Ethylhexyl)phthalate	µg/kg	40	157.8	14400	29	72.5	2855.96	392	16000	12	182	TRUE
SVOCs	Chrysene	µg/kg	40	60	6150	39	97.5	1680.53	18000	18000	2	384	TRUE
SVOCs	Dibenzo(a,h)anthracene	µg/kg	41	41.1	495.9	19	46.34	214.98	50.5	25000	22	63.4	TRUE
SVOCs	Fluoranthene	µg/kg	41	76.4	40000	40	97.56	5357.3	18000	18000	1	600	TRUE
SVOCs	Fluorene	µg/kg	41	18.1	21000	39	95.12	1989.24	530	18000	2	19	TRUE
SVOCs	Naphthalene	µg/kg	41	35.9	41500	32	78.05	2743.46	121	18000	9	160	TRUE
SVOCs	Phenanthrene	µg/kg	41	50	46800	40	97.56	6828.71	18000	18000	1	240	TRUE
SVOCs	Pyrene	µg/kg	41	58	98000	41	100	10808.15	--	--	0	665	TRUE
SVOCs	Total HPAHs (U=1/2; Max RL)	µg/kg	41	955	176300	41	100	29880.41	--	--	0	1700	TRUE
SVOCs	Total LPAHs (U=1/2; Max RL)	µg/kg	41	218	164500	40	97.56	19310.7	18000	18000	1	552	TRUE
SVOCs	Total PAHs (U=1/2; Max RL)	µg/kg	40	2549	263100	40	100	51282.5	--	--	0	4020	TRUE
VOCs	1,1,1-Trichloroethane	µg/kg	41	--	--	0	0	--	2	1100	41	300	TRUE *
VOCs	1,1,2,2-Tetrachloroethane	µg/kg	41	--	--	0	0	--	1.78	1100	41	610	TRUE *
VOCs	1,1-Dichloroethene	µg/kg	41	--	--	0	0	--	1.63	1100	41	15410	FALSE *
VOCs	1,2,4-Trimethylbenzene	µg/kg	21	51.6	51.6	1	4.76	51.6	5	100	20	2160	FALSE
VOCs	1,2-Dichlorobenzene	µg/kg	40	6.89	348	2	5	177.44	6	1100	38	740	FALSE

Revised Table A-6
Summary of Sediment Screening Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Exceeds Benchmark
VOCs	1,2-Dichloroethane	µg/kg	41	--	--	0	0	--	2.63	1100	41	4300	FALSE *
VOCs	1,2-Dichloropropane	µg/kg	41	--	--	0	0	--	1.58	1100	41	2820	FALSE *
VOCs	1,3-Dichlorobenzene	µg/kg	41	2	33000	29	70.73	2454.13	5	408	12	320	TRUE
VOCs	1,4-Dichlorobenzene	µg/kg	41	2	4980	25	60.98	684.48	6	408	16	700	TRUE
VOCs	4-Methyl-2-pentanone (MIBK)	µg/kg	38	--	--	0	0	--	13	1100	38	45340	FALSE *
VOCs	Acetone	µg/kg	38	205	205	1	2.63	205	13	2000	37	167230	FALSE
VOCs	Acrylonitrile	µg/kg	25	--	--	0	0	--	5.9	1000	25	170	TRUE *
VOCs	Benzene	µg/kg	41	2	494	15	36.59	160.01	3.65	100	26	140	TRUE
VOCs	Bromoform	µg/kg	41	--	--	0	0	--	1.24	1100	41	1780	FALSE *
VOCs	Carbon tetrachloride	µg/kg	41	--	--	0	0	--	1.74	1100	41	3670	FALSE *
VOCs	Chlorobenzene	µg/kg	41	1	2200	17	41.46	309.25	1.88	100	24	290	TRUE
VOCs	Chloroform	µg/kg	41	1	1	1	2.44	1	1.64	1100	40	4300	FALSE
VOCs	Chloromethane	µg/kg	41	--	--	0	0	--	1.99	1100	41	8740	FALSE *
VOCs	Ethylbenzene	µg/kg	41	4	650	12	29.27	172.92	1.8	100	29	650	FALSE
VOCs	Styrene	µg/kg	38	10	86	3	7.89	39.67	5	1100	35	3720	FALSE
VOCs	Tetrachloroethene	µg/kg	38	13	13	1	2.63	13	5	1100	37	3100	FALSE
VOCs	Toluene	µg/kg	38	2	950	11	28.95	181.89	5	100	27	940	TRUE
VOCs	Total xylene	µg/kg	38	2	3500	15	39.47	575.67	5	100	23	2540	TRUE
VOCs	Trichloroethene	µg/kg	25	--	--	0	0	--	1.9	100	25	1470	FALSE *
Chemical detected = YES Benchmark = NO													
Conventionals	Ammonia	mg/kg	3	39.7	362	3	100	178.57			0	NA	NA
Conventionals	Cyanide	mg/kg	16	0.26	1.01	7	43.75	0.56	0.03	0.08	9	NA	NA
Diox/Fur	1,2,3,4,6,7,8-HpCDD	ng/kg	22	15.6	1835	22	100	306.51			0	NA	NA
Diox/Fur	1,2,3,4,6,7,8-HpCDF	ng/kg	22	14.8	1763	22	100	432.08			0	NA	NA
Diox/Fur	1,2,3,4,7,8,9-HpCDF	ng/kg	22	1.41	190	22	100	56.9			0	NA	NA
Diox/Fur	1,2,3,4,7,8-HxCDD	ng/kg	22	1.34	20.1	15	68.18	5.83	0.52	7.24	7	NA	NA
Diox/Fur	1,2,3,4,7,8-HxCDF	ng/kg	22	7.99	898	22	100	191.33			0	NA	NA
Diox/Fur	1,2,3,6,7,8-HxCDD	ng/kg	22	1.75	67	20	90.91	13.39	0.46	2.95	2	NA	NA
Diox/Fur	1,2,3,6,7,8-HxCDF	ng/kg	22	1.95	227	22	100	58.19			0	NA	NA
Diox/Fur	1,2,3,7,8,9-HxCDD	ng/kg	22	2.69	36.5	17	77.27	12.68	0.52	3.07	5	NA	NA
Diox/Fur	1,2,3,7,8,9-HxCDF	ng/kg	22	1.02	28.1	14	63.64	8.52	0.36	7.27	8	NA	NA
Diox/Fur	1,2,3,7,8-PeCDD	ng/kg	22	0.829	9.75	6	27.27	3.53	0.21	5.81	16	NA	NA
Diox/Fur	1,2,3,7,8-PeCDF	ng/kg	22	1.42	560	22	100	108.82			0	NA	NA
Diox/Fur	2,3,4,6,7,8-HxCDF	ng/kg	22	0.526	42.7	22	100	12.71			0	NA	NA
Diox/Fur	2,3,4,7,8-PeCDF	ng/kg	22	1.54	156	21	95.45	42.3	1.33	1.33	1	NA	NA
Diox/Fur	2,3,7,8-TCDD	ng/kg	22	2.04	108	14	63.64	17.81	0.43	0.91	8	NA	NA
Diox/Fur	2,3,7,8-TCDF	ng/kg	22	1.23	424	22	100	66.94			0	NA	NA
Diox/Fur	OCDD	ng/kg	22	358	20048	22	100	3555			0	NA	NA
Diox/Fur	OCDF	ng/kg	22	78.3	92390	22	100	11446.1			0	NA	NA
Diox/Fur	Total D/F TEQ-Bird	ng/kg	22	5.68	783	22	100	166			0	NA	NA
Diox/Fur	Total D/F TEQ-Fish	ng/kg	22	2.73	312	22	100	77.91			0	NA	NA
Diox/Fur	Total D/F TEQ-Mammal	ng/kg	22	2.97	343	22	100	84.21			0	NA	NA
Metals	Aluminum	mg/kg	16	3690	10400	16	100	6623.75			0	NA	NA
Metals	Antimony	mg/kg	16	0.92	1.2	3	18.75	1.03	0.26	1.3	13	NA	NA
Metals	Barium	mg/kg	41	53.6	23500	41	100	889.01			0	NA	NA
Metals	Beryllium	mg/kg	16	0.37	1	13	81.25	0.64	0.195	0.345	3	NA	NA
Metals	Calcium	mg/kg	16	4730	232000	16	100	55443.75			0	NA	NA
Metals	Cobalt	mg/kg	16	2.6	14.2	16	100	7.98			0	NA	NA
Metals	Iron	mg/kg	41	4940	44600	41	100	14389.51			0	NA	NA
Metals	Magnesium	mg/kg	16	1380	8340	16	100	3290.62			0	NA	NA
Metals	Manganese	mg/kg	16	72.6	3500	16	100	381.88			0	NA	NA

Revised Table A-6
Summary of Sediment Screening Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Exceeds Benchmark
Metals	Potassium	mg/kg	16	369	1630	16	100	994.5			0	NA	NA
Metals	Selenium	mg/kg	41	0.344	2.56	25	60.98	0.87	0	1.05	16	NA	NA
Metals	Sodium	mg/kg	16	1840	12500	16	100	5278.75			0	NA	NA
Metals	Thallium	mg/kg	16	1	1.1	2	12.5	1.05	0	1.4	14	NA	NA
Metals	Vanadium	mg/kg	16	10.1	87.7	16	100	20.61			0	NA	NA
Pesticides	Aldrin	µg/kg	16	170	8200	3	18.75	2866.67	2.2	390	13	NA	NA
Pesticides	beta-BHC	µg/kg	16	6.9	7.6	2	12.5	7.25	2.2	310	14	NA	NA
Pesticides	delta-BHC	µg/kg	16	16	16	1	6.25	16	2.2	310	15	NA	NA
Pesticides	Endosulfan I	µg/kg	16	0.99	270	9	56.25	47.11	2.2	35	7	NA	NA
Pesticides	Endosulfan II	µg/kg	16	2.9	150	5	31.25	36.44	4.3	62000	11	NA	NA
Pesticides	Endrin	µg/kg	16	1.9	1000	9	56.25	174.99	4.3	75	7	NA	NA
Pesticides	Endrin ketone	µg/kg	16	2	100	11	68.75	21.01	4.3	13	5	NA	NA
Pesticides	Heptachlor	µg/kg	16	1.4	1100	4	25	281.33	2.2	39	12	NA	NA
Pesticides	Heptachlor Epoxide	µg/kg	38	0.278	1.26	4	10.53	0.61	2.2	310	34	NA	NA
Pesticides	Methoxychlor	µg/kg	16	9.5	290	5	31.25	78.9	22	390	11	NA	NA
SVOCs	1,1'-Biphenyl	µg/kg	16	48	12000	8	50	2535.75	520	18000	8	NA	NA
SVOCs	2,4-Dinitrotoluene	µg/kg	41	2.13	204	6	14.63	83.22	18.9	25000	35	NA	NA
SVOCs	2,6-Dinitrotoluene	µg/kg	41	90.2	23000	9	21.95	2775.13	19.8	25000	32	NA	NA
SVOCs	2-Chloronaphthalene	µg/kg	41	2.24	47.2	7	17.07	14.76	10.8	25000	34	NA	NA
SVOCs	3,3'-Dichlorobenzidine	µg/kg	40	0.151	216	9	22.5	83.15	20.1	25000	32	NA	NA
SVOCs	4-Bromophenyl-phenylether	µg/kg	41	361	361	1	2.44	361	14.4	25000	40	NA	NA
SVOCs	4-Chloroaniline	µg/kg	16	220	460	2	12.5	340	430	25000	14	NA	NA
SVOCs	4-Chlorophenyl-phenylether	µg/kg	41	146	146	1	2.44	146	20.9	25000	40	NA	NA
SVOCs	4-Methylphenol	µg/kg	16	290	290	1	6.25	290	430	25000	15	NA	NA
SVOCs	4-Nitrophenol	µg/kg	16	2600	2600	1	6.25	2600	1100	62000	15	NA	NA
SVOCs	Acetophenone	µg/kg	16	39	290	4	25	121	430	25000	12	NA	NA
SVOCs	Azobenzene	µg/kg	23	10.9	30.6	2	8.7	20.75	16.7	408	21	NA	NA
SVOCs	Benzaldehyde	µg/kg	16	43	43	1	6.25	43	430	25000	15	NA	NA
SVOCs	Benzidine	µg/kg	25	119	776	9	36	288.89	31	408	16	NA	NA
SVOCs	Benzo(b)fluoranthene	µg/kg	40	47	3670	35	87.5	1127.06	400	25000	6	NA	NA
SVOCs	Benzo(g,h,i)perylene	µg/kg	40	100	14000	35	87.5	2089.52	400	25000	6	NA	NA
SVOCs	Benzo(k)fluoranthene	µg/kg	41	33	3750	36	87.8	1006.86	400	25000	5	NA	NA
SVOCs	bis(2-Chloroethoxy)methane	µg/kg	41	0.327	55.6	5	12.2	21.51	29.1	25000	36	NA	NA
SVOCs	bis(2-Chloroethyl)ether	µg/kg	41	0.672	1530	9	21.95	351.44	27.9	25000	32	NA	NA
SVOCs	bis(2-Chloroisopropyl)ether	µg/kg	41	9.16	1970	15	36.59	363.06	12.1	25000	26	NA	NA
SVOCs	Butylbenzylphthalate	µg/kg	41	0.578	485	18	43.9	117.29	16.9	25000	23	NA	NA
SVOCs	Carbazole	µg/kg	16	70	200	2	12.5	135	430	25000	14	NA	NA
SVOCs	Dibenzofuran	µg/kg	16	57	3300	3	18.75	1146	430	25000	13	NA	NA
SVOCs	Diethylphthalate	µg/kg	41	0.176	436.2	20	48.78	127.15	17.4	25000	21	NA	NA
SVOCs	Dimethylphthalate	µg/kg	25	5.45	2000	7	28	322.64	16.4	408	18	NA	NA
SVOCs	Di-n-butylphthalate	µg/kg	41	3.88	487	16	39.02	132.34	60.1	25000	25	NA	NA
SVOCs	Di-n-octylphthalate	µg/kg	40	15.3	295	20	50	56.34	14.7	25000	21	NA	NA
SVOCs	Hexachlorobenzene	µg/kg	41	13.8	129000	27	65.85	8046.3	24.9	25000	14	NA	NA
SVOCs	Indeno(1,2,3-cd)pyrene	µg/kg	16	86	3700	11	68.75	1228.73	530	25000	5	NA	NA
SVOCs	n-Nitrosodiphenylamine	µg/kg	16	470	470	1	6.25	470	430	25000	15	NA	NA
SVOCs	Pentachlorophenol	µg/kg	16	3100	3100	1	6.25	3100	1100	62000	15	NA	NA
SVOCs	Phenol	µg/kg	16	67	67	1	6.25	67	430	25000	15	NA	NA
VOCs	1,1-Dichloroethane	µg/kg	41	2	24.1	2	4.88	13.05	1.46	1100	39	NA	NA
VOCs	1,1-Dichloropropene	µg/kg	22	8.1	8.1	1	4.55	8.1	5	100	21	NA	NA
VOCs	1,3,5-Trimethylbenzene	µg/kg	22	46.3	46.3	1	4.55	46.3	5	100	21	NA	NA
VOCs	2-Butanone (MEK)	µg/kg	38	7	45	8	21.05	20.5	13	2000	30	NA	NA

Revised Table A-6
Summary of Sediment Screening Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Exceeds Benchmark
VOCs	4-Isopropyltoluene	µg/kg	22	20.3	20.3	1	4.55	20.3	5	100	21	NA	NA
VOCs	Carbon disulfide	µg/kg	38	8	420	7	18.42	164.86	5	1100	31	NA	NA
VOCs	Cyclohexane	µg/kg	16	2	390	3	18.75	132	13	1100	13	NA	NA
VOCs	Dichloromethane	µg/kg	41	11	11	1	2.44	11	1.86	1100	40	NA	NA
VOCs	Isopropylbenzene	µg/kg	38	6	29000	22	57.89	2466.51	3.65	16	16	NA	NA
VOCs	Methyl cyclohexane	µg/kg	16	3	620	12	75	213.58	13	16	4	NA	NA
VOCs	n-Butylbenzene	µg/kg	22	176	176	1	4.55	176	5	100	21	NA	NA
VOCs	n-Hexane	µg/kg	22	24.9	24.9	1	4.55	24.9	12	400	21	NA	NA
VOCs	n-Propylbenzene	µg/kg	22	66	180	2	9.09	123	5	100	20	NA	NA
VOCs	sec-Butylbenzene	µg/kg	22	10	109	2	9.09	59.5	5	100	20	NA	NA
VOCs	tert-Butylbenzene	µg/kg	22	40.9	108	2	9.09	74.45	5	50	20	NA	NA
VOCs	Trichloroethane	µg/kg	16	1	18	4	25	5.75	13	1100	12	NA	NA
VOCs	Trichlorofluoromethane	µg/kg	38	2	26	4	10.53	13	5	1100	34	NA	NA
VOCs	Vinyl chloride	µg/kg	41	13	13	1	2.44	13	2	1100	40	NA	NA
Chemical detected = NO Benchmark = NO													
Pesticides	alpha-BHC	µg/kg	16	--	--	0	0	--	2.2	310	16	NA	NA
Pesticides	Endosulfan Sulfate	µg/kg	16	--	--	0	0	--	4.1	600	16	NA	NA
Pesticides	Endrin aldehyde	µg/kg	16	--	--	0	0	--	4.3	600	16	NA	NA
Pesticides	Toxaphene	µg/kg	38	--	--	0	0	--	110	35000	38	NA	NA
SVOCs	1,2,4-Trichlorobenzene	µg/kg	38	--	--	0	0	--	5	1100	38	NA	NA
SVOCs	1,2-Diphenylhydrazine	µg/kg	13	--	--	0	0	--	22.6	408	13	NA	NA
SVOCs	2,4,5-Trichlorophenol	µg/kg	16	--	--	0	0	--	1100	62000	16	NA	NA
SVOCs	2,4,6-Trichlorophenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	2,4-Dichlorophenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	2,4-Dimethylphenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	2,4-Dinitrophenol	µg/kg	16	--	--	0	0	--	650	62000	16	NA	NA
SVOCs	2-Chlorophenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	2-Methylphenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	2-Nitroaniline	µg/kg	16	--	--	0	0	--	1100	62000	16	NA	NA
SVOCs	2-Nitrophenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	3-Nitroaniline	µg/kg	16	--	--	0	0	--	1100	62000	16	NA	NA
SVOCs	4,6-Dinitro-2-methylphenol	µg/kg	16	--	--	0	0	--	530	62000	16	NA	NA
SVOCs	4-Chloro-3-methylphenol	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	4-Nitroaniline	µg/kg	16	--	--	0	0	--	1100	62000	16	NA	NA
SVOCs	Atrazine	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	Caprolactam	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	Hexachlorocyclopentadiene	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	Isophorone	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	Nitrobenzene	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	n-Nitroso-di-n-propylamine	µg/kg	16	--	--	0	0	--	430	25000	16	NA	NA
SVOCs	Toxaphene	µg/kg	38	--	--	0	0	--	110	35000	38	NA	NA
VOCs	1,1,1,2-Tetrachloroethane	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	1,1,2-Trichloroethane	µg/kg	41	--	--	0	0	--	1.72	1100	41	NA	NA
VOCs	1,2,3-Trichloropropane	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	1,2-Dibromo-3-chloropropane	µg/kg	38	--	--	0	0	--	5	1100	38	NA	NA
VOCs	1,2-Dibromoethane	µg/kg	16	--	--	0	0	--	13	1100	16	NA	NA
VOCs	1,3-Dichloropropane	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	2,2-Dichloropropane	µg/kg	22	--	--	0	0	--	3.65	100	22	NA	NA
VOCs	2-Chloroethylvinylether	µg/kg	25	--	--	0	0	--	5	100	25	NA	NA
VOCs	2-Chlorotoluene	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	2-Hexanone	µg/kg	38	--	--	0	0	--	13	1100	38	NA	NA

Revised Table A-6
Summary of Sediment Screening Results for Preliminary COPC Selection

Group	Chemical Name	Units	Number of Samples	Minimum Detect	Maximum Detect	Number of Detects	Frequency of Detection (%)	Average Detection	Minimum Non Detect	Maximum Non Detect	Number of Non Detects	Benchmark Value	Exceeds Benchmark
VOCs	4-Chlorotoluene	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	Acrolein	µg/kg	25	--	--	0	0	--	13.47	1000	25	NA	NA
VOCs	Bromobenzene	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	Bromochloromethane	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	Bromodichloromethane	µg/kg	41	--	--	0	0	--	1.76	1100	41	NA	NA
VOCs	Bromomethane	µg/kg	41	--	--	0	0	--	4.63	1100	41	NA	NA
VOCs	Chloroethane	µg/kg	41	--	--	0	0	--	2.13	1100	41	NA	NA
VOCs	cis-1,2-Dichloroethene	µg/kg	38	--	--	0	0	--	5	1100	38	NA	NA
VOCs	cis-1,3-Dichloropropene	µg/kg	41	--	--	0	0	--	1.6	1100	41	NA	NA
VOCs	Dibromochloromethane	µg/kg	41	--	--	0	0	--	1.39	1100	41	NA	NA
VOCs	Dibromomethane	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA
VOCs	Dichlorodifluoromethane	µg/kg	38	--	--	0	0	--	5	1100	38	NA	NA
VOCs	Methyl acetate	µg/kg	16	--	--	0	0	--	13	8700	16	NA	NA
VOCs	Methyltert-butylether	µg/kg	16	--	--	0	0	--	13	1100	16	NA	NA
VOCs	trans-1,2-Dichloroethene	µg/kg	38	--	--	0	0	--	3.65	1100	38	NA	NA
VOCs	trans-1,3-Dichloropropene	µg/kg	41	--	--	0	0	--	1.69	1100	41	NA	NA
VOCs	Trichlorotrifluoroethane	µg/kg	16	--	--	0	0	--	13	1100	16	NA	NA
VOCs	Vinyl Acetate	µg/kg	22	--	--	0	0	--	5	100	22	NA	NA

Note:
NA - Not applicable
a - Based on maximum detected concentration
* - Compared to detection limit

Revised Table A-7
List of Preliminary Sediment COPC and Basis for Selection

Group	Chemical	Basis
First-Tier Preliminary COPC		
Metals	Arsenic	EB, BP
Metals	Cadmium	EB, BP
Metals	Chromium	EB, BP
Metals	Copper	EB, BP
Metals	Lead	EB, BP
Metals	Mercury	EB, BP
Metals	Nickel	EB, BP
Metals	Selenium	BP
Metals	Silver	EB
Metals	Zinc	EB, BP
PCBs	Aroclor 1016	RC, BP
PCBs	Aroclor 1221	RC, BP
PCBs	Aroclor 1232	RC, BP
PCBs	Aroclor 1242	RC, BP
PCBs	Aroclor 1248	EB, BP
PCBs	Aroclor 1254	RC, BP
PCBs	Aroclor 1260	EB, BP
PCBs	PCB congeners	RC, BP
PCBs	Total PCB Aroclors	EB, BP
Dioxin/Furans	Dioxin/furan congeners	BP
Pesticides	4,4'-DDD	EB, BP
Pesticides	4,4'-DDE	EB, BP
Pesticides	4,4'-DDT	EB, BP
Pesticides	Aldrin	BP
Pesticides	Endrin	BP
Pesticides	Heptachlor	BP
Pesticides	Heptachlor Epoxide	BP
Pesticides	alpha-Chlordane	EB, BP
Pesticides	gamma-BHC (Lindane)	EB, BP
Pesticides	beta-BHC	BP
Pesticides	delta-BHC	BP
Pesticides	Endosulfan I	BP
Pesticides	Endosulfan II	BP
Pesticides	gamma-Chlordane	RC, BP
Pesticides	Methoxychlor	BP
Pesticides	Total Chlordane (a&g)	EB, BP
Pesticides	Total DDT	EB, BP
SVOCs	2-Methylnaphthalene	EB, BP
SVOCs	Acenaphthene	EB, BP
SVOCs	Acenaphthylene	EB, BP
SVOCs	Anthracene	EB, BP
SVOCs	Benzo(a)anthracene	EB, BP
SVOCs	Benzo(a)pyrene	EB, BP
SVOCs	Benzo(b)fluoranthene	RC, BP
SVOCs	Benzo(g,h,i)perylene	RC, BP
SVOCs	Benzo(k)fluoranthene	RC, BP
SVOCs	bis(2-Ethylhexyl)phthalate	EB
SVOCs	Chrysene	EB, BP
SVOCs	Dibenzo(a,h)anthracene	EB, BP

Revised Table A-7
List of Preliminary Sediment COPC and Basis for Selection

Group	Chemical	Basis
SVOCs	Fluoranthene	EB, BP
SVOCs	Fluorene	EB, BP
SVOCs	Hexachlorobenzene	MD, BP
SVOCs	Hexachlorobutadiene	EB, BP
SVOCs	Hexachloroethane	EB, BP
SVOCs	Indeno(1,2,3-cd)pyrene	RC, BP
SVOCs	Naphthalene	EB
SVOCs	Pentachlorophenol	BP
SVOCs	Phenanthrene	EB, BP
SVOCs	Pyrene	EB, BP
SVOCs	Total HPAHs (U=1/2; Max RL)	EB, BP
SVOCs	Total LPAHs (U=1/2; Max RL)	EB, BP
SVOCs	Total PAHs (U=1/2; Max RL)	EB, BP
VOCs	1,2-Dichlorobenzene	BP
VOCs	1,3-Dichlorobenzene	EB, BP
VOCs	1,4-Dichlorobenzene	EB, BP
VOCs	Benzene	EB
VOCs	Chlorobenzene	EB
VOCs	Toluene	EB
VOCs	Total xylene	EB
Second-Tier Preliminary COPC		
Conventionals	Ammonia	NB
Conventionals	Cyanide	NB
Metals	Aluminum	NB
Metals	Antimony	NB
Metals	Barium	NB
Metals	Beryllium	NB
Metals	Calcium metal	NB
Metals	Cobalt	NB
Metals	Iron	NB
Metals	Magnesium	NB
Metals	Manganese	NB
Metals	Potassium	NB
Metals	Sodium	NB
Metals	Thallium	NB
Metals	Vanadium	NB
Pesticides	Endrin aldehyde	NB
Pesticides	Endrin ketone	NB
SVOCs	1,1'-Biphenyl	NB
SVOCs	2,6-Dinitrotoluene	NB
SVOCs	2,4-Dinitrotoluene	NB
SVOCs	2-Chloronaphthalene	NB
SVOCs	3,3'-Dichlorobenzidine	NB
SVOCs	4-Chloroaniline	NB
SVOCs	4-Chlorophenyl-phenylether	NB
SVOCs	Acetophenone	NB
SVOCs	Azobenzene	NB
SVOCs	Benzaldehyde	NB
SVOCs	Benzidine	NB
SVOCs	bis(2-Chloroethoxy)methane	NB

Revised Table B-1
Comparison of Second-Tier Surface Water PCOPCs to Segment and Basin Wide Data

Chemical	Units	Patrick Bayou							Segments 1006 and 1005							COPC
		Number of Samples	Minimum	Maximum	Median	Mean	Standard Devation	90th Percentile	Number of Samples	Minimum	Maximum	Median	Mean	Standard Devation	90th Percentile	
Aluminum, Dissolved	µg/L	34	1.00	61.0	13.0	23.8	19.7	50.0	63	1.00	367	17.0	34.6	53.3	61.2	No
Ammonia, Total	mg/L	14	0.0250	1.31	0.360	0.413	0.331	0.734	2232	0.00500	18.5	0.200	0.436	0.986	0.900	No
Calcium, Dissolved	mg/L	38	0.153	232	136	136	59.7	221	58	22.6	361	138	133	69.6	215	No
Fluoride, Total	mg/L	8	0.400	0.780	0.555	0.576	0.120	0.756	837	0.0800	6.33	0.400	0.446	0.375	0.700	No
Iron, Dissolved	µg/L	12	0.0250	36.4	5.00	8.44	10.8	27.2	16	0.0250	61.0	5.00	9.42	15.3	22.9	No
Magnesium, Dissolved	mg/L	37	5.52	618	187	238	205	547	58	5.91	781	296	291	202	567	No
Manganese, Dissolved	µg/L	12	11.2	63.0	31.5	32.1	14.6	51.3	16	7.00	66.5	25.5	28.4	18.4	61.5	No
Nitrate as N	mg/L	22	2.31	35.0	5.75	9.58	10.0	28.5	374	0.100	10.6	1.60	2.38	2.37	5.81	Yes
Nitrite as N	mg/L	4	0.0500	0.500	0.115	0.195	0.212	0.500	61	0.0250	1.20	0.100	0.167	0.188	0.354	No
ortho-Phosphate, Total	mg/L	12	0.0600	1.07	0.405	0.480	0.329	0.951	134	0.0200	2.44	0.310	0.510	0.504	1.27	No
Phosphorus, Total	mg/L	32	0.380	2.85	0.745	0.929	0.560	1.61	765	0.0300	7.13	0.420	0.625	0.580	1.41	No
Potassium, Dissolved	mg/L	30	3.08	206	58.0	75.1	62.7	161	20	3.17	225	53.5	90.1	77.1	179	No
Sodium, Dissolved	mg/L	30	0.250	6050	2320	2550	1810	5060	20	47.7	5500	1560	2140	1820	4410	No
Total Kjeldahl Nitrogen, Total	mg/L	32	0.610	4.40	2.40	2.33	1.04	4.10	282	0.410	3.90	1.00	1.09	0.463	1.51	Yes

Note:

Includes samples collected 1996-2006

Non-detects included at one half detection limit

Table B-2 Sediment COPC Refinement: SQGs
Replaced; See Addendum Table 3-1

Table B-3 Sediment First-Tier COPC Refinement: Site-Specific Toxicity
Replaced; See Addendum Table 3-2

Table B-4 Sediment Second-Tier COPC Refinement
Replaced; See Addendum Table 3-2

Table B-5 Summary of PAH and Metal Mixture ESB Results in Surface Sediment and Porewater
Removed

Table B-6 Comparison of Porewater Results to Water Quality Criteria
Replaced; See Addendum Table 3-3

Table B-7 Summary of Risk Scores for Sediment COPC Weight-of-Evidence Evaluation
Replaced; See Addednum Table 3-4

Table B-8 Comparison of Porewater Data to Aquatic Plant Lower Chronic Thresholds
Replaced; See Addendum Table 3-5

Table B-9 Summary of surface water and sediment COPC for aquatic receptors
Removed

Revised Table C-1
Bioaccumulative COPC Refinement: No Effect Screening Values for Fish

Chemical Class	Chemical[a]	No Effect-Equivalent Tissue Residue Effect Concentrations (ww)[b]	
		Fish	Source
Metals (mg/kg)	Arsenic	0.341	ERED; LOED/10; NOED > LOED
	Cadmium	0.00549	ERED
	Chromium	1.07	ERED
	Copper	3.41	ERED
	Lead	1.58	ERED
	Mercury	1.56	ERED
	Nickel	NV	
	Selenium	1.34	ERED
	Zinc	39.4	ERED
PAHs (µg/kg)	2-Methylnaphthalene	659	ERED, PAH used as surrogate
	Acenaphthene	3500	ERED
	Acenaphthylene	659	ERED, PAH used as surrogate
	Anthracene	659	ERED, PAH used as surrogate
	Benzo(a)anthracene	659	ERED, PAH used as surrogate
	Benzo(a)pyrene	12300	ERED
	Benzo(b)fluoranthene	659	ERED, PAH used as surrogate
	Benzo(g,h,i)perylene	659	ERED, PAH used as surrogate
	Benzo(k)fluoranthene	659	ERED, PAH used as surrogate
	Chrysene	NV	ERED, PAH used as surrogate
	Dibenzo(a,h)anthracene	659	ERED, PAH used as surrogate
	Fluoranthene	659	ERED, PAH used as surrogate
	Fluorene	659	ERED, PAH used as surrogate
	Indeno(1,2,3-cd)pyrene	659	ERED, PAH used as surrogate
	Naphthalene	1700	ERED; LOED Based
	Phenanthrene	36600	ERED
	Pyrene	659	ERED, PAH used as surrogate
	Total HPAH 16	659	ERED, PAH used as surrogate
	Total LPAH 16	659	ERED, PAH used as surrogate
	Total PAH 16	659	ERED, PAH used as surrogate
PCBs (µg/kg)	Aroclor 1248	NV	
	Aroclor 1254	17300	ERED
	Aroclor 1260	NV	
	PCB congeners	769	ERED; 'PCB' used as surrogate; LOED/10; NOED > LOED
	Total PCB Aroclors	769	ERED; 'PCB' used as surrogate; LOED/10; NOED > LOED
Dioxin/Furans (ng/kg)	Dioxin/furan congeners	87.8	ERED; LOED/10; NOED > LOED
Pesticides (µg/kg)	4,4'-DDD	60.0	ERED; LOED/10; NOED > LOED
	4,4'-DDE	81.0	ERED; LOED/10; NOED > LOED
	4,4'-DDT	6140	ERED
	Aldrin	157	ERED
	Endrin	306	ERED
	alpha-Chlordane	381	ERED; 'Chlordane' used as surrogate
	gamma-BHC (Lindane)	4830	ERED
	Endosulfan I	195	ERED; 'Endosulfan' used as surrogate
	Endosulfan II	195	ERED; 'Endosulfan' used as surrogate
	gamma-Chlordane	381	ERED; 'Chlordane' used as surrogate
	Methoxychlor	180	ERED
	Total Chlordane (alpha & gamma)	381	ERED; 'Chlordane' used as surrogate
	Total DDT	NV	

Revised Table C-1
Bioaccumulative COPC Refinement: No Effect Screening Values for Fish

Chemical Class	Chemical[a]	No Effect-Equivalent Tissue Residue Effect Concentrations (ww)[b]	
		Fish	Source
SVOCs (µg/kg)	Hexachlorobenzene	NV	
	Hexachlorobutadiene	2580	ERED; LOED Based
	Hexachloroethane	NV	
VOCs (µg/kg)	1,2-Dichlorobenzene	700	ERED
	1,3-Dichlorobenzene	68800	ERED
	1,4-Dichlorobenzene	33700	ERED

Note

a - Chemicals in this screening table are those identified as potential bioaccumulatives in the preliminary COPC screening (Appendix A) and were detected at least once in the surface sediment data set.

(http://el.erdc.usace.army.mil/ered/). Benchmarks are the geometric mean of no effect concentrations associated with endpoints of growth, reproduction, or survivability. If the NOED geomean exceeded the LOED geomean, the NV - No Values in ERED that met requirements for use in screening.

Revised Table C-2
Bioaccumulative COPC Refinement: Low Effect Screening Values for Fish

Chemical Class	Chemical[a]	Low Effect-Equivalent Tissue Residue Effect Concentrations (ww)[b]	
		Fish	Source
Metals (mg/kg)	Arsenic	3.41	ERED
	Cadmium	2.29	ERED
	Chromium	5.33	ERED; NOED Based
	Copper	9.65	ERED
	Lead	4.00	ERED
	Mercury	3.37	ERED
	Nickel	NV	
	Selenium	1.90	ERED
	Zinc	80.0	ERED
PAHs (µg/kg)	2-Methylnaphthalene	3290	ERED, PAH used as surrogate
	Acenaphthene	17500	ERED; NOED Based
	Acenaphthylene	3290	ERED, PAH used as surrogate
	Anthracene	3290	ERED, PAH used as surrogate
	Benzo(a)anthracene	3290	ERED, PAH used as surrogate
	Benzo(a)pyrene	61700	ERED; NOED Based
	Benzo(b)fluoranthene	3290	ERED, PAH used as surrogate
	Benzo(g,h,i)perylene	3290	ERED, PAH used as surrogate
	Benzo(k)fluoranthene	3290	ERED, PAH used as surrogate
	Chrysene	NV	ERED, PAH used as surrogate
	Dibenzo(a,h)anthracene	3290	ERED, PAH used as surrogate
	Fluoranthene	3290	ERED, PAH used as surrogate
	Fluorene	3290	ERED, PAH used as surrogate
	Indeno(1,2,3-cd)pyrene	3290	ERED, PAH used as surrogate
	Naphthalene	17000	ERED
	Phenanthrene	183000	ERED; NOED Based
	Pyrene	3290	ERED, PAH used as surrogate
	Total HPAH 16	3290	ERED, PAH used as surrogate
	Total LPAH 16	3290	ERED, PAH used as surrogate
	Total PAH 16	3290	ERED, PAH used as surrogate
PCBs (µg/kg)	Aroclor 1248	NV	
	Aroclor 1254	33800	ERED
	Aroclor 1260	NV	
	PCB congeners	7690	ERED; 'PCB' used as surrogate
	Total PCB Aroclors	7690	ERED; 'PCB' used as surrogate
Dioxin/Furans (ng/kg)	Dioxin/furan congeners	878	ERED
Pesticides (µg/kg)	4,4'-DDD	600	ERED
	4,4'-DDE	810	ERED
	4,4'-DDT	11100	ERED
Pesticides (µg/kg)	Aldrin	785	ERED
	Endrin	417	ERED
	alpha-Chlordane	14100	ERED; 'Chlordane' used as surrogate
	gamma-BHC (Lindane)	9530	ERED
	Endosulfan I	975	ERED; 'Endosulfan' used as surrogate
	Endosulfan II	975	ERED; 'Endosulfan' used as surrogate
	gamma-Chlordane	14100	ERED; 'Chlordane' used as surrogate
	Methoxychlor	902	ERED; NOED Based
	Total Chlordane (alpha & gamma)	14100	ERED; 'Chlordane' used as surrogate
	Total DDT	NV	

Revised Table C-2
Bioaccumulative COPC Refinement: Low Effect Screening Values for Fish

Chemical Class	Chemical[a]	Low Effect-Equivalent Tissue Residue Effect Concentrations (ww)[b]	
		Fish	Source
SVOCs (µg/kg)	Hexachlorobenzene	NV	
	Hexachlorobutadiene	25800	ERED
	Hexachloroethane	NV	
VOCs (µg/kg)	1,2-Dichlorobenzene	3500	ERED; NOED Based
	1,3-Dichlorobenzene	170000	ERED
	1,4-Dichlorobenzene	103000	ERED

Note

a - Chemicals in this screening table are those identified as potential bioaccumulatives in the preliminary COPC screening (Appendix A) and were detected at least once in the surface sediment data set.

b - Low Effect fish whole-body tissue residue concentrations compiled from the ERED (http://el.erdc.usace.army.mil/ered/). Benchmarks are the geometric mean of effect concentrations associated with adverse effects on growth, reproduction, or survivability. NOED-based results multipled by a safety factor of 5 when a LOED value was not available given data requirements.

NV - No Values in ERED that met requirements for use in screening.

AWQC-derived - Value derived from an AWQC and BCF for the chemical, as reported in MESL (2002).

Table C-3 Food Factor Calculations for Wildlife Dietary-Based Toxicity Reference Values
Removed

Table C-4 Derivation of Tissue Benchmarks for Avian Receptors
Replaced; See Addendum Table 4-6

Table C-5 Derivation of Tissue Benchmarks for Mammlian Receptors
Replaced; See Addendum Tables 4-7 and 4-8

Table C-6
Moved; See Addendum Table 4-4

Table C-7
Removed. No longer applicable

Table C-8 Bioaccumulative COPC Refinement: BSAF Summary
Replaced; See Attachment B Tables 1 through 6

Table C-9 Bioaccumulative COPC Refinement: Screening Results for Carnivorous Fish
Replaced; See Attachment B Table 14

Table C-10 Bioaccumulative COPC Refinement: Screening Results for Sediment Probing Birds
Replaced; See Attachment B Tables 7 through 10

Table C-11 Bioaccumulative COPC Refinement: Screening Results for Mammals
Replaced; See Attachmet B Tables 11-13

Table C-12 Bioaccumulative COC Selection Summary
Replaced; See Addendum Table 4-9

ATTACHMENT B

TENTATIVELY IDENTIFIED CHEMICALS RESULTS

Attachment B
Tentatively Identified Chemical Results

Agency/Entity	Activity	Station ID	Sample IDa	Sample Date	Tenatively Identfied Chemical	Analytical Method	Result	Qualifier	Units
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	2-Ethylhexyl 2-ethylhexanoate	ABN 8270 Routine List	5280		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	C29H50 Hopane	ABN 8270 Routine List	4520		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	C30H52 Hopane	ABN 8270 Routine List	3990		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Diphenoxybiphenyl isomer	ABN 8270 Routine List	8430		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	ABN 8270 Routine List	436	U	µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Nonyl phenol isomer	ABN 8270 Routine List	3680		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Substituted phenol isomer	ABN 8270 Routine List	3230		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Sulfur, mol. (S8)	ABN 8270 Routine List	65800		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 10.15	ABN 8270 Routine List	4140		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 10.88	ABN 8270 Routine List	4220		µg/kg
TCEQ/EPA	SS	4A	4A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 17.28	ABN 8270 Routine List	3440		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	C30H52 Hopane	ABN 8270 Routine List	2920		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	DIPHENYL ETHER	ABN 8270 Routine List	9500		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	ABN 8270 Routine List	1600		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene, 1-methyl-	ABN 8270 Routine List	3220		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Phenol, 4,4'-(1-methylethylidene)bis-	ABN 8270 Routine List	9450		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Sulfur, mol. (S8)	ABN 8270 Routine List	34000		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 10.16	ABN 8270 Routine List	5300		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 10.60	ABN 8270 Routine List	6980		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 10.88	ABN 8270 Routine List	4700		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 11.31	ABN 8270 Routine List	3730		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Vitamin e	ABN 8270 Routine List	3580		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	1,1'-oxybis-benzene	VOA 8260 Routine List	1020		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	VOA 8260 Routine List	361		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown 1H-indole isomer @ ...	VOA 8260 Routine List	358		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown cyclic hydrocarbon ...	VOA 8260 Routine List	659		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 11.16	VOA 8260 Routine List	359		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 11.98	VOA 8260 Routine List	430		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 12.17	VOA 8260 Routine List	988		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 13.89	VOA 8260 Routine List	350		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 14.04	VOA 8260 Routine List	360		µg/kg
TCEQ/EPA	SS	6A	6A-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 16.33	VOA 8260 Routine List	659		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	4H-Cyclopenta[def]phenanthrene	ABN 8270 Routine List	1710		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Diphenoxybiphenyl isomer	ABN 8270 Routine List	3160		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	DIPHENYL ETHER	ABN 8270 Routine List	3470		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	ABN 8270 Routine List	278	U	µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Phenol, 4,4'-(1-methylethylidene)bis-	ABN 8270 Routine List	1380		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Sulfur, mol. (S8)	ABN 8270 Routine List	18900		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 10.88	ABN 8270 Routine List	3140		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 11.30	ABN 8270 Routine List	2040		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 11.99	ABN 8270 Routine List	1910		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 16.93	ABN 8270 Routine List	1090		µg/kg
TCEQ/EPA	SS	3	3-8/12/2003-EPA/TCEQ	8/12/03	Unknown @ 17.66	ABN 8270 Routine List	1810		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	2,2'-Methylenebis(4-methyl-6-tert-butylphenol)	ABN 8270 Routine List	601		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Hexadecanoic acid	ABN 8270 Routine List	1010		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	ABN 8270 Routine List	229	U	µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Octadecanoic acid	ABN 8270 Routine List	964		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Phenol, 4,4'-(1-methylethylidene)bis-	ABN 8270 Routine List	1190		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Sulfur (S6)	ABN 8270 Routine List	2980		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Sulfur, mol. (S8)	ABN 8270 Routine List	36900		µg/kg

Attachment B
Tentatively Identified Chemical Results

Agency/Entity	Activity	Station ID	Sample IDa	Sample Date	Tenatively Identfied Chemical	Analytical Method	Result	Qualifier	Units
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	Unknown phthalate	ABN 8270 Routine List	3940		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	unknown cyclic hydrocarbon ...	VOA 8260 Routine List	345		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 12.17	VOA 8260 Routine List	306		µg/kg
TCEQ/EPA	SS	7	7-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 16.30	VOA 8260 Routine List	363		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	9,10-Anthracenedione	ABN 8270 Routine List	450		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	C17H12 PAH	ABN 8270 Routine List	772		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	C20H12 PAH	ABN 8270 Routine List	1200		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	C29H50 Hopane	ABN 8270 Routine List	489		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	C30H52 Hopane	ABN 8270 Routine List	782		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	Hexadecanoic acid	ABN 8270 Routine List	504		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	ABN 8270 Routine List	221	U	µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	Phenol, 4,4'-(1-methylethylidene)bis-	ABN 8270 Routine List	992		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	Sulfur (S6)	ABN 8270 Routine List	8970		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	Sulfur, mol. (S8)	ABN 8270 Routine List	37800		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	Unknown paraffin	ABN 8270 Routine List	604		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	benzene isomer (C9H12) @ 10.83	VOA 8260 Routine List	261		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	benzene isomer (C9H12) @ 11.29	VOA 8260 Routine List	436		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	unknown cyclic hydrocarbon @ 12.50	VOA 8260 Routine List	495		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 11.98	VOA 8260 Routine List	247		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 12.17	VOA 8260 Routine List	537		µg/kg
TCEQ/EPA	SS	R	R-8/12/2003-EPA/TCEQ	8/12/03	unknown hydrocarbon @ 13.10	VOA 8260 Routine List	247		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	9-Hexadecenoic acid	ABN 8270 Routine List	5320		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Cholest-5-en-3-ol (3.beta.)-	ABN 8270 Routine List	2190		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Dihydrocholesterol	ABN 8270 Routine List	8520		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Heptadecane	ABN 8270 Routine List	4680		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Hexadecanoic acid	ABN 8270 Routine List	16100		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Naphthalene	ABN 8270 Routine List	245	U	µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Octadecenoic acid isomer @ 14.38	ABN 8270 Routine List	9160		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Octadecenoic acid isomer @ 14.39	ABN 8270 Routine List	5010		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Sulfur (S6)	ABN 8270 Routine List	3410		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Sulfur, mol. (S8)	ABN 8270 Routine List	7710		µg/kg
TCEQ/EPA	SS	9	9-8/12/2003-EPA/TCEQ	8/12/03	Unknown alkene or alcohol	ABN 8270 Routine List	3910		µg/kg

Note:

a - Sample ID for PBLO and TCEQ data have been renamed to meet RI/FS project database format

TCEQ - Texas Commission on Environmental Quality

SS - Special Study

ATTACHMENT C

RISK CALCULATION SHEETS

Table C-1
BSAF Summary Statistics for Double Crested Cormorant

Groups: 1, 2A, 2B, 3A, 3B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
1,2,3,4,6,7,8-HpCDD	34	0.0004	0.0141	0.0012	0.0028	0.0041	1.4657	0.0134	0.0015	0.0134
1,2,3,4,6,7,8-HpCDF	34	0.0001	0.3502	0.0016	0.0188	0.0599	3.1922	0.0432	0.0023	0.0429
1,2,3,4,7,8,9-HpCDF	34	0.0000	0.0681	0.0005	0.0037	0.0117	3.1598	0.0091	0.0007	0.0086
1,2,3,4,7,8-HxCDD	34	0.0007	0.1200	0.0087	0.0156	0.0223	1.4314	0.0472	0.0082	0.0472
1,2,3,4,7,8-HxCDF	35	0.0002	0.8800	0.0022	0.0371	0.1498	4.0329	0.1214	0.0033	0.1209
1,2,3,6,7,8-HxCDD	34	0.0016	0.0429	0.0099	0.0144	0.0123	0.8526	0.0330	0.0092	0.0330
1,2,3,6,7,8-HxCDF	35	0.0023	0.7100	0.0211	0.0746	0.1647	2.2098	0.4037	0.0217	0.3717
1,2,3,7,8,9-HxCDD	35	0.0009	0.3200	0.0069	0.0192	0.0534	2.7818	0.0368	0.0083	0.0341
1,2,3,7,8,9-HxCDF	34	0.0002	0.1808	0.0023	0.0176	0.0350	1.9839	0.0693	0.0040	0.0673
1,2,3,7,8-PeCDD	35	0.0017	1.7000	0.0247	0.1016	0.2881	2.8370	0.2792	0.0298	0.2772
1,2,3,7,8-PeCDF	35	0.0032	1.6000	0.0106	0.1393	0.3709	2.6634	0.8255	0.0216	0.7379
1,2-Dichlorobenzene	5	9.8009	59.6737	19.7929	23.7914	20.6659	0.8686	51.6975	18.6685	47.8551
1,3-Dichlorobenzene	5	10.2041	62.6530	20.6349	24.8889	21.7387	0.8734	54.2494	19.4849	50.1734
1,4-Dichlorobenzene	5	10.2253	61.1855	20.6448	24.6045	21.0966	0.8574	53.0773	19.4064	49.2358
2,3,4,6,7,8-HxCDF	34	0.0004	0.1159	0.0025	0.0097	0.0203	2.0842	0.0257	0.0034	0.0256
2,3,4,7,8-PeCDF	35	0.0025	1.6724	0.0261	0.1506	0.3897	2.5870	0.9706	0.0337	0.8977
2,3,7,8-TCDD	35	0.0041	2.5767	0.0430	0.2144	0.5781	2.6972	1.1033	0.0508	0.8530
2,3,7,8-TCDF	35	0.0044	4.0000	0.0491	0.2142	0.6733	3.1432	0.5038	0.0564	0.5034
2-Methylnaphthalene	135	0.0057	1.8185	0.0525	0.1400	0.1987	1.4194	0.3664	0.0718	0.3664
4,4'-DDD	140	0.1408	1.3584	0.3901	0.6618	0.4692	0.7090	1.3279	0.4835	1.3279
4,4'-DDE	145	0.1533	30.0000	0.7085	1.3349	2.9208	2.1880	2.8416	0.6659	2.8413
4,4'-DDT	143	0.1638	21.5117	0.6131	0.9378	1.8223	1.9432	1.3584	0.6674	1.3584
Acenaphthene	135	0.0057	1.7661	0.0500	0.1345	0.1940	1.4430	0.3582	0.0676	0.3582
Acenaphthylene	135	0.0060	1.8738	0.0544	0.1439	0.2067	1.4371	0.3938	0.0726	0.3938
Aldrin	140	0.1110	2.2887	0.5679	1.0129	0.8513	0.8404	2.2887	0.6309	2.2887
alpha-Chlordane	142	0.1782	6.5000	0.6977	1.1993	1.0562	0.8807	2.6915	0.7700	2.6915
Anthracene	135	0.0060	1.8479	0.0527	0.1425	0.2045	1.4353	0.3820	0.0715	0.3820
Aroclor-1016	133	0.0233	0.9889	0.1250	0.1700	0.1851	1.0890	0.5751	0.1180	0.5751
Aroclor-1221	133	0.0119	0.5055	0.0614	0.0856	0.0932	1.0896	0.2931	0.0597	0.2931
Aroclor-1232	133	0.0233	0.9889	0.1250	0.1700	0.1851	1.0890	0.5751	0.1180	0.5751
Aroclor-1242	133	0.0233	0.9889	0.1250	0.1700	0.1851	1.0890	0.5751	0.1180	0.5751
Aroclor-1248	133	0.0233	0.9889	0.1250	0.1700	0.1851	1.0890	0.5751	0.1180	0.5751
Aroclor-1254	141	0.0037	28.1971	0.3715	1.0877	2.9127	2.6778	4.4310	0.2630	4.4310
Aroclor-1260	140	0.0233	12.5657	0.3356	0.7979	1.4296	1.7917	3.2043	0.3319	3.2042
Arsenic	145	0.0089	1.1084	0.0670	0.0960	0.1036	1.0796	0.2199	0.0761	0.2199
Benzo(a)anthracene	130	0.0057	1.8489	0.0559	0.1539	0.2155	1.4007	0.4877	0.0753	0.4802
Benzo(a)pyrene	109	0.0057	1.8589	0.0423	0.1442	0.2317	1.6074	0.5634	0.0646	0.5616
Benzo(b)fluoranthene	109	0.0055	1.8213	0.0402	0.1373	0.2231	1.6253	0.4912	0.0611	0.4907
Benzo(g,h,i)perylene	109	0.0058	1.7753	0.0397	0.1378	0.2216	1.6073	0.4992	0.0617	0.4992
Benzo(k)fluoranthene	109	0.0054	1.8620	0.0400	0.1448	0.2355	1.6259	0.5540	0.0624	0.5513
beta-BHC	136	0.0543	15.6679	1.3989	1.7075	2.4939	1.4605	6.6915	0.6487	6.6577
Cadmium	141	0.0034	0.6910	0.0132	0.0417	0.1175	2.8181	0.0779	0.0159	0.0779
Chromium	145	0.0018	0.0221	0.0057	0.0068	0.0040	0.5913	0.0146	0.0058	0.0146
Chrysene	130	0.0055	1.7567	0.0525	0.1420	0.1997	1.4064	0.3697	0.0713	0.3697
Copper	141	0.0019	0.2236	0.0336	0.0421	0.0399	0.9475	0.1236	0.0301	0.1236
delta-BHC	136	0.1608	2.2887	0.8511	1.1323	0.7629	0.6737	2.2887	0.8801	2.2887
Dibenzo(a,h)anthracene	109	0.0058	1.8336	0.0393	0.1351	0.2220	1.6427	0.4659	0.0598	0.4646
Endosulfan I	140	0.1745	2.2887	0.5643	1.0433	0.8170	0.7831	2.2887	0.7155	2.2887

Table C-1
BSAF Summary Statistics for Double Crested Cormorant

Groups: 1, 2A, 2B, 3A, 3B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Endosulfan II	140	0.1761	1.3584	0.5889	0.7221	0.4361	0.6039	1.3279	0.5828	1.3279
Endrin	140	0.1589	1.3584	0.5465	0.6847	0.4528	0.6612	1.3279	0.5224	1.3279
Fluoranthene	135	0.0052	1.8761	0.0493	0.1361	0.2034	1.4941	0.4279	0.0677	0.4261
Fluorene	135	0.0052	1.7883	0.0474	0.1356	0.1954	1.4406	0.3587	0.0673	0.3587
gamma-BHC (Lindane)	141	0.2983	2.5000	0.7200	1.1746	0.7234	0.6158	2.2887	0.9609	2.2887
gamma-Chlordane	141	0.1306	2.9254	0.7602	1.1367	0.9208	0.8101	2.5763	0.7429	2.5763
Heptachlor	140	0.1241	2.2887	0.6675	1.0514	0.8097	0.7701	2.2887	0.7371	2.2887
Heptachlor Epoxide	140	0.0936	4.4186	0.7356	1.0876	0.8482	0.7799	2.2887	0.7537	2.2887
Hexachloro-1,3-butadiene	138	0.0060	1.9230	0.1434	0.2132	0.2571	1.2060	0.6118	0.1179	0.6118
Hexachlorobenzene	135	0.0060	1.6258	0.0483	0.1267	0.1801	1.4210	0.3143	0.0644	0.3143
Hexachloroethane	135	0.0060	1.9412	0.0573	0.1521	0.2171	1.4272	0.4601	0.0758	0.4601
Indeno(1,2,3-cd)pyrene	109	0.0058	1.8416	0.0415	0.1377	0.2254	1.6362	0.4826	0.0610	0.4822
Lead	141	0.0002	0.0666	0.0043	0.0064	0.0076	1.1960	0.0215	0.0036	0.0215
Mercury	145	0.0074	0.7501	0.1356	0.1718	0.1548	0.9009	0.5402	0.1150	0.5401
Methoxychlor	140	0.0474	2.3652	0.2019	0.2740	0.3664	1.3374	0.5834	0.1986	0.5793
Nickel	141	0.0009	0.0867	0.0051	0.0099	0.0152	1.5354	0.0293	0.0057	0.0293
OCDD	34	0.0002	0.0202	0.0006	0.0028	0.0053	1.8690	0.0162	0.0009	0.0162
OCDF	34	0.0000	0.0938	0.0005	0.0042	0.0161	3.8744	0.0101	0.0004	0.0094
PCB-004	2	0.4200	0.6800	0.5500	0.5500	0.1838	0.3343	0.6670	0.5344	0.6638
PCB-006	2	0.5500	0.8100	0.6800	0.6800	0.1838	0.2704	0.7970	0.6675	0.7945
PCB-018	3	1.2900	2.0800	1.3200	1.5633	0.4477	0.2864	2.0040	1.5243	1.9875
PCB-019	2	0.4600	1.2100	0.8350	0.8350	0.5303	0.6351	1.1725	0.7461	1.1529
PCB-022	3	1.3200	2.1700	1.5600	1.6833	0.4382	0.2603	2.1090	1.6471	2.0995
PCB-025	3	1.6800	2.4200	1.6800	1.9267	0.4272	0.2218	2.3460	1.8973	2.3333
PCB-026	3	1.5300	2.5100	1.6700	1.9033	0.5300	0.2785	2.4260	1.8579	2.4098
PCB-031	3	2.1200	2.6800	2.1700	2.3233	0.3099	0.1334	2.6290	2.3102	2.6240
PCB-041	3	1.7400	2.4300	2.0700	2.0800	0.3451	0.1659	2.3940	2.0608	2.3913
PCB-044	4	0.1500	2.5300	1.7800	1.5600	1.0128	0.6492	2.4415	1.0450	2.4312
PCB-045	2	1.5500	2.2100	1.8800	1.8800	0.4667	0.2482	2.1770	1.8508	2.1711
PCB-049	4	0.8700	2.9400	2.2350	2.0700	0.8873	0.4286	2.8695	1.8854	2.8642
PCB-051	1	1.5700	1.5700	1.5700	1.5700			1.5700	1.5700	1.5700
PCB-052	4	0.3600	2.9500	2.2450	1.9500	1.1287	0.5788	2.8810	1.5165	2.8759
PCB-070	3	1.7600	3.2600	2.9000	2.6400	0.7831	0.2966	3.2240	2.5530	3.2221
PCB-074	3	2.1400	3.1200	3.0100	2.7567	0.5369	0.1948	3.1090	2.7188	3.1088
PCB-084	2	1.5400	2.4600	2.0000	2.0000	0.6505	0.3253	2.4140	1.9464	2.4031
PCB-085	1	0.7800	0.7800	0.7800	0.7800			0.7800	0.7800	0.7800
PCB-087	1	0.5000	0.5000	0.5000	0.5000			0.5000	0.5000	0.5000
PCB-091	3	1.7300	2.6100	2.1700	2.1700	0.4400	0.2028	2.5660	2.1398	2.5623
PCB-097	4	0.7700	3.0500	2.5400	2.2250	1.0464	0.4703	3.0305	1.9618	3.0301
PCB-099	4	0.9300	3.0500	2.4800	2.2350	0.9251	0.4139	2.9945	2.0404	2.9914
PCB-101	4	0.7200	2.8600	2.2250	2.0075	0.9291	0.4628	2.8000	1.7819	2.7961
PCB-105	34	0.0140	4.8319	0.3219	0.7096	1.0907	1.5372	2.3062	0.2759	1.7444
PCB-107	1	2.3500	2.3500	2.3500	2.3500			2.3500	2.3500	2.3500
PCB-110	4	0.4700	2.2700	1.7000	1.5350	0.7783	0.5070	2.2160	1.3200	2.2120
PCB-114	33	0.0085	1.7202	0.1116	0.2763	0.4356	1.5763	1.2996	0.1090	1.2915
PCB-118	37	0.1299	7.6129	0.8600	1.6888	1.9004	1.1253	6.0430	0.9903	6.0034
PCB-119	2	2.9400	3.9100	3.4250	3.4250	0.6859	0.2003	3.8615	3.3905	3.8547
PCB-126	33	0.0190	0.8169	0.0517	0.1768	0.2309	1.3064	0.7620	0.0880	0.7611

Table C-1
BSAF Summary Statistics for Double Crested Cormorant

Groups: 1, 2A, 2B, 3A, 3B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
PCB-135	2	0.7400	2.0300	1.3850	1.3850	0.9122	0.6586	1.9655	1.2256	1.9301
PCB-136	1	2.4900	2.4900	2.4900	2.4900			2.4900	2.4900	2.4900
PCB-138	3	1.1200	2.0400	1.9700	1.7100	0.5122	0.2995	2.0330	1.6511	2.0329
PCB-141	1	1.0500	1.0500	1.0500	1.0500			1.0500	1.0500	1.0500
PCB-149	3	2.1100	2.4000	2.1300	2.2133	0.1620	0.0732	2.3730	2.2095	2.3715
PCB-151	3	1.4800	2.4400	2.2300	2.0500	0.5047	0.2462	2.4190	2.0044	2.4181
PCB-156	33	0.0253	2.7770	0.2231	0.4559	0.6100	1.3381	1.7381	0.2273	1.6875
PCB-157	33	0.0379	3.1828	0.2518	0.5007	0.6827	1.3636	1.8693	0.2605	1.7935
PCB-167	33	0.0501	2.2953	0.2206	0.4012	0.5107	1.2730	1.5672	0.2352	1.5414
PCB-169	33	0.0324	0.7788	0.0911	0.1142	0.1267	1.1093	0.1710	0.0892	0.1710
PCB-174	2	1.4000	2.8000	2.1000	2.1000	0.9899	0.4714	2.7300	1.9799	2.7046
PCB-179	2	0.7200	4.5000	2.6100	2.6100	2.6729	1.0241	4.3110	1.8000	4.1060
PCB-180	2	0.9200	3.0000	1.9600	1.9600	1.4708	0.7504	2.8960	1.6613	2.8278
PCB-183	3	0.6700	4.2000	1.4000	2.0900	1.8634	0.8916	3.9200	1.5794	3.7630
PCB-187	3	0.8400	2.7000	1.7700	1.7700	0.9300	0.5254	2.6070	1.5893	2.5884
PCB-189	33	0.0318	1.1226	0.0966	0.1937	0.2429	1.2541	0.7011	0.1206	0.6980
PCB-194	2	0.6500	2.3000	1.4750	1.4750	1.1667	0.7910	2.2175	1.2227	2.1592
PCB-196	2	0.5700	2.4000	1.4850	1.4850	1.2940	0.8714	2.3085	1.1696	2.2335
PCB-199	4	0.5000	6.9000	1.9500	2.8250	2.8040	0.9926	6.1800	1.9003	5.7724
PCB-201	2	1.1000	7.1000	4.1000	4.1000	4.2426	1.0348	6.8000	2.7946	6.4679
PCB-202	2	1.1000	4.4000	2.7500	2.7500	2.3335	0.8485	4.2350	2.2000	4.1053
PCB-206	2	0.0950	0.4500	0.2725	0.2725	0.2510	0.9212	0.4323	0.2068	0.4163
PCB-207	2	0.6000	2.4000	1.5000	1.5000	1.2728	0.8485	2.3100	1.2000	2.2393
PCB-208	2	0.3200	1.5000	0.9100	0.9100	0.8344	0.9169	1.4410	0.6928	1.3885
PCB-209	2	0.1000	0.4200	0.2600	0.2600	0.2263	0.8703	0.4040	0.2049	0.3909
Pentachlorophenol	62	0.0098	3.4729	0.0622	0.2195	0.4774	2.1753	0.5704	0.0879	0.5704
Phenanthrene	135	0.0064	1.8540	0.0567	0.1477	0.2083	1.4101	0.3959	0.0759	0.3959
Pyrene	130	0.0052	1.8229	0.0494	0.1394	0.2036	1.4602	0.3855	0.0687	0.3855
Selenium	145	0.2753	3.2117	0.6331	0.7019	0.3933	0.5603	1.0619	0.6438	1.0617
Total Chlordane (U=1/2; max ND)	144	0.1641	2.6326	0.7801	1.1112	0.9086	0.8176	2.6326	0.7336	2.6326
Total DDT (U=1/2; max ND)	144	0.1346	11.6163	0.5979	0.7822	1.0899	1.3934	1.3402	0.5036	1.3402
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	34	0.0026	0.2937	0.0139	0.0377	0.0657	1.7436	0.1590	0.0174	0.1419
Total HPAH (U=1/2; max ND)	135	0.0035	0.9423	0.0312	0.0708	0.1027	1.4506	0.1990	0.0385	0.1990
Total LPAH (U=1/2; max ND)	135	0.0017	1.6026	0.0813	0.1257	0.1730	1.3765	0.3255	0.0608	0.3255
Total PAH (U=1/2; max ND)	135	0.0007	0.6674	0.0500	0.0683	0.0876	1.2819	0.1718	0.0318	0.1718
Total PCB Cong-209 (U=0, max RL)	33	0.0000	5.8078	0.0569	0.8510	1.5776	1.8537	4.9863	0.0961	4.9442
Total PCB Congs (U=1/2; max ND)	33	0.0293	5.8039	0.3118	1.0133	1.5222	1.5022	4.9853	0.3844	4.9433
Total PCBs (U=0, max RL)	141	0.0037	22.7813	0.2944	0.9384	2.3760	2.5320	4.2058	0.2425	4.2058
Total PCBs (U=1/2; max ND)	152	0.0063	9.8919	0.2452	0.5402	1.0835	2.0056	2.3364	0.2033	2.3363
Zinc	141	0.0691	0.6802	0.1768	0.1950	0.0822	0.4213	0.3628	0.1808	0.3628

Table C-2
BSAF Summary Statistics for Belted Kingfisher and Great Blue Heron

Groups: 1, 2A, 2B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
1,2,3,4,6,7,8-HpCDD	24	0.0004	0.0141	0.0012	0.0033	0.0047	1.4273	0.0136	0.0016	0.0136
1,2,3,4,6,7,8-HpCDF	24	0.0001	0.3502	0.0009	0.0190	0.0709	3.7341	0.0257	0.0015	0.0255
1,2,3,4,7,8,9-HpCDF	24	0.0000	0.0681	0.0006	0.0049	0.0138	2.8494	0.0125	0.0008	0.0122
1,2,3,4,7,8-HxCDD	24	0.0007	0.1200	0.0057	0.0150	0.0255	1.6999	0.0471	0.0068	0.0469
1,2,3,4,7,8-HxCDF	25	0.0004	0.8800	0.0017	0.0478	0.1768	3.7014	0.1331	0.0033	0.1327
1,2,3,6,7,8-HxCDD	24	0.0016	0.0325	0.0056	0.0116	0.0114	0.9863	0.0314	0.0070	0.0314
1,2,3,6,7,8-HxCDF	25	0.0039	0.7100	0.0177	0.0789	0.1887	2.3910	0.5787	0.0204	0.5282
1,2,3,7,8,9-HxCDD	25	0.0009	0.3200	0.0064	0.0198	0.0627	3.1732	0.0209	0.0070	0.0207
1,2,3,7,8,9-HxCDF	24	0.0002	0.1808	0.0037	0.0214	0.0406	1.8988	0.0877	0.0041	0.0864
1,2,3,7,8-PeCDD	25	0.0052	1.7000	0.0266	0.1263	0.3385	2.6806	0.3167	0.0347	0.3151
1,2,3,7,8-PeCDF	25	0.0032	1.6000	0.0094	0.1569	0.4280	2.7282	1.2821	0.0178	1.1985
1,2-Dichlorobenzene	1	59.6737	59.6737	59.6737	59.6737			59.6737	59.6737	59.6737
1,3-Dichlorobenzene	1	62.6530	62.6530	62.6530	62.6530			62.6530	62.6530	62.6530
1,4-Dichlorobenzene	1	61.1855	61.1855	61.1855	61.1855			61.1855	61.1855	61.1855
2,3,4,6,7,8-HxCDF	24	0.0004	0.1159	0.0029	0.0105	0.0234	2.2293	0.0238	0.0034	0.0238
2,3,4,7,8-PeCDF	25	0.0061	1.6724	0.0261	0.1907	0.4558	2.3906	1.4202	0.0431	1.3565
2,3,7,8-TCDD	25	0.0077	2.5767	0.0430	0.2677	0.6779	2.5327	2.0295	0.0574	1.7859
2,3,7,8-TCDF	25	0.0044	4.0000	0.0491	0.2435	0.7905	3.2461	0.4681	0.0615	0.4655
2-Methylnaphthalene	99	0.0057	1.8185	0.1111	0.1608	0.2105	1.3091	0.3664	0.0886	0.3664
4,4'-DDD	102	0.1408	1.3584	0.6236	0.6764	0.4827	0.7136	1.3279	0.4890	1.3279
4,4'-DDE	105	0.1620	14.5333	0.7085	1.0899	1.7101	1.5691	1.6998	0.6184	1.6998
4,4'-DDT	103	0.1638	21.5117	0.6131	0.9713	2.0869	2.1486	1.3279	0.6742	1.3279
Acenaphthene	99	0.0057	1.7661	0.1110	0.1563	0.2051	1.3121	0.3582	0.0870	0.3582
Acenaphthylene	99	0.0060	1.8738	0.1140	0.1670	0.2175	1.3022	0.3938	0.0939	0.3938
Aldrin	102	0.1484	2.2887	0.8554	1.0529	0.8705	0.8268	2.2887	0.6582	2.2887
alpha-Chlordane	103	0.1782	3.5000	0.8393	1.2149	1.0146	0.8352	2.6915	0.7690	2.6915
Anthracene	99	0.0060	1.8479	0.1151	0.1659	0.2159	1.3018	0.3820	0.0924	0.3820
Aroclor-1016	96	0.0233	0.8218	0.1148	0.1540	0.1554	1.0089	0.4863	0.1112	0.4863
Aroclor-1221	96	0.0119	0.4162	0.0591	0.0773	0.0769	0.9954	0.2405	0.0563	0.2405
Aroclor-1232	96	0.0233	0.8218	0.1148	0.1540	0.1554	1.0089	0.4863	0.1112	0.4863
Aroclor-1242	96	0.0233	0.8218	0.1148	0.1540	0.1554	1.0089	0.4863	0.1112	0.4863
Aroclor-1248	96	0.0233	0.8218	0.1148	0.1540	0.1554	1.0089	0.4863	0.1112	0.4863
Aroclor-1254	102	0.0037	2.0367	0.2939	0.4114	0.4241	1.0308	1.1902	0.1969	1.1902
Aroclor-1260	101	0.0233	3.0000	0.1536	0.3270	0.4324	1.3223	0.9834	0.1986	0.9834
Arsenic	102	0.0089	0.2686	0.0625	0.0736	0.0388	0.5273	0.1442	0.0655	0.1442
Benzo(a)anthracene	94	0.0057	1.8489	0.1253	0.1824	0.2290	1.2552	0.4539	0.0997	0.4471
Benzo(a)pyrene	74	0.0057	1.8589	0.0737	0.1739	0.2555	1.4688	0.5406	0.0838	0.5389
Benzo(b)fluoranthene	74	0.0055	1.8213	0.0700	0.1650	0.2457	1.4885	0.4804	0.0789	0.4800
Benzo(g,h,i)perylene	74	0.0058	1.7753	0.0712	0.1654	0.2430	1.4691	0.4980	0.0796	0.4980
Benzo(k)fluoranthene	74	0.0054	1.8620	0.0701	0.1761	0.2610	1.4818	0.5263	0.0813	0.5238
beta-BHC	102	0.0543	12.6019	0.6842	1.2623	1.9487	1.5438	2.2887	0.4678	2.2887
Cadmium	102	0.0034	0.4083	0.0189	0.0287	0.0429	1.4979	0.0716	0.0201	0.0716
Chromium	102	0.0019	0.0206	0.0056	0.0067	0.0036	0.5393	0.0144	0.0059	0.0144
Chrysene	94	0.0055	1.7567	0.1181	0.1666	0.2107	1.2648	0.3697	0.0932	0.3697
Copper	102	0.0047	0.2236	0.0367	0.0464	0.0413	0.8904	0.1430	0.0361	0.1430
delta-BHC	102	0.1608	2.2887	0.8511	1.1481	0.7820	0.6812	2.2887	0.8843	2.2887
Dibenzo(a,h)anthracene	74	0.0058	1.8336	0.0668	0.1622	0.2445	1.5073	0.4483	0.0768	0.4471
Endosulfan I	102	0.1745	2.2887	0.8393	1.0819	0.8404	0.7768	2.2887	0.7329	2.2887

Table C-2
BSAF Summary Statistics for Belted Kingfisher and Great Blue Heron

Groups: 1, 2A, 2B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Endosulfan II	102	0.1761	1.3584	0.6443	0.7347	0.4352	0.5924	1.3279	0.5979	1.3279
Endrin	102	0.1589	1.3584	0.6456	0.6968	0.4644	0.6664	1.3279	0.5267	1.3279
Fluoranthene	99	0.0052	1.8761	0.1123	0.1589	0.2172	1.3674	0.4102	0.0875	0.4094
Fluorene	99	0.0052	1.7883	0.1122	0.1589	0.2082	1.3098	0.3587	0.0873	0.3587
gamma-BHC (Lindane)	103	0.2983	2.5000	0.8393	1.2109	0.7431	0.6137	2.2887	0.9900	2.2887
gamma-Chlordane	103	0.1780	2.5763	0.7602	1.1210	0.9383	0.8370	2.5763	0.7239	2.5763
Heptachlor	102	0.1481	2.2887	0.8393	1.1073	0.8186	0.7393	2.2887	0.7912	2.2887
Heptachlor Epoxide	102	0.1736	4.4186	0.8393	1.1294	0.8902	0.7882	2.2887	0.7664	2.2887
Hexachloro-1,3-butadiene	99	0.0060	1.9230	0.1145	0.1761	0.2260	1.2837	0.4482	0.0979	0.4482
Hexachlorobenzene	99	0.0060	1.6258	0.0859	0.1472	0.1902	1.2923	0.3143	0.0833	0.3143
Hexachloroethane	99	0.0060	1.9412	0.1145	0.1772	0.2283	1.2887	0.4601	0.0982	0.4601
Indeno(1,2,3-cd)pyrene	74	0.0058	1.8416	0.0693	0.1652	0.2479	1.5008	0.4725	0.0783	0.4721
Lead	102	0.0002	0.0666	0.0049	0.0074	0.0084	1.1398	0.0227	0.0045	0.0227
Mercury	102	0.0192	0.6365	0.1581	0.1721	0.1243	0.7222	0.4081	0.1326	0.4080
Methoxychlor	102	0.0474	1.3125	0.2019	0.2327	0.2074	0.8911	0.3109	0.1905	0.3109
Nickel	102	0.0009	0.0867	0.0051	0.0082	0.0108	1.3121	0.0236	0.0053	0.0236
OCDD	24	0.0002	0.0202	0.0011	0.0037	0.0061	1.6638	0.0163	0.0012	0.0163
OCDF	24	0.0000	0.0938	0.0005	0.0057	0.0191	3.3534	0.0146	0.0006	0.0141
PCB-004	2	0.4200	0.6800	0.5500	0.5500	0.1838	0.3343	0.6670	0.5344	0.6638
PCB-006	2	0.5500	0.8100	0.6800	0.6800	0.1838	0.2704	0.7970	0.6675	0.7945
PCB-018	3	1.2900	2.0800	1.3200	1.5633	0.4477	0.2864	2.0040	1.5243	1.9875
PCB-019	2	0.4600	1.2100	0.8350	0.8350	0.5303	0.6351	1.1725	0.7461	1.1529
PCB-022	3	1.3200	2.1700	1.5600	1.6833	0.4382	0.2603	2.1090	1.6471	2.0995
PCB-025	3	1.6800	2.4200	1.6800	1.9267	0.4272	0.2218	2.3460	1.8973	2.3333
PCB-026	3	1.5300	2.5100	1.6700	1.9033	0.5300	0.2785	2.4260	1.8579	2.4098
PCB-031	3	2.1200	2.6800	2.1700	2.3233	0.3099	0.1334	2.6290	2.3102	2.6240
PCB-041	3	1.7400	2.4300	2.0700	2.0800	0.3451	0.1659	2.3940	2.0608	2.3913
PCB-044	4	0.1500	2.5300	1.7800	1.5600	1.0128	0.6492	2.4415	1.0450	2.4312
PCB-045	2	1.5500	2.2100	1.8800	1.8800	0.4667	0.2482	2.1770	1.8508	2.1711
PCB-049	4	0.8700	2.9400	2.2350	2.0700	0.8873	0.4286	2.8695	1.8854	2.8642
PCB-051	1	1.5700	1.5700	1.5700	1.5700			1.5700	1.5700	1.5700
PCB-052	4	0.3600	2.9500	2.2450	1.9500	1.1287	0.5788	2.8810	1.5165	2.8759
PCB-070	3	1.7600	3.2600	2.9000	2.6400	0.7831	0.2966	3.2240	2.5530	3.2221
PCB-074	3	2.1400	3.1200	3.0100	2.7567	0.5369	0.1948	3.1090	2.7188	3.1088
PCB-084	2	1.5400	2.4600	2.0000	2.0000	0.6505	0.3253	2.4140	1.9464	2.4031
PCB-085	1	0.7800	0.7800	0.7800	0.7800			0.7800	0.7800	0.7800
PCB-087	1	0.5000	0.5000	0.5000	0.5000			0.5000	0.5000	0.5000
PCB-091	3	1.7300	2.6100	2.1700	2.1700	0.4400	0.2028	2.5660	2.1398	2.5623
PCB-097	4	0.7700	3.0500	2.5400	2.2250	1.0464	0.4703	3.0305	1.9618	3.0301
PCB-099	4	0.9300	3.0500	2.4800	2.2350	0.9251	0.4139	2.9945	2.0404	2.9914
PCB-101	4	0.7200	2.8600	2.2250	2.0075	0.9291	0.4628	2.8000	1.7819	2.7961
PCB-105	25	0.0140	1.0245	0.2878	0.4125	0.3659	0.8871	0.9929	0.2037	0.9929
PCB-107	1	2.3500	2.3500	2.3500	2.3500			2.3500	2.3500	2.3500
PCB-110	4	0.4700	2.2700	1.7000	1.5350	0.7783	0.5070	2.2160	1.3200	2.2120
PCB-114	24	0.0085	1.7202	0.0978	0.2240	0.3981	1.7774	1.0570	0.0862	0.9884
PCB-118	28	0.1299	7.6129	0.8501	1.6734	2.0600	1.2310	6.8656	0.9010	6.8068
PCB-119	2	2.9400	3.9100	3.4250	3.4250	0.6859	0.2003	3.8615	3.3905	3.8547
PCB-126	24	0.0190	0.7317	0.0459	0.1489	0.1872	1.2570	0.4458	0.0769	0.4457

Table C-2
BSAF Summary Statistics for Belted Kingfisher and Great Blue Heron

Groups: 1, 2A, 2B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
PCB-135	2	0.7400	2.0300	1.3850	1.3850	0.9122	0.6586	1.9655	1.2256	1.9301
PCB-136	1	2.4900	2.4900	2.4900	2.4900			2.4900	2.4900	2.4900
PCB-138	3	1.1200	2.0400	1.9700	1.7100	0.5122	0.2995	2.0330	1.6511	2.0329
PCB-141	1	1.0500	1.0500	1.0500	1.0500			1.0500	1.0500	1.0500
PCB-149	3	2.1100	2.4000	2.1300	2.2133	0.1620	0.0732	2.3730	2.2095	2.3715
PCB-151	3	1.4800	2.4400	2.2300	2.0500	0.5047	0.2462	2.4190	2.0044	2.4181
PCB-156	24	0.0253	1.3869	0.2084	0.3116	0.3242	1.0405	0.7358	0.1764	0.7351
PCB-157	24	0.0379	1.4223	0.2399	0.3354	0.3310	0.9870	0.7729	0.2048	0.7729
PCB-167	24	0.0501	1.3306	0.1970	0.2891	0.2885	0.9979	0.6215	0.1932	0.6207
PCB-169	24	0.0324	0.7788	0.0999	0.1198	0.1466	1.2240	0.1699	0.0886	0.1699
PCB-183	1	0.6700	0.6700	0.6700	0.6700			0.6700	0.6700	0.6700
PCB-187	1	1.7700	1.7700	1.7700	1.7700			1.7700	1.7700	1.7700
PCB-189	24	0.0318	0.7835	0.0927	0.1538	0.1775	1.1536	0.5166	0.1027	0.5098
Pentachlorophenol	41	0.0098	3.4729	0.1112	0.2354	0.5327	2.2628	0.4250	0.1106	0.4250
Phenanthrene	99	0.0064	1.8540	0.1211	0.1711	0.2175	1.2716	0.3959	0.0983	0.3959
Pyrene	94	0.0052	1.8229	0.1130	0.1642	0.2175	1.3248	0.3855	0.0897	0.3855
Selenium	102	0.3666	3.2117	0.6533	0.6822	0.3020	0.4427	0.9692	0.6466	0.9692
Total Chlordane (U=1/2; max ND)	102	0.1887	2.6326	0.7890	1.1470	0.9638	0.8403	2.6326	0.7319	2.6326
Total DDT (U=1/2; max ND)	102	0.1479	11.6163	0.5979	0.7654	1.1919	1.5573	1.3370	0.4794	1.3369
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	24	0.0026	0.2937	0.0138	0.0394	0.0753	1.9130	0.2343	0.0171	0.2087
Total HPAH (U=1/2; max ND)	99	0.0035	0.9423	0.0576	0.0798	0.1060	1.3294	0.1990	0.0477	0.1990
Total LPAH (U=1/2; max ND)	99	0.0017	1.6026	0.1162	0.1524	0.1920	1.2597	0.3445	0.0792	0.3433
Total PAH (U=1/2; max ND)	99	0.0007	0.6674	0.0623	0.0801	0.0960	1.1975	0.2552	0.0398	0.2542
Total PCB Cong-209 (U=0, max RL)	24	0.0000	5.8078	0.0563	1.0029	1.7906	1.7854	5.5910	0.0831	5.5677
Total PCB Congs (U=1/2; max ND)	24	0.0293	5.8039	0.3270	1.0915	1.7435	1.5973	5.5890	0.3386	5.5658
Total PCBs (U=0, max RL)	102	0.0037	1.7268	0.2565	0.3743	0.3852	1.0290	1.0751	0.1721	1.0751
Total PCBs (U=1/2; max ND)	108	0.0063	2.3700	0.2249	0.2886	0.3865	1.3391	0.7880	0.1484	0.7876
Zinc	102	0.0880	0.6802	0.2137	0.2211	0.0807	0.3651	0.3757	0.2094	0.3757

Table C-3
BSAF Summary Statistics for Spotted Sandpiper

Groups: 1A, 1B, 1C, I 1A, I 1B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
1,2,3,4,6,7,8-HpCDD	22	0.0046	1.2682	0.1310	0.2583	0.3224	1.2480	0.8143	0.1009	0.8131
1,2,3,4,6,7,8-HpCDF	18	0.0007	0.8850	0.1418	0.2124	0.2421	1.1397	0.6079	0.0668	0.5989
1,2,3,4,7,8,9-HpCDF	11	0.0006	0.9440	0.2504	0.3530	0.3826	1.0840	0.8915	0.0490	0.8900
1,2,3,4,7,8-HxCDD	11	0.0039	0.7840	0.0761	0.2477	0.2737	1.1052	0.6565	0.0828	0.6440
1,2,3,4,7,8-HxCDF	11	0.0019	0.5281	0.1050	0.1635	0.1746	1.0678	0.4231	0.0525	0.4098
1,2,3,6,7,8-HxCDD	13	0.0098	0.5029	0.2090	0.1982	0.1579	0.7967	0.4436	0.1248	0.4410
1,2,3,6,7,8-HxCDF	11	0.0020	0.6800	0.1840	0.2716	0.2759	1.0157	0.6655	0.0797	0.6653
1,2,3,7,8,9-HxCDD	11	0.0086	0.4040	0.1610	0.1744	0.1470	0.8426	0.3995	0.0974	0.3995
1,2,3,7,8,9-HxCDF	11	0.0005	0.5270	0.0676	0.1748	0.1907	1.0913	0.4670	0.0418	0.4631
1,2,3,7,8-PeCDD	11	0.0078	0.8880	0.1980	0.2641	0.2686	1.0173	0.6950	0.1289	0.6677
1,2,3,7,8-PeCDF	11	0.0055	1.0240	0.2414	0.3058	0.3270	1.0691	0.8730	0.1259	0.8598
1,2-Dichlorobenzene	11	20.9375	181.8182	26.8000	49.4240	46.7685	0.9463	126.6234	38.6940	113.9606
1,3-Dichlorobenzene	11	19.7059	181.8182	47.6190	54.4986	44.2660	0.8122	124.4091	45.3816	110.3713
1,4-Dichlorobenzene	11	19.4203	181.8182	51.5385	67.0630	46.2406	0.6895	134.3874	54.3795	125.7389
2,3,4,6,7,8-HxCDF	14	0.0009	1.4620	0.2098	0.4520	0.5089	1.1260	1.2716	0.1113	1.2642
2,3,4,7,8-PeCDF	11	0.0034	0.9450	0.2860	0.3127	0.3255	1.0410	0.7950	0.1066	0.7807
2,3,7,8-TCDD	14	0.0045	3.1342	0.3240	0.6030	0.8677	1.4388	2.1748	0.2145	2.0721
2,3,7,8-TCDF	14	0.0078	3.2315	0.4040	0.6545	0.8560	1.3078	2.0703	0.2682	1.9152
2-Methylnaphthalene	14	0.0011	11.1111	0.0084	1.1681	2.9341	2.5118	5.2501	0.0359	3.7556
4,4'-DDD	16	0.0960	3.0000	0.3333	0.7942	0.8413	1.0592	2.2500	0.4982	2.2134
4,4'-DDE	23	0.1000	32.0000	0.4580	2.4284	6.7643	2.7855	9.2727	0.6016	8.7816
4,4'-DDT	19	0.0180	2.0000	0.4762	0.6169	0.5377	0.8716	1.6595	0.3846	1.6560
Acenaphthene	15	0.0009	11.1111	0.6091	1.2274	2.7977	2.2793	4.7993	0.1426	3.4550
Acenaphthylene	16	0.0009	11.1111	0.0060	0.9034	2.7729	3.0693	4.3485	0.0202	3.1784
Aldrin	17	0.0096	3.1579	0.2780	0.5220	0.7622	1.4600	1.5407	0.2494	1.3941
alpha-Chlordane	14	0.1612	17.6471	0.3966	1.7534	4.5895	2.6175	7.1219	0.5688	3.4842
Anthracene	17	0.0010	11.1111	0.0056	0.8327	2.6986	3.2407	3.8976	0.0154	2.9240
Aroclor-1016	14	0.3333	2.7027	0.5495	0.7696	0.6280	0.8161	1.7018	0.6277	1.5621
Aroclor-1221	14	0.1802	1.3514	0.3333	0.4212	0.2967	0.7044	0.8465	0.3632	0.7752
Aroclor-1232	14	0.3333	2.7027	0.5495	0.7696	0.6280	0.8161	1.7018	0.6277	1.5621
Aroclor-1242	14	0.2857	2.7027	0.5247	0.7507	0.6390	0.8512	1.7018	0.5991	1.5621
Aroclor-1248	21	0.1990	2.7027	0.5495	0.6824	0.5596	0.8200	1.2030	0.5459	1.2030
Aroclor-1254	21	0.0850	5.6923	0.3333	1.0345	1.5525	1.5008	3.9231	0.4676	3.9231
Aroclor-1260	19	0.1050	1.4419	0.3623	0.5165	0.3540	0.6854	1.1907	0.4103	1.1881
Arsenic	14	0.0540	0.2859	0.1523	0.1635	0.0677	0.4142	0.2536	0.1492	0.2525
Benzo(a)anthracene	19	0.0014	11.1111	0.0150	0.7197	2.5612	3.5586	2.9959	0.0227	2.4746
Benzo(a)pyrene	22	0.0010	11.1111	0.0144	0.8478	2.3709	2.7966	2.0675	0.0424	2.0636
Benzo(b)fluoranthene	18	0.0012	11.1111	0.0060	0.7479	2.6324	3.5198	3.4468	0.0148	2.6899
Benzo(g,h,i)perylene	17	0.0010	11.1111	0.0077	0.7872	2.7078	3.4396	3.8976	0.0132	2.9240
Benzo(k)fluoranthene	18	0.0008	11.1111	0.0035	0.7416	2.6340	3.5516	3.4468	0.0082	2.6899
beta-BHC	14	0.0083	0.8667	0.0694	0.2792	0.3426	1.2272	0.8450	0.0801	0.8449
Cadmium	14	0.0448	4.5455	0.3234	0.7968	1.1868	1.4895	2.5830	0.3312	2.2363
Chromium	14	0.0010	0.0467	0.0059	0.0116	0.0128	1.1063	0.0332	0.0065	0.0318
Chrysene	21	0.0019	11.1111	0.0136	0.6566	2.4381	3.7132	2.0942	0.0259	2.0942
Copper	14	0.0046	0.6224	0.0312	0.1268	0.1906	1.5030	0.5190	0.0420	0.5137
delta-BHC	17	0.0631	3.2051	0.3333	0.9269	1.1751	1.2678	3.2051	0.4215	3.2051
Dibenzo(a,h)anthracene	15	0.0010	11.1111	0.0031	0.9288	2.8704	3.0905	4.7993	0.0109	3.4550
Endosulfan I	14	0.1800	13.0435	0.4760	1.4181	3.3578	2.3677	5.3039	0.5886	2.6698

Table C-3
BSAF Summary Statistics for Spotted Sandpiper

Groups: 1A, 1B, 1C, I 1A, I 1B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Endosulfan II	14	0.0394	1.6216	0.3939	0.5265	0.4782	0.9082	1.3234	0.3223	1.3063
Endrin	15	0.0090	1.6216	0.3333	0.5179	0.4818	0.9303	1.3004	0.2888	1.2848
Fluoranthene	26	0.0014	11.1111	0.0225	0.9971	2.3289	2.3357	3.6550	0.0586	3.6493
Fluorene	15	0.0007	11.1111	0.0048	1.0566	2.8376	2.6857	4.7993	0.0269	3.4550
gamma-BHC (Lindane)	17	0.0520	3.1579	0.3333	0.6064	0.7432	1.2255	1.5407	0.3641	1.3941
gamma-Chlordane	23	0.0040	3.1579	0.3333	0.5076	0.7563	1.4901	1.9136	0.1202	1.8901
Heptachlor	14	0.0145	1.1364	0.3757	0.4439	0.3900	0.8786	1.1364	0.2148	1.1364
Heptachlor Epoxide	16	0.0658	8.4615	0.3981	1.0312	2.0289	1.9676	3.2652	0.4444	2.3499
Hexachloro-1,3-butadiene	14	0.3279	9.2166	0.7945	1.4227	2.2890	1.6089	4.5871	0.8606	3.5178
Hexachlorobenzene	16	0.0337	5.0000	0.5298	1.0257	1.4192	1.3837	4.2500	0.5009	4.2295
Hexachloroethane	14	0.3279	11.1111	0.7976	1.6361	2.7791	1.6986	5.2501	0.9281	3.7556
Indeno(1,2,3-cd)pyrene	16	0.0007	11.1111	0.0029	0.8320	2.7901	3.3534	4.3485	0.0086	3.1784
Lead	14	0.0001	0.0284	0.0079	0.0105	0.0086	0.8171	0.0220	0.0047	0.0216
Mercury	35	0.0135	2514.2857	1.0286	268.8771	719.6599	2.6765	2106.2857	2.0344	2090.4484
Methoxychlor	16	0.0767	13.9241	0.5319	1.4922	3.3469	2.2430	4.9810	0.6465	3.2487
Naphthalene	7	0.0080	0.0310	0.0100	0.0170	0.0105	0.6151	0.0301	0.0143	0.0301
Nickel	14	0.0074	0.2941	0.0482	0.0774	0.0894	1.1550	0.2686	0.0444	0.2680
OCDD	22	0.0050	1.3768	0.0749	0.1789	0.3052	1.7056	0.6197	0.0678	0.6151
OCDF	20	0.0010	0.8536	0.0845	0.1450	0.1971	1.3597	0.3695	0.0450	0.3600
PCB-018	7	0.0070	0.0960	0.0530	0.0491	0.0327	0.6664	0.0912	0.0369	0.0909
PCB-044	7	0.0350	0.3080	0.1480	0.1687	0.1036	0.6138	0.3002	0.1361	0.3000
PCB-049	7	0.0570	0.2680	0.0770	0.1239	0.0885	0.7145	0.2578	0.1023	0.2573
PCB-052	15	0.0300	19.2000	1.6700	3.5229	5.2408	1.4877	12.1020	0.7708	11.3496
PCB-087	7	0.0380	0.2240	0.0730	0.1013	0.0676	0.6670	0.2051	0.0849	0.2029
PCB-105	5	0.0447	0.8330	0.2991	0.3123	0.3149	1.0085	0.7272	0.1937	0.6809
PCB-114	5	0.0083	0.1667	0.0940	0.0802	0.0694	0.8657	0.1575	0.0445	0.1563
PCB-118	12	0.0384	1.1586	0.1320	0.2572	0.3203	1.2457	0.7956	0.1452	0.7287
PCB-123	4	0.0217	14.3346	0.2781	3.7281	7.0749	1.8977	12.2633	0.2651	8.7314
PCB-126	5	0.0254	0.5759	0.0914	0.1891	0.2284	1.2075	0.5032	0.1028	0.4717
PCB-128	7	0.0200	0.1210	0.0580	0.0573	0.0363	0.6332	0.1093	0.0476	0.1077
PCB-136	4	0.0239	2.7266	0.2571	0.8162	1.2795	1.5675	2.3660	0.2521	1.9796
PCB-141	4	0.0846	36.0753	0.8252	9.4526	17.7608	1.8789	30.8913	0.8893	22.4232
PCB-151	7	0.0290	0.6390	0.1190	0.1816	0.2066	1.1378	0.4989	0.1217	0.4310
PCB-153	9	0.2128	4.7900	1.4100	2.1600	2.0239	0.9370	4.7900	1.2902	4.7900
PCB-156	1	0.1315	0.1315	0.1315	0.1315			0.1315	0.1315	0.1315
PCB-157	1	0.2613	0.2613	0.2613	0.2613			0.2613	0.2613	0.2613
PCB-167	5	0.0208	0.4426	0.1633	0.1882	0.1800	0.9561	0.4117	0.1027	0.4062
PCB-169	5	0.0011	0.0477	0.0163	0.0189	0.0180	0.9510	0.0425	0.0106	0.0408
PCB-174	5	0.0575	15.0202	0.2900	3.2752	6.5745	2.0074	12.1978	0.4694	8.5698
PCB-179	5	0.0418	9.3694	0.1500	2.0824	4.0829	1.9606	7.6424	0.3470	5.6305
PCB-180	8	0.0400	0.4700	0.0815	0.1354	0.1411	1.0424	0.3664	0.0994	0.3319
PCB-183	8	0.0190	0.5200	0.0460	0.1220	0.1711	1.4028	0.4056	0.0628	0.3676
PCB-187	1	0.4000	0.4000	0.4000	0.4000			0.4000	0.4000	0.4000
PCB-189	5	0.0043	0.0664	0.0355	0.0320	0.0265	0.8283	0.0626	0.0202	0.0620
PCB-194	12	0.0059	4.7069	0.0270	0.4433	1.3444	3.0328	2.2501	0.0424	0.9159
PCB-196	1	0.3200	0.3200	0.3200	0.3200			0.3200	0.3200	0.3200
PCB-199	9	0.0190	0.4000	0.1360	0.1540	0.1427	0.9265	0.3632	0.0910	0.3603
PCB-201	1	0.2600	0.2600	0.2600	0.2600			0.2600	0.2600	0.2600

Table C-3
BSAF Summary Statistics for Spotted Sandpiper

Groups: 1A, 1B, 1C, I 1A, I 1B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
PCB-202	5	0.0218	9.4825	0.3316	2.0677	4.1493	2.0068	7.6780	0.2661	5.1772
PCB-206	5	0.0022	1.0780	0.0136	0.2288	0.4749	2.0757	0.8706	0.0262	0.5606
PCB-207	5	0.0045	2.5764	0.0305	0.5607	1.1291	2.0136	2.0971	0.0600	1.5131
PCB-208	5	0.0071	3.0435	0.0472	0.6512	1.3383	2.0551	2.4628	0.0766	1.6441
PCB-209	5	0.0025	0.8942	0.0127	0.1929	0.3924	2.0339	0.7247	0.0256	0.4961
Pentachlorophenol	11	0.6296	21.7391	0.8095	3.1008	6.2639	2.0201	12.9529	1.3475	9.5173
Phenanthrene	21	0.0016	11.1111	0.0920	0.8337	2.4699	2.9626	2.9190	0.0622	2.9190
Pyrene	21	0.0030	11.1111	0.0206	0.8734	2.5111	2.8750	3.7310	0.0556	3.7310
Selenium	14	0.0475	1.6774	0.7476	0.7710	0.4375	0.5674	1.3590	0.5938	1.3401
Total Chlordane (U=1/2; max ND)	14	0.0309	5.3571	0.4088	0.8291	1.3534	1.6324	2.7170	0.4048	2.1291
Total DDT (U=1/2; max ND)	14	0.1023	2.0233	0.3333	0.5735	0.6067	1.0579	1.9174	0.3946	1.9159
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	6	0.0056	1.2357	0.1243	0.2897	0.4725	1.6310	0.9841	0.0831	0.8110
Total HPAH (U=1/2; max ND)	14	0.0030	11.1111	2.0330	2.7255	3.1213	1.1452	7.7703	0.5808	7.4211
Total LPAH (U=1/2; max ND)	14	0.0432	11.1111	2.0414	2.4023	2.8351	1.1801	6.5734	1.0705	5.8397
Total PAH (U=1/2; max ND)	14	0.0028	11.1111	2.0567	3.6369	4.1000	1.1273	10.4549	0.7474	10.4440
Total PCB Cong-209 (U=0, max RL)	5	0.0180	0.6087	0.2266	0.2792	0.2505	0.8971	0.5789	0.1566	0.5755
Total PCB Congs (U=1/2; max ND)	5	0.0826	2.8153	0.2267	0.7665	1.1647	1.5195	2.3740	0.3168	2.0725
Total PCBs (U=0, max RL)	14	0.1500	8.0769	0.4905	1.5818	2.4780	1.5666	6.6269	0.6465	6.5464
Total PCBs (U=1/2; max ND)	23	0.1802	2.8000	0.4934	0.6470	0.5762	0.8905	1.3848	0.5001	1.3837
Zinc	14	0.0134	0.2389	0.0409	0.0767	0.0747	0.9731	0.2181	0.0506	0.2176

Table C-4
BSAF Summary Statistics for Raccoon

Groups: 1

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
1,2,3,4,6,7,8-HpCDD	18	0.0004	0.0025	0.0010	0.0012	0.0007	0.5786	0.0024	0.0011	0.0024
1,2,3,4,6,7,8-HpCDF	18	0.0001	0.0272	0.0004	0.0029	0.0069	2.3874	0.0160	0.0007	0.0155
1,2,3,4,7,8,9-HpCDF	18	0.0000	0.0068	0.0004	0.0010	0.0017	1.6379	0.0042	0.0004	0.0041
1,2,3,4,7,8-HxCDD	18	0.0018	0.1200	0.0046	0.0148	0.0282	1.9113	0.0494	0.0063	0.0441
1,2,3,4,7,8-HxCDF	18	0.0004	0.0053	0.0016	0.0018	0.0012	0.7028	0.0039	0.0014	0.0038
1,2,3,6,7,8-HxCDD	18	0.0016	0.0310	0.0044	0.0071	0.0075	1.0545	0.0184	0.0049	0.0178
1,2,3,6,7,8-HxCDF	18	0.0039	0.0808	0.0114	0.0180	0.0180	0.9967	0.0378	0.0130	0.0350
1,2,3,7,8,9-HxCDD	18	0.0029	0.0221	0.0056	0.0063	0.0043	0.6807	0.0110	0.0055	0.0103
1,2,3,7,8,9-HxCDF	18	0.0002	0.0932	0.0011	0.0141	0.0253	1.8005	0.0620	0.0025	0.0609
1,2,3,7,8-PeCDD	18	0.0052	0.2092	0.0147	0.0362	0.0515	1.4230	0.1354	0.0209	0.1327
1,2,3,7,8-PeCDF	18	0.0032	0.0221	0.0076	0.0085	0.0042	0.4948	0.0143	0.0077	0.0140
2,3,4,6,7,8-HxCDF	18	0.0004	0.0241	0.0013	0.0044	0.0062	1.4206	0.0154	0.0021	0.0151
2,3,4,7,8-PeCDF	18	0.0061	0.1166	0.0211	0.0289	0.0253	0.8725	0.0638	0.0226	0.0611
2,3,7,8-TCDD	18	0.0077	0.2309	0.0275	0.0440	0.0512	1.1621	0.1086	0.0305	0.1007
2,3,7,8-TCDF	18	0.0126	0.1551	0.0404	0.0551	0.0378	0.6860	0.1097	0.0441	0.1083
2-Methylnaphthalene	77	0.0057	0.5308	0.1202	0.1542	0.1343	0.8706	0.3664	0.0900	0.3664
4,4'-DDD	78	0.1564	1.3584	0.6236	0.6700	0.4999	0.7462	1.3279	0.4740	1.3279
4,4'-DDE	79	0.1620	14.5333	0.7085	0.9862	1.6709	1.6943	1.6998	0.5656	1.6998
4,4'-DDT	78	0.1638	21.5117	0.6131	1.0245	2.3859	2.3290	1.3325	0.6715	1.3324
Acenaphthene	77	0.0057	0.5547	0.1202	0.1506	0.1324	0.8793	0.3582	0.0884	0.3582
Acenaphthylene	77	0.0060	0.5540	0.1322	0.1631	0.1408	0.8635	0.3938	0.0968	0.3938
Aldrin	78	0.1484	2.2887	0.8554	1.0365	0.8930	0.8616	2.2887	0.6294	2.2887
alpha-Chlordane	78	0.1782	2.6915	0.8393	1.1747	1.0152	0.8643	2.6915	0.7292	2.6915
Anthracene	77	0.0060	0.5768	0.1285	0.1605	0.1411	0.8793	0.3820	0.0944	0.3820
Aroclor-1016	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1221	72	0.0119	0.3644	0.0587	0.0808	0.0769	0.9515	0.2405	0.0583	0.2405
Aroclor-1232	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1242	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1248	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1254	78	0.0186	2.0367	0.3031	0.4428	0.4380	0.9892	1.3036	0.2406	1.3034
Aroclor-1260	77	0.0233	1.3974	0.1732	0.2887	0.2500	0.8659	0.7272	0.2057	0.7238
Arsenic	78	0.0089	0.2686	0.0575	0.0612	0.0326	0.5324	0.0953	0.0558	0.0953
Benzo(a)anthracene	74	0.0057	0.5918	0.1394	0.1741	0.1524	0.8756	0.3945	0.1015	0.3945
Benzo(a)pyrene	54	0.0057	0.6834	0.0626	0.1657	0.1796	1.0841	0.5406	0.0822	0.5389
Benzo(b)fluoranthene	54	0.0055	0.5716	0.0596	0.1545	0.1651	1.0681	0.4804	0.0765	0.4800
Benzo(g,h,i)perylene	54	0.0058	0.6092	0.0610	0.1564	0.1693	1.0825	0.4980	0.0773	0.4980
Benzo(k)fluoranthene	54	0.0054	0.5984	0.0590	0.1595	0.1716	1.0757	0.4869	0.0778	0.4869
beta-BHC	78	0.0543	2.2887	0.6842	0.9344	0.9388	1.0047	2.2887	0.3861	2.2887
Cadmium	78	0.0107	0.1135	0.0168	0.0207	0.0157	0.7577	0.0484	0.0179	0.0484
Chromium	78	0.0019	0.0153	0.0051	0.0055	0.0025	0.4518	0.0093	0.0050	0.0093
Chrysene	74	0.0055	0.5646	0.1323	0.1591	0.1371	0.8620	0.3697	0.0948	0.3697
Copper	78	0.0083	0.2236	0.0382	0.0524	0.0452	0.8630	0.1613	0.0412	0.1611
delta-BHC	78	0.3019	2.2887	0.8511	1.1406	0.8002	0.7015	2.2887	0.8748	2.2887
Dibenzo(a,h)anthracene	54	0.0058	0.5300	0.0600	0.1500	0.1597	1.0651	0.4483	0.0737	0.4471
Endosulfan I	78	0.1745	2.2887	0.8393	1.0671	0.8658	0.8114	2.2887	0.7022	2.2887
Endosulfan II	78	0.1761	1.3584	0.6443	0.7343	0.4471	0.6090	1.3279	0.5929	1.3279
Endrin	78	0.1589	1.3584	0.6456	0.6900	0.4859	0.7042	1.3279	0.5075	1.3279
Fluoranthene	77	0.0052	0.5106	0.1341	0.1494	0.1343	0.8986	0.4013	0.0884	0.4013

Table C-4
BSAF Summary Statistics for Raccoon

Groups: 1

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Fluorene	77	0.0052	0.5533	0.1286	0.1520	0.1338	0.8804	0.3587	0.0885	0.3587
gamma-BHC (Lindane)	78	0.2983	2.2887	0.8393	1.1950	0.7544	0.6314	2.2887	0.9727	2.2887
gamma-Chlordane	78	0.1780	2.5763	0.7602	1.1167	0.9891	0.8857	2.5763	0.6911	2.5763
Heptachlor	78	0.2322	2.2887	0.8393	1.0986	0.8387	0.7634	2.2887	0.7778	2.2887
Heptachlor Epoxide	78	0.1736	2.2887	0.8393	1.0810	0.8568	0.7925	2.2887	0.7208	2.2887
Hexachloro-1,3-butadiene	77	0.0060	0.5638	0.1284	0.1712	0.1493	0.8722	0.4482	0.1004	0.4482
Hexachlorobenzene	77	0.0060	0.5638	0.1207	0.1409	0.1227	0.8708	0.3056	0.0849	0.3056
Hexachloroethane	77	0.0060	0.5638	0.1284	0.1729	0.1515	0.8759	0.4601	0.1010	0.4601
Indeno(1,2,3-cd)pyrene	54	0.0058	0.5725	0.0614	0.1547	0.1665	1.0761	0.4725	0.0757	0.4721
Lead	78	0.0002	0.0666	0.0041	0.0054	0.0077	1.4154	0.0114	0.0034	0.0114
Mercury	78	0.0402	0.6365	0.1581	0.1786	0.1300	0.7277	0.4850	0.1389	0.4850
Methoxychlor	78	0.0474	0.3109	0.2014	0.1964	0.0826	0.4206	0.3109	0.1760	0.3109
Nickel	78	0.0009	0.0458	0.0036	0.0052	0.0060	1.1471	0.0093	0.0039	0.0093
OCDD	18	0.0002	0.0037	0.0006	0.0010	0.0009	0.8964	0.0023	0.0007	0.0023
OCDF	18	0.0000	0.0010	0.0004	0.0004	0.0003	0.7458	0.0008	0.0003	0.0008
PCB-105	18	0.0140	0.8077	0.2416	0.2672	0.2540	0.9508	0.7932	0.1373	0.7932
PCB-114	18	0.0085	0.2692	0.0787	0.0894	0.0805	0.8997	0.2533	0.0553	0.2532
PCB-118	18	0.1299	7.6129	0.4863	1.7409	2.5047	1.4387	7.5215	0.7221	7.5214
PCB-126	18	0.0190	0.4481	0.0398	0.0992	0.1437	1.4486	0.4349	0.0537	0.4348
PCB-156	18	0.0253	0.5635	0.1794	0.1918	0.1644	0.8571	0.5239	0.1268	0.5237
PCB-157	18	0.0379	0.6228	0.2038	0.2203	0.1813	0.8230	0.5944	0.1537	0.5943
PCB-167	18	0.0501	0.5121	0.1690	0.1875	0.1392	0.7425	0.4718	0.1461	0.4715
PCB-169	18	0.0324	0.1706	0.0774	0.0830	0.0419	0.5045	0.1349	0.0730	0.1342
PCB-189	18	0.0318	0.1821	0.0653	0.0806	0.0446	0.5527	0.1728	0.0709	0.1728
Pentachlorophenol	20	0.0243	0.4456	0.1720	0.2006	0.1394	0.6950	0.4261	0.1399	0.4260
Phenanthrene	77	0.0064	0.5745	0.1285	0.1662	0.1442	0.8677	0.3959	0.1010	0.3959
Pyrene	74	0.0052	0.5949	0.1273	0.1535	0.1382	0.9007	0.3855	0.0900	0.3855
Selenium	78	0.3666	3.2117	0.6207	0.6614	0.3285	0.4967	0.8828	0.6236	0.8828
Total Chlordane (U=1/2; max ND)	78	0.1887	2.6326	0.7890	1.1374	1.0063	0.8847	2.6326	0.7014	2.6326
Total DDT (U=1/2; max ND)	78	0.1479	11.6163	0.5979	0.7717	1.3339	1.7284	1.2861	0.4566	1.2859
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	18	0.0026	0.0523	0.0120	0.0148	0.0116	0.7862	0.0326	0.0115	0.0317
Total HPAH (U=1/2; max ND)	77	0.0035	0.2666	0.0849	0.0764	0.0645	0.8449	0.1990	0.0485	0.1990
Total LPAH (U=1/2; max ND)	77	0.0017	0.4718	0.1200	0.1390	0.1157	0.8320	0.3255	0.0771	0.3255
Total PAH (U=1/2; max ND)	77	0.0007	0.3348	0.0678	0.0691	0.0591	0.8561	0.1659	0.0375	0.1659
Total PCB Cong-209 (U=0, max RL)	18	0.0000	5.8078	0.0323	1.1786	2.0317	1.7238	5.7949	0.0607	5.7949
Total PCB Congs (U=1/2; max ND)	18	0.0293	5.8039	0.1918	1.2530	1.9888	1.5873	5.7923	0.2945	5.7923
Total PCBs (U=0, max RL)	78	0.0120	1.7268	0.2944	0.3987	0.3826	0.9598	1.0763	0.2105	1.0763
Total PCBs (U=1/2; max ND)	79	0.0115	0.8070	0.2264	0.2271	0.1672	0.7364	0.5164	0.1528	0.5163
Zinc	78	0.1108	0.6802	0.2301	0.2363	0.0845	0.3576	0.3861	0.2242	0.3861

Table C-5
BSAF Summary Statistics for River Otter and Mink

Groups: 4A, 4B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
1,2,3,4,6,7,8-HpCDD	7	0.0004	0.0377	0.0008	0.0090	0.0137	1.5283	0.0306	0.0024	0.0281
1,2,3,4,6,7,8-HpCDF	7	0.0001	0.0312	0.0080	0.0098	0.0107	1.0933	0.0262	0.0043	0.0248
1,2,3,4,7,8,9-HpCDF	7	0.0001	0.0026	0.0002	0.0006	0.0009	1.4853	0.0021	0.0003	0.0019
1,2,3,4,7,8-HxCDD	7	0.0045	0.0566	0.0128	0.0247	0.0223	0.9013	0.0555	0.0162	0.0555
1,2,3,4,7,8-HxCDF	7	0.0000	0.0260	0.0012	0.0071	0.0110	1.5537	0.0241	0.0013	0.0240
1,2,3,6,7,8-HxCDD	7	0.0033	0.2758	0.0169	0.0746	0.1006	1.3473	0.2288	0.0248	0.2145
1,2,3,6,7,8-HxCDF	7	0.0023	0.0613	0.0143	0.0222	0.0226	1.0157	0.0568	0.0133	0.0563
1,2,3,7,8,9-HxCDD	7	0.0047	0.0870	0.0127	0.0300	0.0312	1.0402	0.0777	0.0179	0.0763
1,2,3,7,8,9-HxCDF	7	0.0004	0.0215	0.0006	0.0057	0.0088	1.5570	0.0196	0.0016	0.0194
1,2,3,7,8-PeCDD	7	0.0029	0.2508	0.0143	0.0663	0.0914	1.3786	0.2054	0.0201	0.1901
1,2,3,7,8-PeCDF	7	0.0038	0.4552	0.0169	0.1104	0.1763	1.5965	0.3943	0.0294	0.3813
1,2-Dichlorobenzene	1	15.1749	15.1749	15.1749	15.1749			15.1749	15.1749	15.1749
1,3-Dichlorobenzene	1	15.7881	15.7881	15.7881	15.7881			15.7881	15.7881	15.7881
1,4-Dichlorobenzene	1	15.6984	15.6984	15.6984	15.6984			15.6984	15.6984	15.6984
2,3,4,6,7,8-HxCDF	7	0.0002	0.0351	0.0017	0.0098	0.0143	1.4642	0.0321	0.0024	0.0318
2,3,4,7,8-PeCDF	7	0.0003	0.2948	0.0029	0.0682	0.1165	1.7093	0.2556	0.0058	0.2473
2,3,7,8-TCDD	7	0.0056	0.3360	0.0121	0.1215	0.1484	1.2216	0.3248	0.0361	0.3243
2,3,7,8-TCDF	7	0.0019	1.1039	0.0256	0.2705	0.4356	1.6103	0.9674	0.0368	0.9413
2-Methylnaphthalene	32	0.0190	0.4746	0.0237	0.0375	0.0798	2.1258	0.0237	0.0257	0.0237
4,4'-DDD	37	0.2553	4.4000	0.4255	0.8287	1.0351	1.2490	3.3300	0.5711	3.3124
4,4'-DDE	46	0.2703	41.4714	0.9255	3.5246	7.7128	2.1883	18.0813	1.2172	18.0781
4,4'-DDT	35	0.1599	20.5645	0.5712	1.6591	3.7891	2.2838	8.1230	0.7779	8.0770
Acenaphthene	31	0.0186	0.4638	0.0232	0.0371	0.0792	2.1327	0.0237	0.0252	0.0236
Acenaphthylene	32	0.0196	0.4893	0.0245	0.0387	0.0822	2.1258	0.0245	0.0265	0.0245
Aldrin	32	0.2785	5.4779	0.4642	1.2331	1.5351	1.2449	4.8930	0.7576	4.8852
alpha-Chlordane	34	0.4638	5.6141	0.6102	1.4297	1.5497	1.0839	5.0466	0.9598	5.0462
Anthracene	32	0.0192	0.4802	0.0240	0.0380	0.0807	2.1258	0.0240	0.0260	0.0240
Aroclor-1016	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1221	31	0.0407	0.6921	0.0407	0.0735	0.1323	1.7990	0.2239	0.0480	0.1287
Aroclor-1232	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1242	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1248	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1254	39	0.0165	7.6038	0.4298	1.4144	1.9550	1.3822	5.5210	0.4419	5.4851
Aroclor-1260	32	0.0786	31.4499	0.7705	4.8870	7.9314	1.6230	22.4080	1.0418	22.0719
Arsenic	57	0.0032	0.5430	0.1068	0.1197	0.0895	0.7475	0.2676	0.0965	0.2645
Benzo(a)anthracene	31	0.0192	0.4798	0.0240	0.0384	0.0819	2.1345	0.0240	0.0260	0.0240
Benzo(a)pyrene	28	0.0192	0.4808	0.0240	0.0400	0.0864	2.1594	0.0240	0.0263	0.0240
Benzo(b)fluoranthene	29	0.0186	0.4661	0.0233	0.0383	0.0823	2.1514	0.0233	0.0254	0.0233
Benzo(g,h,i)perylene	29	0.0190	0.4754	0.0238	0.0390	0.0839	2.1514	0.0238	0.0260	0.0238
Benzo(k)fluoranthene	29	0.0190	0.4742	0.0237	0.0389	0.0837	2.1514	0.0237	0.0259	0.0237
beta-BHC	32	0.1910	11.4576	0.6684	2.5302	3.1897	1.2607	9.0897	0.9007	9.0582
Cadmium	33	0.0036	0.6058	0.0036	0.0246	0.1044	4.2506	0.0121	0.0064	0.0121
Chromium	57	0.0001	0.0174	0.0031	0.0040	0.0038	0.9491	0.0143	0.0029	0.0143
Chrysene	31	0.0187	0.4687	0.0234	0.0375	0.0800	2.1345	0.0234	0.0254	0.0234
Copper	33	0.0031	0.2553	0.0077	0.0308	0.0627	2.0323	0.1914	0.0113	0.1914
delta-BHC	32	0.7771	0.7771	0.7771	0.7771	0.0000	0.0000	0.7771	0.7771	0.7771
Dibenzo(a,h)anthracene	29	0.0189	0.4729	0.0236	0.0388	0.0835	2.1514	0.0236	0.0258	0.0236
Endosulfan I	33	0.3738	2.2428	0.6230	0.6910	0.3208	0.4643	0.9719	0.6549	0.8842

Table C-5
BSAF Summary Statistics for River Otter and Mink

Groups: 4A, 4B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Endosulfan II	33	0.3069	3.0687	0.5115	0.8617	0.7526	0.8733	2.6800	0.6807	2.6759
Endrin	33	0.2803	2.2423	0.4671	0.5535	0.3299	0.5961	0.9343	0.5112	0.9343
Fluoranthene	33	0.0179	0.4463	0.0223	0.0349	0.0739	2.1169	0.0223	0.0241	0.0223
Fluorene	33	0.0179	0.4468	0.0223	0.0349	0.0740	2.1169	0.0223	0.0241	0.0223
gamma-BHC (Lindane)	33	0.5284	0.8807	0.8807	0.8700	0.0613	0.0705	0.8807	0.8672	0.8807
gamma-Chlordane	36	0.5650	6.3275	0.5650	1.3947	1.4431	1.0347	4.2371	0.9666	4.2360
Heptachlor	33	0.6095	2.3161	0.6095	0.6612	0.2971	0.4493	0.6095	0.6347	0.6095
Heptachlor Epoxide	34	0.6308	3.7848	0.6308	0.7517	0.5522	0.7347	1.0252	0.6861	0.9936
Hexachloro-1,3-butadiene	33	0.0201	0.5032	0.0252	0.0643	0.1039	1.6169	0.2315	0.0380	0.2009
Hexachlorobenzene	33	0.0173	0.4331	0.0217	0.0459	0.0848	1.8464	0.2165	0.0269	0.2155
Hexachloroethane	33	0.0201	0.5035	0.0252	0.0394	0.0833	2.1169	0.0252	0.0272	0.0252
Indeno(1,2,3-cd)pyrene	29	0.0191	0.4774	0.0239	0.0392	0.0843	2.1514	0.0239	0.0261	0.0239
Lead	33	0.0001	0.0421	0.0009	0.0043	0.0085	1.9668	0.0180	0.0012	0.0180
Mercury	57	0.0218	0.6530	0.1029	0.1478	0.1214	0.8214	0.3473	0.1067	0.3472
Methoxychlor	33	0.1543	1.2807	0.1543	0.2572	0.2388	0.9287	0.6604	0.2070	0.6602
Nickel	33	0.0015	0.0983	0.0049	0.0093	0.0169	1.8207	0.0226	0.0058	0.0211
OCDD	7	0.0002	0.0386	0.0003	0.0072	0.0141	1.9633	0.0287	0.0011	0.0217
OCDF	7	0.0000	0.0010	0.0000	0.0002	0.0004	1.6271	0.0008	0.0001	0.0008
PCB-105	7	0.0131	0.4083	0.1012	0.1854	0.1618	0.8730	0.4067	0.1165	0.4067
PCB-114	7	0.0091	0.3723	0.0847	0.1583	0.1435	0.9064	0.3659	0.0977	0.3658
PCB-118	7	0.0892	3.1208	0.7536	1.3548	1.1961	0.8828	3.0397	0.8390	3.0371
PCB-126	7	0.0103	0.5269	0.0695	0.1926	0.2242	1.1642	0.5166	0.0831	0.5164
PCB-156	7	0.0160	0.7027	0.1576	0.2758	0.2553	0.9254	0.6531	0.1644	0.6484
PCB-157	7	0.0174	0.6753	0.1642	0.2882	0.2487	0.8630	0.6408	0.1786	0.6385
PCB-167	7	0.0191	0.8884	0.2155	0.3502	0.3411	0.9740	0.8513	0.1977	0.8493
PCB-169	7	0.0829	0.0921	0.0833	0.0847	0.0033	0.0395	0.0899	0.0846	0.0899
PCB-189	7	0.0133	1.1657	0.1622	0.3733	0.4486	1.2019	1.0703	0.1616	1.0594
Pentachlorophenol	13	0.0219	0.9126	0.0219	0.0904	0.2470	2.7322	0.3782	0.0292	0.0974
Phenanthrene	33	0.0200	0.5011	0.0251	0.0392	0.0829	2.1169	0.0251	0.0271	0.0251
Pyrene	31	0.0182	0.4553	0.0228	0.0364	0.0777	2.1345	0.0228	0.0247	0.0228
Selenium	57	0.0348	3.4816	0.6459	0.9890	0.7737	0.7822	2.8317	0.7457	2.8303
Total Chlordane (U=1/2; max ND)	57	0.5871	5.4016	1.3504	1.3528	1.0060	0.7437	3.3702	1.1112	3.3663
Total DDT (U=1/2; max ND)	57	0.2863	8.1260	0.8900	0.9740	1.1400	1.1705	2.0431	0.7418	2.0021
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	7	0.0017	0.2219	0.0097	0.0581	0.0871	1.4997	0.1968	0.0165	0.1925
Total HPAH (U=1/2; max ND)	33	0.0111	0.2787	0.0139	0.0218	0.0461	2.1169	0.0139	0.0151	0.0139
Total LPAH (U=1/2; max ND)	33	0.0085	0.2130	0.0106	0.0176	0.0355	2.0153	0.0235	0.0120	0.0186
Total PAH (U=1/2; max ND)	33	0.0037	0.0930	0.0047	0.0084	0.0165	1.9665	0.0196	0.0054	0.0112
Total PCB Cong-209 (U=0, max RL)	7	0.0062	0.2411	0.0633	0.1050	0.0965	0.9188	0.2405	0.0628	0.2405
Total PCB Congs (U=1/2; max ND)	7	0.0361	1.4016	0.3673	0.6095	0.5597	0.9183	1.3967	0.3652	1.3967
Total PCBs (U=0, max RL)	32	0.0146	12.5679	0.3858	2.1607	3.3569	1.5537	9.7621	0.4669	9.6086
Total PCBs (U=1/2; max ND)	57	0.0175	7.5625	0.1749	0.8821	1.6811	1.9057	4.1799	0.1943	4.1641
Zinc	33	0.0206	0.1562	0.0625	0.0747	0.0420	0.5617	0.1502	0.0641	0.1502

Table C-5
BSAF Summary Statistics for River Otter and Mink

Groups: 4A, 4B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Groups: 1										
1,2,3,4,6,7,8-HpCDD	18	0.0004	0.0025	0.0010	0.0012	0.0007	0.5786	0.0024	0.0011	0.0024
1,2,3,4,6,7,8-HpCDF	18	0.0001	0.0272	0.0004	0.0029	0.0069	2.3874	0.0160	0.0007	0.0155
1,2,3,4,7,8,9-HpCDF	18	0.0000	0.0068	0.0004	0.0010	0.0017	1.6379	0.0042	0.0004	0.0041
1,2,3,4,7,8-HxCDD	18	0.0018	0.1200	0.0046	0.0148	0.0282	1.9113	0.0494	0.0063	0.0441
1,2,3,4,7,8-HxCDF	18	0.0004	0.0053	0.0016	0.0018	0.0012	0.7028	0.0039	0.0014	0.0038
1,2,3,6,7,8-HxCDD	18	0.0016	0.0310	0.0044	0.0071	0.0075	1.0545	0.0184	0.0049	0.0178
1,2,3,6,7,8-HxCDF	18	0.0039	0.0808	0.0114	0.0180	0.0180	0.9967	0.0378	0.0130	0.0350
1,2,3,7,8,9-HxCDD	18	0.0029	0.0221	0.0056	0.0063	0.0043	0.6807	0.0110	0.0055	0.0103
1,2,3,7,8,9-HxCDF	18	0.0002	0.0932	0.0011	0.0141	0.0253	1.8005	0.0620	0.0025	0.0609
1,2,3,7,8-PeCDD	18	0.0052	0.2092	0.0147	0.0362	0.0515	1.4230	0.1354	0.0209	0.1327
1,2,3,7,8-PeCDF	18	0.0032	0.0221	0.0076	0.0085	0.0042	0.4948	0.0143	0.0077	0.0140
2,3,4,6,7,8-HxCDF	18	0.0004	0.0241	0.0013	0.0044	0.0062	1.4206	0.0154	0.0021	0.0151
2,3,4,7,8-PeCDF	18	0.0061	0.1166	0.0211	0.0289	0.0253	0.8725	0.0638	0.0226	0.0611
2,3,7,8-TCDD	18	0.0077	0.2309	0.0275	0.0440	0.0512	1.1621	0.1086	0.0305	0.1007
2,3,7,8-TCDF	18	0.0126	0.1551	0.0404	0.0551	0.0378	0.6860	0.1097	0.0441	0.1083
2-Methylnaphthalene	77	0.0057	0.5308	0.1202	0.1542	0.1343	0.8706	0.3664	0.0900	0.3664
4,4'-DDD	78	0.1564	1.3584	0.6236	0.6700	0.4999	0.7462	1.3279	0.4740	1.3279
4,4'-DDE	79	0.1620	14.5333	0.7085	0.9862	1.6709	1.6943	1.6998	0.5656	1.6998
4,4'-DDT	78	0.1638	21.5117	0.6131	1.0245	2.3859	2.3290	1.3325	0.6715	1.3324
Acenaphthene	77	0.0057	0.5547	0.1202	0.1506	0.1324	0.8793	0.3582	0.0884	0.3582
Acenaphthylene	77	0.0060	0.5540	0.1322	0.1631	0.1408	0.8635	0.3938	0.0968	0.3938
Aldrin	78	0.1484	2.2887	0.8554	1.0365	0.8930	0.8616	2.2887	0.6294	2.2887
alpha-Chlordane	78	0.1782	2.6915	0.8393	1.1747	1.0152	0.8643	2.6915	0.7292	2.6915
Anthracene	77	0.0060	0.5768	0.1285	0.1605	0.1411	0.8793	0.3820	0.0944	0.3820
Aroclor-1016	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1221	72	0.0119	0.3644	0.0587	0.0808	0.0769	0.9515	0.2405	0.0583	0.2405
Aroclor-1232	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1242	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1248	72	0.0233	0.7368	0.1142	0.1611	0.1565	0.9710	0.4863	0.1148	0.4863
Aroclor-1254	78	0.0186	2.0367	0.3031	0.4428	0.4380	0.9892	1.3036	0.2406	1.3034
Aroclor-1260	77	0.0233	1.3974	0.1732	0.2887	0.2500	0.8659	0.7272	0.2057	0.7238
Arsenic	78	0.0089	0.2686	0.0575	0.0612	0.0326	0.5324	0.0953	0.0558	0.0953
Benzo(a)anthracene	74	0.0057	0.5918	0.1394	0.1741	0.1524	0.8756	0.3945	0.1015	0.3945
Benzo(a)pyrene	54	0.0057	0.6834	0.0626	0.1657	0.1796	1.0841	0.5406	0.0822	0.5389
Benzo(b)fluoranthene	54	0.0055	0.5716	0.0596	0.1545	0.1651	1.0681	0.4804	0.0765	0.4800
Benzo(g,h,i)perylene	54	0.0058	0.6092	0.0610	0.1564	0.1693	1.0825	0.4980	0.0773	0.4980
Benzo(k)fluoranthene	54	0.0054	0.5984	0.0590	0.1595	0.1716	1.0757	0.4869	0.0778	0.4869
beta-BHC	78	0.0543	2.2887	0.6842	0.9344	0.9388	1.0047	2.2887	0.3861	2.2887
Cadmium	78	0.0107	0.1135	0.0168	0.0207	0.0157	0.7577	0.0484	0.0179	0.0484
Chromium	78	0.0019	0.0153	0.0051	0.0055	0.0025	0.4518	0.0093	0.0050	0.0093
Chrysene	74	0.0055	0.5646	0.1323	0.1591	0.1371	0.8620	0.3697	0.0948	0.3697
Copper	78	0.0083	0.2236	0.0382	0.0524	0.0452	0.8630	0.1613	0.0412	0.1611
delta-BHC	78	0.3019	2.2887	0.8511	1.1406	0.8002	0.7015	2.2887	0.8748	2.2887
Dibenzo(a,h)anthracene	54	0.0058	0.5300	0.0600	0.1500	0.1597	1.0651	0.4483	0.0737	0.4471
Endosulfan I	78	0.1745	2.2887	0.8393	1.0671	0.8658	0.8114	2.2887	0.7022	2.2887
Endosulfan II	78	0.1761	1.3584	0.6443	0.7343	0.4471	0.6090	1.3279	0.5929	1.3279
Endrin	78	0.1589	1.3584	0.6456	0.6900	0.4859	0.7042	1.3279	0.5075	1.3279

Table C-5
BSAF Summary Statistics for River Otter and Mink

Groups: 4A, 4B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Fluoranthene	77	0.0052	0.5106	0.1341	0.1494	0.1343	0.8986	0.4013	0.0884	0.4013
Fluorene	77	0.0052	0.5533	0.1286	0.1520	0.1338	0.8804	0.3587	0.0885	0.3587
gamma-BHC (Lindane)	78	0.2983	2.2887	0.8393	1.1950	0.7544	0.6314	2.2887	0.9727	2.2887
gamma-Chlordane	78	0.1780	2.5763	0.7602	1.1167	0.9891	0.8857	2.5763	0.6911	2.5763
Heptachlor	78	0.2322	2.2887	0.8393	1.0986	0.8387	0.7634	2.2887	0.7778	2.2887
Heptachlor Epoxide	78	0.1736	2.2887	0.8393	1.0810	0.8568	0.7925	2.2887	0.7208	2.2887
Hexachloro-1,3-butadiene	77	0.0060	0.5638	0.1284	0.1712	0.1493	0.8722	0.4482	0.1004	0.4482
Hexachlorobenzene	77	0.0060	0.5638	0.1207	0.1409	0.1227	0.8708	0.3056	0.0849	0.3056
Hexachloroethane	77	0.0060	0.5638	0.1284	0.1729	0.1515	0.8759	0.4601	0.1010	0.4601
Indeno(1,2,3-cd)pyrene	54	0.0058	0.5725	0.0614	0.1547	0.1665	1.0761	0.4725	0.0757	0.4721
Lead	78	0.0002	0.0666	0.0041	0.0054	0.0077	1.4154	0.0114	0.0034	0.0114
Mercury	78	0.0402	0.6365	0.1581	0.1786	0.1300	0.7277	0.4850	0.1389	0.4850
Methoxychlor	78	0.0474	0.3109	0.2014	0.1964	0.0826	0.4206	0.3109	0.1760	0.3109
Nickel	78	0.0009	0.0458	0.0036	0.0052	0.0060	1.1471	0.0093	0.0039	0.0093
OCDD	18	0.0002	0.0037	0.0006	0.0010	0.0009	0.8964	0.0023	0.0007	0.0023
OCDF	18	0.0000	0.0010	0.0004	0.0004	0.0003	0.7458	0.0008	0.0003	0.0008
PCB-105	18	0.0140	0.8077	0.2416	0.2672	0.2540	0.9508	0.7932	0.1373	0.7932
PCB-114	18	0.0085	0.2692	0.0787	0.0894	0.0805	0.8997	0.2533	0.0553	0.2532
PCB-118	18	0.1299	7.6129	0.4863	1.7409	2.5047	1.4387	7.5215	0.7221	7.5214
PCB-126	18	0.0190	0.4481	0.0398	0.0992	0.1437	1.4486	0.4349	0.0537	0.4348
PCB-156	18	0.0253	0.5635	0.1794	0.1918	0.1644	0.8571	0.5239	0.1268	0.5237
PCB-157	18	0.0379	0.6228	0.2038	0.2203	0.1813	0.8230	0.5944	0.1537	0.5943
PCB-167	18	0.0501	0.5121	0.1690	0.1875	0.1392	0.7425	0.4718	0.1461	0.4715
PCB-169	18	0.0324	0.1706	0.0774	0.0830	0.0419	0.5045	0.1349	0.0730	0.1342
PCB-189	18	0.0318	0.1821	0.0653	0.0806	0.0446	0.5527	0.1728	0.0709	0.1728
Pentachlorophenol	20	0.0243	0.4456	0.1720	0.2006	0.1394	0.6950	0.4261	0.1399	0.4260
Phenanthrene	77	0.0064	0.5745	0.1285	0.1662	0.1442	0.8677	0.3959	0.1010	0.3959
Pyrene	74	0.0052	0.5949	0.1273	0.1535	0.1382	0.9007	0.3855	0.0900	0.3855
Selenium	78	0.3666	3.2117	0.6207	0.6614	0.3285	0.4967	0.8828	0.6236	0.8828
Total Chlordane (U=1/2; max ND)	78	0.1887	2.6326	0.7890	1.1374	1.0063	0.8847	2.6326	0.7014	2.6326
Total DDT (U=1/2; max ND)	78	0.1479	11.6163	0.5979	0.7717	1.3339	1.7284	1.2861	0.4566	1.2859
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	18	0.0026	0.0523	0.0120	0.0148	0.0116	0.7862	0.0326	0.0115	0.0317
Total HPAH (U=1/2; max ND)	77	0.0035	0.2666	0.0849	0.0764	0.0645	0.8449	0.1990	0.0485	0.1990
Total LPAH (U=1/2; max ND)	77	0.0017	0.4718	0.1200	0.1390	0.1157	0.8320	0.3255	0.0771	0.3255
Total PAH (U=1/2; max ND)	77	0.0007	0.3348	0.0678	0.0691	0.0591	0.8561	0.1659	0.0375	0.1659
Total PCB Cong-209 (U=0, max RL)	18	0.0000	5.8078	0.0323	1.1786	2.0317	1.7238	5.7949	0.0607	5.7949
Total PCB Congs (U=1/2; max ND)	18	0.0293	5.8039	0.1918	1.2530	1.9888	1.5873	5.7923	0.2945	5.7923
Total PCBs (U=0, max RL)	78	0.0120	1.7268	0.2944	0.3987	0.3826	0.9598	1.0763	0.2105	1.0763
Total PCBs (U=1/2; max ND)	79	0.0115	0.8070	0.2264	0.2271	0.1672	0.7364	0.5164	0.1528	0.5163
Zinc	78	0.1108	0.6802	0.2301	0.2363	0.0845	0.3576	0.3861	0.2242	0.3861

Table C-6
BSAF Summary Statistics for Carnivorous Fish

Groups: 4A, 4B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
1,2,3,4,6,7,8-HpCDD	7	0.0004	0.0377	0.0008	0.0090	0.0137	1.5283	0.0306	0.0024	0.0281
1,2,3,4,6,7,8-HpCDF	7	0.0001	0.0312	0.0080	0.0098	0.0107	1.0933	0.0262	0.0043	0.0248
1,2,3,4,7,8,9-HpCDF	7	0.0001	0.0026	0.0002	0.0006	0.0009	1.4853	0.0021	0.0003	0.0019
1,2,3,4,7,8-HxCDD	7	0.0045	0.0566	0.0128	0.0247	0.0223	0.9013	0.0555	0.0162	0.0555
1,2,3,4,7,8-HxCDF	7	0.0000	0.0260	0.0012	0.0071	0.0110	1.5537	0.0241	0.0013	0.0240
1,2,3,6,7,8-HxCDD	7	0.0033	0.2758	0.0169	0.0746	0.1006	1.3473	0.2288	0.0248	0.2145
1,2,3,6,7,8-HxCDF	7	0.0023	0.0613	0.0143	0.0222	0.0226	1.0157	0.0568	0.0133	0.0563
1,2,3,7,8,9-HxCDD	7	0.0047	0.0870	0.0127	0.0300	0.0312	1.0402	0.0777	0.0179	0.0763
1,2,3,7,8,9-HxCDF	7	0.0004	0.0215	0.0006	0.0057	0.0088	1.5570	0.0196	0.0016	0.0194
1,2,3,7,8-PeCDD	7	0.0029	0.2508	0.0143	0.0663	0.0914	1.3786	0.2054	0.0201	0.1901
1,2,3,7,8-PeCDF	7	0.0038	0.4552	0.0169	0.1104	0.1763	1.5965	0.3943	0.0294	0.3813
1,2-Dichlorobenzene	1	15.1749	15.1749	15.1749	15.1749			15.1749	15.1749	15.1749
1,3-Dichlorobenzene	1	15.7881	15.7881	15.7881	15.7881			15.7881	15.7881	15.7881
1,4-Dichlorobenzene	1	15.6984	15.6984	15.6984	15.6984			15.6984	15.6984	15.6984
2,3,4,6,7,8-HxCDF	7	0.0002	0.0351	0.0017	0.0098	0.0143	1.4642	0.0321	0.0024	0.0318
2,3,4,7,8-PeCDF	7	0.0003	0.2948	0.0029	0.0682	0.1165	1.7093	0.2556	0.0058	0.2473
2,3,7,8-TCDD	7	0.0056	0.3360	0.0121	0.1215	0.1484	1.2216	0.3248	0.0361	0.3243
2,3,7,8-TCDF	7	0.0019	1.1039	0.0256	0.2705	0.4356	1.6103	0.9674	0.0368	0.9413
2-Methylnaphthalene	32	0.0190	0.4746	0.0237	0.0375	0.0798	2.1258	0.0237	0.0257	0.0237
4,4'-DDD	37	0.2553	4.4000	0.4255	0.8287	1.0351	1.2490	3.3300	0.5711	3.3124
4,4'-DDE	46	0.2703	41.4714	0.9255	3.5246	7.7128	2.1883	18.0813	1.2172	18.0781
4,4'-DDT	35	0.1599	20.5645	0.5712	1.6591	3.7891	2.2838	8.1230	0.7779	8.0770
Acenaphthene	31	0.0186	0.4638	0.0232	0.0371	0.0792	2.1327	0.0237	0.0252	0.0236
Acenaphthylene	32	0.0196	0.4893	0.0245	0.0387	0.0822	2.1258	0.0245	0.0265	0.0245
Aldrin	32	0.2785	5.4779	0.4642	1.2331	1.5351	1.2449	4.8930	0.7576	4.8852
alpha-Chlordane	34	0.4638	5.6141	0.6102	1.4297	1.5497	1.0839	5.0466	0.9598	5.0462
Anthracene	32	0.0192	0.4802	0.0240	0.0380	0.0807	2.1258	0.0240	0.0260	0.0240
Aroclor-1016	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1221	31	0.0407	0.6921	0.0407	0.0735	0.1323	1.7990	0.2239	0.0480	0.1287
Aroclor-1232	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1242	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1248	31	0.0806	1.3710	0.0806	0.1457	0.2621	1.7990	0.4435	0.0952	0.2550
Aroclor-1254	39	0.0165	7.6038	0.4298	1.4144	1.9550	1.3822	5.5210	0.4419	5.4851
Aroclor-1260	32	0.0786	31.4499	0.7705	4.8870	7.9314	1.6230	22.4080	1.0418	22.0719
Arsenic	57	0.0032	0.5430	0.1068	0.1197	0.0895	0.7475	0.2676	0.0965	0.2645
Benzo(a)anthracene	31	0.0192	0.4798	0.0240	0.0384	0.0819	2.1345	0.0240	0.0260	0.0240
Benzo(a)pyrene	28	0.0192	0.4808	0.0240	0.0400	0.0864	2.1594	0.0240	0.0263	0.0240
Benzo(b)fluoranthene	29	0.0186	0.4661	0.0233	0.0383	0.0823	2.1514	0.0233	0.0254	0.0233
Benzo(g,h,i)perylene	29	0.0190	0.4754	0.0238	0.0390	0.0839	2.1514	0.0238	0.0260	0.0238
Benzo(k)fluoranthene	29	0.0190	0.4742	0.0237	0.0389	0.0837	2.1514	0.0237	0.0259	0.0237
beta-BHC	32	0.1910	11.4576	0.6684	2.5302	3.1897	1.2607	9.0897	0.9007	9.0582
Cadmium	33	0.0036	0.6058	0.0036	0.0246	0.1044	4.2506	0.0121	0.0064	0.0121
Chromium	57	0.0001	0.0174	0.0031	0.0040	0.0038	0.9491	0.0143	0.0029	0.0143
Chrysene	31	0.0187	0.4687	0.0234	0.0375	0.0800	2.1345	0.0234	0.0254	0.0234
Copper	33	0.0031	0.2553	0.0077	0.0308	0.0627	2.0323	0.1914	0.0113	0.1914
delta-BHC	32	0.7771	0.7771	0.7771	0.7771	0.0000	0.0000	0.7771	0.7771	0.7771
Dibenzo(a,h)anthracene	29	0.0189	0.4729	0.0236	0.0388	0.0835	2.1514	0.0236	0.0258	0.0236
Endosulfan I	33	0.3738	2.2428	0.6230	0.6910	0.3208	0.4643	0.9719	0.6549	0.8842
Endosulfan II	33	0.3069	3.0687	0.5115	0.8617	0.7526	0.8733	2.6800	0.6807	2.6759
Endrin	33	0.2803	2.2423	0.4671	0.5535	0.3299	0.5961	0.9343	0.5112	0.9343
Fluoranthene	33	0.0179	0.4463	0.0223	0.0349	0.0739	2.1169	0.0223	0.0241	0.0223

Table C-6
BSAF Summary Statistics for Carnivorous Fish

Groups: 4A, 4B

Chemical	N	Minimum	Maximum	Median	Mean	Standard Devation	Coefficient of Variation	95th Percentile	Geometric Mean	Lognormal 95th Percentile
Fluorene	33	0.0179	0.4468	0.0223	0.0349	0.0740	2.1169	0.0223	0.0241	0.0223
gamma-BHC (Lindane)	33	0.5284	0.8807	0.8807	0.8700	0.0613	0.0705	0.8807	0.8672	0.8807
gamma-Chlordane	36	0.5650	6.3275	0.5650	1.3947	1.4431	1.0347	4.2371	0.9666	4.2360
Heptachlor	33	0.6095	2.3161	0.6095	0.6612	0.2971	0.4493	0.6095	0.6347	0.6095
Heptachlor Epoxide	34	0.6308	3.7848	0.6308	0.7517	0.5522	0.7347	1.0252	0.6861	0.9936
Hexachloro-1,3-butadiene	33	0.0201	0.5032	0.0252	0.0643	0.1039	1.6169	0.2315	0.0380	0.2009
Hexachlorobenzene	33	0.0173	0.4331	0.0217	0.0459	0.0848	1.8464	0.2165	0.0269	0.2155
Hexachloroethane	33	0.0201	0.5035	0.0252	0.0394	0.0833	2.1169	0.0252	0.0272	0.0252
Indeno(1,2,3-cd)pyrene	29	0.0191	0.4774	0.0239	0.0392	0.0843	2.1514	0.0239	0.0261	0.0239
Lead	33	0.0001	0.0421	0.0009	0.0043	0.0085	1.9668	0.0180	0.0012	0.0180
Mercury	57	0.0218	0.6530	0.1029	0.1478	0.1214	0.8214	0.3473	0.1067	0.3472
Methoxychlor	33	0.1543	1.2807	0.1543	0.2572	0.2388	0.9287	0.6604	0.2070	0.6602
Nickel	33	0.0015	0.0983	0.0049	0.0093	0.0169	1.8207	0.0226	0.0058	0.0211
OCDD	7	0.0002	0.0386	0.0003	0.0072	0.0141	1.9633	0.0287	0.0011	0.0217
OCDF	7	0.0000	0.0010	0.0000	0.0002	0.0004	1.6271	0.0008	0.0001	0.0008
PCB-105	7	0.0131	0.4083	0.1012	0.1854	0.1618	0.8730	0.4067	0.1165	0.4067
PCB-114	7	0.0091	0.3723	0.0847	0.1583	0.1435	0.9064	0.3659	0.0977	0.3658
PCB-118	7	0.0892	3.1208	0.7536	1.3548	1.1961	0.8828	3.0397	0.8390	3.0371
PCB-126	7	0.0103	0.5269	0.0695	0.1926	0.2242	1.1642	0.5166	0.0831	0.5164
PCB-156	7	0.0160	0.7027	0.1576	0.2758	0.2553	0.9254	0.6531	0.1644	0.6484
PCB-157	7	0.0174	0.6753	0.1642	0.2882	0.2487	0.8630	0.6408	0.1786	0.6385
PCB-167	7	0.0191	0.8884	0.2155	0.3502	0.3411	0.9740	0.8513	0.1977	0.8493
PCB-169	7	0.0829	0.0921	0.0833	0.0847	0.0033	0.0395	0.0899	0.0846	0.0899
PCB-189	7	0.0133	1.1657	0.1622	0.3733	0.4486	1.2019	1.0703	0.1616	1.0594
Pentachlorophenol	13	0.0219	0.9126	0.0219	0.0904	0.2470	2.7322	0.3782	0.0292	0.0974
Phenanthrene	33	0.0200	0.5011	0.0251	0.0392	0.0829	2.1169	0.0251	0.0271	0.0251
Pyrene	31	0.0182	0.4553	0.0228	0.0364	0.0777	2.1345	0.0228	0.0247	0.0228
Selenium	57	0.0348	3.4816	0.6459	0.9890	0.7737	0.7822	2.8317	0.7457	2.8303
Total Chlordane (U=1/2; max ND)	57	0.5871	5.4016	1.3504	1.3528	1.0060	0.7437	3.3702	1.1112	3.3663
Total DDT (U=1/2; max ND)	57	0.2863	8.1260	0.8900	0.9740	1.1400	1.1705	2.0431	0.7418	2.0021
Total Dioxin/Furan TEQ mammal (U=1/2; max ND)	7	0.0017	0.2219	0.0097	0.0581	0.0871	1.4997	0.1968	0.0165	0.1925
Total HPAH (U=1/2; max ND)	33	0.0111	0.2787	0.0139	0.0218	0.0461	2.1169	0.0139	0.0151	0.0139
Total LPAH (U=1/2; max ND)	33	0.0085	0.2130	0.0106	0.0176	0.0355	2.0153	0.0235	0.0120	0.0186
Total PAH (U=1/2; max ND)	33	0.0037	0.0930	0.0047	0.0084	0.0165	1.9665	0.0196	0.0054	0.0112
Total PCB Cong-209 (U=0, max RL)	7	0.0062	0.2411	0.0633	0.1050	0.0965	0.9188	0.2405	0.0628	0.2405
Total PCB Congs (U=1/2; max ND)	7	0.0361	1.4016	0.3673	0.6095	0.5597	0.9183	1.3967	0.3652	1.3967
Total PCBs (U=0, max RL)	32	0.0146	12.5679	0.3858	2.1607	3.3569	1.5537	9.7621	0.4669	9.6086
Total PCBs (U=1/2; max ND)	57	0.0175	7.5625	0.1749	0.8821	1.6811	1.9057	4.1799	0.1943	4.1641
Zinc	33	0.0206	0.1562	0.0625	0.0747	0.0420	0.5617	0.1502	0.0641	0.1502

Table C-7
Total Daily Intake and Hazard Quotient Worksheet for Double Crested Cormorant

Scenario: Hypothetical T&E receptor of concern - Double Crested Cormorant

Exposure Assessment

Exposure Model

$$TDI = \left[FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) + \left(C_s \times IR_s \right) \right] \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
IR_s	Ingestion rate of sediment (kg DW/kg BW/day)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b} \right) \times CF_1 \right)}{BW \times CF_2}$$

a	
b	
BW	
CF_1	
CF_2	

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor

FMR	243.0336718	kcal/day/kg BW
PD	1	unitless
AE_{fish}	0.62	unitless
AE_{invert}	0.61	unitless
GE_{fish}	850	$kcal/kg_{fish}$
GE_{invert}	750	$kcal/kg_{invertebrate}$
IR_s	0.003	kg DW/kg BW/day
AUF	1	unitless
BW	2300	g
a	14.25	unitless
b	0.659	unitless

Table C-7
Total Daily Intake and Hazard Quotient Worksheet for Double Crested Cormorant

Chemical	95UCL C_s (mg/kg_{dw})	95th percentile BSAF fish class 1,2,3	95th percentile BSAF invert class 1	TEF	95th percentile TDI ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ NOAEL	COPC
Arsenic	78.3	0.220	0.253	--	8.429E+00	2.46	3.43	Yes
Cadmium	0.985	0.0779	2.24	--	1.519E-01	1.45	0.105	No
Chromium	207	0.0146	0.0318	--	2.205E+00	1.00	2.21	Yes
Copper	109	0.124	0.514	--	8.903E+00	47.0	0.189	No
Lead	158	0.0215	0.0216	--	2.050E+00	1.13	1.81	Yes
Mercury	81.9	0.540	2090	--	9.112E+03	0.00640	1420000	Yes
Nickel	52.8	0.0293	0.268	--	1.547E+00	77.4	0.0200	No
Selenium	1.20	1.06	1.34	--	6.168E-01	1.80	0.343	No
Zinc	721	0.363	0.218	--	1.191E+02	14.5	8.21	Yes
2-Methylnaphthalene	10.5	0.366	3.76	--	3.723E+00	1.11	3.35	Yes
Acenaphthene	7.96	0.358	3.45	--	2.665E+00	1.01	2.64	Yes
Acenaphthylene	8.59	0.394	3.18	--	2.881E+00	1.01	2.85	Yes
Anthracene	6.49	0.382	2.92	--	2.055E+00	1.11	1.85	Yes
Benzo(a)anthracene	2.75	0.480	2.47	--	9.167E-01	280	0.00327	No
Benzo(a)pyrene	2.59	0.562	2.06	--	8.951E-01	280	0.00320	No
Benzo(b)fluoranthene	2.33	0.491	2.69	--	8.146E-01	280	0.00291	No
Benzo(g,h,i)perylene	3.06	0.499	2.92	--	1.117E+00	280	0.00399	No
Benzo(k)fluoranthene	2.24	0.551	2.69	--	8.389E-01	280	0.00300	No
Chrysene	3.04	0.370	2.09	--	8.132E-01	280	0.00290	No
Dibenzo(a,h)anthracene	2.84	0.465	3.45	--	1.077E+00	280	0.00385	No
Fluoranthene	5.47	0.426	3.65	--	2.044E+00	280	0.00730	No
Fluorene	5.56	0.359	3.45	--	1.864E+00	1.01	1.85	Yes
Indeno(1,2,3-cd)pyrene	0.832	0.482	3.18	--	3.094E-01	280	0.00111	No
Naphthalene[a]	28.8	0.366	0.0301	--	4.505E+00	1.11	4.06	Yes
Phenanthrene	13.7	0.396	2.92	--	4.417E+00	1.13	3.91	Yes
Pyrene	11.2	0.386	3.73	--	4.046E+00	280	0.0145	No
Total HPAH 16	26.4	0.199	7.42	--	1.266E+01	280	0.0452	No
Total LPAH 16	137	0.325	5.84	--	6.138E+01	1.01	60.8	Yes
Total PAH 16	63.7	0.172	10.4	--	3.992E+01	281	0.142	No
Aroclor 1248	60.4	0.575	1.20	--	1.844E+01	0.410	45.0	Yes
Aroclor 1254	2.36	4.43	3.92	--	4.838E+00	0.180	26.9	Yes
Aroclor 1260	0.820	3.20	1.19	--	1.143E+00	8.33	0.137	No
Total PCB Aroclors	127	2.34	1.38	--	--	0.410	--	--
PCB-077[b]	0.0350	1.74	0.681	0.0001	2.664E-02	see PCB congener TEQ		
PCB-081[b]	0.00154	1.74	0.681	0.0003	1.172E-03	see PCB congener TEQ		
PCB-105	0.107	1.74	0.681	0.00003	8.146E-02	see PCB congener TEQ		
PCB-114	0.00687	1.29	0.156	0.00003	3.755E-03	see PCB congener TEQ		
PCB-118	0.122	6.00	0.729	0.00003	3.089E-01	see PCB congener TEQ		
PCB-123[c]	0.0361	0.761	0.472	0.00003	1.241E-02	see PCB congener TEQ		
PCB-126	0.000726	0.761	0.472	0.1	2.496E-04	see PCB congener TEQ		
PCB-156	0.00970	1.69	0.132	0.00003	6.900E-03	see PCB congener TEQ		
PCB-157	0.00970	1.79	0.261	0.00003	7.369E-03	see PCB congener TEQ		
PCB-167	0.00294	1.54	0.406	0.00003	1.951E-03	see PCB congener TEQ		
PCB-169	0.000141	0.171	0.0408	0.03	1.072E-05	see PCB congener TEQ		
PCB-189	0.00106	0.698	0.0620	0.00003	3.137E-04	see PCB congener TEQ		
PCB congeners TEQ	NA	--	--	--	4.511E-01	0.0000140	32200	Yes
1,2,3,4,6,7,8-HpCDD	0.000779	0.0134	0.813	0.01	4.024E-05	see Dioxin/furan congener TEQ		
1,2,3,4,6,7,8-HpCDF	0.00109	0.0429	0.599	0.01	5.726E-05	see Dioxin/furan congener TEQ		
1,2,3,4,7,8,9-HpCDF	0.000134	0.00863	0.890	0.01	7.205E-06	see Dioxin/furan congener TEQ		
1,2,3,4,7,8-HxCDD	0.0000138	0.0472	0.644	0.1	7.825E-07	see Dioxin/furan congener TEQ		
1,2,3,4,7,8-HxCDF	0.000392	0.121	0.410	0.1	2.936E-05	see Dioxin/furan congener TEQ		

Table C-7
Total Daily Intake and Hazard Quotient Worksheet for Double Crested Cormorant

Chemical	95UCL C_s (mg/kg_{dw})	95th percentile BSAF fish class 1,2,3	95th percentile BSAF invert class 1	TEF	95th percentile TDI ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ NOAEL	COPC
1,2,3,6,7,8-HxCDD	0.0000443	0.0330	0.441	0.1	1.773E-06	see Dioxin/furan congener TEQ		
1,2,3,6,7,8-HxCDF	0.000120	0.372	0.665	0.1	2.312E-05	see Dioxin/furan congener TEQ		
1,2,3,7,8,9-HxCDD	0.0000256	0.0341	0.399	0.1	9.793E-07	see Dioxin/furan congener TEQ		
1,2,3,7,8,9-HxCDF	0.00000931	0.0673	0.463	0.1	5.161E-07	see Dioxin/furan congener TEQ		
1,2,3,7,8-PeCDD	0.00000548	0.277	0.668	1	8.404E-07	see Dioxin/furan congener TEQ		
1,2,3,7,8-PeCDF	0.000208	0.738	0.860	0.03	7.382E-05	see Dioxin/furan congener TEQ		
2,3,4,6,7,8-HxCDF	0.0000229	0.0256	1.26	0.1	1.843E-06	see Dioxin/furan congener TEQ		
2,3,4,7,8-PeCDF	0.0000803	0.898	0.781	0.3	3.349E-05	see Dioxin/furan congener TEQ		
2,3,7,8-TCDD	0.000398	0.853	2.07	1	1.858E-04	see Dioxin/furan congener TEQ		
2,3,7,8-TCDF	0.000329	0.503	1.92	0.1	1.032E-04	see Dioxin/furan congener TEQ		
OCDD	0.00868	0.0162	0.615	0.0003	3.672E-04	see Dioxin/furan congener TEQ		
OCDF	0.0379	0.00936	0.360	0.0003	9.821E-04	see Dioxin/furan congener TEQ		
Dioxin/furan congener TEQ	NA	--	--	--	1.910E-03	0.0000140	136	Yes
4,4'-DDD	0.0429	1.33	2.21	--	2.884E-02	0.00280	10.3	Yes
4,4'-DDE	0.188	2.84	8.78	--	3.098E-01	0.00280	111	Yes
4,4'-DDT	0.585	1.36	1.66	--	3.835E-01	0.00280	137	Yes
Aldrin	0.0500	2.29	1.39	--	5.136E-02	0.0770	0.667	No
Endrin	0.0140	1.33	1.28	--	8.721E-03	0.0100	0.872	No
alpha-Chlordane	0.0417	2.69	3.48	--	5.439E-02	2.14	0.0254	No
gamma-BHC (Lindane)	0.600	2.29	1.39	--	6.163E-01	2.00	0.308	No
Heptachlor Epoxide	0.0680	2.29	2.35	--	7.332E-02	0.280	0.262	No
Endosulfan I	0.0320	2.29	2.67	--	3.505E-02	10.00	0.00350	No
Endosulfan II	0.100	1.33	1.31	--	6.245E-02	10.00	0.00625	No
gamma-Chlordane	0.0864	2.58	1.89	--	1.014E-01	2.14	0.0474	No
Methoxychlor	0.120	0.579	3.25	--	4.990E-02	178	0.000280	No
Total Chlordane (alpha & gamma)	0.144	2.63	2.13	--	1.739E-01	2.14	0.0813	No
Total DDT	1.61	1.34	1.92	--	1.064E+00	0.00280	380	Yes
Hexachlorobenzene	55.0	0.314	4.23	--	1.969E+01	0.670	29.4	Yes
Hexachlorobutadiene	11.8	0.612	3.52	--	5.238E+00	4.00	1.31	Yes
Hexachloroethane	2.41	0.460	3.76	--	9.485E-01	1.00	0.948	No
1,2-Dichlorobenzene	0.0400	47.9	114	--	1.038E+00	16.1	0.0644	No
1,3-Dichlorobenzene	8.85	50.2	110	--	2.361E+02	16.1	14.7	Yes
1,4-Dichlorobenzene	1.05	49.2	126	--	2.847E+01	16.1	1.77	Yes
bis(2-ethylhexyl)phthalate*	6.94	0.00	0.00	--	2.016E-02	1.10	0.0183	No
1,1,1-Trichloroethane*	0.115	0.00	0.00	--	3.341E-04	NA	--	See note d
1,1,2,2-Tetrachloroethane*	0.115	0.00	0.00	--	3.341E-04	NA	--	See note d
Acrylonitrile*	0.500	0.00	0.00	--	1.453E-03	NA	--	See note d
Benzene*	0.252	0.000	0.000	--	7.321E-04	NA	--	See note d
Chlorobenzene*	0.169	0.000	0.000	--	4.910E-04	NA	--	See note d
Toluene*	0.141	0.000	0.000	--	4.097E-04	NA	--	See note d
Total xylene*	1.90	0.00	0.00	--	5.520E-03	NA	--	See note d

Notes:

* Non-bioaccumulative; evaluated for direct ingestion only

a - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

c - No BSAF values for PCB-123 available for Prey Group; PCB-126 BSAF used as surrogate

d - Not assessed due to lack of available effects data (i.e. TRV)

Table C-8
Total Daily Intake and Hazard Quotient Worksheet for Belted Kingfisher

Scenario: Hypothetical piscivorous bird receptor of concern - Belted Kingfisher

Exposure Assessment

Exposure Model

$$TDI = FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b}\right) \times CF_1\right)}{BW \times CF_2}$$

a	FMR-slope
b	FMR-power
BW	Body weight (g)
CF_1	Conversion factor (1 kcal/4.186 kJ)
CF_2	Conversion factor (1 kg / 1000 g)

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor (WW/DW)

FMR	637.4980675	kcal/day/kgBW
PD	1	unitless
AE_{fish}	0.62	unitless
GE_{fish}	850	$kcal/kg_{fish}$
AUF	1	unitless
BW	136	g
a	14.25	unitless
b	0.659	unitless

Table C-8
Total Daily Intake and Hazard Quotient Worksheet for Belted Kingfisher

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
Arsenic	78.3	0.0655	0.144	--	6.204E+00	1.364E+01	7.38	2.46	0.841	5.54	Uncertain
Cadmium	0.985	0.0201	0.0716	--	2.395E-02	8.531E-02	20	1.45	0.00120	0.0588	No
Chromium	207	0.00589	0.0144	--	1.475E+00	3.606E+00	5	1	0.295	3.61	Uncertain
Copper	109	0.0361	0.143	--	4.760E+00	1.886E+01	61.7	47	0.0771	0.401	No
Lead	158	0.00450	0.0227	--	8.601E-01	4.339E+00	11.3	1.13	0.0761	3.84	Uncertain
Mercury	81.9	0.133	0.408	--	1.318E+01	4.042E+01	0.064	0.0064	206	6320	Yes
Nickel	52.8	0.00528	0.0236	--	3.372E-01	1.507E+00	107	77.4	0.00315	0.0195	No
Selenium	1.20	0.647	0.969	--	9.392E-01	1.407E+00	9	1.8	0.104	0.781	No
Zinc	721	0.209	0.376	--	1.823E+02	3.279E+02	131	14.5	1.39	22.6	Yes
2-Methylnaphthalene	10.5	0.0886	0.366	--	1.125E+00	4.649E+00	5.55	1.11	0.203	4.19	Uncertain
Acenaphthene	7.96	0.0870	0.358	--	8.377E-01	3.447E+00	5.05	1.01	0.166	3.41	Uncertain
Acenaphthylene	8.59	0.0939	0.394	--	9.757E-01	4.094E+00	5.05	1.01	0.193	4.05	Uncertain
Anthracene	6.49	0.0924	0.382	--	7.254E-01	2.999E+00	5.55	1.11	0.131	2.70	Uncertain
Benzo(a)anthracene	2.75	0.0997	0.447	--	3.317E-01	1.487E+00	1400	280	0.000237	0.00531	No
Benzo(a)pyrene	2.59	0.0838	0.539	--	2.626E-01	1.689E+00	1400	280	0.000188	0.00603	No
Benzo(b)fluoranthene	2.33	0.0789	0.480	--	2.224E-01	1.353E+00	1400	280	0.000159	0.00483	No
Benzo(g,h,i)perylene	3.06	0.0796	0.498	--	2.946E-01	1.843E+00	1400	280	0.000210	0.00658	No
Benzo(k)fluoranthene	2.24	0.0813	0.524	--	2.203E-01	1.420E+00	1400	280	0.000157	0.00507	No
Chrysene	3.04	0.0932	0.370	--	3.427E-01	1.361E+00	1400	280	0.000245	0.00486	No
Dibenzo(a,h)anthracene	2.84	0.0768	0.447	--	2.638E-01	1.536E+00	1400	280	0.000188	0.00548	No
Fluoranthene	5.47	0.0875	0.409	--	5.790E-01	2.706E+00	1400	280	0.000414	0.00967	No
Fluorene	5.56	0.0873	0.359	--	5.872E-01	2.415E+00	5.05	1.01	0.116	2.39	Uncertain
Indeno(1,2,3-cd)pyrene	0.832	0.0783	0.472	--	7.880E-02	4.750E-01	1400	280	0.0000563	0.00170	No
Naphthalene[a]	28.8	0.0886	0.366	--	3.087E+00	1.275E+01	5.55	1.11	0.556	11.5	Uncertain
Phenanthrene	13.7	0.0983	0.396	--	1.629E+00	6.563E+00	5.65	1.13	0.288	5.81	Uncertain
Pyrene	11.2	0.0897	0.386	--	1.215E+00	5.230E+00	1400	280	0.000868	0.0187	No
Total HPAH 16	26.4	0.0477	0.199	--	1.523E+00	6.355E+00	1400	280	0.00109	0.0227	No
Total LPAH 16	137	0.0792	0.343	--	1.313E+01	5.684E+01	5.05	1.01	2.60	56.3	Yes
Total PAH 16	63.7	0.0398	0.254	--	3.067E+00	1.957E+01	1406	281	0.00218	0.0697	No
Aroclor 1248	60.4	0.111	0.486	--	8.110E+00	3.551E+01	2.05	0.41	3.96	86.6	Yes
Aroclor 1254	2.36	0.197	1.19	--	5.624E-01	3.397E+00	1.8	0.18	0.312	18.9	Uncertain
Aroclor 1260	0.820	0.199	0.983	--	1.974E-01	9.751E-01	41.65	8.33	0.00474	0.117	No
Total PCB Aroclors	127	0.148	0.788	--	--	--	2.05	0.41	--	--	--
PCB-077[b]	0.0350	0.204	0.993	0.05	4.319E-04	2.102E-03	see PCB congener TEQ				
PCB-081[b]	0.00154	0.204	0.993	0.1	3.800E-05	1.850E-04	see PCB congener TEQ				
PCB-105	0.107	0.204	0.993	0.0001	2.640E-06	1.285E-05	see PCB congener TEQ				
PCB-114	0.00687	0.0862	0.988	0.0001	7.164E-08	8.211E-07	see PCB congener TEQ				
PCB-118	0.122	0.901	6.81	0.00001	1.330E-06	1.005E-05	see PCB congener TEQ				
PCB-123[c]	0.0361	0.0769	0.446	0.00001	3.358E-08	1.948E-07	see PCB congener TEQ				
PCB-126	0.000726	0.0769	0.446	0.1	6.754E-06	3.917E-05	see PCB congener TEQ				
PCB-156	0.00970	0.176	0.735	0.0001	2.065E-07	8.624E-07	see PCB congener TEQ				
PCB-157	0.00970	0.205	0.773	0.0001	2.405E-07	9.070E-07	see PCB congener TEQ				
PCB-167	0.00294	0.193	0.621	0.00001	6.864E-09	2.209E-08	see PCB congener TEQ				
PCB-169	0.000141	0.0886	0.170	0.001	1.511E-08	2.900E-08	see PCB congener TEQ				
PCB-189	0.00106	0.103	0.510	0.00001	1.321E-09	6.539E-09	see PCB congener TEQ				
PCB congener TEQ	NA	--	--	--	4.812E-04	2.352E-03	1.40E-04	1.40E-05	3.44	168	Yes
1,2,3,4,6,7,8-HpCDD	0.000779	0.00160	0.0136	0.001	1.508E-09	1.282E-08	see Dioxin/furan congener TEQ				
1,2,3,4,6,7,8-HpCDF	0.00109	0.00151	0.0255	0.01	1.991E-08	3.362E-07	see Dioxin/furan congener TEQ				

Table C-8
Total Daily Intake and Hazard Quotient Worksheet for Belted Kingfisher

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
1,2,3,4,7,8,9-HpCDF	0.000134	0.000765	0.0122	0.01	1.240E-09	1.978E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDD	0.0000138	0.00685	0.0469	0.05	5.718E-09	3.915E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDF	0.000392	0.00330	0.133	0.1	1.565E-07	6.307E-06	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDD	0.0000443	0.00696	0.0314	0.01	3.730E-09	1.683E-08	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDF	0.000120	0.0204	0.528	0.1	2.961E-07	7.664E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDD	0.0000256	0.00704	0.0207	0.1	2.180E-08	6.410E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDF	0.00000931	0.00411	0.0864	0.1	4.629E-09	9.730E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDD	0.00000548	0.0347	0.315	1	2.300E-07	2.088E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDF	0.000208	0.0178	1.20	0.1	4.479E-07	3.019E-05	see Dioxin/furan congener TEQ				
2,3,4,6,7,8-HxCDF	0.0000229	0.00339	0.0238	0.1	9.391E-09	6.593E-08	see Dioxin/furan congener TEQ				
2,3,4,7,8-PeCDF	0.0000803	0.0431	1.36	1	4.187E-06	1.321E-04	see Dioxin/furan congener TEQ				
2,3,7,8-TCDD	0.000398	0.0574	1.79	1	2.764E-05	8.618E-04	see Dioxin/furan congener TEQ				
2,3,7,8-TCDF	0.000329	0.0615	0.466	1	2.448E-05	1.855E-04	see Dioxin/furan congener TEQ				
OCDD	0.00868	0.00124	0.0163	0.0001	1.302E-09	1.711E-08	see Dioxin/furan congener TEQ				
OCDF	0.0379	0.000606	0.0141	0.0001	2.778E-09	6.464E-08	see Dioxin/furan congener TEQ				
Dioxin/furan congener TEQ	NA	--	--	--	5.750E-05	1.226E-03	1.40E-04	1.40E-05	0.411	87.6	Uncertain
4,4'-DDD	0.0429	0.489	1.33	--	2.538E-02	6.902E-02	0.028	0.0028	0.906	24.7	Uncertain
4,4'-DDE	0.188	0.618	1.70	--	1.405E-01	3.866E-01	0.028	0.0028	5.02	138	Yes
4,4'-DDT	0.585	0.674	1.33	--	4.770E-01	9.412E-01	0.028	0.0028	17.0	336	Yes
Aldrin	0.0500	0.658	2.29	--	3.980E-02	1.385E-01	0.385	0.077	0.103	1.80	Uncertain
Endrin	0.0140	0.527	1.33	--	8.925E-03	2.252E-02	0.1	0.01	0.0892	2.25	Uncertain
alpha-Chlordane	0.0417	0.769	2.69	--	3.879E-02	1.357E-01	10.7	2.14	0.00363	0.0634	No
gamma-BHC (Lindane)	0.600	0.990	2.29	--	7.185E-01	1.662E+00	20	2	0.0359	0.831	No
Heptachlor Epoxide	0.0680	0.766	2.29	--	6.301E-02	1.884E-01	2.8	0.28	0.0225	0.673	No
Endosulfan I	0.0320	0.733	2.29	--	2.837E-02	8.864E-02	50	10	0.000567	0.00886	No
Endosulfan II	0.100	0.598	1.33	--	7.234E-02	1.609E-01	50	10	0.00145	0.0161	No
gamma-Chlordane	0.0864	0.724	2.58	--	7.567E-02	2.697E-01	10.7	2.14	0.00707	0.126	No
Methoxychlor	0.120	0.190	0.311	--	2.758E-02	4.515E-02	1775	178	0.0000155	0.000254	No
Total Chlordane (alpha & gamma)	0.144	0.732	2.63	--	1.275E-01	4.581E-01	10.7	2.14	0.0119	0.214	No
Total DDT	1.61	0.479	1.34	--	9.329E-01	2.610E+00	0.028	0.0028	33.3	932	Yes
Hexachlorobenzene	55.0	0.0833	0.314	--	5.542E+00	2.089E+01	3.35	0.67	1.65	31.2	Yes
Hexachlorobutadiene	11.8	0.0979	0.448	--	1.397E+00	6.395E+00	20	4	0.0699	1.60	Uncertain
Hexachloroethane	2.41	0.0982	0.460	--	2.863E-01	1.341E+00	5	1	0.0573	1.34	Uncertain
1,2-Dichlorobenzene	0.0400	59.7	59.7	--	2.889E+00	2.889E+00	160.8	16.08	0.0180	0.180	No
1,3-Dichlorobenzene	8.85	62.7	62.7	--	6.712E+02	6.712E+02	160.8	16.08	4.17	41.7	Yes
1,4-Dichlorobenzene	1.05	61.2	61.2	--	7.773E+01	7.773E+01	160.8	16.08	0.483	4.83	Uncertain
bis(2-ethylhexyl)phthalate*	6.94	0	0.00	--	0.000E+00	0.000E+00	5.5	1.1	0.00	0.00	No
1,1,1-Trichloroethane*	0.115	0	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c
1,1,2,2-Tetrachloroethane*	0.115	0	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c
Acrylonitrile*	0.500	0	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c
Benzene*	0.252	0	0.000	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c
Chlorobenzene*	0.169	0	0.000	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c
Toluene*	0.141	0	0.000	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c
Total xylene*	1.90	0	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note c

Notes:

*Non-bioaccumulative; evaluated for direct ingestion only

a - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

c - Not assessed due to lack of available effects data (i.e. TRV)

Table C-9
Total Daily Intake and Hazard Quotient Worksheet for Spotted Sandpiper

Scenario: Hypothetical sediment-probing bird receptor of concern - Spotted Sandpiper

Exposure Assessment

Exposure Model

$$TDI = \left[FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) + \left(C_s \times IR_s \right) \right] \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
IR_s	Ingestion rate of sediment (kg DW/kg BW/day)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b} \right) \times CF_1 \right)}{BW \times CF_2}$$

a	FMR-slope
b	FMR-power
BW	Body weight (g)
CF_1	Conversion factor (1 kcal/4.186 kJ)
CF_2	Conversion factor (1 kg / 1000 g)

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor

Ingestion rate of sediment

$$IR_{sediment} = \frac{FMR}{AE \times GE} \times CF_3 \times P_{sediment}$$

$IR_{sediment}$	Ingestion rate of sediment (mg DW/kg BW/day)
CF_3	Wet weight to dry weight conversion factor (CF_3 = fraction solids in sediment)
$P_{sediment}$	Proportion of sediment relative to food ingestion rate

FMR	819.9018525	kcal/day/kgBW
PD	1	unitless
$AE_{invertebrates}$	0.61	unitless
$GE_{invertebrates}$	750	$kcal/kg_{invertebrate}$
IR_s	0.338713552	kg DW/kg BW/day
AUF	1	unitless
BW	42.5	g
a	8.13	unitless
b	0.77	unitless

Table C-9
Total Daily Intake and Hazard Quotient Worksheet for Spotted Sandpiper

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
Arsenic	78.3	0.149	0.253	--	4.743E+01	6.202E+01	7.38	2.46	6.43	25.2	Yes
Cadmium	0.985	0.331	2.24	--	9.179E-01	4.288E+00	20	1.45	0.0459	2.96	Uncertain
Chromium	207	0.00646	0.0318	--	7.251E+01	8.191E+01	5	1	14.5	81.9	Yes
Copper	109	0.0420	0.514	--	4.512E+01	1.373E+02	61.7	47	0.731	2.92	Uncertain
Lead	158	0.00472	0.0216	--	5.485E+01	5.963E+01	11.3	1.13	4.85	52.8	Yes
Mercury	81.9	2.03	2090	--	3.257E+02	3.068E+05	0.064	0.0064	5090	47900000	Yes
Nickel	52.8	0.0444	0.268	--	2.209E+01	4.324E+01	107	77.4	0.206	0.559	No
Selenium	1.20	0.594	1.34	--	1.684E+00	3.288E+00	9	1.80	0.187	1.83	Uncertain
Zinc	721	0.0506	0.218	--	3.096E+02	5.259E+02	131	14.50	2.36	36.3	Yes
2-Methylnaphthalene	10.5	0.0359	3.76	--	4.232E+00	7.431E+01	5.55	1.11	0.763	66.9	Uncertain
Acenaphthene	7.96	0.143	3.45	--	4.736E+00	5.191E+01	5.05	1.01	0.938	51.4	Uncertain
Acenaphthylene	8.59	0.0202	3.18	--	3.221E+00	5.186E+01	5.05	1.01	0.638	51.4	Uncertain
Anthracene	6.49	0.0154	2.92	--	2.377E+00	3.616E+01	5.55	1.11	0.428	32.6	Uncertain
Benzo(a)anthracene	2.75	0.0227	2.47	--	1.043E+00	1.310E+01	1400	280	0.000745	0.0468	No
Benzo(a)pyrene	2.59	0.0424	2.06	--	1.074E+00	1.044E+01	1400	280	0.000767	0.0373	No
Benzo(b)fluoranthene	2.33	0.0148	2.69	--	8.510E-01	1.202E+01	1400	280	0.000608	0.0429	No
Benzo(g,h,i)perylene	3.06	0.0132	2.92	--	1.109E+00	1.705E+01	1400	280	0.000792	0.0609	No
Benzo(k)fluoranthene	2.24	0.00817	2.69	--	7.915E-01	1.156E+01	1400	280	0.000565	0.0413	No
Chrysene	3.04	0.0259	2.09	--	1.171E+00	1.242E+01	1400	280	0.000836	0.0443	No
Dibenzo(a,h)anthracene	2.84	0.0109	3.45	--	1.017E+00	1.852E+01	1400	280	0.000727	0.0661	No
Fluoranthene	5.47	0.0586	3.65	--	2.427E+00	3.763E+01	1400	280	0.00173	0.134	No
Fluorene	5.56	0.0269	3.45	--	2.151E+00	3.626E+01	5.05	1.01	0.426	35.9	Uncertain
Indeno(1,2,3-cd)pyrene	0.832	0.00856	3.18	--	2.946E-01	5.023E+00	1400	280	0.000210	0.0179	No
Naphthalene	28.8	0.0143	0.0301	--	1.049E+01	1.131E+01	5.55	1.11	1.89	10.2	--
Phenanthrene	13.7	0.0622	2.92	--	6.168E+00	7.633E+01	5.65	1.13	1.09	67.6	Yes
Pyrene	11.2	0.0556	3.73	--	4.910E+00	7.866E+01	1400	280	0.00351	0.281	No
Total HPAH 16	26.4	0.581	7.42	--	3.643E+01	3.600E+02	1400	280	0.0260	1.29	Uncertain
Total LPAH 16	137	1.07	5.84	--	3.091E+02	1.480E+03	5.05	1.01	61.2	1470	Yes
Total PAH 16	63.7	0.747	10.4	--	1.069E+02	1.209E+03	1406	281	0.0760	4.30	Uncertain
Aroclor 1248	60.4	0.546	1.20	--	7.956E+01	1.504E+02	2.05	0.41	38.8	367	Yes
Aroclor 1254	2.36	0.468	3.92	--	2.779E+00	1.738E+01	1.8	0.18	1.54	96.5	Yes
Aroclor 1260	0.820	0.410	1.19	--	8.803E-01	2.027E+00	41.65	8.33	0.0211	0.243	No
Total PCB Aroclors	127	0.500	1.38		--	--	2.05	0.41	--	--	--
PCB-077[b]	0.0350	0.194	0.681	0.05	1.201E-03	2.729E-03	see PCB congener TEQ				
PCB-081[b]	0.00154	0.194	0.681	0.1	1.057E-04	2.401E-04	see PCB congener TEQ				
PCB-105	0.107	0.194	0.681	0.0001	7.344E-06	1.668E-05	see PCB congener TEQ				
PCB-114	0.00687	0.0445	0.156	0.0001	2.875E-07	4.248E-07	see PCB congener TEQ				
PCB-118	0.122	0.145	0.729	0.00001	7.303E-07	2.007E-06	see PCB congener TEQ				
PCB-123	0.0361	0.265	8.73	0.00001	2.937E-07	5.770E-06	see PCB congener TEQ				
PCB-126	0.000726	0.103	0.472	0.1	3.799E-05	8.600E-05	see PCB congener TEQ				
PCB-156	0.00970	0.132	0.132	0.0001	5.580E-07	5.580E-07	see PCB congener TEQ				
PCB-157	0.00970	0.261	0.261	0.0001	7.823E-07	7.823E-07	see PCB congener TEQ				
PCB-167	0.00294	0.103	0.406	0.00001	1.539E-08	3.135E-08	see PCB congener TEQ				
PCB-169	0.000141	0.0106	0.0408	0.001	5.044E-08	5.807E-08	see PCB congener TEQ				
PCB-189	0.00106	0.0202	0.0620	0.00001	3.974E-09	4.768E-09	see PCB congener TEQ				
PCB congener TEQ	NA	--	--	--	1.355E-03	3.081E-03	1.40E-04	1.40E-05	9.68	220	Yes
1,2,3,4,6,7,8-HpCDD	0.000779	0.101	0.813	0.001	4.049E-07	1.399E-06	see Dioxin/furan congener TEQ				
1,2,3,4,6,7,8-HpCDF	0.00109	0.0668	0.599	0.01	4.997E-06	1.539E-05	see Dioxin/furan congener TEQ				
1,2,3,4,7,8,9-HpCDF	0.000134	0.0490	0.890	0.01	5.715E-07	2.591E-06	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDD	0.0000138	0.0828	0.644	0.05	3.361E-07	1.030E-06	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDF	0.000392	0.0525	0.410	0.1	1.697E-05	4.208E-05	see Dioxin/furan congener TEQ				

Table C-9
Total Daily Intake and Hazard Quotient Worksheet for Spotted Sandpiper

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
1,2,3,6,7,8-HxCDD	0.0000443	0.125	0.441	0.01	2.493E-07	5.002E-07	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDF	0.000120	0.0797	0.665	0.1	5.779E-06	1.837E-05	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDD	0.0000256	0.0974	0.399	0.1	1.314E-06	2.698E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDF	0.00000931	0.0418	0.463	0.1	3.851E-07	1.088E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDD	0.00000548	0.129	0.668	1	3.123E-06	8.417E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDF	0.000208	0.126	0.860	0.1	1.174E-05	3.910E-05	see Dioxin/furan congener TEQ				
2,3,4,6,7,8-HxCDF	0.0000229	0.111	1.26	0.1	1.231E-06	5.947E-06	see Dioxin/furan congener TEQ				
2,3,4,7,8-PeCDF	0.0000803	0.107	0.781	1	4.260E-05	1.396E-04	see Dioxin/furan congener TEQ				
2,3,7,8-TCDD	0.000398	0.215	2.07	1	2.882E-04	1.611E-03	see Dioxin/furan congener TEQ				
2,3,7,8-TCDF	0.000329	0.268	1.92	1	2.695E-04	1.243E-03	see Dioxin/furan congener TEQ				
OCDD	0.00868	0.0678	0.615	0.0001	3.995E-07	1.251E-06	see Dioxin/furan congener TEQ				
OCDF	0.0379	0.0450	0.360	0.0001	1.589E-06	3.729E-06	see Dioxin/furan congener TEQ				
Dioxin/furan congener TEQ	NA	--	--	--	6.493E-04	3.138E-03	1.40E-04	1.40E-05	4.64	224	Yes
4,4'-DDD	0.0429	0.498	2.21	--	5.282E-02	1.844E-01	0.028	0.0028	1.89	65.9	Yes
4,4'-DDE	0.188	0.602	8.78	--	2.665E-01	3.022E+00	0.028	0.0028	9.52	1080	Yes
4,4'-DDT	0.585	0.385	1.66	--	6.018E-01	1.938E+00	0.028	0.0028	21.5	692	Yes
Aldrin	0.0500	0.249	1.39	--	3.925E-02	1.415E-01	0.385	0.077	0.102	1.84	Uncertain
Endrin	0.0140	0.289	1.28	--	1.199E-02	3.686E-02	0.1	0.01	0.120	3.69	Uncertain
alpha-Chlordane	0.0417	0.569	3.48	--	5.665E-02	2.742E-01	10.7	2.14	0.00529	0.128	No
gamma-BHC (Lindane)	0.600	0.364	1.39	--	5.946E-01	1.698E+00	20	2	0.0297	0.849	No
Heptachlor Epoxide	0.0680	0.444	2.35	--	7.714E-02	3.094E-01	2.8	0.28	0.0276	1.11	Uncertain
Endosulfan I	0.0320	0.589	2.67	--	4.462E-02	1.640E-01	50	10	0.000892	0.0164	No
Endosulfan II	0.100	0.322	1.31	--	9.158E-02	2.686E-01	50	10	0.00183	0.0269	No
gamma-Chlordane	0.0864	0.120	1.89	--	4.785E-02	3.219E-01	10.7	2.14	0.00447	0.150	No
Methoxychlor	0.120	0.647	3.25	--	1.798E-01	7.396E-01	1775	177.5	0.000101	0.00417	No
Total Chlordane (alpha & gamma)	0.144	0.405	2.13	--	1.533E-01	5.985E-01	10.7	2.14	0.0143	0.280	No
Total DDT	1.61	0.395	1.92	--	1.685E+00	6.085E+00	0.028	0.0028	60.2	2170	Yes
Hexachlorobenzene	55.0	0.501	4.23	--	6.801E+01	4.356E+02	3.35	0.67	20.3	650	Yes
Hexachlorobutadiene	11.8	0.861	3.52	--	2.220E+01	7.843E+01	20	4	1.11	19.6	Yes
Hexachloroethane	2.41	0.928	3.76	--	4.824E+00	1.706E+01	5	1	0.965	17.1	Uncertain
1,2-Dichlorobenzene	0.0400	38.7	114	--	2.788E+00	8.186E+00	160.8	16.08	0.0173	0.509	No
1,3-Dichlorobenzene	8.85	45.4	110	--	7.231E+02	1.748E+03	160.8	16.08	4.50	109	Yes
1,4-Dichlorobenzene	1.05	54.4	126	--	1.027E+02	2.375E+02	160.8	16.08	0.639	14.8	Uncertain
bis(2-ethylhexyl)phthalate*	6.94	0.00	0.00	--	2.351E+00	2.351E+00	5.5	1.1	0.427	2.14	Uncertain
1,1,1-Trichloroethane*	0.115	0.00	0.00	--	3.895E-02	3.895E-02	NA	NA	--	--	See note a
1,1,2,2-Tetrachloroethane*	0.115	0.00	0.00	--	3.895E-02	3.895E-02	NA	NA	--	--	See note a
Acrylonitrile*	0.500	0.00	0.00	--	1.694E-01	1.694E-01	NA	NA	--	--	See note a
Benzene*	0.252	0.000	0.000	--	8.536E-02	8.536E-02	NA	NA	--	--	See note a
Chlorobenzene*	0.169	0.000	0.000	--	5.724E-02	5.724E-02	NA	NA	--	--	See note a
Toluene*	0.141	0.000	0.000	--	4.776E-02	4.776E-02	NA	NA	--	--	See note a
Total xylene*	1.90	0.00	0.00	--	6.436E-01	6.436E-01	NA	NA	--	--	See note a

Notes:

*Non-bioaccumulative; evaluated for direct ingestion only

a - Not assessed due to lack of available effects data (i.e. TRV)

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

Table C-10
Total Daily Intake and Hazard Quotient Worksheet for Great Blue Heron

Scenario: Hypothetical carnivorous bird receptor of concern - Great Blue Heron

Exposure Assessment

Exposure Model

$$TDI = FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b} \right) \times CF_1 \right)}{BW \times CF_2}$$

a	FMR-slope
b	FMR-power
BW	Body weight (g)
CF_1	Conversion factor (1 kcal/4.186 kJ)
CF_2	Conversion factor (1 kg / 1000 g)

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor

FMR	245.6462321	kcal/day/kgBW
PD	1	unitless
AE_{fish}	0.61	unitless
GE_{fish}	850	$kcal/kg_{fish}$
AUF	1	unitless
BW	2229	g
a	14.25	unitless
b	0.659	unitless

Table C-10
Total Daily Intake and Hazard Quotient Worksheet for Great Blue Heron

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
Arsenic	78.3	0.0655	0.144	--	2.430E+00	5.342E+00	7.38	2.46	0.329	2.17	Uncertain
Cadmium	0.985	0.0201	0.0716	--	9.380E-03	3.341E-02	20.0	1.45	0.000469	0.0230	No
Chromium	207	0.00589	0.0144	--	5.776E-01	1.412E+00	5.00	1	0.116	1.41	Uncertain
Copper	109	0.0361	0.143	--	1.864E+00	7.385E+00	61.7	47	0.0302	0.157	No
Lead	158	0.00450	0.0227	--	3.368E-01	1.699E+00	11.3	1.13	0.0298	1.50	Uncertain
Mercury	81.9	0.133	0.408	--	5.161E+00	1.583E+01	0.0640	0.0064	80.6	2470	Yes
Nickel	52.8	0.00528	0.0236	--	1.321E-01	5.903E-01	107	77.4	0.00123	0.00763	No
Selenium	1.20	0.647	0.969	--	3.678E-01	5.509E-01	9.00	1.80	0.0409	0.306	No
Zinc	721	0.209	0.376	--	7.139E+01	1.284E+02	131	14.5	0.545	8.86	Uncertain
2-Methylnaphthalene	10.5	0.0886	0.366	--	4.407E-01	1.821E+00	5.55	1.11	0.0794	1.64	Uncertain
Acenaphthene	7.96	0.0870	0.358	--	3.281E-01	1.350E+00	5.05	1.01	0.0650	1.34	Uncertain
Acenaphthylene	8.59	0.0939	0.394	--	3.821E-01	1.603E+00	5.05	1.01	0.0757	1.59	Uncertain
Anthracene	6.49	0.0924	0.382	--	2.841E-01	1.175E+00	5.55	1.11	0.0512	1.06	Uncertain
Benzo(a)anthracene	2.75	0.0997	0.447	--	1.299E-01	5.824E-01	1400	280	0.0000928	0.00208	No
Benzo(a)pyrene	2.59	0.0838	0.539	--	1.028E-01	6.614E-01	1400	280	0.0000734	0.00236	No
Benzo(b)fluoranthene	2.33	0.0789	0.480	--	8.710E-02	5.299E-01	1400	280	0.0000622	0.00189	No
Benzo(g,h,i)perylene	3.06	0.0796	0.498	--	1.154E-01	7.220E-01	1400	280	0.0000824	0.00258	No
Benzo(k)fluoranthene	2.24	0.0813	0.524	--	8.628E-02	5.561E-01	1400	280	0.0000616	0.00199	No
Chrysene	3.04	0.0932	0.370	--	1.342E-01	5.329E-01	1400	280	0.0000959	0.00190	No
Dibenzo(a,h)anthracene	2.84	0.0768	0.447	--	1.033E-01	6.014E-01	1400	280	0.0000738	0.00215	No
Fluoranthene	5.47	0.0875	0.409	--	2.268E-01	1.060E+00	1400	280	0.000162	0.00379	No
Fluorene	5.56	0.0873	0.359	--	2.300E-01	9.457E-01	5.05	1.01	0.0455	0.936	No
Indeno(1,2,3-cd)pyrene	0.832	0.0783	0.472	--	3.086E-02	1.860E-01	1400	280	0.0000220	0.000664	No
Naphthalene[a]	28.8	0.0886	0.366	--	1.209E+00	4.994E+00	5.55	1.11	0.218	4.50	Uncertain
Phenanthrene	13.7	0.0983	0.396	--	6.380E-01	2.570E+00	5.65	1.13	0.113	2.27	Uncertain
Pyrene	11.2	0.0897	0.386	--	4.760E-01	2.048E+00	1400	280	0.000340	0.00731	No
Total HPAH 16	26.4	0.0477	0.199	--	5.966E-01	2.489E+00	1400	280	0.000426	0.00889	No
Total LPAH 16	137	0.0792	0.343	--	5.141E+00	2.226E+01	5.05	1.01	1.02	22.0	Yes
Total PAH 16	63.7	0.0398	0.254	--	1.201E+00	7.665E+00	1410	281	0.000852	0.0273	No
Aroclor 1248	60.4	0.111	0.486	--	3.176E+00	1.391E+01	2.05	0.410	1.55	33.9	Yes
Aroclor 1254	2.36	0.197	1.19	--	2.203E-01	1.331E+00	1.80	0.180	0.122	7.39	Uncertain
Aroclor 1260	0.820	0.199	0.983	--	7.731E-02	3.819E-01	41.7	8.33	0.00185	0.0458	No
Total PCB Aroclors	127	0.148	0.788	--	--	--	2.05	0.410	--	--	--
PCB-077[b]	0.0350	0.204	0.993	0.05	1.691E-04	8.233E-04	see PCB congener TEQ				
PCB-081[b]	0.00154	0.204	0.993	0.1	1.488E-05	7.245E-05	see PCB congener TEQ				
PCB-105	0.107	0.204	0.993	0.0001	1.034E-06	5.034E-06	see PCB congener TEQ				
PCB-114	0.00687	0.0862	0.988	0.0001	2.806E-08	3.216E-07	see PCB congener TEQ				
PCB-118	0.122	0.901	6.81	0.00001	5.208E-07	3.936E-06	see PCB congener TEQ				
PCB-123[c]	0.0361	0.0769	0.446	0.00001	1.315E-08	7.628E-08	see PCB congener TEQ				
PCB-126	0.000726	0.0769	0.446	0.1	2.645E-06	1.534E-05	see PCB congener TEQ				
PCB-156	0.00970	0.176	0.735	0.0001	8.088E-08	3.378E-07	see PCB congener TEQ				
PCB-157	0.00970	0.205	0.773	0.0001	9.421E-08	3.552E-07	see PCB congener TEQ				
PCB-167	0.00294	0.193	0.621	0.00001	2.688E-09	8.650E-09	see PCB congener TEQ				
PCB-169	0.000141	0.0886	0.170	0.001	5.919E-09	1.136E-08	see PCB congener TEQ				
PCB-189	0.00106	0.103	0.510	0.00001	5.173E-10	2.561E-09	see PCB congener TEQ				
PCB congener TEQ	NA	--	--	--	1.884E-04	9.212E-04	0.000140	0.0000140	1.35	65.8	Yes
1,2,3,4,6,7,8-HpCDD	0.000779	0.00160	0.0136	0.001	5.905E-10	5.019E-09	see Dioxin/furan congener TEQ				
1,2,3,4,6,7,8-HpCDF	0.00109	0.00151	0.0255	0.01	7.798E-09	1.317E-07	see Dioxin/furan congener TEQ				
1,2,3,4,7,8,9-HpCDF	0.000134	0.000765	0.0122	0.01	4.857E-10	7.745E-09	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDD	0.0000138	0.00685	0.0469	0.05	2.239E-09	1.533E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDF	0.000392	0.00330	0.133	0.1	6.129E-08	2.470E-06	see Dioxin/furan congener TEQ				

Table C-10
Total Daily Intake and Hazard Quotient Worksheet for Great Blue Heron

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
1,2,3,6,7,8-HxCDD	0.0000443	0.00696	0.0314	0.01	1.461E-09	6.590E-09	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDF	0.000120	0.0204	0.528	0.1	1.160E-07	3.002E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDD	0.0000256	0.00704	0.0207	0.1	8.538E-09	2.511E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDF	0.00000931	0.00411	0.0864	0.1	1.813E-09	3.811E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDD	0.00000548	0.0347	0.315	1	9.009E-08	8.178E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDF	0.000208	0.0178	1.20	0.1	1.754E-07	1.183E-05	see Dioxin/furan congener TEQ				
2,3,4,6,7,8-HxCDF	0.0000229	0.00339	0.0238	0.1	3.678E-09	2.582E-08	see Dioxin/furan congener TEQ				
2,3,4,7,8-PeCDF	0.0000803	0.0431	1.36	1	1.640E-06	5.174E-05	see Dioxin/furan congener TEQ				
2,3,7,8-TCDD	0.000398	0.0574	1.79	1	1.082E-05	3.375E-04	see Dioxin/furan congener TEQ				
2,3,7,8-TCDF	0.000329	0.0615	0.466	1	9.586E-06	7.263E-05	see Dioxin/furan congener TEQ				
OCDD	0.00868	0.00124	0.0163	0.0001	5.099E-10	6.703E-09	see Dioxin/furan congener TEQ				
OCDF	0.0379	0.000606	0.0141	0.0001	1.088E-09	2.532E-08	see Dioxin/furan congener TEQ				
Dioxin/furan congener TEQ	NA	--	--	--	2.252E-05	4.803E-04	0.000140	0.0000140	0.161	34.3	Uncertain
4,4'-DDD	0.0429	0.489	1.33	--	9.939E-03	2.703E-02	0.0280	0.00280	0.355	9.65	Uncertain
4,4'-DDE	0.188	0.618	1.70	--	5.504E-02	1.514E-01	0.0280	0.00280	1.97	54.1	Yes
4,4'-DDT	0.585	0.674	1.33	--	1.868E-01	3.686E-01	0.0280	0.00280	6.67	132	Yes
Aldrin	0.0500	0.658	2.29	--	1.559E-02	5.425E-02	0.385	0.0770	0.0405	0.704	No
Endrin	0.0140	0.527	1.33	--	3.495E-03	8.821E-03	0.100	0.0100	0.0350	0.882	No
alpha-Chlordane	0.0417	0.769	2.69	--	1.519E-02	5.314E-02	10.7	2.14	0.00142	0.0248	No
gamma-BHC (Lindane)	0.600	0.990	2.29	--	2.814E-01	6.510E-01	20.0	2.00	0.0141	0.325	No
Heptachlor Epoxide	0.0680	0.766	2.29	--	2.468E-02	7.377E-02	2.80	0.280	0.00881	0.263	No
Endosulfan I	0.0320	0.733	2.29	--	1.111E-02	3.472E-02	50.0	10.00	0.000222	0.00347	No
Endosulfan II	0.100	0.598	1.33	--	2.833E-02	6.301E-02	50.0	10.00	0.000567	0.00630	No
gamma-Chlordane	0.0864	0.724	2.58	--	2.964E-02	1.056E-01	10.7	2.14	0.00277	0.0493	No
Methoxychlor	0.120	0.190	0.311	--	1.080E-02	1.768E-02	1780	178	0.00000607	0.0000993	No
Total Chlordane (alpha & gamma)	0.144	0.732	2.63	--	4.994E-02	1.794E-01	10.7	2.14	0.00467	0.0838	No
Total DDT	1.61	0.479	1.34	--	3.654E-01	1.022E+00	0.0280	0.00280	13.0	365	Yes
Hexachlorobenzene	55.0	0.0833	0.314	--	2.171E+00	8.182E+00	3.35	0.670	0.648	12.2	Uncertain
Hexachlorobutadiene	11.8	0.0979	0.448	--	5.473E-01	2.505E+00	20.0	4.00	0.0274	0.626	No
Hexachloroethane	2.41	0.0982	0.460	--	1.121E-01	5.252E-01	5.00	1.00	0.0224	0.525	No
1,2-Dichlorobenzene	0.0400	59.7	59.7	--	1.131E+00	1.131E+00	161	16.1	0.00703	0.0703	No
1,3-Dichlorobenzene	8.85	62.7	62.7	--	2.629E+02	2.629E+02	161	16.1	1.63	16.3	Yes
1,4-Dichlorobenzene	1.05	61.2	61.2	--	3.044E+01	3.044E+01	161	16.1	0.189	1.89	Uncertain
bis(2-ethylhexyl)phthalate*	6.94	0.00	0.00	--	0.000E+00	0.000E+00	5.50	1.10	0.00	0.00	No
1,1,1-Trichloroethane*	0.115	0.00	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d
1,1,2,2-Tetrachloroethane*	0.115	0.00	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d
Acrylonitrile*	0.500	0.00	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d
Benzene*	0.252	0.000	0.000	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d
Chlorobenzene*	0.169	0.000	0.000	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d
Toluene*	0.141	0.000	0.000	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d
Total xylene*	1.90	0.00	0.00	--	0.000E+00	0.000E+00	NA	NA	--	--	See note d

Notes:

*Non-bioaccumulative; evaluated for direct ingestion only

a - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

c - No BSAF values for PCB-123 available for Prey Group; PCB-126 BSAF used as surrogate

d - Not assessed due to lack of available effects data (i.e. TRV)

Table C-11
Total Daily Intake and Hazard Quotient Worksheet for Raccoon

Scenario: Hypothetical omnivorous mammal receptor of concern - Raccoon

Exposure Assessment

Exposure Model

$$TDI = \left[FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) + \left(C_s \times IR_s \right) \right] \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
IR_s	Ingestion rate of sediment (kg DW/kg BW/day)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b} \right) \times CF_1 \right)}{BW \times CF_2}$$

a	FMR-slope
b	FMR-power
BW	Body weight (g)
CF_1	Conversion factor (1 kcal/4.186 kJ)
CF_2	Conversion factor (1 kg / 1000 g)

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor

FMR	99.7711127	kcal/day/kgBW
PD	1	unitless
AE_{fish}	0.83	unitless
GE_{fish}	850	$kcal/kg_{fish}$
IR_s	0.008374834	kg DW/kg BW/day
AUF	1	unitless
BW	3990	g
a	6.03	unitless
b	0.678	unitless

Table C-11
Total Daily Intake and Hazard Quotient Worksheet for Raccoon

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
Arsenic	78.3	0.0558	0.0953	--	1.274E+00	1.711E+00	0.37	0.0371	3.43	46.1	Yes
Cadmium	0.985	0.0179	0.0484	--	1.074E-02	1.499E-02	5.44	0.544	0.00197	0.0276	No
Chromium	207	0.00503	0.00931	--	1.881E+00	2.006E+00	7450.00	1490	0.000252	0.00135	No
Copper	109	0.0412	0.161	--	1.548E+00	3.395E+00	10.90	8.28	0.142	0.410	No
Lead	158	0.00341	0.0114	--	1.399E+00	1.578E+00	43.50	4.35	0.0322	0.363	No
Mercury	81.9	0.139	0.485	--	2.296E+00	6.303E+00	0.02	0.0106	130	595	Yes
Nickel	52.8	0.00391	0.00928	--	4.714E-01	5.115E-01	43.50	21.8	0.0108	0.0235	No
Selenium	1.20	0.624	0.883	--	1.159E-01	1.599E-01	0.18	0.109	0.644	1.47	Uncertain
Zinc	721	0.224	0.386	--	2.888E+01	4.540E+01	174.00	87.1	0.166	0.521	No
2-Methylnaphthalene	10.5	0.0900	0.366	--	2.216E-01	6.314E-01	73.60	14.7	0.00301	0.0430	No
Acenaphthene	7.96	0.0884	0.358	--	1.662E-01	4.697E-01	25.80	5.15	0.00644	0.0912	No
Acenaphthylene	8.59	0.0968	0.394	--	1.895E-01	5.506E-01	25.80	5.15	0.00735	0.107	No
Anthracene	6.49	0.0944	0.382	--	1.410E-01	4.050E-01	147.00	29.4	0.000959	0.0138	No
Benzo(a)anthracene	2.75	0.101	0.395	--	6.231E-02	1.766E-01	2.94	0.294	0.0212	0.601	No
Benzo(a)pyrene	2.59	0.0822	0.539	--	5.180E-02	2.191E-01	2.94	0.294	0.0176	0.745	No
Benzo(b)fluoranthene	2.33	0.0765	0.480	--	4.472E-02	1.777E-01	2.94	0.294	0.0152	0.604	No
Benzo(g,h,i)perylene	3.06	0.0773	0.498	--	5.908E-02	2.411E-01	2.94	0.294	0.0201	0.820	No
Benzo(k)fluoranthene	2.24	0.0778	0.487	--	4.341E-02	1.730E-01	2.94	0.294	0.0148	0.589	No
Chrysene	3.04	0.0948	0.370	--	6.622E-02	1.845E-01	2.94	0.294	0.0225	0.628	No
Dibenzo(a,h)anthracene	2.84	0.0737	0.447	--	5.338E-02	2.033E-01	2.94	0.294	0.0182	0.692	No
Fluoranthene	5.47	0.0884	0.401	--	1.142E-01	3.560E-01	2.94	0.294	0.0388	1.21	Uncertain
Fluorene	5.56	0.0885	0.359	--	1.162E-01	3.288E-01	18.40	3.68	0.00631	0.0894	No
Indeno(1,2,3-cd)pyrene	0.832	0.0757	0.472	--	1.587E-02	6.250E-02	2.94	0.294	0.00540	0.213	No
Naphthalene[a]	28.8	0.0900	0.366	--	6.078E-01	1.732E+00	136.00	27.2	0.00447	0.0637	No
Phenanthrene	13.7	0.101	0.396	--	3.104E-01	8.820E-01	18.40	3.68	0.0169	0.240	No
Pyrene	11.2	0.0900	0.386	--	2.363E-01	7.052E-01	11.00	2.21	0.0215	0.319	No
Total HPAH 16	26.4	0.0485	0.199	--	4.022E-01	9.641E-01	2.94	0.294	0.137	3.28	Uncertain
Total LPAH 16	137	0.0771	0.325	--	2.641E+00	7.444E+00	18.40	3.68	0.144	2.02	Uncertain
Total PAH 16	63.7	0.0375	0.166	--	8.713E-01	2.029E+00	--	--	--	--	--
Aroclor 1248	60.4	0.115	0.486	--	1.488E+00	4.657E+00	0.11	0.0106	14.0	439	Yes
Aroclor 1254	2.36	0.241	1.30	--	1.002E-01	4.536E-01	0.49	0.0991	0.205	4.58	Uncertain
Aroclor 1260	0.820	0.206	0.724	--	3.076E-02	9.083E-02	0.49	0.0991	0.0630	0.916	No
Total PCB Aroclors	127	0.153	0.516	--	--	--	0.11	0.0106	--	--	--
PCB-077[b]	0.0350	0.137	0.793	0.0001	9.712E-08	4.218E-07	see PCB congener TEQ				
PCB-081[b]	0.00154	0.137	0.793	0.0003	1.282E-08	5.568E-08	see PCB congener TEQ				
PCB-105	0.107	0.137	0.793	0.00003	8.908E-08	3.869E-07	see PCB congener TEQ				
PCB-114	0.00687	0.0553	0.253	0.00003	3.338E-09	9.100E-09	see PCB congener TEQ				
PCB-118	0.122	0.722	7.52	0.00003	4.044E-07	3.923E-06	see PCB congener TEQ				
PCB-123[c]	0.0361	0.0537	0.435	0.00003	1.729E-08	7.569E-08	see PCB congener TEQ				
PCB-126	0.000726	0.0537	0.435	0.1	1.159E-06	5.074E-06	see PCB congener TEQ				
PCB-156	0.00970	0.127	0.524	0.00003	7.663E-09	2.400E-08	see PCB congener TEQ				
PCB-157	0.00970	0.154	0.594	0.00003	8.775E-09	2.688E-08	see PCB congener TEQ				
PCB-167	0.00294	0.146	0.472	0.00003	2.560E-09	6.626E-09	see PCB congener TEQ				
PCB-169	0.000141	0.0730	0.134	0.03	7.909E-08	1.156E-07	see PCB congener TEQ				
PCB-189	0.00106	0.0709	0.173	0.00003	5.852E-10	1.044E-09	see PCB congener TEQ				
PCB congeners	NA	--	--	--	1.882E-06	1.012E-05	5.44E-06	5.44E-07	0.346	18.6	Uncertain
1,2,3,4,6,7,8-HpCDD	0.000779	0.00106	0.00245	0.01	6.641E-08	6.794E-08	see Dioxin/furan congener TEQ				
1,2,3,4,6,7,8-HpCDF	0.00109	0.000682	0.0155	0.01	9.234E-08	1.152E-07	see Dioxin/furan congener TEQ				
1,2,3,4,7,8,9-HpCDF	0.000134	0.000371	0.00409	0.01	1.129E-08	1.200E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDD	0.0000138	0.00628	0.0441	0.1	1.278E-08	2.016E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDF	0.000392	0.00142	0.00383	0.1	3.362E-07	3.495E-07	see Dioxin/furan congener TEQ				

Table C-11
Total Daily Intake and Hazard Quotient Worksheet for Raccoon

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF	95th percentile BSAF	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
1,2,3,6,7,8-HxCDD	0.0000443	0.00487	0.0178	0.1	4.015E-08	4.825E-08	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDF	0.000120	0.0130	0.0350	0.1	1.226E-07	1.599E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDD	0.0000256	0.00554	0.0103	0.1	2.345E-08	2.517E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDF	0.00000931	0.00249	0.0609	0.1	8.125E-09	1.582E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDD	0.00000548	0.0209	0.133	1	6.209E-08	1.490E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDF	0.000208	0.00774	0.0140	0.03	5.909E-08	6.461E-08	see Dioxin/furan congener TEQ				
2,3,4,6,7,8-HxCDF	0.0000229	0.00206	0.0151	0.1	1.985E-08	2.407E-08	see Dioxin/furan congener TEQ				
2,3,4,7,8-PeCDF	0.0000803	0.0226	0.0611	0.3	2.787E-07	4.099E-07	see Dioxin/furan congener TEQ				
2,3,7,8-TCDD	0.000398	0.0305	0.101	1	5.050E-06	9.018E-06	see Dioxin/furan congener TEQ				
2,3,7,8-TCDF	0.000329	0.0441	0.108	0.1	4.807E-07	7.780E-07	see Dioxin/furan congener TEQ				
OCDD	0.00868	0.000722	0.00227	0.0003	2.207E-08	2.264E-08	see Dioxin/furan congener TEQ				
OCDF	0.0379	0.000256	0.000820	0.0003	9.563E-08	9.654E-08	see Dioxin/furan congener TEQ				
Dioxin/furan congeners	NA	--	--	--	6.781E-06	1.138E-05	5.44E-06	5.44E-07	1.25	20.9	Yes
4,4'-DDD	0.0429	0.474	1.33	--	3.235E-03	8.428E-03	2.18	0.44	0.00148	0.0194	No
4,4'-DDE	0.188	0.566	1.70	--	1.662E-02	4.677E-02	2.18	0.44	0.00763	0.108	No
4,4'-DDT	0.585	0.672	1.33	--	6.049E-02	1.149E-01	2.18	0.44	0.0277	0.264	No
Aldrin	0.0500	0.629	2.29	--	4.866E-03	1.661E-02	0.54	0.11	0.00895	0.152	No
Endrin	0.0140	0.508	1.33	--	1.123E-03	2.750E-03	0.27	0.03	0.00414	0.101	No
alpha-Chlordane	0.0417	0.729	2.69	--	4.648E-03	1.621E-02	2.71	1.35	0.00172	0.0120	No
gamma-BHC (Lindane)	0.600	0.973	2.29	--	8.759E-02	1.993E-01	21.80	4.35	0.00402	0.0458	No
Heptachlor Epoxide	0.0680	0.721	2.29	--	7.503E-03	2.259E-02	0.71	0.0708	0.0106	0.319	No
Endosulfan I	0.0320	0.702	2.29	--	3.445E-03	1.063E-02	0.41	0.0816	0.00844	0.130	No
Endosulfan II	0.100	0.593	1.33	--	9.224E-03	1.965E-02	0.41	0.0816	0.0226	0.241	No
gamma-Chlordane	0.0864	0.691	2.58	--	9.167E-03	3.225E-02	2.71	1.35	0.00338	0.0239	No
Methoxychlor	0.120	0.176	0.311	--	3.992E-03	6.283E-03	4.35	2.18	0.000918	0.00288	No
Total Chlordane (alpha & gamma)	0.144	0.701	2.63	--	1.548E-02	5.476E-02	2.71	1.35	0.00571	0.0406	No
Total DDT	1.61	0.457	1.29	--	1.175E-01	3.072E-01	2.18	0.44	0.0539	0.706	No
Hexachlorobenzene	55.0	0.0849	0.306	--	1.121E+00	2.841E+00	15.10	1.57	0.0742	1.81	Uncertain
Hexachlorobutadiene	11.8	0.100	0.448	--	2.657E-01	8.464E-01	5.44	1.09	0.0488	0.777	No
Hexachloroethane	2.41	0.101	0.460	--	5.461E-02	1.770E-01	272.00	54.4	0.000201	0.00325	No
1,2-Dichlorobenzene[d]	0.0400	0.0849	0.306	--	8.153E-04	2.066E-03	327.00	65.3	0.00000249	0.0000316	No
1,3-Dichlorobenzene[d]	8.85	0.0849	0.306	--	1.804E-01	4.571E-01	233.00	46.6	0.000774	0.00981	No
1,4-Dichlorobenzene[d]	1.05	0.0849	0.306	--	2.140E-02	5.423E-02	1630.00	327	0.0000131	0.000166	No
bis(2-ethylhexyl)phthalate*	6.94	0	0	--	5.812E-02	5.812E-02	26.8	12.96	0.00217	0.00448	No
1,1,1-Trichloroethane*	0.115	0	0	--	9.631E-04	9.631E-04	1530.18	306.04	0.00000063	0.00000315	No
1,1,2,2-Tetrachloroethane*	0.115	0	0	--	9.631E-04	9.631E-04	--	--	--	--	See note e
Acrylonitrile*	0.500	0	0	--	4.187E-03	4.187E-03	--	--	--	--	See note e
Benzene*	0.252	0	0	--	2.110E-03	2.110E-03	77.62158305	7.762158305	0.0000272	0.000272	No
Chlorobenzene*	0.169	0	0	--	1.415E-03	1.415E-03	--	--	--	--	See note e
Toluene*	0.141	0	0	--	1.181E-03	1.181E-03	76.56150073	7.656150073	0.0000154	0.000154	No
Total xylene*	1.90	0	0	--	1.591E-02	1.591E-02	0.765615007	0.618381352	0.02	0.03	No

Note:

*Non-bioaccumulative; evaluated for direct ingestion only

a - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

c - No BSAF values for PCB-123 available for Prey Group; PCB-126 BSAF used as surrogate

d - No BSAF values for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene; hexachlorobenzene used as surrogate

e - Not assessed due to lack of available effects data (i.e. TRV)

Table C-12
Total Daily Intake and Hazard Quotient Worksheet for River Otter

Scenario: Hypothetical carnivorous mammal receptor of concern - River Otter

Exposure Assessment

Exposure Model

$$TDI = \left[FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) + \left(C_s \times IR_s \right) \right] \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
IR_s	Ingestion rate of sediment (kg DW/kg BW/day)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b} \right) \times CF_1 \right)}{BW \times CF_2}$$

a	FMR-slope
b	FMR-power
BW	Body weight (g)
CF_1	Conversion factor (1 kcal/4.186 kJ)
CF_2	Conversion factor (1 kg / 1000 g)

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor

FMR	139.913	kcal/day/kg BW
PD	1	unitless
AE_{fish}	0.84	unitless
GE_{fish}	850	$kcal/kg_{fish}$
$GE_{invertebrates}$	725	$kcal/kg_{invertebrate}$
IR_s	0.002	kg DW/kg BW/day
AUF	1	unitless
BW	7430	g
a	2.23	unitless
b	0.85	unitless

Table C-12
Total Daily Intake and Hazard Quotient Worksheet for River Otter

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF fish class 1	95th percentile BSAF fish class 1	Geomean BSAF fish class 4	95th percentile BSAF fish class 4	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
Arsenic	78.3	0.0558	0.0953	0.0965	0.264	--	1.294E+00	2.882E+00	0.3180	0.03180	4.07	90.6	Yes
Cadmium	0.985	0.0179	0.0484	0.00639	0.0121	--	3.925E-03	7.420E-03	4.660	0.4660	0.000842	0.0159	No
Chromium	207	0.00503	0.00931	0.00286	0.0143	--	4.922E-01	8.111E-01	6380	1280	0.0000772	0.000634	No
Copper	109	0.0412	0.161	0.0113	0.191	--	7.356E-01	3.934E+00	9.330	7.090	0.0788	0.555	No
Lead	158	0.00341	0.0114	0.00121	0.0180	--	3.251E-01	7.087E-01	37.30	3.730	0.00872	0.190	No
Mercury	81.9	0.139	0.485	0.107	0.347	--	2.105E+00	6.808E+00	0.01510	0.009090	139	749	Yes
Nickel	52.8	0.00391	0.00928	0.00582	0.0211	--	1.351E-01	2.419E-01	37.30	18.60	0.00362	0.0130	No
Selenium	1.20	0.624	0.883	0.746	2.83	--	1.630E-01	4.385E-01	0.1540	0.09320	1.06	4.70	Yes
Zinc	721	0.224	0.386	0.0641	0.150	--	2.151E+01	3.902E+01	149.0	74.50	0.144	0.524	No
2-Methylnaphthalene	10.5	0.0900	0.366	0.0257	0.0237	--	1.359E-01	4.178E-01	63.00	12.60	0.00216	0.0332	No
Acenaphthene	7.96	0.0884	0.358	0.0252	0.0236	--	1.014E-01	3.104E-01	22.10	4.410	0.00459	0.0704	No
Acenaphthylene	8.59	0.0968	0.394	0.0265	0.0245	--	1.176E-01	3.660E-01	22.10	4.410	0.00532	0.0830	No
Anthracene	6.49	0.0944	0.382	0.0260	0.0240	--	8.698E-02	2.686E-01	126.0	25.20	0.000690	0.0107	No
Benzo(a)anthracene	2.75	0.101	0.395	0.0260	0.0240	--	3.863E-02	1.173E-01	2.520	0.2520	0.0153	0.466	No
Benzo(a)pyrene	2.59	0.0822	0.539	0.0263	0.0240	--	3.169E-02	1.470E-01	2.520	0.2520	0.0126	0.583	No
Benzo(b)fluoranthene	2.33	0.0765	0.480	0.0254	0.0233	--	2.700E-02	1.186E-01	2.520	0.2520	0.0107	0.471	No
Benzo(g,h,i)perylene	3.06	0.0773	0.498	0.0260	0.0238	--	3.588E-02	1.614E-01	2.520	0.2520	0.0142	0.640	No
Benzo(k)fluoranthene	2.24	0.0778	0.487	0.0259	0.0237	--	2.635E-02	1.157E-01	2.520	0.2520	0.0105	0.459	No
Chrysene	3.04	0.0948	0.370	0.0254	0.0234	--	4.068E-02	1.221E-01	2.520	0.2520	0.0161	0.484	No
Dibenzo(a,h)anthracene	2.84	0.0737	0.447	0.0258	0.0236	--	3.224E-02	1.355E-01	2.520	0.2520	0.0128	0.538	No
Fluoranthene	5.47	0.0884	0.401	0.0241	0.0223	--	6.907E-02	2.356E-01	2.520	0.2520	0.0274	0.935	No
Fluorene	5.56	0.0885	0.359	0.0241	0.0223	--	7.026E-02	2.166E-01	15.80	3.150	0.00445	0.0688	No
Indeno(1,2,3-cd)pyrene	0.832	0.0757	0.472	0.0261	0.0239	--	9.634E-03	4.176E-02	2.520	0.2520	0.00382	0.166	No
Naphthalene[a]	28.8	0.0900	0.366	0.0261	0.0239	--	3.738E-01	1.146E+00	116.0	23.30	0.00322	0.0492	No
Phenanthrene	13.7	0.101	0.396	0.0271	0.0251	--	1.939E-01	5.872E-01	15.80	3.150	0.0123	0.186	No
Pyrene	11.2	0.0900	0.386	0.0247	0.0228	--	1.438E-01	4.666E-01	9.450	1.890	0.0152	0.247	No
Total HPAH 16	26.4	0.0485	0.199	0.0151	0.0139	--	2.069E-01	5.931E-01	2.520	0.2520	0.0821	2.35	Uncertain
Total LPAH 16	137	0.0771	0.325	0.0120	0.0186	--	1.416E+00	4.832E+00	15.80	3.150	0.0896	1.53	Uncertain
Total PAH 16	63.7	0.0375	0.166	0.00537	0.0112	--	3.698E-01	1.208E+00	--	--	--	--	--
Aroclor 1248	60.4	0.115	0.486	0.0952	0.255	--	1.341E+00	4.482E+00	0.09060	0.009060	14.8	495	Yes
Aroclor 1254	2.36	0.241	1.30	0.442	5.49	--	1.617E-01	1.574E+00	0.4180	0.08480	0.387	18.6	Uncertain
Aroclor 1260	0.820	0.206	0.724	1.04	22.1	--	1.014E-01	1.835E+00	0.4180	0.08480	0.243	21.6	Uncertain
Total PCB Aroclors	127	0.153	0.516	0.194	4.16	--	--	--	0.09060	0.009060	--	--	--
PCB-077[b]	0.0350	0.137	0.793	0.116	0.407	0.0001	9.238E-08	4.171E-07	see PCB congener TEQ				
PCB-081[b]	0.00154	0.137	0.793	0.116	0.407	0.0003	1.219E-08	5.506E-08	see PCB congener TEQ				
PCB-105	0.107	0.137	0.793	0.116	0.407	0.00003	8.472E-08	3.826E-07	see PCB congener TEQ				
PCB-114	0.00687	0.0553	0.253	0.0977	0.366	0.00003	3.420E-09	1.283E-08	see PCB congener TEQ				
PCB-118	0.122	0.722	7.52	0.839	3.04	0.00003	5.656E-07	3.793E-06	see PCB congener TEQ				
PCB-123[c]	0.0361	0.0537	0.435	0.0831	0.516	0.00003	1.625E-08	1.026E-07	see PCB congener TEQ				
PCB-126	0.000726	0.0537	0.435	0.0831	0.516	0.1	1.090E-06	6.881E-06	see PCB congener TEQ				
PCB-156	0.00970	0.127	0.524	0.164	0.648	0.00003	8.764E-09	3.388E-08	see PCB congener TEQ				
PCB-157	0.00970	0.154	0.594	0.179	0.639	0.00003	9.961E-09	3.562E-08	see PCB congener TEQ				
PCB-167	0.00294	0.146	0.472	0.198	0.849	0.00003	3.114E-09	1.156E-08	see PCB congener TEQ				
PCB-169	0.000141	0.0730	0.134	0.0846	0.0899	0.03	7.211E-08	9.958E-08	see PCB congener TEQ				
PCB-189	0.00106	0.0709	0.173	0.162	1.06	0.00003	7.767E-10	3.893E-09	see PCB congener TEQ				
PCB congeners TEQ	NA	--	--	--	--	--	1.959E-06	1.183E-05	4.66E-06	4.66E-07	0.420	25.4	Uncertain
1,2,3,4,6,7,8-HpCDD	0.000779	0.00106	0.00245	0.00245	0.0281	0.01	1.518E-08	3.582E-08	see Dioxin/furan congener TEQ				
1,2,3,4,6,7,8-HpCDF	0.00109	0.000682	0.0155	0.00426	0.0248	0.01	2.277E-08	6.053E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8,9-HpCDF	0.000134	0.000371	0.00409	0.000301	0.00192	0.01	2.239E-09	2.940E-09	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDD	0.0000138	0.00628	0.0441	0.0162	0.0555	0.1	5.254E-09	1.568E-08	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDF	0.000392	0.00142	0.00383	0.00128	0.0240	0.1	7.328E-08	1.698E-07	see Dioxin/furan congener TEQ				

Table C-12
Total Daily Intake and Hazard Quotient Worksheet for River Otter

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF fish class 1	95th percentile BSAF fish class 1	Geomean BSAF fish class 4	95th percentile BSAF fish class 4	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
1,2,3,6,7,8-HxCDD	0.0000443	0.00487	0.0178	0.0248	0.215	0.1	1.999E-08	1.082E-07	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDF	0.000120	0.0130	0.0350	0.0133	0.0563	0.1	5.018E-08	1.266E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDD	0.0000256	0.00554	0.0103	0.0179	0.0763	0.1	9.988E-09	2.583E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDF	0.00000931	0.00249	0.0609	0.00158	0.0194	0.1	1.865E-09	8.819E-09	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDD	0.00000548	0.0209	0.133	0.0201	0.190	1	3.081E-08	1.822E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDF	0.000208	0.00774	0.0140	0.0294	0.381	0.03	3.272E-08	2.515E-07	see Dioxin/furan congener TEQ				
2,3,4,6,7,8-HxCDF	0.0000229	0.00206	0.0151	0.00238	0.0318	0.1	4.671E-09	1.420E-08	see Dioxin/furan congener TEQ				
2,3,4,7,8-PeCDF	0.0000803	0.0226	0.0611	0.00583	0.247	0.3	1.058E-07	7.659E-07	see Dioxin/furan congener TEQ				
2,3,7,8-TCDD	0.000398	0.0305	0.101	0.0361	0.324	1	3.236E-06	1.721E-05	see Dioxin/furan congener TEQ				
2,3,7,8-TCDF	0.000329	0.0441	0.108	0.0368	0.941	0.1	3.136E-07	3.434E-06	see Dioxin/furan congener TEQ				
OCDD	0.00868	0.000722	0.00227	0.00112	0.0217	0.0003	4.649E-09	1.029E-08	see Dioxin/furan congener TEQ				
OCDF	0.0379	0.000256	0.000820	0.0000558	0.000779	0.0003	1.859E-08	2.003E-08	see Dioxin/furan congener TEQ				
Dioxin/furan congener TEQ	NA	--	--	--	--	--	7.865E-06	4.610E-05	4.66E-06	0.00000047	1.69	99.0	Yes
4,4'-DDD	0.0429	0.474	1.33	0.571	3.31	--	4.461E-03	1.957E-02	1.860	0.3730	0.00240	0.0525	No
4,4'-DDE	0.188	0.566	1.70	1.22	18.1	--	3.320E-02	3.650E-01	1.860	0.3730	0.0178	0.979	No
4,4'-DDT	0.585	0.672	1.33	0.778	8.08	--	8.405E-02	5.403E-01	1.860	0.3730	0.0452	1.45	Uncertain
Aldrin	0.0500	0.629	2.29	0.758	4.89	--	6.875E-03	3.525E-02	0.4660	0.09320	0.0148	0.378	No
Endrin	0.0140	0.508	1.33	0.511	0.934	--	1.420E-03	3.128E-03	0.2320	0.02320	0.00612	0.135	No
alpha-Chlordane	0.0417	0.729	2.69	0.960	5.05	--	6.968E-03	3.169E-02	2.320	1.160	0.00300	0.0273	No
gamma-BHC (Lindane)	0.600	0.973	2.29	0.867	0.881	--	1.091E-01	1.874E-01	18.60	3.730	0.00587	0.0502	No
Heptachlor Epoxide	0.0680	0.721	2.29	0.686	0.994	--	9.483E-03	2.199E-02	0.6060	0.06060	0.0156	0.363	No
Endosulfan I	0.0320	0.702	2.29	0.655	0.884	--	4.306E-03	1.000E-02	0.3490	0.06990	0.0123	0.143	No
Endosulfan II	0.100	0.593	1.33	0.681	2.68	--	1.264E-02	3.945E-02	0.3490	0.06990	0.0362	0.564	No
gamma-Chlordane	0.0864	0.691	2.58	0.967	4.24	--	1.417E-02	5.787E-02	2.320	1.160	0.00611	0.0499	No
Methoxychlor	0.120	0.176	0.311	0.207	0.660	--	4.696E-03	1.161E-02	3.730	1.860	0.00126	0.00624	No
Total Chlordane (alpha & gamma)	0.144	0.701	2.63	1.11	3.37	--	2.578E-02	8.488E-02	2.320	1.160	0.0111	0.0732	No
Total DDT	1.61	0.457	1.29	0.742	2.00	--	1.917E-01	5.216E-01	1.860	0.3730	0.103	1.40	Uncertain
Hexachlorobenzene	55.0	0.0849	0.306	0.0269	0.216	--	6.907E-01	2.901E+00	12.90	1.350	0.0535	2.15	Uncertain
Hexachlorobutadiene	11.8	0.100	0.448	0.0380	0.201	--	1.785E-01	7.693E-01	4.660	0.9320	0.0383	0.825	No
Hexachloroethane	2.41	0.101	0.460	0.0272	0.0252	--	3.414E-02	1.184E-01	233.0	46.60	0.000147	0.00254	No
1,2-Dichlorobenzene[d]	0.0400	0.0849	0.306	15.2	15.2	--	5.997E-02	6.083E-02	280.0	55.90	0.000214	0.00109	No
1,3-Dichlorobenzene[d]	8.85	0.0849	0.306	15.8	15.8	--	1.379E+01	1.398E+01	200.0	39.90	0.0689	0.350	No
1,4-Dichlorobenzene[d]	1.05	0.0849	0.306	15.7	15.7	--	1.626E+00	1.648E+00	1400	280.0	0.00116	0.00589	No
bis(2-ethylhexyl)phthalate*	6.94	0	0	0	0	--	1.114E-02	1.114E-02	22.94	11.090	0.000486	0.00100	No
1,1,1-Trichloroethane*	0.115	0	0	0	0	--	1.846E-04	1.846E-04	1309.91	262.0	0.00000014	0.00000070	No
1,1,2,2-Tetrachloroethane*	0.115	0	0	0	0	--	1.846E-04	1.846E-04	--	--	--	--	See note e
Acrylonitrile*	0.500	0	0	0	0	--	8.024E-04	8.024E-04	--	--	--	--	See note e
Benzene*	0.252	0	0	0	0	--	4.044E-04	4.044E-04	66.45	6.650	0.00000609	0.0000608	No
Chlorobenzene*	0.169	0	0	0	0	--	2.712E-04	2.712E-04	--	--	--	--	NA
Toluene*	0.141	0	0	0	0	--	2.263E-04	2.263E-04	65.49	6.550	0.00000346	0.0000345	See note e
Total xylene*	1.90	0	0	0	0	--	3.049E-03	3.049E-03	0.6600	0.5300	0.00462	0.00575	No

Notes

*Non-bioaccumulative; evaluated for direct ingestion only

a - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

c - No BSAF values for PCB-123 available for Prey Group; PCB-126 BSAF used as surrogate

d - No BSAF values for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene Group 1 Fish; hexachlorobenzene used as surrogate

e - Not assessed due to lack of available effects data (i.e. TRV)

Table C-13
Total Daily Intake and Hazard Quotient Worksheet for Mink

Scenario: Hypothetical carnivorous mammal receptor of concern - Mink

Exposure Assessment

Exposure Model

$$TDI = \left[FMR \times \left(\frac{C_t \times PD}{AE \times GE} \right) + \left(C_s \times IR_s \right) \right] \times AUF$$

Variables

TDI	Total Daily Intake (mg/kg bw/day)
C_t	Concentration in prey (mg/kg WW)*
FMR	Normalized free metabolic rate (Kcal/kg BW/day)
GE	Gross energy of prey class group (Kcal/kg)
AE	Assimilation efficiency for prey (unitless)
C_s	Concentration in sediment (mg/kg DW)
IR_s	Ingestion rate of sediment (kg DW/kg BW/day)
AUF	Area use factor (unitless)

Free metabolic rate

$$FMR = \frac{\left(\left(a \times BW^{b} \right) \times CF_1 \right)}{BW \times CF_2}$$

a	FMR-slope
b	FMR-power
BW	Body weight (g)
CF_1	Conversion factor (1 kcal/4.186 kJ)
CF_2	Conversion factor (1 kg / 1000 g)

Concentration in tissue

$$C_n = C_s \times BSAF$$

C_s	Concentration in sediment (mg/kg DW)
BSAF	Biota-sediment accumulation factor

FMR	852	kcal/day/kg BW
PD	1	unitless
AE_{fish}	0.84	unitless
GE_{fish}	850	$kcal/kg_{fish}$
IR_s	0.0022	kg DW/kg BW/day
AUF	1	unitless
BW	852	g
a	2.23	unitless
b	0.85	unitless

Table C-13
Total Daily Intake and Hazard Quotient Worksheet for Mink

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF fish class 1	95th percentile BSAF fish class 1	Geomean BSAF fish class 4	95th percentile BSAF fish class 4	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
Arsenic	78.3	0.0558	0.0953	0.0965	0.264	--	7.289E+00	1.696E+01	0.55	0.05	13.3	311	Yes
Cadmium	0.985	0.0179	0.0484	0.00639	0.0121	--	1.646E-02	3.774E-02	8.01	0.80	0.00206	0.0471	No
Chromium	207	0.00503	0.00931	0.00286	0.0143	--	1.434E+00	3.376E+00	11000.00	2190.00	0.000130	0.00154	No
Copper	109	0.0412	0.161	0.0113	0.191	--	3.656E+00	2.313E+01	16.00	12.20	0.229	1.90	Uncertain
Lead	158	0.00341	0.0114	0.00121	0.0180	--	7.864E-01	3.122E+00	64.00	6.40	0.0123	0.488	No
Mercury	81.9	0.139	0.485	0.107	0.347	--	1.220E+01	4.084E+01	0.03	0.02	469	2620	Yes
Nickel	52.8	0.00391	0.00928	0.00582	0.0211	--	4.238E-01	1.074E+00	64.00	32.00	0.00662	0.0336	No
Selenium	1.20	0.624	0.883	0.746	2.83	--	9.835E-01	2.661E+00	0.26	0.16	3.73	16.6	Yes
Zinc	721	0.224	0.386	0.0641	0.150	--	1.255E+02	2.322E+02	256.00	128.00	0.490	1.81	Uncertain
2-Methylnaphthalene	10.5	0.0900	0.366	0.0257	0.0237	--	7.481E-01	2.465E+00	108.00	21.70	0.00693	0.114	No
Acenaphthene	7.96	0.0884	0.358	0.0252	0.0236	--	5.572E-01	1.830E+00	37.90	7.58	0.0147	0.241	No
Acenaphthylene	8.59	0.0968	0.394	0.0265	0.0245	--	6.510E-01	2.164E+00	37.90	7.58	0.0172	0.285	No
Anthracene	6.49	0.0944	0.382	0.0260	0.0240	--	4.806E-01	1.587E+00	217.00	43.30	0.00221	0.0366	No
Benzo(a)anthracene	2.75	0.101	0.395	0.0260	0.0240	--	2.145E-01	6.936E-01	4.33	0.43	0.0495	1.60	Uncertain
Benzo(a)pyrene	2.59	0.0822	0.539	0.0263	0.0240	--	1.734E-01	8.758E-01	4.33	0.43	0.0400	2.02	Uncertain
Benzo(b)fluoranthene	2.33	0.0765	0.480	0.0254	0.0233	--	1.468E-01	7.048E-01	4.33	0.43	0.0339	1.63	Uncertain
Benzo(g,h,i)perylene	3.06	0.0773	0.498	0.0260	0.0238	--	1.954E-01	9.595E-01	4.33	0.43	0.0451	2.22	Uncertain
Benzo(k)fluoranthene	2.24	0.0778	0.487	0.0259	0.0237	--	1.436E-01	6.875E-01	4.33	0.43	0.0332	1.59	Uncertain
Chrysene	3.04	0.0948	0.370	0.0254	0.0234	--	2.248E-01	7.203E-01	4.33	0.43	0.0519	1.66	Uncertain
Dibenzo(a,h)anthracene	2.84	0.0737	0.447	0.0258	0.0236	--	1.749E-01	8.037E-01	4.33	0.43	0.0404	1.86	Uncertain
Fluoranthene	5.47	0.0884	0.401	0.0241	0.0223	--	3.793E-01	1.394E+00	4.33	0.43	0.0876	3.22	Uncertain
Fluorene	5.56	0.0885	0.359	0.0241	0.0223	--	3.859E-01	1.277E+00	27.10	5.41	0.0142	0.236	No
Indeno(1,2,3-cd)pyrene	0.832	0.0757	0.472	0.0261	0.0239	--	5.238E-02	2.480E-01	4.33	0.43	0.0121	0.573	No
Naphthalene[a]	28.8	0.0900	0.366	0.0257	0.0237	--	2.052E+00	6.760E+00	200.00	40.00	0.0103	0.169	No
Phenanthrene	13.7	0.101	0.396	0.0271	0.0251	--	1.078E+00	3.472E+00	27.10	5.41	0.0398	0.642	No
Pyrene	11.2	0.0900	0.386	0.0247	0.0228	--	7.913E-01	2.757E+00	16.20	3.25	0.0488	0.848	No
Total HPAH 16	26.4	0.0485	0.199	0.0151	0.0139	--	1.060E+00	3.412E+00	4.33	0.43	0.245	7.88	Uncertain
Total LPAH 16	137	0.0771	0.325	0.0120	0.0186	--	7.587E+00	2.839E+01	27.10	5.41	0.280	5.25	Uncertain
Total PAH 16	63.7	0.0375	0.166	0.00537	0.0112	--	1.771E+00	6.876E+00	--	--	--	--	--
Aroclor 1248	60.4	0.115	0.486	0.0952	0.255	--	7.709E+00	2.684E+01	0.16	0.02	49.4	1720	Yes
Aroclor 1254	2.36	0.241	1.30	0.442	5.49	--	9.670E-01	9.566E+00	0.72	0.15	1.35	65.5	Yes
Aroclor 1260	0.820	0.206	0.724	1.04	22.1	--	6.114E-01	1.117E+01	0.72	0.15	0.852	76.5	Uncertain
Total PCB Aroclors	127	0.153	0.516	0.194	4.16	--	--	--	0.16	0.02	--	--	--
PCB-077[b]	0.0350	0.137	0.793	0.116	0.407	0.0001	5.361E-07	2.514E-06	see PCB congener TEQ				
PCB-081[b]	0.00154	0.137	0.793	0.116	0.407	0.0003	7.076E-08	3.318E-07	see PCB congener TEQ				
PCB-105	0.107	0.137	0.793	0.116	0.407	0.00003	4.917E-07	2.305E-06	see PCB congener TEQ				
PCB-114	0.00687	0.0553	0.253	0.0977	0.366	0.00003	1.927E-08	7.657E-08	see PCB congener TEQ				
PCB-118	0.122	0.722	7.52	0.839	3.04	0.00003	3.417E-06	2.307E-05	see PCB congener TEQ				
PCB-123[c]	0.0361	0.0537	0.435	0.0831	0.516	0.00003	9.080E-08	6.169E-07	see PCB congener TEQ				
PCB-126	0.000726	0.0537	0.435	0.0831	0.516	0.1	6.087E-06	4.135E-05	see PCB congener TEQ				
PCB-156	0.00970	0.127	0.524	0.164	0.648	0.00003	5.117E-08	2.041E-07	see PCB congener TEQ				
PCB-157	0.00970	0.154	0.594	0.179	0.639	0.00003	5.846E-08	2.147E-07	see PCB congener TEQ				
PCB-167	0.00294	0.146	0.472	0.198	0.849	0.00003	1.830E-08	6.971E-08	see PCB congener TEQ				
PCB-169	0.000141	0.0730	0.134	0.0846	0.0899	0.03	4.071E-07	5.745E-07	see PCB congener TEQ				
PCB-189	0.00106	0.0709	0.173	0.162	1.06	0.00003	4.489E-09	2.346E-08	see PCB congener TEQ				
PCB congeners TEQ	NA	--	--	--	--	--	1.125E-05	7.135E-05	8.01E-06	8.01E-07	1.40	89.1	Yes
1,2,3,4,6,7,8-HpCDD	0.000779	0.00106	0.00245	0.00245	0.0281	0.01	3.361E-08	1.593E-07	see Dioxin/furan congener TEQ				
1,2,3,4,6,7,8-HpCDF	0.00109	0.000682	0.0155	0.00426	0.0248	0.01	5.635E-08	2.863E-07	see Dioxin/furan congener TEQ				
1,2,3,4,7,8,9-HpCDF	0.000134	0.000371	0.00409	0.000301	0.00192	0.01	3.513E-09	7.781E-09	see Dioxin/furan congener TEQ				
1,2,3,4,7,8-HxCDD	0.0000138	0.00628	0.0441	0.0162	0.0555	0.1	2.157E-08	8.507E-08	see Dioxin/furan congener TEQ				

Table C-13
Total Daily Intake and Hazard Quotient Worksheet for Mink

Chemical	95UCL C_s (mg/kg_{dw})	Geomean BSAF fish class 1	95th percentile BSAF fish class 1	Geomean BSAF fish class 4	95th percentile BSAF fish class 4	TEF	Geomean TDI ($mg/kg_{bw}/day$)	95th percentile TDI ($mg/kg_{bw}/day$)	LOAEL ($mg/kg_{bw}/day$)	NOAEL ($mg/kg_{bw}/day$)	HQ LOAEL	HQ NOAEL	COPC
1,2,3,4,7,8-HxCDF	0.000392	0.00142	0.00383	0.00128	0.0240	0.1	1.502E-07	7.380E-07	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDD	0.0000443	0.00487	0.0178	0.0248	0.215	0.1	8.826E-08	6.252E-07	see Dioxin/furan congener TEQ				
1,2,3,6,7,8-HxCDF	0.000120	0.0130	0.0350	0.0133	0.0563	0.1	2.149E-07	6.803E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDD	0.0000256	0.00554	0.0103	0.0179	0.0763	0.1	4.149E-08	1.380E-07	see Dioxin/furan congener TEQ				
1,2,3,7,8,9-HxCDF	0.00000931	0.00249	0.0609	0.00158	0.0194	0.1	4.328E-09	4.667E-08	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDD	0.00000548	0.0209	0.133	0.0201	0.190	1	1.462E-07	1.068E-06	see Dioxin/furan congener TEQ				
1,2,3,7,8-PeCDF	0.000208	0.00774	0.0140	0.0294	0.381	0.03	1.521E-07	1.484E-06	see Dioxin/furan congener TEQ				
2,3,4,6,7,8-HxCDF	0.0000229	0.00206	0.0151	0.00238	0.0318	0.1	1.115E-08	6.917E-08	see Dioxin/furan congener TEQ				
2,3,4,7,8-PeCDF	0.0000803	0.0226	0.0611	0.00583	0.247	0.3	4.621E-07	4.482E-06	see Dioxin/furan congener TEQ				
2,3,7,8-TCDD	0.000398	0.0305	0.101	0.0361	0.324	1	1.670E-05	1.018E-04	see Dioxin/furan congener TEQ				
2,3,7,8-TCDF	0.000329	0.0441	0.108	0.0368	0.941	0.1	1.661E-06	2.066E-05	see Dioxin/furan congener TEQ				
OCDD	0.00868	0.000722	0.00227	0.00112	0.0217	0.0003	8.645E-09	4.302E-08	see Dioxin/furan congener TEQ				
OCDF	0.0379	0.000256	0.000820	0.0000558	0.000779	0.0003	2.737E-08	3.610E-08	see Dioxin/furan congener TEQ				
Dioxin/furan congeners TEQ	NA	--	--	--	--	--	1.978E-05	1.324E-04	8.01E-06	8.01E-07	2.47	165	Yes
4,4'-DDD	0.0429	0.474	1.33	0.571	3.31	--	2.684E-02	1.189E-01	3.20	0.64	0.00839	0.186	No
4,4'-DDE	0.188	0.566	1.70	1.22	18.1	--	2.007E-01	2.221E+00	3.20	0.64	0.0627	3.47	Uncertain
4,4'-DDT	0.585	0.672	1.33	0.778	8.08	--	5.074E-01	3.286E+00	3.20	0.64	0.159	5.13	Uncertain
Aldrin	0.0500	0.629	2.29	0.758	4.89	--	4.149E-02	2.143E-01	0.80	0.16	0.0518	1.34	Uncertain
Endrin	0.0140	0.508	1.33	0.511	0.934	--	8.543E-03	1.894E-02	0.40	0.04	0.0214	0.475	No
alpha-Chlordane	0.0417	0.729	2.69	0.960	5.05	--	4.211E-02	1.927E-01	3.99	2	0.0106	0.0968	No
gamma-BHC (Lindane)	0.600	0.973	2.29	0.867	0.881	--	6.600E-01	1.136E+00	32.00	6	0.0206	0.178	No
Heptachlor Epoxide	0.0680	0.721	2.29	0.686	0.994	--	5.724E-02	1.334E-01	1.04	0	0.0550	1.28	Uncertain
Endosulfan I	0.0320	0.702	2.29	0.655	0.884	--	2.598E-02	6.067E-02	0.60	0	0.0433	0.506	No
Endosulfan II	0.100	0.593	1.33	0.681	2.68	--	7.623E-02	2.395E-01	0.60	0	0.127	2.00	Uncertain
gamma-Chlordane	0.0864	0.691	2.58	0.967	4.24	--	8.566E-02	3.518E-01	3.99	2	0.0215	0.177	No
Methoxychlor	0.120	0.176	0.311	0.207	0.660	--	2.769E-02	6.979E-02	6.40	3	0.00433	0.0218	No
Total Chlordane (alpha & gamma)	0.144	0.701	2.63	1.11	3.37	--	1.559E-01	5.158E-01	3.99	2	0.0391	0.259	No
Total DDT	1.61	0.457	1.29	0.742	2.00	--	1.155E+00	3.164E+00	3.20	0.64	0.361	4.94	Uncertain
Hexachlorobenzene	55.0	0.0849	0.306	0.0269	0.216	--	3.791E+00	1.725E+01	22.20	2	0.171	7.47	Uncertain
Hexachlorobutadiene	11.8	0.100	0.448	0.0380	0.201	--	9.978E-01	4.595E+00	8.01	2	0.125	2.87	Uncertain
Hexachloroethane	2.41	0.101	0.460	0.0272	0.0252	--	1.897E-01	7.030E-01	400.00	80	0.000474	0.00878	No
1,2-Dichlorobenzene[d]	0.0400	0.0849	0.306	15.2	15.2	--	3.649E-01	3.701E-01	480.00	96	0.000760	0.00385	No
1,3-Dichlorobenzene[d]	8.85	0.0849	0.306	15.8	15.8	--	8.390E+01	8.506E+01	343.00	69	0.245	1.24	Uncertain
1,4-Dichlorobenzene[d]	1.05	0.0849	0.306	15.7	15.7	--	9.891E+00	1.003E+01	2400	480	0.00412	0.0209	No
bis(2-ethylhexyl)phthalate*	6.94	0	0	0	0	--	1.541E-02	1.541E-02	39.4	19.06	0.000391	0.000809	No
1,1,1-Trichloroethane*	0.115	0	0	0	0	--	2.554E-04	2.554E-04	2251.01	450	0.00000011	0.00000057	No
1,1,2,2-Tetrachloroethane*	0.115	0	0	0	0	--	2.554E-04	2.554E-04	--	--	--	--	See note e
Acrylonitrile*	0.500	0	0	0	0	--	1.110E-03	1.110E-03	--	--	--	--	See note e
Benzene*	0.252	0	0	0	0	--	5.597E-04	5.597E-04	114.2	11.44	0.00000490	0.0000489	No
Chlorobenzene*	0.169	0	0	0	0	--	3.753E-04	3.753E-04	--	--	--	--	See note e
Toluene*	0.141	0	0	0	0	--	3.131E-04	3.131E-04	112.5	11.26	0.00000278	0.0000278	No
Total xylene*	1.90	0	0	0	0	--	4.220E-03	4.220E-03	1.130	0.910	0.00373	0.00464	No

Notes

*Non-bioaccumulative; evaluated for direct ingestion only

a - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

b - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

c - No BSAF values for PCB-123 available for Prey Group; PCB-126 BSAF used as surrogate

d - No BSAF values for 1,2-dichlorobenzene, 1,3-dichlorobenzene, 1,4-dichlorobenzene Group 1 Fish; hexachlorobenzene used as surrogate

e - Not assessed due to lack of available effects data (i.e. TRV)

Table C-14
Estimated Body Burden and Hazard Quotient Worksheet for Carnivorous Fish

Chemical Clas	Chemical[a]	UCL 95 (mg/kg)	Geomean BSAF[e] (ww fish / dw sed)	TEF-fish - (WHO 1998)	Congener Tissue Conc (ww fish)[f]	Fish Tissue Conc (ww fish)	Low Effect Fish Tissue Benchmark (ww fish)	Screening HQ Lower Bound (Tissue Conc / Benchmark)	95th percentile BSAF[e] (ww fish / dw sed)	Congener Tissue Conc (ww fish)[f]	Fish Tissue Conc (ww fish)	No Effect Fish Tissue Benchmark (ww fish)	Screening HQ Upper Bound (Tissue Conc / Benchmark)	COPC
Metals	Arsenic	78.3	0.097			7.556E+00	3.41	2.22	0.265		2.075E+01	0.341	60.8	Yes
	Cadmium	0.985	0.0064			6.304E-03	2.29	0.00275	0.0121		1.192E-02	0.00549	2.17	Uncertain
	Chromium	207	0.00290			6.003E-01	5.33	0.113	0.0143		2.960E+00	1.07	2.77	Uncertain
	Copper	109	0.0113			1.232E+00	9.65	0.128	0.191		2.082E+01	3.41	6.11	Uncertain
	Lead	158	0.00120			1.896E-01	4.00	0.0474	0.0180		2.844E+00	1.58	1.80	Uncertain
	Mercury	81.9	0.1067			8.739E+00	3.37	2.59	0.347		2.842E+01	1.56	18.2	Yes
	Nickel	52.8	0.00580			3.062E-01	--	--	0.0211		1.114E+00	--	--	See note k
	Selenium	1.20	0.746			8.948E-01	1.90	0.471	2.83		3.396E+00	1.34	2.53	Uncertain
	Zinc	721	0.0641			4.622E+01	80.0	0.578	0.150		1.082E+02	39.4	2.74	Uncertain
PAH	2-Methylnaphthalene	10.5	0.0257			2.699E-01	3.29	0.0820	0.0237		2.489E-01	0.659	0.378	No
	Acenaphthene	7.96	0.0252			2.006E-01	17.5	0.0115	0.0236		1.879E-01	3.50	0.0537	No
	Acenaphthylene	8.59	0.0265			2.276E-01	3.29	0.0692	0.0245		2.105E-01	0.659	0.319	No
	Anthracene	6.49	0.0260			1.687E-01	3.29	0.0513	0.0240		1.558E-01	0.659	0.236	No
	Benzo(a)anthracene	2.75	0.0260			7.150E-02	3.29	0.0217	0.0240		6.600E-02	0.659	0.100	No
	Benzo(a)pyrene	2.59	0.0263			6.812E-02	61.7	0.00110	0.0240		6.216E-02	12.3	0.00505	No
	Benzo(b)fluoranthene	2.33	0.0254			5.918E-02	3.29	0.0180	0.0233		5.429E-02	0.659	0.0824	No
	Benzo(g,h,i)perylene	3.06	0.0260			7.956E-02	3.29	0.0242	0.0238		7.283E-02	0.659	0.111	No
	Benzo(k)fluoranthene	2.24	0.0259			5.802E-02	3.29	0.0176	0.0237		5.309E-02	0.659	0.0806	No
	Chrysene	3.04	0.0254			7.722E-02	--	--	0.0234		7.114E-02	--	--	See note k
	Dibenzo(a,h)anthracene	2.84	0.0258			7.327E-02	3.29	0.0223	0.0236		6.702E-02	0.659	0.102	No
	Fluoranthene	5.47	0.0241			1.318E-01	3.29	0.0401	0.0223		1.220E-01	0.659	0.185	No
	Fluorene	5.56	0.0241			1.340E-01	3.29	0.0407	0.0223		1.240E-01	0.659	0.188	No
	Indeno(1,2,3-cd)pyrene	0.832	0.0261			2.172E-02	3.29	0.00660	0.0239		1.988E-02	0.659	0.0302	No
	Naphthalene[h]	28.8	0.0257			7.402E-01	17.0	0.0435	0.0237		6.826E-01	1.70	0.402	No
	Phenanthrene	13.7	0.0271			3.713E-01	183	0.00203	0.0251		3.439E-01	36.6	0.00940	No
	Pyrene	11.2	0.0247			2.766E-01	3.29	0.0841	0.0228		2.554E-01	0.659	0.387	No
	Total HPAH 16	26.4	0.0151			3.986E-01	3.29	0.121	0.0139		3.670E-01	0.659	0.557	No
	Total LPAH 16	137	0.0120			1.644E+00	3.29	0.500	0.0186		2.548E+00	0.659	3.87	Uncertain
	Total PAH 16	63.7	0.0054			3.440E-01	3.29	0.105	0.0112		7.134E-01	0.659	1.08	Uncertain
PCB	Aroclor 1248	60.4	0.095			5.750E+00	--	--	0.255		1.540E+01	NV	--	See note k
	Aroclor 1254	2.36	0.442			1.043E+00	33.8	0.0309	5.49		1.296E+01	17.3	0.749	No
	Aroclor 1260	0.820	1.042			8.543E-01	--	--	22.1		1.812E+01	--	--	See note k
	Total PCB Aroclors	127	0.194			2.468E+01	7.69	3.21	4.16		5.283E+02	0.769	687	Yes
	PCB-077[i]	0.0350	0.117	0.0001	4.08E-07	by TEQ	by TEQ	by TEQ	0.407	1.42E-06	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-081[i]	0.00154	0.117	0.0005	8.97E-08	by TEQ	by TEQ	by TEQ	0.407	3.13E-07	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-105	0.107	0.117	0.000005	6.23E-08	by TEQ	by TEQ	by TEQ	0.407	2.18E-07	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-114	0.00687	0.098	0.000005	3.36E-09	by TEQ	by TEQ	by TEQ	0.366	1.26E-08	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-118	0.122	0.839	0.000005	5.12E-07	by TEQ	by TEQ	by TEQ	3.04	1.85E-06	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-123[j]	0.0361	0.0831	0.000005	1.50E-08	by TEQ	by TEQ	by TEQ	0.516	9.31E-08	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-126	0.000726	0.0831	0.005	3.02E-07	by TEQ	by TEQ	by TEQ	0.516	1.87E-06	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-156	0.00970	0.164	0.000005	7.97E-09	by TEQ	by TEQ	by TEQ	0.648	3.14E-08	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-157	0.00970	0.179	0.000005	8.66E-09	by TEQ	by TEQ	by TEQ	0.639	3.10E-08	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-167	0.00294	0.198	0.000005	2.91E-09	by TEQ	by TEQ	by TEQ	0.849	1.25E-08	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-169	0.000141	0.0846	0.00005	5.96E-10	by TEQ	by TEQ	by TEQ	0.0899	6.34E-10	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB-189	0.00106	0.162	0.000005	8.56E-10	by TEQ	by TEQ	by TEQ	1.06	5.62E-09	by TEQ	by TEQ	by TEQ	See PCB Congener TEQ
	PCB congeners	NA	0.365			1.413E-06	7.69	0.00000018	1.40		5.870E-06	0.769	0.00000763	No
Dioxin/Furans	1,2,3,4,6,7,8-HpCDD	0.000779	0.00240	0.001	1.87E-09	by TEQ	by TEQ	by TEQ	0.0281	2.19E-08	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,4,6,7,8-HpCDF	0.00109	0.00430	0.01	4.69E-08	by TEQ	by TEQ	by TEQ	0.0248	2.70E-07	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,4,7,8,9-HpCDF	0.000134	0.000300	0.01	4.02E-10	by TEQ	by TEQ	by TEQ	0.00190	2.55E-09	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,4,7,8-HxCDD	0.0000138	0.0162	0.5	1.12E-07	by TEQ	by TEQ	by TEQ	0.0555	3.83E-07	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,4,7,8-HxCDF	0.000392	0.00130	0.1	5.10E-08	by TEQ	by TEQ	by TEQ	0.0240	9.41E-07	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,6,7,8-HxCDD	0.0000443	0.0248	0.01	1.10E-08	by TEQ	by TEQ	by TEQ	0.215	9.52E-08	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,6,7,8-HxCDF	0.000120	0.0133	0.1	1.60E-07	by TEQ	by TEQ	by TEQ	0.0563	6.76E-07	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,7,8,9-HxCDD	0.0000256	0.0179	0.01	4.58E-09	by TEQ	by TEQ	by TEQ	0.0763	1.95E-08	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ

Table C-14
Estimated Body Burden and Hazard Quotient Worksheet for Carnivorous Fish

Chemical Clas	Chemical[a]	UCL 95 (mg/kg)	Geomean BSAF[e] (ww fish / dw sed)	TEF-fish - (WHO 1998)	Congener Tissue Conc (ww fish)[f]	Fish Tissue Conc (ww fish)	Low Effect Fish Tissue Benchmark (ww fish)	Screening HQ Lower Bound (Tissue Conc / Benchmark)	95th percentile BSAF[e] (ww fish / dw sed)	Congener Tissue Conc (ww fish)[f]	Fish Tissue Conc (ww fish)	No Effect Fish Tissue Benchmark (ww fish)	Screening HQ Upper Bound (Tissue Conc / Benchmark)	COPC
Dioxin/Furans	1,2,3,7,8,9-HxCDF	0.00000931	0.00160	0.1	1.49E-09	by TEQ	by TEQ	by TEQ	0.0194	1.81E-08	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,7,8-PeCDD	0.00000548	0.0201	1	1.10E-07	by TEQ	by TEQ	by TEQ	0.190	1.04E-06	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	1,2,3,7,8-PeCDF	0.000208	0.0294	0.05	3.06E-07	by TEQ	by TEQ	by TEQ	0.381	3.96E-06	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	2,3,4,6,7,8-HxCDF	0.0000229	0.00240	0.1	5.50E-09	by TEQ	by TEQ	by TEQ	0.0318	7.28E-08	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	2,3,4,7,8-PeCDF	0.0000803	0.00580	0.5	2.33E-07	by TEQ	by TEQ	by TEQ	0.247	9.92E-06	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	2,3,7,8-TCDD	0.000398	0.0361	1	1.44E-05	by TEQ	by TEQ	by TEQ	0.324	1.29E-04	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	2,3,7,8-TCDF	0.000329	0.0368	0.05	6.05E-07	by TEQ	by TEQ	by TEQ	0.941	1.55E-05	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	OCDD	0.00868	0.001100	0.0001	9.55E-10	by TEQ	by TEQ	by TEQ	0.0217	1.88E-08	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	OCDF	0.0379	0.0001000	0.0001	3.79E-10	by TEQ	by TEQ	by TEQ	0.000800	3.03E-09	by TEQ	by TEQ	by TEQ	See Dioxin/furan congener TEQ
	Dioxin/furan congeners	NA	0.0165			1.602E-05	0.000878	0.0182	0.193		1.619E-04	0.0000878	1.84	Uncertain
Pesticides	4,4'-DDD	0.0429	0.571			2.450E-02	0.600	0.0408	3.31		1.420E-01	0.0600	2.37	Uncertain
	4,4'-DDE	0.188	1.217			2.288E-01	0.810	0.283	18.1		3.403E+00	0.0810	42.0	Uncertain
	4,4'-DDT	0.585	0.778			4.551E-01	11.1	0.0410	8.08		4.727E+00	6.14	0.770	No
	Aldrin	0.0500	0.758			3.788E-02	0.785	0.0483	4.89		2.445E-01	0.157	1.56	Uncertain
	Endrin	0.0140	0.511			7.157E-03	0.417	0.0172	0.934		1.308E-02	0.306	0.0427	No
	alpha-Chlordane	0.0417	0.960			4.002E-02	14.1	0.00284	5.05		2.106E-01	0.381	0.553	No
	gamma-BHC (Lindane)	0.600	0.87			5.203E-01	9.53	0.0546	0.881		5.286E-01	4.83	0.109	No
	Heptachlor Epoxide	0.0680	0.686			4.665E-02	8.00	0.00583	0.994		6.759E-02	0.444	0.152	No
	Endosulfan I	0.0320	0.655			2.096E-02	0.975	0.0215	0.884		2.829E-02	0.195	0.145	No
	Endosulfan II	0.100	0.681			6.807E-02	0.975	0.0698	2.68		2.680E-01	0.195	1.37	Uncertain
	gamma-Chlordane	0.0864	0.967			8.351E-02	14.1	0.00592	4.24		3.663E-01	0.381	0.962	No
	Methoxychlor	0.120	0.207			2.484E-02	0.902	0.0275	0.660		7.920E-02	0.180	0.440	No
	Total Chlordane (alpha & gamma)	0.144	1.111			1.600E-01	14.1	0.0113	3.37		4.853E-01	0.381	1.27	Uncertain
	Total DDT	1.61	0.742			1.194E+00	--	--	2.00		3.220E+00	--	--	See note k
SVOC	Hexachlorobenzene	55.0	0.0269			1.480E+00	--	--	0.216		1.188E+01	--	--	See note k
	Hexachlorobutadiene	11.8	0.038			4.484E-01	25.8	0.0174	0.201		2.372E+00	2.58	0.919	No
	Hexachloroethane	2.41	0.0272			6.555E-02	--	--	0.0252		6.073E-02	--	--	See note k
VOC	1,2-Dichlorobenzene	0.0400	15.1749			6.070E-01	3.50	0.173	15.2		6.080E-01	0.700	0.869	No
	1,3-Dichlorobenzene	8.85	15.7881			1.397E+02	170	0.822	15.8		1.398E+02	68.8	2.03	Uncertain
	1,4-Dichlorobenzene	1.05	15.6984			1.648E+01	103	0.160	15.7		1.649E+01	33.7	0.489	No

Notes:

a - Chemicals in this screening table are those identified as potential bioaccumulatives in the preliminary COPC screening (Appendix A) and were detected at least once in the surface sediment data set.

c - Lower Bound: geometric mean of the BSAF and the low effect tissue benchmark.

d - Upper Bound: 95th percentile of the BSAF (assuming lognormal distribution) and the no effect tissue benchmark.

e - BSAF for carnivorous fish receptors include prey groups 4A, and 4B fish.

f - Dioxins and PCBs are evaluated using the Toxic Equivalency Quotient (TEQ) method in this COPC refinement step. Congener UCL were multiplied by BSAF and toxic equivalency factors (TEF) to derive a congener-based tissue concentration. To arrive at the TEQ concentration, the congener-based concentrations were summed.

g - BSAF for hexachlorobenzene used as a surrogate due to data quality issues associated with BSAF for these chemicals (See Table C-8)

h - No BSAF values for Naphthalene available for Prey Group; Benzo(a)pyrene BSAF used as surrogate

i - No BSAF values for PCB-77 and PCB-81 available for Prey Group; PCB-105 BSAF used as surrogate

j - No BSAF values for PCB-123 available for Prey Group; PCB-126 BSAF used as surrogate

k - Not assessed due to lack of available effects data (i.e. TRV)

NA - Low FOD for chemical, ProUCL could not compute; Screening Concentration is maximum detected.

Shaded HQ estimates indicate Screening HQs exceeding the screening benchmark of 1.

ATTACHMENT D

DATABASE RECORDS

Attachment D
Database Records

Task:	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS
Location ID:	EF-001	PB-003	PB-009	PB-016	PB-018	PB-022	PB-030	PB-036	PB-042	PB-048
Y Coord:	13831246.94	13836154.41	13836186.47	13836105.37	13835866.87	13835492.52	13834704.4	13834129.85	13833564.42	13832966.96
X Coord:	3201632.958	3202134.797	3201846.046	3201172.392	3201082.264	3201095.007	3201358.784	3201370.125	3201345.24	3201486.842
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm
Sample ID:	EF001-1SC011-N	PB003-1SC011-N	PB009-1SC011-N	PB016-1SC011-N	PB018-1SC011-N	PB022-1SC011-N	PB030-1SC011-N	PB036-1SC011-N	PB042-1SC011-N	PB048-1SC011-N
Sample Date:	10/5/06	10/2/06	10/2/06	10/3/06	10/3/06	10/3/06	10/4/06	10/4/06	10/4/06	10/4/06
Sample Type:	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)										
Ammonia	--	--	--	--	--	--	--	--	--	--
Diox/Fur (ng/kg)										
1,2,3,4,6,7,8-HpCDD	11.78	164.062	242.767	146.661	319.784	474.054	81.046	152.114	60.504	739.085
1,2,3,4,6,7,8-HpCDF	2.139 J	361.917	1040.752 J	622.828 J	1630.875	1161.314 J	60.053	401.363	62.891	278.298
1,2,3,4,7,8,9-HpCDF	2.576 U	39.092	74.894	58.143	133.991	100.097	8.193	75.486	21.535	53.608
1,2,3,4,7,8-HxCDD	0.104 J	2.112 J	2.654 U	0.95 J	2.676 U	4.263	1.543 J	0.915 J	0.523 J	12.392
1,2,3,4,7,8-HxCDF	0.174 J	93.076	126.085 J	76.199	116.199	175.355	20.873	151.413	25.699	189.824
1,2,3,6,7,8-HxCDD	0.41 J	5.768	6.407	3.248	7.148	15.251	3.283	4.629	1.933	37.652
1,2,3,6,7,8-HxCDF	2.576 U	27.443	36.737 J	23.773	36.799	58.299	7.681	39.934	6.163	79.596
1,2,3,7,8,9-HxCDD	0.337 J	5.217	5.121 K	2.71	2.839 K	11.692	3.821	3.084 J	1.074	32.384
1,2,3,7,8,9-HxCDF	2.576 U	25.236	2.654 UJ	4.957 K	32.434 K	4.053 U	0.577 J	3.76 J	3.267 U	5.785
1,2,3,7,8-PeCDD	0.082 J	4.438 U	2.654 U	2.438 U	2.676 UJ	4.053 U	1.182 J	1.248 J	3.267 U	8.403
1,2,3,7,8-PeCDF	0.11 J	65.723 J	74.509	52.836	66.631 J	111.402	4.795	71.802	14.465	138.19
2,3,4,6,7,8-HxCDF	2.576 U	10.889	16.849 J	12.99	20.262 K	25.944	6.284	18.468	2.6	35.81
2,3,4,7,8-PeCDF	0.068 J	15.278 J	17.567	15.969	15.016 J	33.539	5.398	26.779	4.072	55.604
2,3,7,8-TCDD	1.03 U	6.982	8.595	5.677	22.716	21.688	0.523 J	117.496	2.767	7.445
2,3,7,8-TCDF	1.03 U	43.459	56.272	53.675	116.863	117.054	4.224	241.803	23.645	84.091
OCDD	103.918	2133.462 J	2600.461 J	1302.036 J	2468.446	5665.847 J	934.052	1755.3	569.321	6927.513 J
OCDF	7.698	10443.974 J	35610.431 J	28135.119 J	81860.404 J	41678.064 J	265.079	10097.861	467.604	1790.813 J
Metals (mg/kg)										
Arsenic	5.85	6.36	3.68	1.78	3.72	4.95	3.03	5.62	3.97	5.57
Barium	118	337	176	110	326	293	147	472	285	270
Cadmium	0.291	0.903	0.807	0.313	0.519	1.03	0.181	1.32	0.714	1.46
Chromium	28.8 J	66.5	88.7	29.7	97.8 J	162 J	30 J	482 J	142 J	253
Copper	29.5 J	67.8 J	52.5 J	46.2 J	50.1	70.4	15.5	120	84.6	81.1 J
Iron	--	--	--	--	--	--	--	--	--	--
Lead	16.3 J	66.7	54.1	25	100	98.7	35.8	296	119	118
Mercury	0.734	5.63	3.57	1.79	14.4	7.46	0.33	162	2.52	7.4
Nickel	14.6	28.1	34.9	11.9	34.8	35.7	15.3	103	54.6	34.2
Selenium	0.9 U	1.2	1.4	0.9 U	1.1	1.9	0.9 U	0.8 U	1.2	1.6
Silver	0.101	0.857	0.718	0.149	0.34	0.814	0.057	0.47	0.451	1.58
Zinc	165	446	288	146	232	417	55.1	496	424	609
PAHs (µg/kg)										
2-Methylnaphthalene	17	130	82	110	600	190	25	6300	110	29
Acenaphthene	32	370	280	340	1500	470	66	6300	73	55
Acenaphthylene	11	580	560	630	2900	990	750	2000	200	69
Anthracene	43	230	160	190	1600	440	1000	3600	360	77
Benzo(a)anthracene	170	380	160	180	690	300	760	970	600	230
Benzo(a)pyrene	170	550	230	340	1400	400	500	710	580	230
Benzo(b)fluoranthene	230	520	180	220	590	290	370	300	610	270

Task:	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS
Location ID:	EF-001	PB-003	PB-009	PB-016	PB-018	PB-022	PB-030	PB-036	PB-042	PB-048
Y Coord:	13831246.94	13836154.41	13836186.47	13836105.37	13835866.87	13835492.52	13834704.4	13834129.85	13833564.42	13832966.96
X Coord:	3201632.958	3202134.797	3201846.046	3201172.392	3201082.264	3201095.007	3201358.784	3201370.125	3201345.24	3201486.842
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm
Sample ID:	EF001-1SC011-N	PB003-1SC011-N	PB009-1SC011-N	PB016-1SC011-N	PB018-1SC011-N	PB022-1SC011-N	PB030-1SC011-N	PB036-1SC011-N	PB042-1SC011-N	PB048-1SC011-N
Sample Date:	10/5/06	10/2/06	10/2/06	10/3/06	10/3/06	10/3/06	10/4/06	10/4/06	10/4/06	10/4/06
Sample Type:	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	150	480	180	280	1000	320	370	460	450	210
Benzo(g,h,i)perylene	130	780	350	720	3500	680	240	970	400	210
Benzo(k)fluoranthene	150	410	130	170	420	200	210	210	430	190
C1-Chrysenes	240	310	130	160	590	250	1200	810	430	220
C1-Fluoranthene/Pyrene	230	670	390	500	3300	830	3200	3900	1100	410
C1-Fluorenes	33	240	170	250	2100	500	2200	6100	740	140
C1-Phenanthrenes/Anthracenes	74	460	230	350	3000	750	2700	6500	1300	410
C2-Chrysenes	110	180	71	90	260	150	1200	310	210	150
C2-Fluorenes	51	210	130	130	1500	390	1300	2400	900	320
C2-Naphthalenes	27	380	250	260	1900	670	1300	6700	730	330
C2-Phenanthrenes/Anthracenes	100	270	120	130	880	390	2100	2300	1100	420
C3-Chrysenes	37	98	42	53	130	85	850	120 U	91 U	73
C3-Fluorenes	93	250	110	100	890	360	1700	2200	1200	590
C3-Naphthalenes	91	810	390	470	9000	1600	6300	19000 J	2500	790
C3-Phenanthrenes/Anthracenes	94	260	100	97	610	340	2000	1400	810	490
C4-Chrysenes	7.6 U	64 U	39	45	79 U	84	640	120 U	91 U	29
C4-Naphthalenes	55	280	130	110	1600	400	1900	3600	1200	690
C4-Phenanthrenes/Anthracenes	63	180	79	79	440	210	1300	640	390	440
Chrysene	240	620	210	250	810	390	870	900	750	320
Dibenzo(a,h)anthracene	29	69	20	24	40	39	59	30	87	39
Fluoranthene	500	1700	1200	1900	8000	2000	1400	4400	1300	520
Fluorene	26	280	210	320	1300	560	59	6800	140	46
Indeno(1,2,3-cd)pyrene	130	480	200	330	1300	350	200	390	410	180
Naphthalene	11	180	150	250	1300	290	27	37000	120	20
Perylene	83	130	49	68	200	76	100	83	130	58
Phenanthrene	170	1100	850	1300	4900	1700	500	16000	500	190
Pyrene	460	2800	2200	3100	18000	3800	2800	10000	1700	690
Total HPAH 16 standard (U=1/2; max ND)	2209	8309	4880	7234	34750	8449	7409	18880	6867	2879
Total LPAH 16 standard (U=1/2; max ND)	293	2740	2210	3030	13500	4450	2402	71700	1393	457
Total PAH 16 standard (U=1/2; max ND)	2502	11049	7090	10264	48250	12899	9811	90580	8260	3336
PCB Congeners (ng/kg)										
PCB-077	2579.61	10542.54	6626.31	5768.69	54823.83	13208.76	2391.14	30051.68	11242.6	14911.3
PCB-081	89.242 U	884.65	446.5	186.76	149.37 U	350.93	280.67	2989.26	173.41 U	1146.42
PCB-105	7808.29	24382.98	13163.21	23151.8	81623.65	38591.41	10187.69	103840.14	69.367 U	50563.23
PCB-114	89.242 U	227.14 U	297.2	1087.99	4014.89	185.94 U	621.85	6896.56	1602.31	2472.48
PCB-118	16181.95	62534.88	31979.65	48196.02	199201.33	80278.07	17558.23	148432.95	57125.27	96655.67
PCB-123	89.242 U	227.14 U	149.07 U	107.41 U	36135.48	185.94 U	103.34 U	168.31 U	173.41 U	256.77 U
PCB-126	131.53	393.96	323.76	107.41 U	149.37 U	576.47	136.03	439.66 J	527.55	762.34
PCB-156/157	891.1	3557.96	3564.11	10982.94	9338.45	7697.93	1328.22	17460.02	5718.79	7703.14
PCB-167	235.86	1384.03	1268.06	2986.88	3764.85	2673.54	403.5	5462.6	1966.94	256.77 U
PCB-169	89.242 U	227.14 U	149.07 U	140.59	149.37 U	64.78	103.34 U	168.31 U	173.41 U	256.77 U

Task:	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS
Location ID:	EF-001	PB-003	PB-009	PB-016	PB-018	PB-022	PB-030	PB-036	PB-042	PB-048
Y Coord:	13831246.94	13836154.41	13836186.47	13836105.37	13835866.87	13835492.52	13834704.4	13834129.85	13833564.42	13832966.96
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Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm
Sample ID:	EF001-1SC011-N	PB003-1SC011-N	PB009-1SC011-N	PB016-1SC011-N	PB018-1SC011-N	PB022-1SC011-N	PB030-1SC011-N	PB036-1SC011-N	PB042-1SC011-N	PB048-1SC011-N
Sample Date:	10/5/06	10/2/06	10/2/06	10/3/06	10/3/06	10/3/06	10/4/06	10/4/06	10/4/06	10/4/06
Sample Type:	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	**58.14**	**254.75**	**241.84**	**1787.42**	**1035.4**	**609.67**	**50.34**	**975.27**	**433.51**	**483.22**
Total PCB Congeners (U=1/2; max ND)	**506830.145**	**2711547.824**	**1997331.959**	**2859380.634**	**11526730.47**	**4767825.354**	**654014.6585**	**10005486.04**	**2929074.979**	**3463724.926**
PCBs Aroclors (µg/kg)										
Aroclor 1248	**340**	**1600**	**2300**	**1600**	**14000 J**	**2200**	**340**	**4300**	**8500**	**2500**
Aroclor 1254	160 U	**990**	**1200**	**850**	10000 UJ	**1200**	**200**	230 U	**3800**	**1800**
Aroclor 1260	160 U	130 U	1000 U	200 U	10000 UJ	200 U	200 U	230 U	360 U	**820**
Total PCB (U=1/2; max ND)	**1055**	**5120**	**9450**	**5305**	**59000**	**6740**	**1335**	**11860**	**13740**	**5955**
Pesticides (µg/kg)										
4,4'-DDD	760 U	**20 J**	50 U	20 U	100 U	98 U	98 U	120 U	1800 U	1200 U
4,4'-DDE	760 U	**41 J**	50 U	20 U	100 U	98 U	98 U	120 U	1800 U	1200 U
4,4'-DDT	760 U	**27**	**60**	**38**	**110**	**55 J**	**12 J**	**110 J**	**250 J**	**93 J**
Aldrin	760 U	13 U	**50 J**	20 U	140 U	98 UJ	98 UJ	120 UJ	1800 U	1200 U
alpha-Chlordane	760 U	13 U	50 U	**17 J**	**87 J**	98 U	98 U	120 U	1800 U	1200 U
Endosulfan I	760 U	13 U	50 U	20 U	100 U	98 U	98 U	**32 J**	1800 U	1200 U
Endosulfan II	760 U	17 U	50 U	26 U	**100**	98 U	98 U	120 U	1800 U	1200 U
Endrin	760 U	13 U	64 U	**14 J**	100 U	98 U	98 U	120 U	1800 U	1200 U
gamma-BHC (Lindane)	760 U	13 U	50 U	20 U	**160**	98 U	98 U	120 U	1800 U	1200 U
gamma-Chlordane	760 U	**30**	**41 J**	**33**	170 U	**43 J**	98 U	**89 J**	1800 U	1200 U
Heptachlor Epoxide	760 U	**19 J**	**46 J**	**28**	100 U	**43 J**	98 UJ	120 UJ	1800 U	1200 U
Methoxychlor	760 U	13 U	50 U	20 U	100 U	98 UJ	98 UJ	**25 J**	1800 U	1200 U
Sum DDD (U=1/2; max ND)	760 U	**32.5**	50 U	20 U	250 U	98 U	98 U	120 U	1800 U	1200 U
Sum DDE (U=1/2; max ND)	760 U	**54 J**	50 U	52 U	230 U	98 U	98 U	120 U	1800 U	1200 U
Sum DDT (U=1/2; max ND)	760 U	**83**	**125**	**89**	**380**	**131 J**	**61**	**270 J**	**1150**	**693**
Total Chlordane (alpha and gamma) (U=1/2; max ND)	760 U	**36.5**	**66**	**50**	**172**	**92**	98 U	**149**	1800 U	1200 U
Total DDT (U=1/2; max ND)	760 U	**169.5**	**225**	**145**	**720**	**327**	**257**	**510**	**4750**	**3093**
SVOCs (µg/kg)										
2,4-Dinitrotoluene	--	--	--	--	--	--	--	--	--	--
2,6-Dinitrotoluene	150 U	130 U	99 U	100 U	500 U	200 U	99 U	570 U	90 U	120 U
2-Chloronaphthalene	--	--	--	--	--	--	--	--	--	--
4-Bromophenyl-phenylether	150 U	130 U	99 U	100 U	500 U	200 U	99 U	570 U	90 U	120 U
4-Chlorophenyl-phenylether	150 U	130 U	99 U	100 U	500 U	200 U	99 U	570 U	90 U	120 U
Azobenzene	--	--	--	--	--	--	--	--	--	--
Benzidine	3000 U	2500 U	2000 U	2000 U	9900 U	3900 U	2000 U	11000 U	1800 U	2400 U
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	--	--	--
bis(2-Chloroisopropyl)ether	150 U	130 UJ	99 UJ	100 UJ	500 UJ	200 UJ	99 U	570 U	90 U	120 U
bis(2-Ethylhexyl)phthalate	3000 U	**820 J**	**630 J**	**490 J**	**1400 J**	**1200 J**	2000 U	12000 U	**920 J**	**3500**
Butylbenzylphthalate	--	--	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	--	--	--	--	--	--
Dimethylphthalate	150 U	130 U	99 U	100 U	500 U	200 U	99 U	570 U	90 U	120 U
Di-n-butylphthalate	--	--	--	--	--	--	--	--	--	--

Task:	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS	RI/FS
Location ID:	EF-001	PB-003	PB-009	PB-016	PB-018	PB-022	PB-030	PB-036	PB-042	PB-048
Y Coord:	13831246.94	13836154.41	13836186.47	13836105.37	13835866.87	13835492.52	13834704.4	13834129.85	13833564.42	13832966.96
X Coord:	3201632.958	3202134.797	3201846.046	3201172.392	3201082.264	3201095.007	3201358.784	3201370.125	3201345.24	3201486.842
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 11 cm
Sample ID:	EF001-1SC011-N	PB003-1SC011-N	PB009-1SC011-N	PB016-1SC011-N	PB018-1SC011-N	PB022-1SC011-N	PB030-1SC011-N	PB036-1SC011-N	PB042-1SC011-N	PB048-1SC011-N
Sample Date:	10/5/06	10/2/06	10/2/06	10/3/06	10/3/06	10/3/06	10/4/06	10/4/06	10/4/06	10/4/06
Sample Type:	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	--	--	--	--	--	--	--	--	--	--
Hexachlorobenzene	150 U	**1600**	**3300**	**30000**	**18000**	**1300**	99 U	**320 J**	**300**	**66 J**
Hexachlorobutadiene	36 U	**6200**	**15000**	**7000**	**17000**	**7300**	29 U	**3200**	**370**	**250 J**
Hexachloroethane	150 U	**1000 J**	**3900 J**	**1400 J**	**780 J**	**1500 J**	99 UJ	**930 J**	**93 J**	**84 J**
VOCs (µg/kg)										
1,1,1-Trichloroethane	8.8 U	16 U	9.3 U	7.2 U	77 U	33 U	7.1 U	230 U	10 U	56 U
1,1,2,2-Tetrachloroethane	8.8 U	16 U	9.3 U	7.2 U	77 U	33 U	7.1 U	230 U	10 UJ	56 U
1,2-Dichlorobenzene	8.8 U	16 U	9.3 U	7.2 U	77 U	33 U	7.1 U	**40 J**	10 UJ	56 U
1,3-Dichlorobenzene	8.8 U	**65**	**160**	**40**	**700**	**540**	**5.1 J**	**710**	**31 J**	**74**
1,4-Dichlorobenzene	8.8 U	**96**	**110**	**53**	**460**	**180**	7.1 U	**230 J**	10 UJ	56 U
2-Butanone (MEK)	**5.2 J**	**16 J**	37 UJ	29 UJ	3100 UJ	130 UJ	29 UJ	8900 UJ	40 UJ	**32 J**
4-Isopropyltoluene	36 U	**2.8 J**	37 U	29 U	310 U	130 U	29 U	**410 J**	40 UJ	**24 J**
Acrylonitrile	--	--	--	--	--	--	--	--	--	--
Benzene	8.8 U	**6.1 J**	9.3 U	7.2 U	77 U	33 U	**0.89 J**	**310**	**5.3 J**	56 U
Carbon disulfide	**1.4 J**	**6.8 J**	**5.1 J**	**1 J**	77 U	**9.6 J**	**3.8 J**	230 U	**2.8 J**	**29 J**
Chlorobenzene	**0.86 J**	**390**	**22**	**0.93 J**	**380**	**1000**	7.1 U	**75 J**	**2.2 J**	56 U
Ethylbenzene	8.8 U	**2.7 J**	**1.1 J**	7.2 U	77 U	**21 J**	**13**	**2600**	**19**	**35 J**
Isopropylbenzene	**2.3 J**	**31 J**	**6.1 J**	**0.88 J**	**98 J**	**250**	**450**	**85000**	**290**	**2400**
n-Butylbenzene	36 U	64 U	37 U	29 U	310 U	130 U	**3.9 J**	**1400**	40 UJ	230 U
n-Propylbenzene	36 U	**1.3 J**	37 U	29 U	310 U	**6.9 J**	**7.8 J**	**1100**	**15 J**	**58 J**
sec-Butylbenzene	36 U	**1.2 J**	37 U	29 U	310 U	130 U	**4.4 J**	**690 J**	40 UJ	**34 J**
tert-Butylbenzene	36 U	**0.83 J**	37 U	29 U	310 U	**19 J**	**25 J**	**3000**	**21 J**	**45 J**
Toluene	**0.6 J**	**7.1 J**	**1.1 J**	7.2 U	77 U	**4.4 J**	7.1 U	**1100**	10 U	56 U
Total xylene	--	--	--	--	--	--	--	--	--	--

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	RI/FS	RI/FS	RI/FS	RI/FS	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	PB-057	PB-063	PB-073	PB-077	2.5	2.5	3	3	3	5	5	7
Y Coord:	13832096.91	13831339.74	13830742.28	13830380.11	13836160.5	13836160.5	13834261.95	13834261.95	13834261.95	13833002.16	13833002.16	13828220.99
X Coord:	3201467.145	3201536.273	3201037.34	3200738.387	3201710.465	3201710.465	3201381.078	3201381.078	3201381.078	3201336.87	3201336.87	3201270.954
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 7 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	PB057-1SC011-N	PB063-1SC011-N	PB073-1SC011-N	PB077-1SS007-N	2.5-9/5/2000	2.5-4/23/2001	3-9/6/2000	3-4/24/2001	3-8/12/2003	5-9/5/2000	5-4/24/2001	7-9/6/2000
Sample Date:	10/5/06	10/5/06	10/5/06	10/5/06	9/5/00	4/23/01	9/6/00	4/24/01	8/12/03	9/5/00	4/24/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)												
Ammonia	--	--	--	--	--	--	--	--	--	--	--	--
Diox/Fur (ng/kg)												
1,2,3,4,6,7,8-HpCDD	653.448	61.854	108.056	2.54 U	249	124 J	601	720 J	--	451	1891 J	214
1,2,3,4,6,7,8-HpCDF	149.904	3.999	21.825	2.54 U	1239	468	1300	920 J	--	364	1311 J	119
1,2,3,4,7,8,9-HpCDF	15.786	2.735 U	2.714	2.54 U	136	61.6	175	305 J	--	69.9	142 J	16.8
1,2,3,4,7,8-HxCDD	6.099	0.37 J	0.736 J	2.54 U	0.48 U	3.26	8.43	8.21	--	9.28	49.8	2.82
1,2,3,4,7,8-HxCDF	44.562	0.362 J	8.335	2.54 U	262	127	541	762 J	--	263	666	10.6
1,2,3,6,7,8-HxCDD	26.301	1.828 J	3.039	2.54 U	9.58	9.86	27.5	29.3	--	23.2	166	12.2
1,2,3,6,7,8-HxCDF	15.677	0.268 J	2.847	2.54 U	83.5	46.4	163	194 J	--	87.8	261 J	3.82
1,2,3,7,8,9-HxCDD	14.396	1.821 J	2.308 J	2.54 U	7.59	9.91	20.9	14.6	--	22	82.4	5.75
1,2,3,7,8,9-HxCDF	0.968 J	2.735 U	1.432 J	2.54 U	9.64	11.3	13.8	14.7 J	--	7.83	8.23	0.517
1,2,3,7,8-PeCDD	2.758 J	0.302 J	0.663 J	2.54 U	1.05 U	0.71 U	3.76 U	11.3 U	--	4.48	42.1	0.958
1,2,3,7,8-PeCDF	18.393	2.735 U	2.872 J	2.54 U	140	104	345	204	--	162	210	1.76
2,3,4,6,7,8-HxCDF	7.014	0.171 J	2.513	2.54 U	14.9	11.8	30.6	32.5	--	19.5	82.6	1.67 U
2,3,4,7,8-PeCDF	21.588	0.147 J	5.242 J	2.54 U	45.7	42.7	133	128	--	81.6	171	1 U
2,3,7,8-TCDD	2.683	0.065 J	0.436 J	1.016 U	13.9	12.5	77.5	1016	--	14.7	14.9	0.48 U
2,3,7,8-TCDF	28.92	1.094 UC	7.925	1.016 U	91.9	59.4	328	1374	--	102	115	1.54
OCDD	4832.159 J	384.597 J	887.17 J	5.08 U	2794	2272	6868	13332	--	4775	19699	2244
OCDF	579.349	16.37 J	62.947	5.08 U	28109	16498	25271	29893	--	2368	3776	835
Metals (mg/kg)												
Arsenic	4.12	3.32	9.88	1.56	2.85	9.64	3.53	10.6	2.98	3.09	12.3	29.6
Barium	885	77.2	634	125	280	270	326	826	137	414	484	386
Cadmium	0.525	0.243	0.319	0.226 U	0.365	0.386	0.38	1.62	0.452	0.704	1.26	0.548
Chromium	53.9 J	44.7 J	22.1	9.08	47.5	43.8	111	440	53.7	137	359	42.1
Copper	36.7 J	28.5 J	89.2 J	5.14 J	40.9	42	51.7	170	34.6	66.6	99.5	72.7
Iron	--	--	--	--	10800	12600	11100	14400	7220	13500	19400	28900
Lead	50.4 J	13.3 J	32.2	11.2	30 J	34.8	67.7 J	308	43.4	39.5 J	125	523 J
Mercury	1.33	0.162 J	0.571 J	0.017 J	2.91	2.35	16.7	160	9.02	4.55	8.24	0.103
Nickel	19.8	10.9	17	8.44	21.8	21.2	31	103	15.6	28.9	60.8	26.8
Selenium	0.8 U	0.9 U	0.9 U	0.9 U	0.905	0.85	0.731	0.652	0.603	1.16	1.68	0.574
Silver	0.485	0.095	0.083	0.041 U	0.452	0.468	0.41	0.627	0.148	1.1	1.05	0.632
Zinc	369	131	1030	16.5	161	159	239	471	150 J	365	710	503
PAHs (µg/kg)												
2-Methylnaphthalene	5200	35	42	0.63 J	301	464 J	1220	4770	229.8	213	5000	377 U
Acenaphthene	7500	140	510	2.5 U	945	1350 J	1680	25900 J	527.6	164	2770 J	123
Acenaphthylene	790	20	450	2.5 U	1730	2900 J	4360	16100	2103	963	6160	272
Anthracene	2600	130	470	2.5 U	598	1200 J	2670	22500 J	611.9	400	5640 J	296
Benzo(a)anthracene	1400	680	640	0.44 J	538	752	1160	6790	665.1	726	2730	1080
Benzo(a)pyrene	1400	530	540	0.43 J	1720	1420	1410	5030	725.2	351 U	2990	1320
Benzo(b)fluoranthene	1100	780	580	2.5 U	1250	823 J	1020	2230	604.4	1030	2040	1660

Task:	RI/FS	RI/FS	RI/FS	RI/FS	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	PB-057	PB-063	PB-073	PB-077	2.5	2.5	3	3	3	5	5	7
Y Coord:	13832096.91	13831339.74	13830742.28	13830380.11	13836160.5	13836160.5	13834261.95	13834261.95	13834261.95	13833002.16	13833002.16	13828220.99
X Coord:	3201467.145	3201536.273	3201037.34	3200738.387	3201710.465	3201710.465	3201381.078	3201381.078	3201381.078	3201336.87	3201336.87	3201270.954
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 7 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	PB057-1SC011-N	PB063-1SC011-N	PB073-1SC011-N	PB077-1SS007-N	2.5-9/5/2000	2.5-4/23/2001	3-9/6/2000	3-4/24/2001	3-8/12/2003	5-9/5/2000	5-4/24/2001	7-9/6/2000
Sample Date:	10/5/06	10/5/06	10/5/06	10/5/06	9/5/00	4/23/01	9/6/00	4/24/01	8/12/03	9/5/00	4/24/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	1000	490	420	0.68 J	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	930	320	330	0.5 J	3650	2600 J	1590	13100 J	717.7	697	4000 J	715
Benzo(k)fluoranthene	880	600	450	2.5 U	996	582	1110	2260	303.3 J	894	1810	1400
C1-Chrysenes	1500	300	390	6.8 U	--	--	--	--	--	--	--	--
C1-Fluoranthene/Pyrene	4000	690	1000	6.8 U	--	--	--	--	--	--	--	--
C1-Fluorenes	5300	28	670	6.8 U	--	--	--	--	--	--	--	--
C1-Phenanthrenes/Anthracenes	5300	160	830	6.8 U	--	--	--	--	--	--	--	--
C2-Chrysenes	670	110	190	6.8 U	--	--	--	--	--	--	--	--
C2-Fluorenes	2000	14 U	310	6.8 U	--	--	--	--	--	--	--	--
C2-Naphthalenes	5700	68	680	6.8 U	--	--	--	--	--	--	--	--
C2-Phenanthrenes/Anthracenes	2100	120	630	6.8 U	--	--	--	--	--	--	--	--
C3-Chrysenes	220	35	67	6.8 U	--	--	--	--	--	--	--	--
C3-Fluorenes	2700	77	530	6.8 U	--	--	--	--	--	--	--	--
C3-Naphthalenes	13000 J	83	1300	6.8 U	--	--	--	--	--	--	--	--
C3-Phenanthrenes/Anthracenes	1500	100	590	6.8 U	--	--	--	--	--	--	--	--
C4-Chrysenes	240	14 U	60 U	6.8 U	--	--	--	--	--	--	--	--
C4-Naphthalenes	2200	34	250	6.8 U	--	--	--	--	--	--	--	--
C4-Phenanthrenes/Anthracenes	1500	73	340	6.8 U	--	--	--	--	--	--	--	--
Chrysene	1800	1200	830	0.8 J	1060	1320	1640	7960	794.8	1190	3980	1990
Dibenzo(a,h)anthracene	180	71	81	2.5 U	100	234 J	141	723 J	359.4	158	713 J	169
Fluoranthene	3600	1700	1800	0.9 J	4760	7010 J	4720	125 J	2587	1670	5290 J	2930
Fluorene	3700	62	320	0.3 J	729	2070 J	2100	32700 J	695	311	7630 J	246
Indeno(1,2,3-cd)pyrene	860	350	380	0.41 J	--	--	--	--	--	--	--	--
Naphthalene	2600	17	48	2 J	652	924 J	1810	23500	328.1	254	2510	108
Perylene	260	160	140	8.1	--	--	--	--	--	--	--	--
Phenanthrene	9000	570	1300	1.4 J	3250	8650 J	8240	71500 J	2035	1010	15300 J	1790
Pyrene	5700	1500	1900	1.1 J	8880	11400 J	8440	265 J	5178	1870	14700 J	2390
Total HPAH 16 standard (U=1/2; max ND)	17850	7731	7531	8.33	22954	26141	21231	38483	11934.9	8410.5	38253	13654
Total LPAH 16 standard (U=1/2; max ND)	26190	939	3098	7.45	7904	17094 J	20860	192200	6300.6	3102	40010	2835
Total PAH 16 standard (U=1/2; max ND)	44040	8670	10629	15.78	30858	43235	42091	230683	18235.5	11512.5	78263	16489
PCB Congeners (ng/kg)												
PCB-077	28478.03	1252.6	57692.77 J	13.84	--	--	--	--	--	--	--	--
PCB-081	123.11 U	92.117 U	4253.26 J	126.49 U	--	--	--	--	--	--	--	--
PCB-105	85126.32	4127.56	186556.15 J	44.65	--	--	--	--	--	--	--	--
PCB-114	4797.65	247.33	12909.43 J	126.49 U	--	--	--	--	--	--	--	--
PCB-118	133113.47	7017.54	276798.35 J	69.74	--	--	--	--	--	--	--	--
PCB-123	123.11 U	92.117 U	249.67 UJ	126.49 U	--	--	--	--	--	--	--	--
PCB-126	844.79	54.82	1941.04 J	126.49 U	--	--	--	--	--	--	--	--
PCB-156/157	8279.96	436.11	19109.26 J	9.3	--	--	--	--	--	--	--	--
PCB-167	2349.14	141.09	5584.63 J	126.49 U	--	--	--	--	--	--	--	--
PCB-169	123.11 U	92.117 U	101.26 J	126.49 U	--	--	--	--	--	--	--	--

Task:	RI/FS	RI/FS	RI/FS	RI/FS	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	PB-057	PB-063	PB-073	PB-077	2.5	2.5	3	3	3	5	5	7
Y Coord:	13832096.91	13831339.74	13830742.28	13830380.11	13836160.5	13836160.5	13834261.95	13834261.95	13834261.95	13833002.16	13833002.16	13828220.99
X Coord:	3201467.145	3201536.273	3201037.34	3200738.387	3201710.465	3201710.465	3201381.078	3201381.078	3201381.078	3201336.87	3201336.87	3201270.954
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 7 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	PB057-1SC011-N	PB063-1SC011-N	PB073-1SC011-N	PB077-1SS007-N	2.5-9/5/2000	2.5-4/23/2001	3-9/6/2000	3-4/24/2001	3-8/12/2003	5-9/5/2000	5-4/24/2001	7-9/6/2000
Sample Date:	10/5/06	10/5/06	10/5/06	10/5/06	9/5/00	4/23/01	9/6/00	4/24/01	8/12/03	9/5/00	4/24/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	**285.73**	**17.08**	**458.67 J**	126.49 U	--	--	--	--	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	**5486770.324**	**226444.712**	**10153420.53**	**10883.096**	--	--	--	--	--	--	--	--
PCBs Aroclors (µg/kg)												
Aroclor 1248	**25000**	**420**	**5900 J**	140 U	**328**	**525**	**1080**	**6720**	--	**780**	**1910**	**62.8**
Aroclor 1254	8600 U	140 U	6000 U	140 U	--	--	--	--	--	--	--	--
Aroclor 1260	8600 U	140 U	6000 U	140 U	--	--	--	--	--	--	--	--
Total PCB (U=1/2; max ND)	**64100**	**1045**	**32900**	280 U	**328**	**525**	**1080**	**6720**	--	**780**	**1910**	**62.8**
Pesticides (µg/kg)												
4,4'-DDD	860 U	660 U	600 U	680 U	41 U	40 U	40 UJ	**4.28**	--	35 U	**2.47 J**	38 U
4,4'-DDE	860 U	660 U	600 U	680 U	**6.39**	**136**	**8.45 J**	40 U	--	**6.72**	**4.76 J**	**9.45**
4,4'-DDT	860 U	660 U	600 U	680 U	41 U	**0.263**	40 UJ	**9.74**	--	35 U	**1.71**	**79.4**
Aldrin	860 U	660 U	600 U	680 U	--	--	--	--	--	--	--	--
alpha-Chlordane	860 U	660 U	600 U	680 U	41 U	**0.945**	40 UJ	**1.59**	--	35 U	**0.389 J**	38 U
Endosulfan I	860 U	660 U	600 U	680 U	--	--	--	--	--	--	--	--
Endosulfan II	860 U	660 U	600 U	680 U	--	--	--	--	--	--	--	--
Endrin	860 U	660 U	600 U	680 U	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	860 U	660 U	600 U	680 U	--	--	--	--	--	--	--	--
gamma-Chlordane	**380 J**	660 U	**84 J**	680 U	41 U	**0.406**	40 UJ	**1.79**	--	35 U	**0.255 J**	38 U
Heptachlor Epoxide	860 U	660 U	600 U	680 U	41 U	**0.41**	40 UJ	**0.338**	--	35 U	**0.307 J**	38 U
Methoxychlor	860 U	**120 J**	600 U	680 U	--	--	--	--	--	--	--	--
Sum DDD (U=1/2; max ND)	860 U	660 U	600 U	680 U	41 U	40 U	40 U	**4.28**	--	35 U	**2.47 J**	38 U
Sum DDE (U=1/2; max ND)	860 U	660 U	600 U	680 U	**6.39**	**136**	**8.45 J**	40 U	--	**6.72**	**4.76 J**	**9.45**
Sum DDT (U=1/2; max ND)	860 U	660 U	600 U	680 U	41 U	**0.263**	40 U	**9.74**	--	35 U	**1.71**	**79.4**
Total Chlordane (alpha and gamma) (U=1/2; max ND)	**810**	660 U	**384**	680 U	41 U	**1.351**	40 U	**3.38**	--	35 U	**0.644 J**	38 U
Total DDT (U=1/2; max ND)	860 U	660 U	600 U	680 U	**47.39**	**156.263**	**48.45**	**34.02**	--	**41.72**	**8.94**	**107.85**
SVOCs (µg/kg)												
2,4-Dinitrotoluene	--	--	--	--	660 U	400 U	400 U	**824**	25.2 U	351 U	**261**	377 U
2,6-Dinitrotoluene	180 U	100 U	100 U	100 U	660 U	**316 J**	**169**	**267**	26.5 U	351 U	**256**	377 U
2-Chloronaphthalene	--	--	--	--	660 U	**2.04 J**	400 U	**69.7**	14.4 U	351 U	**53.7**	377 U
4-Bromophenyl-phenylether	180 U	100 U	100 U	100 U	408 U	**36.7 J**	400 U	**408**	19.3 U	351 U	400 U	377 U
4-Chlorophenyl-phenylether	180 U	100 U	100 U	100 U	408 U	**3.92 J**	400 U	**416**	28 U	351 U	**92.3**	377 U
Azobenzene	--	--	--	--	408 U	400 UJ	400 U	**302**	--	351 U	400 U	377 U
Benzidine	3400 U	2000 U	2000 U	2000 U	408 U	400 UJ	400 U	**1040**	41.5 UJ	351 U	**870**	**484**
bis(2-Chloroethoxy)methane	--	--	--	--	408 U	400 UJ	400 U	**920**	39 U	351 U	**42.5**	377 U
bis(2-Chloroethyl)ether	--	--	--	--	408 U	**1.67 J**	400 U	**142**	37.3 U	351 U	**45.2**	**313**
bis(2-Chloroisopropyl)ether	180 U	100 U	100 U	100 U	660 U	**0.257 J**	**65.5**	**83.4**	16.3 U	**98.6**	**3320**	377 U
bis(2-Ethylhexyl)phthalate	**1900 J**	2000 U	**370 J**	2000 U	**1060 J**	**2800**	**1540**	**3940**	**1120**	**1700**	**7670**	**1580**
Butylbenzylphthalate	--	--	--	--	408 U	**157**	400 U	**643**	**93.5 J**	**69.5**	**162**	**202**
Diethylphthalate	--	--	--	--	408 U	**0.211 J**	400 U	**254**	23.3 U	**40.8**	**142**	**53.5**
Dimethylphthalate	180 U	100 U	100 U	100 U	408 U	**1.49 J**	400 U	**0.034**	21.9 U	351 U	**39.4**	377 U
Di-n-butylphthalate	--	--	--	--	**55.6**	**113**	400 U	**185 J**	**63.9 J**	351 U	**154 J**	377 U

Task:	RI/FS	RI/FS	RI/FS	RI/FS	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	PB-057	PB-063	PB-073	PB-077	2.5	2.5	3	3	3	5	5	7
Y Coord:	13832096.91	13831339.74	13830742.28	13830380.11	13836160.5	13836160.5	13834261.95	13834261.95	13834261.95	13833002.16	13833002.16	13828220.99
X Coord:	3201467.145	3201536.273	3201037.34	3200738.387	3201710.465	3201710.465	3201381.078	3201381.078	3201381.078	3201336.87	3201336.87	3201270.954
Depth:	0 - 11 cm	0 - 11 cm	0 - 11 cm	0 - 7 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	PB057-1SC011-N	PB063-1SC011-N	PB073-1SC011-N	PB077-1SS007-N	2.5-9/5/2000	2.5-4/23/2001	3-9/6/2000	3-4/24/2001	3-8/12/2003	5-9/5/2000	5-4/24/2001	7-9/6/2000
Sample Date:	10/5/06	10/5/06	10/5/06	10/5/06	9/5/00	4/23/01	9/6/00	4/24/01	8/12/03	9/5/00	4/24/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	--	--	--	--	660 U	**48.7**	400 U	**37.3 J**	19.6 U	**62.1**	**160**	**106**
Hexachlorobenzene	**88 J**	100 U	100 U	100 U	**16100**	**31500 J**	**2440**	**683 J**	**2104**	**232**	**2280 J**	377 U
Hexachlorobutadiene	**110 J**	29 U	26 U	100 UJ	**18000**	**27200 J**	**5580**	**459 J**	**7260**	**606**	**233 J**	377 U
Hexachloroethane	180 U	100 U	100 U	100 U	**3760 J**	**3630 J**	**560 J**	**4280**	**1329**	351 UJ	**737**	**121 J**
VOCs (µg/kg)												
1,1,1-Trichloroethane	190 U	7.1 U	6.4 U	--	8.1 U	7.9 U	10 U	100 U	2.68 U	12 U	92 U	14 U
1,1,2,2-Tetrachloroethane	190 U	7.1 U	6.4 U	--	8.1 U	7.9 U	10 U	100 U	2.39 U	12 U	92 U	14 U
1,2-Dichlorobenzene	190 U	7.1 U	6.4 U	--	408 U	7.9 U	400 U	**80.2**	17.9 U	351 U	**116**	377 U
1,3-Dichlorobenzene	190 U	7.1 U	6.4 U	--	**1990**	**3180**	**699**	**16100**	**978**	351 U	**41.2**	**69.1**
1,4-Dichlorobenzene	190 U	7.1 U	6.4 U	--	**786**	**1370**	**328**	**6610**	**419.6**	351 U	**34.8**	377 U
2-Butanone (MEK)	7600 UJ	29 UJ	26 UJ	--	161 U	159 U	201 U	2000 U	--	238 U	1800 U	286 U
4-Isopropyltoluene	**150 J**	29 U	**4.8 J**	--	8.1 U	7.9 U	10 U	**255**	--	12 U	92 U	14 U
Acrylonitrile	--	--	--	--	80.6 U	79.4 U	100 U	980 U	11.5 U	119 U	920 U	143 U
Benzene	**1400**	7.1 U	6.4 U	--	8.1 U	7.9 U	10 U	**129**	2.58 U	12 U	**1210**	14 U
Carbon disulfide	**71 J**	**1.8 J**	**4.9 J**	--	8.1 U	7.9 U	10 UJ	100 U	--	12 U	92 U	14 U
Chlorobenzene	190 U	**0.24 J**	6.4 U	--	8.1 U	7.9 U	10 U	**444**	2.52 U	12 U	92 U	14 U
Ethylbenzene	**1700**	7.1 U	**6.1 J**	--	8.1 U	7.9 U	**18 J**	**570**	2.4 U	12 U	**774**	14 U
Isopropylbenzene	**32000**	**1.9 J**	**230**	--	8.1 U	7.9 U	**134**	**23100**	--	12 U	**2680**	14 U
n-Butylbenzene	**300 J**	29 U	26 U	--	8.1 U	7.9 U	10 U	**699**	--	12 U	92 U	14 U
n-Propylbenzene	**460 J**	29 U	**5.6 J**	--	8.1 U	7.9 U	10 U	**470**	--	12 U	**1400**	14 U
sec-Butylbenzene	**320 J**	29 U	**3.6 J**	--	8.1 U	7.9 U	10 U	**383**	--	12 U	**89.7**	14 U
tert-Butylbenzene	**1200**	29 U	**8.2 J**	--	8.1 U	7.9 U	10 U	**1160**	--	12 U	92 U	14 U
Toluene	**190 J**	7.1 U	6.4 U	--	8.1 U	7.9 U	10 U	**190**	--	12 U	**265**	14 U
Total xylene	--	--	--	--	8.1 U	7.9 U	**11**	**907**	--	12 U	**1900**	14 U

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	7	7	4A	4A	4A	6A	6A	6A	E	E	G	G	Q
Y Coord:	13828220.99	13828220.99	13833153.34	13833153.34	13833153.34	13831418.4	13831418.4	13831418.4	13835606.46	13835606.46	13833445.18	13833445.18	13830421.8
X Coord:	3201270.954	3201270.954	3201713.102	3201713.102	3201713.102	3201362.078	3201362.078	3201362.078	3201181.635	3201181.635	3201385.555	3201385.555	3200799.782
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	7-4/26/2001	7-8/12/2003	4a-9/5/2000	4A-4/24/2001	4A-8/12/2003	6a-9/5/2000	6A-4/25/2001	6A-8/12/2003	E-9/6/2000	E-4/23/2001	G-9/6/2000	G-4/24/2001	Q-9/5/2000
Sample Date:	4/26/01	8/12/03	9/5/00	4/24/01	8/12/03	9/5/00	4/25/01	8/12/03	9/6/00	4/23/01	9/6/00	4/24/01	9/5/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)													
Ammonia	--	17.5	--	--	134	--	--	362	--	--	--	--	--
Diox/Fur (ng/kg)													
1,2,3,4,6,7,8-HpCDD	69.3 J	--	229	253 J	--	254	253 J	--	153	384 J	87.8	63.9 J	375
1,2,3,4,6,7,8-HpCDF	13.3 J	--	243	175 J	--	136	71.6	--	1312	535 J	462	284 J	146
1,2,3,4,7,8,9-HpCDF	1.57 UJ	--	43.8	30.5 J	--	16.1	7.28	--	126	77.4 J	182	87.2 J	17
1,2,3,4,7,8-HxCDD	0.69 U	--	4.73	5.57	--	2.91	3.28	--	1 U	8.62 J	3.48 U	1.67	6.1
1,2,3,4,7,8-HxCDF	6.6	--	151	115 J	--	43.7	22	--	243	282 J	898	496	27.8
1,2,3,6,7,8-HxCDD	3.26	--	10.1	13	--	12.2	9.34	--	7.25	15.2 J	2.95 U	1.98	14.4
1,2,3,6,7,8-HxCDF	2.4 J	--	45.2	38.8 J	--	18	8.91	--	81	90.9	227	129 J	10.6
1,2,3,7,8,9-HxCDD	2.23	--	10.5	14.2	--	8.86	7.84	--	6.45	13.3	3.07 U	0.53 U	18.9
1,2,3,7,8,9-HxCDF	0.79 U	--	6.05	5.41 J	--	1.02	0.42 U	--	7.89	9.15 J	28.1	8.42 J	1.16
1,2,3,7,8-PeCDD	1.41 U	--	2.32	2.3 U	--	1.29 U	0.98 U	--	0.86 U	3.39 J	0.83 U	0.73 U	2.44
1,2,3,7,8-PeCDF	2.79	--	90.3	63.3 J	--	11.9	4.48	--	131	206 J	560	314	4.5
2,3,4,6,7,8-HxCDF	0.74 U	--	11.1	9.88 J	--	5.33	3.29	--	15.1	13.5 J	32.8	15.7	6.72
2,3,4,7,8-PeCDF	1.65	--	34.8	29.2 J	--	14.4	8.06	--	42.9	74.4 J	156	92	9.06
2,3,7,8-TCDD	0.9 U	--	12.7	6.49 J	--	2.04	0.45 U	--	14.6	23	6.45	4.73	0.62 U
2,3,7,8-TCDF	2.63	--	75.6	36.8 J	--	21.8	5.47	--	89.6	109 J	150	74.5	10.1
OCDD	477	--	2463	3308	--	2672	2727	--	1666	4448	1130	1234	3669
OCDF	61.1	--	2421	1235	--	679	192	--	19695	15027	4925	7466	389
Metals (mg/kg)													
Arsenic	96.8	15.2	3.32	10	4.23	5.37	11.4	3.12	2.15	7.78	4.98	12.6	5.23
Barium	397	150	325	366 J	240	779	696	274	241	334	265	277	447
Cadmium	1.14	0.708	0.719	1.32	0.772	0.288	0.361	1.16	0.234	0.524	0.183	0.382	0.35
Chromium	268	10.2	123	82.1 J	91.6	63.7	56	77.6	55	56.1	46.3	54.4	40.9
Copper	301	96.1	65	57.5	48.2	24.3	34.8	71	29.9	55	65.3	79.1	25.6
Iron	45100	22700	14100	14900 J	10300	9860	12800	6500	7800	14400	27600	44600	11600
Lead	144	58.9	36 J	39.7	55.9	34.6 J	50.6	76.6	25	47.5	39.8 J	52	27.3
Mercury	0.0343	0.117	6.62	6.26	19.9	0.46	0.299	2.53	3.08	4.21	1.77	1.46	0.327
Nickel	19.7	9.6	30.3	31.5	26.5	21.1	20.2	15.7	15.8	30.1	56.8	61.7	17.5
Selenium	1.9	0.766	1.18	0.996	1.06 J	1.32	0.367 U	1.07 J	2.56	0.842	0.537	0.424	0.393
Silver	0.783	0.0745 U	1.57	1.17	0.574 J	0.173	0.373	1.53	0.29	0.652	0.24	0.247	0.507
Zinc	1850	481 J	311	303	305 J	249	294	353 J	120	257	277	400	304
PAHs (µg/kg)													
2-Methylnaphthalene	152	11 U	335	96.9	223.2 J	164	51.2 J	537.6	202	570 J	408 U	29.5	250
Acenaphthene	127 J	35.2 J	135	268 J	196.5	1160	93.2 J	857.7	472	1590	160	42.7 J	580
Acenaphthylene	150	26.35 J	493	525	774.7	3290	694 J	1246	1510	3050 J	408 U	88	2030
Anthracene	322 J	13 U	321	465 J	459.2	2510	342 J	773.5	427	1680 J	230	89.6 J	1490
Benzo(a)anthracene	1160	111.9	983	959	707.2	4400	391	480.7	400 U	1680	1070	739	1860
Benzo(a)pyrene	1320	112.8	385 U	1360	804.6	3750	720 U	355.8	660 U	2380	1170	793	1960
Benzo(b)fluoranthene	1490	259.4	1440	1580	944.5	3670	333 J	515.6	333	2410 J	1470	927	2210

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	7	7	4A	4A	4A	6A	6A	6A	E	E	G	G	Q
Y Coord:	13828220.99	13828220.99	13833153.34	13833153.34	13833153.34	13831418.4	13831418.4	13831418.4	13835606.46	13835606.46	13833445.18	13833445.18	13830421.8
X Coord:	3201270.954	3201270.954	3201713.102	3201713.102	3201713.102	3201362.078	3201362.078	3201362.078	3201181.635	3201181.635	3201385.555	3201385.555	3200799.782
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	7-4/26/2001	7-8/12/2003	4a-9/5/2000	4A-4/24/2001	4A-8/12/2003	6a-9/5/2000	6A-4/25/2001	6A-8/12/2003	E-9/6/2000	E-4/23/2001	G-9/6/2000	G-4/24/2001	Q-9/5/2000
Sample Date:	4/26/01	8/12/03	9/5/00	4/24/01	8/12/03	9/5/00	4/25/01	8/12/03	9/6/00	4/23/01	9/6/00	4/24/01	9/5/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1120 J	70.1	1110	966 J	1065	1640	143 J	205.2	656	1330 J	800	625	998
Benzo(k)fluoranthene	1430	91.4	1330	1420	413.6 J	3750	313	213.2 J	275	2160	1310	792	2230
C1-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-Fluoranthene/Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-Fluorenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Fluorenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Naphthalenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Fluorenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Naphthalenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C4-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C4-Naphthalenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C4-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	1960	140.3	1670	1870	740.7	5820	664 J	506	434 J	3090 J	1670	1290	3040
Dibenzo(a,h)anthracene	252	27.9 U	245	162	50.5 U	431	400 UJ	352.2	64.3	169 J	197	80.9	255
Fluoranthene	3540 J	294.3	2260	2680 J	2341	11400	1100 J	982.7	2130	7620 J	2720	2060	5040
Fluorene	168 J	12.8 U	214	298 J	162.5	559	61 J	576.8	560	1520 J	97.9	28.1	460
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	104 J	21.6 U	1050	84.2 J	79.6 J	284	167 J	2004	364	819 J	408 U	49.1 J	473
Perylene	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	2120 J	89.5	914	686 J	446.1	7410	365 J	1274	2170	4310 J	1240	553 J	3400
Pyrene	3560 J	231.2	2490	2810 J	5066	10000	1220 J	1631	4080	11300 J	2100	1580 J	4900
Total HPAH 16 standard (U=1/2; max ND)	15832	1325.35	11720.5	13807	12107.85	44861	4724	5242.4	8502.3	32139	12507	8886.9	22493
Total LPAH 16 standard (U=1/2; max ND)	2991	174.75	3127	2326.2	2118.6	15213	1722.2 J	6732	5503	12969	2135.9	850.5	8433
Total PAH 16 standard (U=1/2; max ND)	18823	1500.1	14847.5	16133.2	14226.45	60074	6446.2	11974.4	14005.3	45108	14642.9	9737.4	30926
PCB Congeners (ng/kg)													
PCB-077	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-081	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-123	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156/157	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-167	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169	--	--	--	--	--	--	--	--	--	--	--	--	--

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	7	7	4A	4A	4A	6A	6A	6A	E	E	G	G	Q
Y Coord:	13828220.99	13828220.99	13833153.34	13833153.34	13833153.34	13831418.4	13831418.4	13831418.4	13835606.46	13835606.46	13833445.18	13833445.18	13830421.8
X Coord:	3201270.954	3201270.954	3201713.102	3201713.102	3201713.102	3201362.078	3201362.078	3201362.078	3201181.635	3201181.635	3201385.555	3201385.555	3200799.782
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	7-4/26/2001	7-8/12/2003	4a-9/5/2000	4A-4/24/2001	4A-8/12/2003	6a-9/5/2000	6A-4/25/2001	6A-8/12/2003	E-9/6/2000	E-4/23/2001	G-9/6/2000	G-4/24/2001	Q-9/5/2000
Sample Date:	4/26/01	8/12/03	9/5/00	4/24/01	8/12/03	9/5/00	4/25/01	8/12/03	9/6/00	4/23/01	9/6/00	4/24/01	9/5/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	--	--	--	--	--	--	--	--	--	--	--	--	--
PCBs Aroclors (µg/kg)													
Aroclor 1248	**62.1**	--	**1690**	**398**	--	**9370**	**2060**	--	**370**	**1580**	**399**	**197**	**3780**
Aroclor 1254	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCB (U=1/2; max ND)	**62.1**	--	**1690**	**398**	--	**9370**	**2060**	--	**370**	**1580**	**399**	**197**	**3780**
Pesticides (µg/kg)													
4,4'-DDD	**0.701 J**	--	38 U	40 UJ	--	39 U	40 U	--	40 U	40 U	41 U	**0.14 J**	39 U
4,4'-DDE	**6.02 J**	--	**8.57**	**2.43 J**	--	**14.9**	40 U	--	**5.54**	**4.06**	**5.99**	**0.211 J**	**14.8**
4,4'-DDT	40 U	--	38 U	40 U	--	39 U	40 U	--	40 U	40 U	41 U	**0.095**	39 U
Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	**0.07 J**	--	38 U	40 UJ	--	**2.18**	40 U	--	40 U	40 U	41 U	**0.248 J**	**2.97**
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	**0.276 J**	--	38 U	40 UJ	--	39 U	**0.055**	--	40 U	40 U	41 U	**0.151 J**	39 U
Heptachlor Epoxide	40 UJ	--	38 U	40 UJ	--	39 U	40 U	--	40 U	40 U	41 U	**0.576 J**	39 U
Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--
Sum DDD (U=1/2; max ND)	**0.701 J**	--	38 U	40 U	--	39 U	40 U	--	40 U	40 U	41 U	**0.14 J**	39 U
Sum DDE (U=1/2; max ND)	**6.02 J**	--	**8.57**	**2.43 J**	--	**14.9**	40 U	--	**5.54**	**4.06**	**5.99**	**0.211 J**	**14.8**
Sum DDT (U=1/2; max ND)	40 U	--	38 U	40 U	--	39 U	40 U	--	40 U	40 U	41 U	**0.095**	39 U
Total Chlordane (alpha and gamma) (U=1/2; max ND)	**0.346 J**	--	38 U	40 U	--	**21.68**	**20.055**	--	40 U	40 U	41 U	**0.399 J**	**22.47**
Total DDT (U=1/2; max ND)	**26.721**	--	**46.57**	**42.43**	--	**53.9**	40 U	--	**45.54**	**44.06**	**46.99**	**0.446**	**53.8**
SVOCs (µg/kg)													
2,4-Dinitrotoluene	**62.4**	19.7 U	385 U	**204 J**	35.7 U	392 U	660 U	25.5 U	660 U	**2.13**	408 U	660 U	392 U
2,6-Dinitrotoluene	400 U	20.7 U	385 U	**158 J**	37.5 U	392 U	**134 J**	26.8 U	660 U	**296 J**	408 U	400 U	392 U
2-Chloronaphthalene	400 U	11.3 U	400 U	**3.02**	20.4 U	392 U	**9.23 J**	14.5 U	660 U	**5.66 J**	408 U	400 U	392 U
4-Bromophenyl-phenylether	400 U	15.1 U	385 U	400 U	27.3 U	392 U	400 UJ	19.5 U	400 U	400 UJ	408 U	400 U	392 U
4-Chlorophenyl-phenylether	400 U	21.9 U	385 U	400 U	39.6 U	392 U	400 UJ	28.3 U	400 U	400 UJ	408 U	400 U	392 U
Azobenzene	400 U	--	385 U	400 U	--	392 U	400 UJ	--	400 U	400 UJ	408 U	400 U	392 U
Benzidine	**503**	32.4 UJ	385 U	400 U	58.7 UJ	**128**	400 UJ	41.9 UJ	400 U	**263 J**	408 U	**213**	392 U
bis(2-Chloroethoxy)methane	400 U	30.5 U	385 U	400 U	55.2 U	392 U	400 UJ	39.4 U	400 U	**0.327 J**	408 U	400 U	392 U
bis(2-Chloroethyl)ether	**56.9**	29.2 U	**1530**	600 U	52.8 U	392 U	400 UJ	37.7 U	400 U	**42.7 J**	408 U	**45.8**	392 U
bis(2-Chloroisopropyl)ether	**410**	12.7 U	**25.2**	**741**	23 U	**420**	**1970 J**	16.4 U	660 U	**12.4 J**	408 U	**32**	**193**
bis(2-Ethylhexyl)phthalate	**1610 J**	**241.4**	**1780**	**4630**	**1135**	**1610**	**2330**	**1068**	**1170**	**2550**	**809**	**507 J**	**1960**
Butylbenzylphthalate	**37.6**	17.6 U	**133**	**199**	31.9 U	**174**	**42.9**	22.8 U	**75.1**	**164**	408 U	**33.8**	392 U
Diethylphthalate	**261**	18.2 U	385 U	**242**	**436.2**	**46.2**	**44.5 J**	**323.6**	**45**	**34.9 J**	**40.4**	**47.9**	**54.2**
Dimethylphthalate	400 U	17.1 U	385 U	**93.7**	31 U	392 U	**26**	22.1 U	400 U	**2000 J**	408 U	400 U	392 U
Di-n-butylphthalate	**70.8 J**	46.5 U	385 U	**49.4 J**	84.3 U	392 U	**52.1 J**	60.1 U	660 U	**3.88**	408 U	**70.1 J**	392 U

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	7	7	4A	4A	4A	6A	6A	6A	E	E	G	G	Q
Y Coord:	13828220.99	13828220.99	13833153.34	13833153.34	13833153.34	13831418.4	13831418.4	13831418.4	13835606.46	13835606.46	13833445.18	13833445.18	13830421.8
X Coord:	3201270.954	3201270.954	3201713.102	3201713.102	3201713.102	3201362.078	3201362.078	3201362.078	3201181.635	3201181.635	3201385.555	3201385.555	3200799.782
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	7-4/26/2001	7-8/12/2003	4a-9/5/2000	4A-4/24/2001	4A-8/12/2003	6a-9/5/2000	6A-4/25/2001	6A-8/12/2003	E-9/6/2000	E-4/23/2001	G-9/6/2000	G-4/24/2001	Q-9/5/2000
Sample Date:	4/26/01	8/12/03	9/5/00	4/24/01	8/12/03	9/5/00	4/25/01	8/12/03	9/6/00	4/23/01	9/6/00	4/24/01	9/5/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	**26.6 J**	15.3 U	**44.5**	**51.2 J**	27.7 U	**57.9**	**35.3 J**	**19.8**	**32.5 J**	**89.4**	**53.5**	**63.5 J**	392 U
Hexachlorobenzene	400 U	26 U	**295**	**150 J**	**475.7**	392 U	400 UJ	**41.9**	**20400**	**4520 J**	**1480**	**129000 J**	392 U
Hexachlorobutadiene	400 U	21.4 U	**882**	**339 J**	**391.3**	392 U	400 UJ	27.6 U	**17800**	**8910 J**	408 U	**548 J**	392 U
Hexachloroethane	400 U	23.3 U	385 UJ	**595**	42.2 U	**764 J**	**174 J**	30.1 U	**2720 J**	**544 J**	408 UJ	**90.1**	392 UJ
VOCs (µg/kg)													
1,1,1-Trichloroethane	5.7 U	2.09 U	11 U	100 UJ	3.78 U	6.4 U	5 U	2.7 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U
1,1,2,2-Tetrachloroethane	5.7 U	1.86 U	11 U	100 U	3.37 U	6.4 U	5 U	2.41 U	7.6 U	8.6 U	7.3 U	7 U	7.9 U
1,2-Dichlorobenzene	5.7 U	14 U	385 U	100 U	25.4 U	392 U	**6.89**	18.1 U	400 U	--	408 U	400 U	392 U
1,3-Dichlorobenzene	**14.4**	26 U	**115**	**259**	47.1 U	392 U	5 U	33.6 U	**2760**	**2040**	408 U	**51.1**	392 U
1,4-Dichlorobenzene	5.7 U	22.9 U	**121**	**86**	41.5 U	392 U	**14.9**	29.6 U	**1040**	**850**	408 U	**69.1**	392 U
2-Butanone (MEK)	114 U	--	218 U	2000 U	--	128 U	100 U	--	152 U	172 U	146 U	139 U	158 U
4-Isopropyltoluene	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	**20.3**	7.3 U	7 U	7.9 U
Acrylonitrile	56.9 U	8.95 U	109 U	1000 UJ	16.2 U	64 U	5.9 U	11.6 U	75.9 U	86.2 U	72.8 U	69.5 U	79.1 U
Benzene	5.7 U	**3.79 J**	11 U	100 U	3.65 U	6.4 U	5 U	**494**	7.6 U	8.6 U	7.3 U	7 U	7.9 U
Carbon disulfide	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U
Chlorobenzene	5.7 U	1.96 U	11 U	100 U	3.56 U	6.4 U	5 U	**4.9 J**	7.6 U	8.6 U	**8.6**	7 U	7.9 U
Ethylbenzene	5.7 U	1.88 U	11 U	100 U	3.4 U	6.4 U	5 U	**102**	7.6 U	8.6 U	7.3 U	7 U	7.9 U
Isopropylbenzene	5.7 U	--	**15**	**1950**	--	6.4 U	**73.9**	--	7.6 U	8.6 U	7.3 U	7 U	**22.9**
n-Butylbenzene	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U
n-Propylbenzene	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U
sec-Butylbenzene	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U
tert-Butylbenzene	5.7 U	--	11 U	**108**	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U
Toluene	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U
Total xylene	5.7 U	--	11 U	100 U	--	6.4 U	5 U	--	7.6 U	8.6 U	7.3 U	7 U	7.9 U

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	Q	R	R	R	S	S	T	T	U	U	V	V	Y
Y Coord:	13830421.8	13828577.09	13828577.09	13828577.09	13835851.9	13835851.9	13832101.31	13832101.31	13834667.1	13834667.1	13836389.69	13836389.69	13829721.7
X Coord:	3200799.782	3201094.46	3201094.46	3201094.46	3201068.463	3201068.463	3201609.231	3201609.231	3201352.651	3201352.651	3202308.86	3202308.86	3200730.468
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	Q-4/25/2001	R-9/5/2000	R-4/26/2001	R-8/12/2003	S-9/5/2000	S-4/24/2001	T-9/5/2000	T-4/25/2001	U-9/6/2000	U-4/24/2001	V-9/5/2000	V-4/23/2001	Y-9/6/2000
Sample Date:	4/25/01	9/5/00	4/26/01	8/12/03	9/5/00	4/24/01	9/5/00	4/25/01	9/6/00	4/24/01	9/5/00	4/23/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)													
Ammonia	--	--	--	39.7	--	--	--	--	--	--	--	--	--
Diox/Fur (ng/kg)													
1,2,3,4,6,7,8-HpCDD	1835 J	37.9	36.5 J	--	42.4	1083 J	332	256 J	60.8	15.6 J	406	227 J	294
1,2,3,4,6,7,8-HpCDF	1360	14.8	32.7 J	--	337	1763	134	91.2	128	16.4 J	1698	440	89.4
1,2,3,4,7,8,9-HpCDF	124	2.38	4.06 J	--	30.1	180	16.9	11.9	18.1	1.41 J	190	74.5	7.71
1,2,3,4,7,8-HxCDD	20.1	1.81	1.34	--	0.63 U	14.3	4.62	4.38	1.53 U	0.52 U	6.85 U	6.59	7.24 U
1,2,3,4,7,8-HxCDF	376	8.71	8.4	--	64.9	478	51.8	31.7	84	7.99 J	489	271	44.4
1,2,3,6,7,8-HxCDD	67	1.93	1.75	--	2.03	37.6	14.5	11.7	1.92	0.46 U	19.3	11.5	12
1,2,3,6,7,8-HxCDF	118	3.1	3.27 J	--	20.6	164	18.6	12.8	24.1	1.95 J	154	86.5	17.7
1,2,3,7,8,9-HxCDD	36.5	3.38	0.58 U	--	0.52 U	26	12.6	9.86	2.69	0.86 UJ	19.7	10.8	10.3
1,2,3,7,8,9-HxCDF	5.32	0.6 U	0.67 U	--	1.94	10.4	1.47	0.87 U	1.02 U	0.36 U	17.1	15.9	7.27 U
1,2,3,7,8-PeCDD	9.75	0.52 U	0.74 U	--	0.21 U	5.81 U	2.46	1.77 U	0.65 U	0.58 U	1.3 U	2.23 U	3.03 U
1,2,3,7,8-PeCDF	37.6	4.75	1.42	--	35.8	265	21.2	13.6	52.6	4.78	327	208	29.2
2,3,4,6,7,8-HxCDF	25.5	2.02	1.84	--	4.68	42.7	5.86	5.2	5.99	0.526	24.5	33.1	9.42
2,3,4,7,8-PeCDF	27.9	1.66	1.54	--	12.8	117	13.2	11.4	15.7	1.33 U	110	69.7	38.2
2,3,7,8-TCDD	0.84 U	0.43 U	0.91 U	--	3.96	108	2.2	0.73 U	3.9	0.5 U	37.6	20.6	3.06
2,3,7,8-TCDF	13.8	2.45	1.23	--	21.3	424	21.3	9.37	22.4	2.74	176	84.2	108
OCDD	20048	411	358	--	485	11644	4847	3011	667	484	5240	3391	3280
OCDF	2377	78.3	126	--	6813	92390	772	439	2423	457	77482	15440	640
Metals (mg/kg)													
Arsenic	12.7	164	29.8	11.1	4.39	12	4.73	11.4	3.11	10.3	4.31	12	31.8
Barium	429	307	238	168	329	522	383	318	257	334	373	365	23500
Cadmium	1.84	1.03	0.411	0.596	0.436	0.268	0.415	0.376	0.0872	0.0907	0.642	0.712	1.52
Chromium	380	73	457	17.9	73.9	182	84.4	40.7	29.4	40.1	92.9	73.8	63.9 J
Copper	180	271	70.3	221	104	80.2	52.3	37.9	14.9	15.5	69.9	62.3	47.1
Iron	20500	39600	22500	13800	11300	19800	10900	10200	9340	20300	20400	22000	13400 J
Lead	193	260	47.2	46.3	47.8 J	124	28.9	127	15	16.8	48.2	50.9	41.8 J
Mercury	1.12	0.0549	0.133	0.163	10.7	23.9	3.21	1.1	0.666	0.744	6.55	3.98	0.823
Nickel	156	26.6	54.5	11.4	24	48.1	25	19.8	12.9	21.4	33.5	33.5	42.8
Selenium	0.982	0.727	0.565	0.518 J	0.854	0.797	0.7	0.51	0.603	0.372 U	1.09	1.06	0.344
Silver	0.577	0.384	0.246	0.173 J	0.424	0.58	0.411	0.611	0.131	0.162	0.763	0.757	0.347
Zinc	1100	1750	479	256 J	189	355	281 J	252	54.3	50.9	310	295	1540 J
PAHs (µg/kg)													
2-Methylnaphthalene	212 J	108	73.2	10.5 U	75.3	2790	133	82.9 J	71	29.1	494	343	22900
Acenaphthene	99.5	134	169 J	90.3	230	9830	96.4	180	68.5	35.1 J	1550	900	19200
Acenaphthylene	1770 J	385 U	250	62.37 J	471	12500	521	376 J	332	44.3	2070	1860 J	31000
Anthracene	1350 J	335	403 J	316.7	184	6520 J	264	326 J	119	23.2 J	803	774 J	14000
Benzo(a)anthracene	991	1620	2260	1963	392 U	2440	716	1240	400 U	660 U	550	807	3260
Benzo(a)pyrene	1050	1640	2300	1937	392 U	3510	830	1490	400 U	R	1160	1300	400 U
Benzo(b)fluoranthene	1200 J	1820	2440	2130	293	1970	1020	1620 J	147	R	970	1080 J	400 U

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	Q	R	R	R	S	S	T	T	U	U	V	V	Y
Y Coord:	13830421.8	13828577.09	13828577.09	13828577.09	13835851.9	13835851.9	13832101.31	13832101.31	13834667.1	13834667.1	13836389.69	13836389.69	13829721.7
X Coord:	3200799.782	3201094.46	3201094.46	3201094.46	3201068.463	3201068.463	3201609.231	3201609.231	3201352.651	3201352.651	3202308.86	3202308.86	3200730.468
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	Q-4/25/2001	R-9/5/2000	R-4/26/2001	R-8/12/2003	S-9/5/2000	S-4/24/2001	T-9/5/2000	T-4/25/2001	U-9/6/2000	U-4/24/2001	V-9/5/2000	V-4/23/2001	Y-9/6/2000
Sample Date:	4/25/01	9/5/00	4/26/01	8/12/03	9/5/00	4/24/01	9/5/00	4/25/01	9/6/00	4/24/01	9/5/00	4/23/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	1130 J	1000	1680	1186	450	9250	595	621 J	106	R	1370	1070 J	400 U
Benzo(k)fluoranthene	1080	1910	2340	1618	296	1710	1010	1520	163	400 U	835	1100	400 U
C1-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-Fluoranthene/Pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-Fluorenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Fluorenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Naphthalenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C2-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Fluorenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Naphthalenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C3-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C4-Chrysenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C4-Naphthalenes	--	--	--	--	--	--	--	--	--	--	--	--	--
C4-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--	--	--	--	--
Chrysene	1770 J	2400	3540	2067	423	3440	1160	2300 J	254	R	1040	1580 J	6150
Dibenzo(a,h)anthracene	95.3 J	275	487	495.9	41.1	400 U	130	138 J	400 U	400 U	109	127 J	400 U
Fluoranthene	84.9 J	4230	6460	5446	1070	269	1710	3490 J	337	76.4	3840	4010 J	9810
Fluorene	131 J	173	236 J	116.7	260	4970	153	222 J	125	18.1	824	802 J	12000
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--	--	--	--	--	--
Naphthalene	244 J	67.1	64.1 J	69.5 J	174	3690	212	121 UJ	97	41.2 J	903	585	41500
Perylene	--	--	--	--	--	--	--	--	--	--	--	--	--
Phenanthrene	914 J	2570	3910 J	2375	1020	14700 J	745	1110 J	346	56.4 J	3520	2380 J	46800
Pyrene	4440 J	3230	5500 J	4104	1900	41600 J	1550	2740 J	507	149 J	7450	5650 J	15700
Total HPAH 16 standard (U=1/2; max ND)	11841.2	18125	27007	20946.9	4865.1	64389	8721	15159	2114	955.4	17324	16724	35920
Total LPAH 16 standard (U=1/2; max ND)	4508.5	3471.6	5032.1	3030.57	2339	52210	1991.4	2274.5	1087.5	218.3	9670	7301	164500
Total PAH 16 standard (U=1/2; max ND)	16349.7	21596.6	32039.1	23977.47	7204.1	116599	10712.4	17433.5	3201.5	1173.7	26994	24025	200420
PCB Congeners (ng/kg)													
PCB-077	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-081	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-105	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-118	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-123	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-126	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-156/157	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-167	--	--	--	--	--	--	--	--	--	--	--	--	--
PCB-169	--	--	--	--	--	--	--	--	--	--	--	--	--

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	Q	R	R	R	S	S	T	T	U	U	V	V	Y
Y Coord:	13830421.8	13828577.09	13828577.09	13828577.09	13835851.9	13835851.9	13832101.31	13832101.31	13834667.1	13834667.1	13836389.69	13836389.69	13829721.7
X Coord:	3200799.782	3201094.46	3201094.46	3201094.46	3201068.463	3201068.463	3201609.231	3201609.231	3201352.651	3201352.651	3202308.86	3202308.86	3200730.468
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	Q-4/25/2001	R-9/5/2000	R-4/26/2001	R-8/12/2003	S-9/5/2000	S-4/24/2001	T-9/5/2000	T-4/25/2001	U-9/6/2000	U-4/24/2001	V-9/5/2000	V-4/23/2001	Y-9/6/2000
Sample Date:	4/25/01	9/5/00	4/26/01	8/12/03	9/5/00	4/24/01	9/5/00	4/25/01	9/6/00	4/24/01	9/5/00	4/23/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	--	--	--	--	--	--	--	--	--	--	--	--	--
PCBs Aroclors (µg/kg)													
Aroclor 1248	**1070**	**103**	**37.7**	--	**113**	**2090**	**837**	**626**	**78.8**	**12.8**	**447**	**442**	**2570**
Aroclor 1254	--	--	--	--	--	--	--	--	--	--	--	--	--
Aroclor 1260	--	--	--	--	--	--	--	--	--	--	--	--	--
Total PCB (U=1/2; max ND)	**1070**	**103**	**37.7**	--	**113**	**2090**	**837**	**626**	**78.8**	**12.8**	**447**	**442**	**2570**
Pesticides (µg/kg)													
4,4'-DDD	**3.63**	38 U	**0.073 J**	--	39 U	**2.63 J**	38 U	40 U	40 U	40 UJ	40 U	**0.979**	40 U
4,4'-DDE	**1.01**	**5.23**	**2.07 J**	--	**7.24**	40 UJ	**7.49**	40 U	**6.63**	**0.178 J**	**20.5**	**3.45**	3 U
4,4'-DDT	**1.18**	38 U	**0.238**	--	39 U	**5.65**	38 U	**0.476**	40 U	**0.038**	40 U	**2.04**	40 U
Aldrin	--	--	--	--	--	--	--	--	--	--	--	--	--
alpha-Chlordane	**1.14**	**3.41**	40 UJ	--	39 U	**0.23 J**	38 U	**0.393**	40 U	**0.302 J**	40 U	**0.306**	40 U
Endosulfan I	--	--	--	--	--	--	--	--	--	--	--	--	--
Endosulfan II	--	--	--	--	--	--	--	--	--	--	--	--	--
Endrin	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-BHC (Lindane)	--	--	--	--	--	--	--	--	--	--	--	--	--
gamma-Chlordane	**0.964**	38 U	40 UJ	--	39 U	**0.516 J**	38 U	**0.127**	40 U	**0.329 J**	40 U	**0.605**	40 U
Heptachlor Epoxide	40 U	38 U	40 UJ	--	39 U	**1.26 J**	38 U	**0.319**	40 U	40 UJ	40 U	40 U	40 U
Methoxychlor	--	--	--	--	--	--	--	--	--	--	--	--	--
Sum DDD (U=1/2; max ND)	**3.63**	38 U	**0.073 J**	--	39 U	**2.63 J**	38 U	40 U	40 U	40 U	40 U	**0.979**	40 U
Sum DDE (U=1/2; max ND)	**1.01**	**5.23**	**2.07 J**	--	**7.24**	40 U	**7.49**	40 U	**6.63**	**0.178 J**	**20.5**	**3.45**	3 U
Sum DDT (U=1/2; max ND)	**1.18**	38 U	**0.238**	--	39 U	**5.65**	38 U	**0.476**	40 U	**0.038**	40 U	**2.04**	40 U
Total Chlordane (alpha and gamma) (U=1/2; max ND)	**2.104**	**22.41**	40 U	--	39 U	**0.746 J**	38 U	**0.52**	40 U	**0.631 J**	40 U	**0.911**	40 U
Total DDT (U=1/2; max ND)	**5.82**	**43.23**	**2.381**	--	**46.24**	**28.28**	**45.49**	**40.476**	**46.63**	**20.216**	**60.5**	**6.469**	40 U
SVOCs (µg/kg)													
2,4-Dinitrotoluene	**10.9 J**	385 U	**62.7**	18.9 U	392 U	**170**	385 U	660 U	400 U	660 U	400 U	660 U	400 U
2,6-Dinitrotoluene	**187 J**	385 U	**90.2**	19.8 U	392 U	**807**	385 U	**129 J**	400 U	400 U	400 U	**175 J**	400 U
2-Chloronaphthalene	**47.2 J**	385 U	**2.24**	10.8 U	392 U	**33.5**	385 U	400 UJ	400 U	400 U	400 U	**2.46 J**	400 U
4-Bromophenyl-phenylether	400 UJ	385 U	400 U	14.4 U	392 U	**361**	385 U	400 UJ	400 U	400 U	400 U	400 UJ	400 U
4-Chlorophenyl-phenylether	400 U	385 U	400 U	20.9 U	392 U	**146**	385 U	400 U	400 U	400 U	400 U	400 UJ	400 U
Azobenzene	400 UJ	385 U	**30.6**	16.7 U	392 U	400 U	385 U	400 UJ	400 U	400 U	400 U	400 UJ	400 U
Benzidine	**353 J**	385 U	**776**	31 UJ	392 U	**444**	**143**	**119 J**	400 U	400 U	**161**	400 UJ	400 U
bis(2-Chloroethoxy)methane	**40.3 J**	385 U	400 U	29.1 U	392 U	**55.6**	385 U	400 UJ	400 U	400 U	400 U	**0.414 J**	400 U
bis(2-Chloroethyl)ether	**222 J**	385 U	**92.1**	27.9 U	392 U	**0.798**	385 U	**1180 J**	400 U	660 U	400 U	**0.672 J**	400 U
bis(2-Chloroisopropyl)ether	**452 J**	385 U	**417**	12.1 U	392 U	**762**	**49.2**	**310 J**	400 U	400 U	**40.2**	**12.8 J**	400 U
bis(2-Ethylhexyl)phthalate	**12000**	695 U	**656 J**	**157.8**	392 U	**14400**	**1180**	**2550**	400 U	**R**	**1390**	**2250**	**4690**
Butylbenzylphthalate	**6.77**	385 U	**49.7**	16.9 U	**79.8**	**485**	**120**	**188**	400 U	**37.6**	**117**	**0.578**	400 U
Diethylphthalate	**216 J**	385 U	**48.1**	17.4 U	660 U	**215**	385 U	**203 J**	400 U	**153**	**42.2**	**0.176 J**	400 U
Dimethylphthalate	**50.3 J**	385 U	400 U	16.4 U	392 U	**5.45**	385 U	**26.2 J**	400 U	400 U	400 U	**56.8 J**	400 U
Di-n-butylphthalate	**487**	385 U	**59.6 J**	**306.6**	392 U	**151 J**	**37.3**	**77.3 J**	**54.8**	**55.9 J**	400 U	**18.4 J**	400 U

Task:	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL	TMDL
Location ID:	Q	R	R	R	S	S	T	T	U	U	V	V	Y
Y Coord:	13830421.8	13828577.09	13828577.09	13828577.09	13835851.9	13835851.9	13832101.31	13832101.31	13834667.1	13834667.1	13836389.69	13836389.69	13829721.7
X Coord:	3200799.782	3201094.46	3201094.46	3201094.46	3201068.463	3201068.463	3201609.231	3201609.231	3201352.651	3201352.651	3202308.86	3202308.86	3200730.468
Depth:	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm	0 - 10 cm
Sample ID:	Q-4/25/2001	R-9/5/2000	R-4/26/2001	R-8/12/2003	S-9/5/2000	S-4/24/2001	T-9/5/2000	T-4/25/2001	U-9/6/2000	U-4/24/2001	V-9/5/2000	V-4/23/2001	Y-9/6/2000
Sample Date:	4/25/01	9/5/00	4/26/01	8/12/03	9/5/00	4/24/01	9/5/00	4/25/01	9/6/00	4/24/01	9/5/00	4/23/01	9/6/00
Sample Type:	N	N	N	N	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	**295**	**28.1**	**15.3 J**	14.7 U	**19.9**	**22.2 J**	**46.1**	**83.4**	**21.9**	**R**	**78.5**	**49.7 J**	400 U
Hexachlorobenzene	**47 J**	385 U	**39.9**	24.9 U	**3400**	**6570 J**	385 U	**75.8 J**	**1030**	**13.8 J**	**10400**	**8790 J**	400 U
Hexachlorobutadiene	400 UJ	385 U	**55.7**	20.5 U	**5990**	**14800 J**	385 U	**89.7 J**	**773**	**57.8 J**	**16100**	**23300 J**	400 U
Hexachloroethane	**264 J**	385 UJ	400 U	22.3 U	**380 J**	**1060**	385 UJ	**119 J**	400 UJ	400 U	**457 J**	**2210**	400 UJ
VOCs (µg/kg)													
1,1,1-Trichloroethane	50 U	6 U	6 U	2 U	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U
1,1,2,2-Tetrachloroethane	50 U	6 U	6 U	1.78 U	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U
1,2-Dichlorobenzene	**348**	385 U	6 U	13.4 U	392 U	9.8 U	385 U	8 U	400 U	7.8 U	400 U	11 U	400 U
1,3-Dichlorobenzene	**53.2**	385 U	**17.6**	24.9 U	**861**	**17500**	385 U	**21**	**121**	**492**	**3550**	**3050**	400 U
1,4-Dichlorobenzene	**53.9**	385 U	6 U	21.9 U	**286**	**4980**	385 U	**28**	**131**	**153**	**1410**	**1640**	400 U
2-Butanone (MEK)	1000 U	120 U	120 U	--	172 U	196 U	165 U	159 U	158 U	157 U	311 U	214 U	153 U
4-Isopropyltoluene	52 U	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U
Acrylonitrile	520 U	60 U	60 UJ	8.56 U	86.1 U	98 U	82.5 U	79.7 UJ	78.9 U	78.5 U	155 U	107 U	76.3 U
Benzene	50 U	6 U	6 U	**2.16 J**	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U
Carbon disulfide	50 U	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U
Chlorobenzene	50 U	6 U	6 U	1.88 U	**15**	**23.7**	8.3 U	8 U	7.9 U	7.8 U	**23**	**20**	**10**
Ethylbenzene	50 U	6 U	6 U	1.8 U	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	**153**
Isopropylbenzene	**1290**	6 U	6 U	--	**17**	9.8 U	8.3 U	**25.4**	7.9 U	7.8 U	16 U	11 U	**29000**
n-Butylbenzene	**176**	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	7.6 U
n-Propylbenzene	**180**	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	**66**
sec-Butylbenzene	**109**	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	**10**
tert-Butylbenzene	50 U	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	**40.9**
Toluene	50 U	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	**21.8**
Total xylene	50 U	6 U	6 U	--	8.6 U	9.8 U	8.3 U	8 U	7.9 U	7.8 U	16 U	11 U	**267**

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	TMDL	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	Y	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Y Coord:	13829721.7	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5
X Coord:	3200730.468	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465
Depth:	0 - 10 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	Y-4/26/2001	2.5-4/29/1999-TCEQ	2.5-7/22/1999-TCEQ	2.5-10/13/1999-TCEQ	2.5-1/25/2000-TCEQ	2.5-5/9/2000-TCEQ	2.5-7/19/2000-TCEQ	2.5-4/12/2001-TCEQ	2.5-2/13/2002-TCEQ
Sample Date:	4/26/01	4/29/99	7/22/99	10/13/99	1/25/00	5/9/00	7/19/00	4/12/01	2/13/02
Sample Type:	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)									
Ammonia	--	--	--	--	--	--	--	--	--
Diox/Fur (ng/kg)									
1,2,3,4,6,7,8-HpCDD	**64.4 J**	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	**36.7 J**	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	**3.4 J**	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	**1.44**	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	**14.9**	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	**3.03**	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	**6.16 J**	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	**3.74**	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	0.51 U	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	**0.829**	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	**7.54**	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	**4.8**	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	**8.39**	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	0.59 U	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	**13**	--	--	--	--	--	--	--	--
OCDD	**1027**	--	--	--	--	--	--	--	--
OCDF	**348**	--	--	--	--	--	--	--	--
Metals (mg/kg)									
Arsenic	**14.7**	**5.45**	**8.01**	**5.73**	**6.36**	**6.01**	**4.39**	**5.62**	**6.73**
Barium	**445**	**201**	**305**	**203**	**256**	**288**	**191**	**268**	**238**
Cadmium	**0.169**	**0.74**	--	**0.48**	**0.624**	**0.491**	**0.371**	**0.566**	**0.546**
Chromium	**42.1**	**45.3**	**62.4**	**44.1**	**54.4**	**64.6**	**42**	**73.7**	**57.4**
Copper	**18.3**	**36.8**	**52.4**	**38.2**	**47.2**	**57.7**	**37.2**	**61.9**	**45.9**
Iron	**29400**	--	--	--	--	--	--	--	--
Lead	**33**	**37.2**	**49.6**	**37.9**	**37.3**	**55.9**	**36.5**	**70**	**73.4**
Mercury	**0.222**	**3.9**	**4.63**	**3.71**	**4.34**	**4.16**	--	--	--
Nickel	**31.9**	**20.7**	**34.1**	**19.7**	**27.3**	**30.4**	**21**	**29.7**	**27.9**
Selenium	**0.43**	**0.81**	1.23 U	0.88 U	**1.24**	**1.23**	**0.918**	**1.35**	--
Silver	**0.129**	0.678 U	**0.996**	0.66 U	**0.974**	0.801 U	**0.515**	**0.983**	**0.788**
Zinc	**73.9**	**208**	**333**	**210**	**268**	**288**	**188**	**313**	**257**
PAHs (µg/kg)									
2-Methylnaphthalene	**30.1**	--	--	--	--	--	--	--	--
Acenaphthene	**2.47 J**	--	616 U	--	--	--	**417**	--	--
Acenaphthylene	**59**	--	**862**	--	--	--	**1000**	--	--
Anthracene	**34.1 J**	--	616 U	--	--	--	**1160**	--	--
Benzo(a)anthracene	**189**	--	616 U	--	--	--	330 U	--	--
Benzo(a)pyrene	**222**	--	**837**	--	--	--	330 U	--	--
Benzo(b)fluoranthene	**255**	--	**1230**	--	--	--	**524**	--	--

Task:	TMDL	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	Y	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Y Coord:	13829721.7	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5
X Coord:	3200730.468	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465
Depth:	0 - 10 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	Y-4/26/2001	2.5-4/29/1999-TCEQ	2.5-7/22/1999-TCEQ	2.5-10/13/1999-TCEQ	2.5-1/25/2000-TCEQ	2.5-5/9/2000-TCEQ	2.5-7/19/2000-TCEQ	2.5-4/12/2001-TCEQ	2.5-2/13/2002-TCEQ
Sample Date:	4/26/01	4/29/99	7/22/99	10/13/99	1/25/00	5/9/00	7/19/00	4/12/01	2/13/02
Sample Type:	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	--	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	**167**	--	**1290**	--	--	--	**954**	--	--
Benzo(k)fluoranthene	**223**	--	616 U	--	--	--	**720**	--	--
C1-Chrysenes	--	--	--	--	--	--	--	--	--
C1-Fluoranthene/Pyrene	--	--	--	--	--	--	--	--	--
C1-Fluorenes	--	--	--	--	--	--	--	--	--
C1-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--
C2-Chrysenes	--	--	--	--	--	--	--	--	--
C2-Fluorenes	--	--	--	--	--	--	--	--	--
C2-Naphthalenes	--	--	--	--	--	--	--	--	--
C2-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--
C3-Chrysenes	--	--	--	--	--	--	--	--	--
C3-Fluorenes	--	--	--	--	--	--	--	--	--
C3-Naphthalenes	--	--	--	--	--	--	--	--	--
C3-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--
C4-Chrysenes	--	--	--	--	--	--	--	--	--
C4-Naphthalenes	--	--	--	--	--	--	--	--	--
C4-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--	--
Chrysene	**397**	--	**1200**	--	--	--	**409**	--	--
Dibenzo(a,h)anthracene	400 U	--	616 U	--	--	--	**664**	--	--
Fluoranthene	**518**	--	**2340**	--	--	--	**1370**	--	--
Fluorene	**18.1**	--	616 U	--	--	--	**416**	--	--
Indeno(1,2,3-cd)pyrene	--	--	**817**	--	--	--	**903**	--	--
Naphthalene	**35.9 J**	--	616 U	--	--	--	**337**	--	--
Perylene	--	--	--	--	--	--	--	--	--
Phenanthrene	**264 J**	--	**1800**	--	--	--	**1220**	--	--
Pyrene	**429 J**	--	**3790**	--	--	--	330 U	--	--
Total HPAH 16 standard (U=1/2; max ND)	**2600**	--	--	--	--	--	--	--	--
Total LPAH 16 standard (U=1/2; max ND)	**413.57**	--	--	--	--	--	--	--	--
Total PAH 16 standard (U=1/2; max ND)	**3013.57**	--	--	--	--	--	--	--	--
PCB Congeners (ng/kg)									
PCB-077	--	--	--	--	--	--	--	--	--
PCB-081	--	--	--	--	--	--	--	--	--
PCB-105	--	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	--	--	--
PCB-118	--	--	--	--	--	--	--	--	--
PCB-123	--	--	--	--	--	--	--	--	--
PCB-126	--	--	--	--	--	--	--	--	--
PCB-156/157	--	--	--	--	--	--	--	--	--
PCB-167	--	--	--	--	--	--	--	--	--
PCB-169	--	--	--	--	--	--	--	--	--

Task:	TMDL	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	Y	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Y Coord:	13829721.7	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5
X Coord:	3200730.468	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465
Depth:	0 - 10 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	Y-4/26/2001	2.5-4/29/1999-TCEQ	2.5-7/22/1999-TCEQ	2.5-10/13/1999-TCEQ	2.5-1/25/2000-TCEQ	2.5-5/9/2000-TCEQ	2.5-7/19/2000-TCEQ	2.5-4/12/2001-TCEQ	2.5-2/13/2002-TCEQ
Sample Date:	4/26/01	4/29/99	7/22/99	10/13/99	1/25/00	5/9/00	7/19/00	4/12/01	2/13/02
Sample Type:	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	--	--	--	--	--	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	--	--	--	--	--	--	--	--	--
PCBs Aroclors (µg/kg)									
Aroclor 1248	**58.1**	--	620 U	--	--	--	3200 U	--	--
Aroclor 1254	--	--	620 U	--	--	--	3200 U	--	--
Aroclor 1260	--	--	620 U	--	--	--	3200 U	--	--
Total PCB (U=1/2; max ND)	**58.1**	--	620 U	--	--	--	3200 U	--	--
Pesticides (µg/kg)									
4,4'-DDD	**0.144 J**	--	120 U	--	--	--	640 U	--	--
4,4'-DDE	**1.77 J**	--	50 U	--	--	--	640 U	--	--
4,4'-DDT	40 U	--	50 U	--	--	--	640 U	--	--
Aldrin	--	--	50 U	--	--	--	320 U	--	--
alpha-Chlordane	**0.112 J**	--	--	--	--	--	--	--	--
Endosulfan I	--	--	50 U	--	--	--	--	--	--
Endosulfan II	--	--	120 U	--	--	--	--	--	--
Endrin	--	--	50 U	--	--	--	640 U	--	--
gamma-BHC (Lindane)	--	--	20 U	--	--	--	320 U	--	--
gamma-Chlordane	**0.185 J**	--	--	--	--	--	--	--	--
Heptachlor Epoxide	**0.278 J**	--	50 U	--	--	--	320 U	--	--
Methoxychlor	--	--	70 U	--	--	--	3200 U	--	--
Sum DDD (U=1/2; max ND)	**0.144 J**	--	120 U	--	--	--	640 U	--	--
Sum DDE (U=1/2; max ND)	**1.77 J**	--	50 U	--	--	--	640 U	--	--
Sum DDT (U=1/2; max ND)	40 U	--	50 U	--	--	--	640 U	--	--
Total Chlordane (alpha and gamma) (U=1/2; max ND)	**0.297 J**	--	--	--	--	--	--	--	--
Total DDT (U=1/2; max ND)	**21.914**	--	120 U	--	--	--	640 U	--	--
SVOCs (µg/kg)									
2,4-Dinitrotoluene	**49.6**	--	616 U	--	--	--	330 U	--	--
2,6-Dinitrotoluene	**23000**	--	616 U	--	--	--	330 U	--	--
2-Chloronaphthalene	400 U	--	616 U	--	--	--	330 U	--	--
4-Bromophenyl-phenylether	400 U	--	616 U	--	--	--	330 U	--	--
4-Chlorophenyl-phenylether	400 U	--	616 U	--	--	--	330 U	--	--
Azobenzene	**10.9**	--	--	--	--	--	--	--	--
Benzidine	400 U	--	2460 U	--	--	--	1700 U	--	--
bis(2-Chloroethoxy)methane	**10.9**	--	616 U	--	--	--	330 U	--	--
bis(2-Chloroethyl)ether	**48.9**	--	616 U	--	--	--	330 U	--	--
bis(2-Chloroisopropyl)ether	**9.16**	--	616 U	--	--	--	330 U	--	--
bis(2-Ethylhexyl)phthalate	**1750 J**	--	**1500**	--	--	--	330 U	--	--
Butylbenzylphthalate	**35**	--	616 U	--	--	--	330 U	--	--
Diethylphthalate	**57.6**	--	616 U	--	--	--	330 U	--	--
Dimethylphthalate	400 U	--	616 U	--	--	--	330 U	--	--
Di-n-butylphthalate	**54.1 J**	--	616 U	--	--	--	330 U	--	--

Task:	TMDL	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	Y	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
Y Coord:	13829721.7	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5
X Coord:	3200730.468	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465
Depth:	0 - 10 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	Y-4/26/2001	2.5-4/29/1999-TCEQ	2.5-7/22/1999-TCEQ	2.5-10/13/1999-TCEQ	2.5-1/25/2000-TCEQ	2.5-5/9/2000-TCEQ	2.5-7/19/2000-TCEQ	2.5-4/12/2001-TCEQ	2.5-2/13/2002-TCEQ
Sample Date:	4/26/01	4/29/99	7/22/99	10/13/99	1/25/00	5/9/00	7/19/00	4/12/01	2/13/02
Sample Type:	N	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	**19 J**	--	616 U	--	--	--	330 U	--	--
Hexachlorobenzene	**151**	--	**6780**	--	--	--	**3530**	--	--
Hexachlorobutadiene	400 U	--	**5680**	--	--	--	**3920**	--	--
Hexachloroethane	**21.3**	--	**760**	--	--	--	**1180**	--	--
VOCs (µg/kg)									
1,1,1-Trichloroethane	7.3 U	--	18.5 U	--	--	--	5 U	--	--
1,1,2,2-Tetrachloroethane	7.3 U	--	18.5 U	--	--	--	5 U	--	--
1,2-Dichlorobenzene	7.3 U	--	616 U	--	--	--	330 U	--	--
1,3-Dichlorobenzene	**9.92**	--	**677**	--	--	--	**1530**	--	--
1,4-Dichlorobenzene	7.3 U	--	616 U	--	--	--	**554**	--	--
2-Butanone (MEK)	147 U	--	--	--	--	--	--	--	--
4-Isopropyltoluene	7.3 U	--	--	--	--	--	--	--	--
Acrylonitrile	73.3 U	--	185 U	--	--	--	50 U	--	--
Benzene	7.3 U	--	18.5 U	--	--	--	5 U	--	--
Carbon disulfide	7.3 U	--	--	--	--	--	--	--	--
Chlorobenzene	7.3 U	--	18.5 U	--	--	--	**6**	--	--
Ethylbenzene	7.3 U	--	18.5 U	--	--	--	5 U	--	--
Isopropylbenzene	3.65 U	--	--	--	--	--	--	--	--
n-Butylbenzene	7.3 U	--	--	--	--	--	--	--	--
n-Propylbenzene	7.3 U	--	--	--	--	--	--	--	--
sec-Butylbenzene	7.3 U	--	--	--	--	--	--	--	--
tert-Butylbenzene	7.3 U	--	--	--	--	--	--	--	--
Toluene	7.3 U	--	18.5 U	--	--	--	5 U	--	--
Total xylene	7.3 U	--	18.5 U	--	--	--	5 U	--	--

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3
Y Coord:	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13834261.95
X Coord:	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201381.078
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	2.5-7/17/2002-TCEQ	2.5-32/5/2003-TCEQ	2.5-4/23/2003-TCEQ	2.5-7/17/2003-TCEQ	2.5-4/14/2004-TCEQ	2.5-7/1/2004-TCEQ	2.5-4/27/2005-TCEQ	3-8/12/2003-EPA/TCEQ
Sample Date:	7/17/02	2/5/03	4/23/03	7/17/03	4/14/04	7/1/04	4/27/05	8/12/03
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)								
Ammonia	--	--	--	--	--	--	--	--
Diox/Fur (ng/kg)								
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	--	--	--
OCDD	--	--	--	--	--	--	--	--
OCDF	--	--	--	--	--	--	--	--
Metals (mg/kg)								
Arsenic	**2.14**	**9.88**	**6.37**	**2.53**	**4.77**	**5.87**	**9.39**	--
Barium	**178**	**352**	**267**	**155**	**276**	**609**	**329**	--
Cadmium	**0.393**	**0.82**	**0.48**	**0.25**	**0.54**	**0.49**	**0.8**	--
Chromium	**46.3**	**75**	**54.9**	**30**	**51.5**	**114**	**77.8**	--
Copper	**32.8**	**57.2**	**40**	**19.7**	**41.8**	**76.5**	**59.5**	--
Iron	--	--	**15500**	**6200**	**15300**	**29600**	**25000**	--
Lead	**35.8**	**51**	**43.1**	**30.2**	**41.2**	**102**	**52.6**	--
Mercury	**5.29**	**5.15**	**3.45**	**1.82**	**3.18**	**3.65**	**6.96**	--
Nickel	**18.4**	**36.2**	**24**	**16**	**23.7**	**51.7**	**35.7**	--
Selenium		--	**0.136**	**0.324**	**0.43**	**0.38**	**0.84**	--
Silver	**0.484**	**1.42**	0.753 U	0.564 U	0.81 U	1.51 U	**1.09**	--
Zinc	**206**	**445**	**324**	**136**	**320**	**694**	**402**	--
PAHs (µg/kg)								
2-Methylnaphthalene	--	--	--	--	--	--	--	278 U
Acenaphthene	--	--	--	--	--	--	--	**522**
Acenaphthylene	--	--	--	--	--	--	--	**1470**
Anthracene	--	--	--	--	--	--	--	**629**
Benzo(a)anthracene	--	--	--	--	--	--	--	696 U
Benzo(a)pyrene	--	--	--	--	--	--	--	**801 J**
Benzo(b)fluoranthene	--	--	--	--	--	--	--	696 U

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3
Y Coord:	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13834261.95
X Coord:	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201381.078
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	2.5-7/17/2002-TCEQ	2.5-32/5/2003-TCEQ	2.5-4/23/2003-TCEQ	2.5-7/17/2003-TCEQ	2.5-4/14/2004-TCEQ	2.5-7/1/2004-TCEQ	2.5-4/27/2005-TCEQ	3-8/12/2003-EPA/TCEQ
Sample Date:	7/17/02	2/5/03	4/23/03	7/17/03	4/14/04	7/1/04	4/27/05	8/12/03
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	**864 J**
Benzo(k)fluoranthene	--	--	--	--	--	--	--	696 U
C1-Chrysenes	--	--	--	--	--	--	--	--
C1-Fluoranthene/Pyrene	--	--	--	--	--	--	--	--
C1-Fluorenes	--	--	--	--	--	--	--	--
C1-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
C2-Chrysenes	--	--	--	--	--	--	--	--
C2-Fluorenes	--	--	--	--	--	--	--	--
C2-Naphthalenes	--	--	--	--	--	--	--	--
C2-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
C3-Chrysenes	--	--	--	--	--	--	--	--
C3-Fluorenes	--	--	--	--	--	--	--	--
C3-Naphthalenes	--	--	--	--	--	--	--	--
C3-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
C4-Chrysenes	--	--	--	--	--	--	--	--
C4-Naphthalenes	--	--	--	--	--	--	--	--
C4-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	**893**
Dibenzo(a,h)anthracene	--	--	--	--	--	--	--	696 U
Fluoranthene	--	--	--	--	--	--	--	**2920**
Fluorene	--	--	--	--	--	--	--	**586**
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	696 U
Naphthalene	--	--	--	--	--	--	--	--
Perylene	--	--	--	--	--	--	--	--
Phenanthrene	--	--	--	--	--	--	--	**2910**
Pyrene	--	--	--	--	--	--	--	**6910**
Total HPAH 16 standard (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total LPAH 16 standard (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total PAH 16 standard (U=1/2; max ND)	--	--	--	--	--	--	--	--
PCB Congeners (ng/kg)								
PCB-077	--	--	--	--	--	--	--	--
PCB-081	--	--	--	--	--	--	--	--
PCB-105	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	--	--
PCB-118	--	--	--	--	--	--	--	--
PCB-123	--	--	--	--	--	--	--	--
PCB-126	--	--	--	--	--	--	--	--
PCB-156/157	--	--	--	--	--	--	--	--
PCB-167	--	--	--	--	--	--	--	--
PCB-169	--	--	--	--	--	--	--	--

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3
Y Coord:	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13834261.95
X Coord:	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201381.078
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	2.5-7/17/2002-TCEQ	2.5-32/5/2003-TCEQ	2.5-4/23/2003-TCEQ	2.5-7/17/2003-TCEQ	2.5-4/14/2004-TCEQ	2.5-7/1/2004-TCEQ	2.5-4/27/2005-TCEQ	3-8/12/2003-EPA/TCEQ
Sample Date:	7/17/02	2/5/03	4/23/03	7/17/03	4/14/04	7/1/04	4/27/05	8/12/03
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	--	--	--	--	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	--	--	--	--	--	--	--	--
PCBs Aroclors (µg/kg)								
Aroclor 1248	--	--	--	--	--	--	--	**1360**
Aroclor 1254	--	--	--	--	--	--	--	296 U
Aroclor 1260	--	--	--	--	--	--	--	296 U
Total PCB (U=1/2; max ND)	--	--	--	--	--	--	--	--
Pesticides (µg/kg)								
4,4'-DDD	--	--	--	--	--	--	--	29.6 U
4,4'-DDE	--	--	--	--	--	--	--	29.6 U
4,4'-DDT	--	--	--	--	--	--	--	**34.8 J**
Aldrin	--	--	--	--	--	--	--	14.8 U
alpha-Chlordane	--	--	--	--	--	--	--	14.8 U
Endosulfan I	--	--	--	--	--	--	--	29.6 U
Endosulfan II	--	--	--	--	--	--	--	29.6 U
Endrin	--	--	--	--	--	--	--	29.6 U
gamma-BHC (Lindane)	--	--	--	--	--	--	--	14.8 U
gamma-Chlordane	--	--	--	--	--	--	--	14.8 U
Heptachlor Epoxide	--	--	--	--	--	--	--	14.8 U
Methoxychlor	--	--	--	--	--	--	--	29.6 U
Sum DDD (U=1/2; max ND)	--	--	--	--	--	--	--	--
Sum DDE (U=1/2; max ND)	--	--	--	--	--	--	--	--
Sum DDT (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total Chlordane (alpha and gamma) (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total DDT (U=1/2; max ND)	--	--	--	--	--	--	--	--
SVOCs (µg/kg)								
2,4-Dinitrotoluene	--	--	--	--	--	--	--	696 U
2,6-Dinitrotoluene	--	--	--	--	--	--	--	696 U
2-Chloronaphthalene	--	--	--	--	--	--	--	696 U
4-Bromophenyl-phenylether	--	--	--	--	--	--	--	696 U
4-Chlorophenyl-phenylether	--	--	--	--	--	--	--	696 U
Azobenzene	--	--	--	--	--	--	--	--
Benzidine	--	--	--	--	--	--	--	--
bis(2-Chloroethoxy)methane	--	--	--	--	--	--	--	696 U
bis(2-Chloroethyl)ether	--	--	--	--	--	--	--	696 U
bis(2-Chloroisopropyl)ether	--	--	--	--	--	--	--	696 U
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	**1340**
Butylbenzylphthalate	--	--	--	--	--	--	--	696 U
Diethylphthalate	--	--	--	--	--	--	--	696 U
Dimethylphthalate	--	--	--	--	--	--	--	696 U
Di-n-butylphthalate	--	--	--	--	--	--	--	696 U

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	2.5	2.5	2.5	2.5	2.5	2.5	2.5	3
Y Coord:	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13836160.5	13834261.95
X Coord:	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201710.465	3201381.078
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	2.5-7/17/2002-TCEQ	2.5-32/5/2003-TCEQ	2.5-4/23/2003-TCEQ	2.5-7/17/2003-TCEQ	2.5-4/14/2004-TCEQ	2.5-7/1/2004-TCEQ	2.5-4/27/2005-TCEQ	3-8/12/2003-EPA/TCEQ
Sample Date:	7/17/02	2/5/03	4/23/03	7/17/03	4/14/04	7/1/04	4/27/05	8/12/03
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	--	--	--	--	--	--	--	696 U
Hexachlorobenzene	--	--	--	--	--	--	--	**7120**
Hexachlorobutadiene	--	--	--	--	--	--	--	**5580**
Hexachloroethane	--	--	--	--	--	--	--	696 U
VOCs (µg/kg)								
1,1,1-Trichloroethane	--	--	--	--	--	--	--	95.9 U
1,1,2,2-Tetrachloroethane	--	--	--	--	--	--	--	95.9 U
1,2-Dichlorobenzene	--	--	--	--	--	--	--	95.9 U
1,3-Dichlorobenzene	--	--	--	--	--	--	--	**716**
1,4-Dichlorobenzene	--	--	--	--	--	--	--	95.9 U
2-Butanone (MEK)	--	--	--	--	--	--	--	240 U
4-Isopropyltoluene	--	--	--	--	--	--	--	--
Acrylonitrile	--	--	--	--	--	--	--	--
Benzene	--	--	--	--	--	--	--	95.9 U
Carbon disulfide	--	--	--	--	--	--	--	95.9 U
Chlorobenzene	--	--	--	--	--	--	--	95.9 U
Ethylbenzene	--	--	--	--	--	--	--	95.9 U
Isopropylbenzene	--	--	--	--	--	--	--	95.9 U
n-Butylbenzene	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--
Toluene	--	--	--	--	--	--	--	95.9 U
Total xylene	--	--	--	--	--	--	--	--

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	3	7	4A	4A	6A	6A	R	T
Y Coord:	13834261.95	13828220.99	13833153.34	13833153.34	13831418.4	13831418.4	13828577.09	13832101.31
X Coord:	3201381.078	3201270.954	3201713.102	3201713.102	3201362.078	3201362.078	3201094.46	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	3-8/31/2006-TCEQ	7-8/12/2003-EPA/TCEQ	4A-8/12/2003-EPA/TCEQ	4A-8/31/2006-TCEQ	6A-8/12/2003-EPA/TCEQ	6A-8/31/2006-TCEQ	R-8/12/2003-EPA/TCEQ	T-12/16/2002-TCEQ
Sample Date:	8/31/06	8/12/03	8/12/03	8/31/06	8/12/03	8/31/06	8/12/03	12/16/02
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
Conventionals (mg/kg)								
Ammonia	--	--	--	--	--	--	--	--
Diox/Fur (ng/kg)								
1,2,3,4,6,7,8-HpCDD	--	--	--	--	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--	--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--	--	--	--	--
2,3,7,8-TCDD	--	--	--	--	--	--	--	--
2,3,7,8-TCDF	--	--	--	--	--	--	--	--
OCDD	--	--	--	--	--	--	--	--
OCDF	--	--	--	--	--	--	--	--
Metals (mg/kg)								
Arsenic	11.6 U	--	--	11.5 U	--	6.61 U	--	**6.27**
Barium	**871**	--	--	**340**	--	**621**	--	**294**
Cadmium	1.59 U	--	--	1.57 U	--	0.901 U	--	**0.96**
Chromium	**237**	--	--	**148**	--	**41.3**	--	**155**
Copper	**133**	--	--	**63.5**	--	**36.9**	--	**63.7**
Iron	**18500**	--	--	**16800**	--	**10700**	--	--
Lead	**498**	--	--	**58.8**	--	**23.3**	--	**45.5**
Mercury	**159**	--	--	**91.9**	--	**0.538**	--	**4.19**
Nickel	**115**	--	--	**44.4**	--	**15.5**	--	**27.2**
Selenium	**0.367**	--	--	**0.622**	--	**0.202**	--	--
Silver	**1.43**	--	--	**1.36**	--	**0.695**	--	**1.57**
Zinc	**364**	--	--	**429**	--	**191**	--	**391**
PAHs (µg/kg)								
2-Methylnaphthalene	--	229 U	436 U	--	**1220**	--	221 U	--
Acenaphthene	**12500**	229 U	436 U	4610 U	**1670**	2390 U	221 U	--
Acenaphthylene	**6270**	229 U	**586**	4610 U	**3180**	2390 U	221 U	--
Anthracene	**8830**	229 U	436 U	4610 U	**2330**	2390 U	**258**	--
Benzo(a)anthracene	4120 U	572 U	1090 U	4610 U	**1130**	2390 U	**1960**	--
Benzo(a)pyrene	4120 U	572 U	**1210**	4610 U	**1000 J**	2390 U	**2210**	--
Benzo(b)fluoranthene	4120 U	572 U	**1100**	4610 U	**928 J**	2390 U	**2630**	--

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	3	7	4A	4A	6A	6A	R	T
Y Coord:	13834261.95	13828220.99	13833153.34	13833153.34	13831418.4	13831418.4	13828577.09	13832101.31
X Coord:	3201381.078	3201270.954	3201713.102	3201713.102	3201362.078	3201362.078	3201094.46	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	3-8/31/2006-TCEQ	7-8/12/2003-EPA/TCEQ	4A-8/12/2003-EPA/TCEQ	4A-8/31/2006-TCEQ	6A-8/12/2003-EPA/TCEQ	6A-8/31/2006-TCEQ	R-8/12/2003-EPA/TCEQ	T-12/16/2002-TCEQ
Sample Date:	8/31/06	8/12/03	8/12/03	8/31/06	8/12/03	8/31/06	8/12/03	12/16/02
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
Benzo(e)pyrene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	4120 U	572 U	**1700**	4610 U	639 U	2390 U	**1140**	--
Benzo(k)fluoranthene	4120 U	572 U	1090 U	4610 U	**720 J**	2390 U	**2280**	--
C1-Chrysenes	4120 U	--	--	4610 U	--	2390 U	--	--
C1-Fluoranthene/Pyrene	--	--	--	--	--	--	--	--
C1-Fluorenes	--	--	--	--	--	--	--	--
C1-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
C2-Chrysenes	--	--	--	--	--	--	--	--
C2-Fluorenes	--	--	--	--	--	--	--	--
C2-Naphthalenes	--	--	--	--	--	--	--	--
C2-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
C3-Chrysenes	--	--	--	--	--	--	--	--
C3-Fluorenes	--	--	--	--	--	--	--	--
C3-Naphthalenes	--	--	--	--	--	--	--	--
C3-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
C4-Chrysenes	--	--	--	--	--	--	--	--
C4-Naphthalenes	--	--	--	--	--	--	--	--
C4-Phenanthrenes/Anthracenes	--	--	--	--	--	--	--	--
Chrysene	**2640 J**	572 U	**1190**	4610 U	**1350**	**685 J**	**2660**	--
Dibenzo(a,h)anthracene	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
Fluoranthene	**8090**	229 U	**2690**	**5230**	**2490**	**1300 J**	**4520**	--
Fluorene	**11200**	229 U	436 U	4610 U	**1700**	2390 U	221 U	--
Indeno(1,2,3-cd)pyrene	4120 U	572 U	1090 U	4610 U	639 U	2390 U	**1220**	--
Naphthalene	**10300**	--	--	4610 U	--	2390 U	--	--
Perylene	--	--	--	--	--	--	--	--
Phenanthrene	**34300**	229 U	**616**	4610 U	**5520**	**407 J**	**2160**	--
Pyrene	**17400**	229 U	**7100**	**13200**	**5520**	**1250 J**	**4730**	--
Total HPAH 16 standard (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total LPAH 16 standard (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total PAH 16 standard (U=1/2; max ND)	--	--	--	--	--	--	--	--
PCB Congeners (ng/kg)								
PCB-077	--	--	--	--	--	--	--	--
PCB-081	--	--	--	--	--	--	--	--
PCB-105	--	--	--	--	--	--	--	--
PCB-114	--	--	--	--	--	--	--	--
PCB-118	--	--	--	--	--	--	--	--
PCB-123	--	--	--	--	--	--	--	--
PCB-126	--	--	--	--	--	--	--	--
PCB-156/157	--	--	--	--	--	--	--	--
PCB-167	--	--	--	--	--	--	--	--
PCB-169	--	--	--	--	--	--	--	--

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	3	7	4A	4A	6A	6A	R	T
Y Coord:	13834261.95	13828220.99	13833153.34	13833153.34	13831418.4	13831418.4	13828577.09	13832101.31
X Coord:	3201381.078	3201270.954	3201713.102	3201713.102	3201362.078	3201362.078	3201094.46	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	3-8/31/2006-TCEQ	7-8/12/2003-EPA/TCEQ	4A-8/12/2003-EPA/TCEQ	4A-8/31/2006-TCEQ	6A-8/12/2003-EPA/TCEQ	6A-8/31/2006-TCEQ	R-8/12/2003-EPA/TCEQ	T-12/16/2002-TCEQ
Sample Date:	8/31/06	8/12/03	8/12/03	8/31/06	8/12/03	8/31/06	8/12/03	12/16/02
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
PCB-189	--	--	--	--	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	--	--	--	--	--	--	--	--
PCBs Aroclors (µg/kg)								
Aroclor 1248	**17000**	**1980**	**34600**	**150000**	**10900**	**7700**	**1040**	--
Aroclor 1254	620 U	457 U	3270 U	1400 U	1590 U	360 U	225 U	--
Aroclor 1260	620 U	457 U	3270 U	690 U	1590 U	360 U	225 U	--
Total PCB (U=1/2; max ND)	**37720**	--	--	**306980**	--	**17560**	--	--
Pesticides (µg/kg)								
4,4'-DDD	61.6 U	22.9 U	**53.7**	69.1 U	**31.2**	35.9 U	22.5 U	--
4,4'-DDE	61.6 U	22.9 U	43.5 U	69.1 U	26.4 U	35.9 U	22.5 U	--
4,4'-DDT	123 U	22.9 U	43.5 U	138 U	**1990**	71.9 U	22.5 U	--
Aldrin	61.6 U	11.4 U	21.8 U	69.1 U	13.2 U	35.9 U	11.3 U	--
alpha-Chlordane	--	11.4 U	21.8 U	--	13.2 U	--	11.3 U	--
Endosulfan I	61.6 U	22.9 U	43.5 U	69.1 U	26.4 U	35.9 U	22.5 U	--
Endosulfan II	61.6 U	22.9 U	43.5 U	69.1 U	26.4 U	35.9 U	22.5 U	--
Endrin	61.6 U	22.9 U	43.5 U	69.1 U	26.4 U	35.9 U	22.5 U	--
gamma-BHC (Lindane)	61.6 U	11.4 U	21.8 U	69.1 U	13.2 U	35.9 U	11.3 U	--
gamma-Chlordane	--	11.4 U	21.8 U	--	13.2 U	--	11.3 U	--
Heptachlor Epoxide	61.6 U	11.4 U	21.8 U	69.1 U	13.2 U	35.9 U	11.3 U	--
Methoxychlor	61.6 U	22.9 U	43.5 U	69.1 U	26.4 U	35.9 U	22.5 U	--
Sum DDD (U=1/2; max ND)	61.6 U	--	--	69.1 U	--	35.9 U	--	--
Sum DDE (U=1/2; max ND)	61.6 U	--	--	69.1 U	--	35.9 U	--	--
Sum DDT (U=1/2; max ND)	123 U	--	--	138 U	--	71.9 U	--	--
Total Chlordane (alpha and gamma) (U=1/2; max ND)	--	--	--	--	--	--	--	--
Total DDT (U=1/2; max ND)	123 U	--	--	138 U	--	71.9 U	--	--
SVOCs (µg/kg)								
2,4-Dinitrotoluene	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
2,6-Dinitrotoluene	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
2-Chloronaphthalene	--	572 U	1090 U	--	639 U	--	553 U	--
4-Bromophenyl-phenylether	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
4-Chlorophenyl-phenylether	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
Azobenzene	--	--	--	--	--	--	--	--
Benzidine	16500 U	--	--	18400 U	--	9580 U	--	--
bis(2-Chloroethoxy)methane	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
bis(2-Chloroethyl)ether	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
bis(2-Chloroisopropyl)ether	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
bis(2-Ethylhexyl)phthalate	4120 U	**13400**	**1500**	4610 U	**1860**	2390 U	553 U	--
Butylbenzylphthalate	4120 U	**7430**	1090 U	4610 U	639 U	2390 U	553 U	--
Diethylphthalate	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
Dimethylphthalate	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
Di-n-butylphthalate	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	3	7	4A	4A	6A	6A	R	T
Y Coord:	13834261.95	13828220.99	13833153.34	13833153.34	13831418.4	13831418.4	13828577.09	13832101.31
X Coord:	3201381.078	3201270.954	3201713.102	3201713.102	3201362.078	3201362.078	3201094.46	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	3-8/31/2006-TCEQ	7-8/12/2003-EPA/TCEQ	4A-8/12/2003-EPA/TCEQ	4A-8/31/2006-TCEQ	6A-8/12/2003-EPA/TCEQ	6A-8/31/2006-TCEQ	R-8/12/2003-EPA/TCEQ	T-12/16/2002-TCEQ
Sample Date:	8/31/06	8/12/03	8/12/03	8/31/06	8/12/03	8/31/06	8/12/03	12/16/02
Sample Type:	N	N	N	N	N	N	N	N
Matrix:	SE	SE	SE	SE	SE	SE	SE	SE
Di-n-octylphthalate	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
Hexachlorobenzene	**1600**	572 U	1090 U	**2090**	639 U	**50.3**	553 U	--
Hexachlorobutadiene	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
Hexachloroethane	4120 U	572 U	1090 U	4610 U	639 U	2390 U	553 U	--
VOCs (µg/kg)								
1,1,1-Trichloroethane	12.6 U	92.9 U	100 U	13.6 U	98.4 U	7.1 U	94.9 U	--
1,1,2,2-Tetrachloroethane	12.6 U	92.9 U	100 U	13.6 U	98.4 U	7.1 U	94.9 U	--
1,2-Dichlorobenzene	4120 U	92.9 U	100 U	4610 U	98.4 U	2390 U	94.9 U	--
1,3-Dichlorobenzene	**4630**	92.9 U	100 U	4610 U	98.4 U	2390 U	94.9 U	--
1,4-Dichlorobenzene	**4320**	92.9 U	100 U	4610 U	98.4 U	2390 U	94.9 U	--
2-Butanone (MEK)	50.3 U	232 U	250 U	54.5 U	246 U	28.5 U	237 U	--
4-Isopropyltoluene	--	--	--	--	--	--	--	--
Acrylonitrile	126 U	--	--	136 U	--	71.3 U	--	--
Benzene	**156**	92.9 U	100 U	13.6 U	98.4 U	7.1 U	94.9 U	--
Carbon disulfide	--	92.9 U	100 U	--	98.4 U	--	94.9 U	--
Chlorobenzene	**125**	92.9 U	100 U	13.6 U	98.4 U	7.1 U	94.9 U	--
Ethylbenzene	**3700**	92.9 U	100 U	13.6 U	98.4 U	7.1 U	**1330**	--
Isopropylbenzene	--	92.9 U	100 U	--	**1760**	--	94.9 U	--
n-Butylbenzene	--	--	--	--	--	--	--	--
n-Propylbenzene	--	--	--	--	--	--	--	--
sec-Butylbenzene	--	--	--	--	--	--	--	--
tert-Butylbenzene	--	--	--	--	--	--	--	--
Toluene	**228**	92.9 U	100 U	13.6 U	98.4 U	**4.2 J**	94.9 U	--
Total xylene	**918**	--	--	27.2 U	--	14.3 U	--	--

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	T	T	T	T
Y Coord:	13832101.31	13832101.31	13832101.31	13832101.31
X Coord:	3201609.231	3201609.231	3201609.231	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	T-2/19/2003-TCEQ	T-4/17/2003-TCEQ	T-5/11/2004-TCEQ	T-8/31/2006-TCEQ
Sample Date:	2/19/03	4/17/03	5/11/04	8/31/06
Sample Type:	N	N	N	N
Matrix:	SE	SE	SE	SE
Conventionals (mg/kg)				
Ammonia	--	--	--	--
Diox/Fur (ng/kg)				
1,2,3,4,6,7,8-HpCDD	--	--	--	--
1,2,3,4,6,7,8-HpCDF	--	--	--	--
1,2,3,4,7,8,9-HpCDF	--	--	--	--
1,2,3,4,7,8-HxCDD	--	--	--	--
1,2,3,4,7,8-HxCDF	--	--	--	--
1,2,3,6,7,8-HxCDD	--	--	--	--
1,2,3,6,7,8-HxCDF	--	--	--	--
1,2,3,7,8,9-HxCDD	--	--	--	--
1,2,3,7,8,9-HxCDF	--	--	--	--
1,2,3,7,8-PeCDD	--	--	--	--
1,2,3,7,8-PeCDF	--	--	--	--
2,3,4,6,7,8-HxCDF	--	--	--	--
2,3,4,7,8-PeCDF	--	--	--	--
2,3,7,8-TCDD	--	--	--	--
2,3,7,8-TCDF	--	--	--	--
OCDD	--	--	--	--
OCDF	--	--	--	--
Metals (mg/kg)				
Arsenic	**4.9**	**7.69**	**2**	6.08 U
Barium	**313**	**142**	**87.1**	**178**
Cadmium	**0.41**	**1.1**	**0.07 J**	0.829 U
Chromium	**53.7**	**24.3**	**10.5**	**30.9**
Copper	**41.5**	**64.9**	**5.02**	**32.5**
Iron	--	**22600**	**9970**	**6480**
Lead	**24.9**	**89**	**10.7**	**18.8**
Mercury	**2.74**	**0.438**	**0.09 J**	**1.03**
Nickel	**19**	**13.8**	**9.33**	**13.1**
Selenium	--	**0.186**	1.37 U	**0.296**
Silver	**0.579**	0.354 U	**0.07 J**	**0.703**
Zinc	**257**	**411**	**31.5**	**207**
PAHs (µg/kg)				
2-Methylnaphthalene	--	--	--	--
Acenaphthene	--	--	--	2360 U
Acenaphthylene	--	--	--	2360 U
Anthracene	--	--	--	2360 U
Benzo(a)anthracene	--	--	--	**524 J**
Benzo(a)pyrene	--	--	--	2360 U
Benzo(b)fluoranthene	--	--	--	2360 U

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	T	T	T	T
Y Coord:	13832101.31	13832101.31	13832101.31	13832101.31
X Coord:	3201609.231	3201609.231	3201609.231	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	T-2/19/2003-TCEQ	T-4/17/2003-TCEQ	T-5/11/2004-TCEQ	T-8/31/2006-TCEQ
Sample Date:	2/19/03	4/17/03	5/11/04	8/31/06
Sample Type:	N	N	N	N
Matrix:	SE	SE	SE	SE
Benzo(e)pyrene	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	2360 U
Benzo(k)fluoranthene	--	--	--	2360 U
C1-Chrysenes	--	--	--	2360 U
C1-Fluoranthene/Pyrene	--	--	--	--
C1-Fluorenes	--	--	--	--
C1-Phenanthrenes/Anthracenes	--	--	--	--
C2-Chrysenes	--	--	--	--
C2-Fluorenes	--	--	--	--
C2-Naphthalenes	--	--	--	--
C2-Phenanthrenes/Anthracenes	--	--	--	--
C3-Chrysenes	--	--	--	--
C3-Fluorenes	--	--	--	--
C3-Naphthalenes	--	--	--	--
C3-Phenanthrenes/Anthracenes	--	--	--	--
C4-Chrysenes	--	--	--	--
C4-Naphthalenes	--	--	--	--
C4-Phenanthrenes/Anthracenes	--	--	--	--
Chrysene	--	--	--	**689 J**
Dibenzo(a,h)anthracene	--	--	--	2360 U
Fluoranthene	--	--	--	**1150 J**
Fluorene	--	--	--	2360 U
Indeno(1,2,3-cd)pyrene	--	--	--	2360 U
Naphthalene	--	--	--	2360 U
Perylene	--	--	--	--
Phenanthrene	--	--	--	**335 J**
Pyrene	--	--	--	**940 J**
Total HPAH 16 standard (U=1/2; max ND)	--	--	--	--
Total LPAH 16 standard (U=1/2; max ND)	--	--	--	--
Total PAH 16 standard (U=1/2; max ND)	--	--	--	--
PCB Congeners (ng/kg)				
PCB-077	--	--	--	--
PCB-081	--	--	--	--
PCB-105	--	--	--	--
PCB-114	--	--	--	--
PCB-118	--	--	--	--
PCB-123	--	--	--	--
PCB-126	--	--	--	--
PCB-156/157	--	--	--	--
PCB-167	--	--	--	--
PCB-169	--	--	--	--

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	T	T	T	T
Y Coord:	13832101.31	13832101.31	13832101.31	13832101.31
X Coord:	3201609.231	3201609.231	3201609.231	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	T-2/19/2003-TCEQ	T-4/17/2003-TCEQ	T-5/11/2004-TCEQ	T-8/31/2006-TCEQ
Sample Date:	2/19/03	4/17/03	5/11/04	8/31/06
Sample Type:	N	N	N	N
Matrix:	SE	SE	SE	SE
PCB-189	--	--	--	--
Total PCB Congeners (U=1/2; max ND)	--	--	--	--
PCBs Aroclors (µg/kg)				
Aroclor 1248	--	--	--	**2100**
Aroclor 1254	--	--	--	350 U
Aroclor 1260	--	--	--	350 U
Total PCB (U=1/2; max ND)	--	--	--	**6300**
Pesticides (µg/kg)				
4,4'-DDD	--	--	--	35.4 U
4,4'-DDE	--	--	--	35.4 U
4,4'-DDT	--	--	--	70.9 U
Aldrin	--	--	--	35.4 U
alpha-Chlordane	--	--	--	--
Endosulfan I	--	--	--	35.4 U
Endosulfan II	--	--	--	35.4 U
Endrin	--	--	--	35.4 U
gamma-BHC (Lindane)	--	--	--	35.4 U
gamma-Chlordane	--	--	--	--
Heptachlor Epoxide	--	--	--	35.4 U
Methoxychlor	--	--	--	35.4 U
Sum DDD (U=1/2; max ND)	--	--	--	35.4 U
Sum DDE (U=1/2; max ND)	--	--	--	35.4 U
Sum DDT (U=1/2; max ND)	--	--	--	70.9 U
Total Chlordane (alpha and gamma) (U=1/2; max ND)	--	--	--	--
Total DDT (U=1/2; max ND)	--	--	--	70.9 U
SVOCs (µg/kg)				
2,4-Dinitrotoluene	--	--	--	2360 U
2,6-Dinitrotoluene	--	--	--	2360 U
2-Chloronaphthalene	--	--	--	--
4-Bromophenyl-phenylether	--	--	--	2360 U
4-Chlorophenyl-phenylether	--	--	--	2360 U
Azobenzene	--	--	--	--
Benzidine	--	--	--	9440 U
bis(2-Chloroethoxy)methane	--	--	--	2360 U
bis(2-Chloroethyl)ether	--	--	--	2360 U
bis(2-Chloroisopropyl)ether	--	--	--	2360 U
bis(2-Ethylhexyl)phthalate	--	--	--	2360 U
Butylbenzylphthalate	--	--	--	2360 U
Diethylphthalate	--	--	--	2360 U
Dimethylphthalate	--	--	--	2360 U
Di-n-butylphthalate	--	--	--	2360 U

Task:	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional	TCEQ Provisional
Location ID:	T	T	T	T
Y Coord:	13832101.31	13832101.31	13832101.31	13832101.31
X Coord:	3201609.231	3201609.231	3201609.231	3201609.231
Depth:	0 - 5 cm	0 - 5 cm	0 - 5 cm	0 - 5 cm
Sample ID:	T-2/19/2003-TCEQ	T-4/17/2003-TCEQ	T-5/11/2004-TCEQ	T-8/31/2006-TCEQ
Sample Date:	2/19/03	4/17/03	5/11/04	8/31/06
Sample Type:	N	N	N	N
Matrix:	SE	SE	SE	SE
Di-n-octylphthalate	--	--	--	2360 U
Hexachlorobenzene	--	--	--	**2230**
Hexachlorobutadiene	--	--	--	2360 U
Hexachloroethane	--	--	--	2360 U
VOCs (µg/kg)				
1,1,1-Trichloroethane	--	--	--	7.2 U
1,1,2,2-Tetrachloroethane	--	--	--	7.2 U
1,2-Dichlorobenzene	--	--	--	2360 U
1,3-Dichlorobenzene	--	--	--	2360 U
1,4-Dichlorobenzene	--	--	--	2360 U
2-Butanone (MEK)	--	--	--	28.8 U
4-Isopropyltoluene	--	--	--	--
Acrylonitrile	--	--	--	72.1 U
Benzene	--	--	--	7.2 U
Carbon disulfide	--	--	--	--
Chlorobenzene	--	--	--	7.2 U
Ethylbenzene	--	--	--	7.2 U
Isopropylbenzene	--	--	--	--
n-Butylbenzene	--	--	--	--
n-Propylbenzene	--	--	--	--
sec-Butylbenzene	--	--	--	--
tert-Butylbenzene	--	--	--	--
Toluene	--	--	--	7.2 U
Total xylene	--	--	--	14.4 U

Notes:

Bold = Detected result

J = Estimated value

U = Compound analyzed, but not detected above detection limit

UJ = Compound analyzed, but not detected above estimated detection limit

R = Rejected

ATTACHMENT E

AGREEMENTS AND ACTION ITEMS TECHNICAL MEMORANDUM DATED JULY 16, 2008

PROJECT NAVIGATOR, LTD.

Managing Strategies Into Tactical Action

Technical Memo
Patrick Bayou Superfund Site

To: **Patrick Bayou Joint Defense Group (JDG)**
EPA, TCEQ, Federal and State Trustees
From: **Bob Piniewski – JDG Project Coordinator**
Date: **July 28, 2008**
RE: **Agreements and Action Items**
July 16, 2008 Meeting

The purpose of this Technical Memorandum is to document Agreements and Action Items from the July 16, 2008 meeting held in Austin, TX.

Attendees included:

Name	Representing	Phone Number	e-mail
Philip Allen	USEPA	(214) 665-8516	allen.philip@epa.gov
Phil Turner	USEPA	(214) 665-2706	turner.philip@epa.gov
Joe Bell	TCEQ	(512) 239-6753	jbell@tceq.state.tx.us
Vickie Reat	TCEQ	(512) 239-6873	vreat@tceq.state.tx.us
Richard Seiler	TCEQ	(512) 239-2523	rseiler@tceq.state.tx.us
Linda Broach	TCEQ	(713) 767-3579	lbroach@tceq.state.tx.us
Keith Tischler	GLO	(512) 463-6287	keith.tischler@glo.state.tx.us
Tammy Ash	USFWS	(361) 994-9005	tammy_ash@fsw.gov
Barry Forsythe	USFWS	(214) 665-8467	forsythe.barry@epa.gov
Louis Brzuzy	SHELL	(713) 241-1506	louis.brzuzy@shell.com
Bob Piniewski	Project Navigator	(919) 539-1928	bobp@projectnavigator.com
David Keith	ANCHOR	(228) 818-9626	dkeith@anchorenv.com
Jason Kase	ANCHOR	(228) 818-9629	jkase@anchorenv.com
Patrick Gobb	NEWFIELDS	(972) 956-9100	pgobb@newfields.com

Action Items

1. Tentatively identified compounds (TIC)
    a. TCEQ
        1. Provide the JDG and consultants a list of TIC for the Site that they are concerned with based upon the results of analyses performed on samples collected in 2003 as part of the split-sampling task performed between USEPA, TCEQ, and the Patrick Bayou TMDL group.
        2. Perform a literature review of the toxicological data for the TIC. Results will be provided to the JDG and consultants.

2. Potential discrepancies in the bulk sediment and bioassay data sets
    a. JDG/Consultants
        1. Provide TCEQ with a list of samples included in the COPC and their selection basis in the COPC Memo to address a potential discrepancy in the number of samples included in the analyses. TCEQ believes that the analyses are short of the number of samples that should be included.
    b. TCEQ
        1. Provide the JDG and consultants with 1) bulk sediment chemistry and bioassay results from split samples collected in conjunction with USEPA and the Patrick Bayou TMDL in 2003 and 2) bulk sediment chemistry results of samples collected at the Site by TCEQ subsequent to the 2003 TMDL sampling effort
        2. Provide results of their assessment of the comparison of the 75th percentile sediment chemistry results between toxic and non-toxic bioassay samples using the data set that they believe includes all relevant samples.

3. Threatened & Endangered Species
    a. JDG/Consultants
        1. Provide USFWS a list of State and Federal threatened, endangered, and rare species that may potentially occur in Harris County for their review and assessment of the potential occurrence at the

Site; primarily to confirm the agreement in principle that the Brown Pelican is the only potentially occurring listed species at the Site that should be assessed quantitatively (using a representative surrogate species) in the selection of COPC.

b. USFWS
    1. Confirm agreement in principle to assessing only the Brown Pelican as a listed species for the Site

4. Whole body conversion factor for fillet tissue data in Calcasieu BERA
    a. JDG/Consultants
        1. Provide TCEQ with a copy of the source document (Bevelheimer, et al 1997) for the proposed conversion factors for their review.

5. Training for trustees on probabilistic risk assessment principles and methods
    a. USEPA
        1. Look into the possibility of setting up a training workshop prior to submittal of the ERA Work Plan

6. Complete review by agencies of draft response to comments
    a. TCEQ
        1. Will continue to review draft response to comments and provide a more detailed review and comments. [No date was determined for these additional comments, but TCEQ should consider JDG timeframe of Sept. 1 for its Response To Comments].

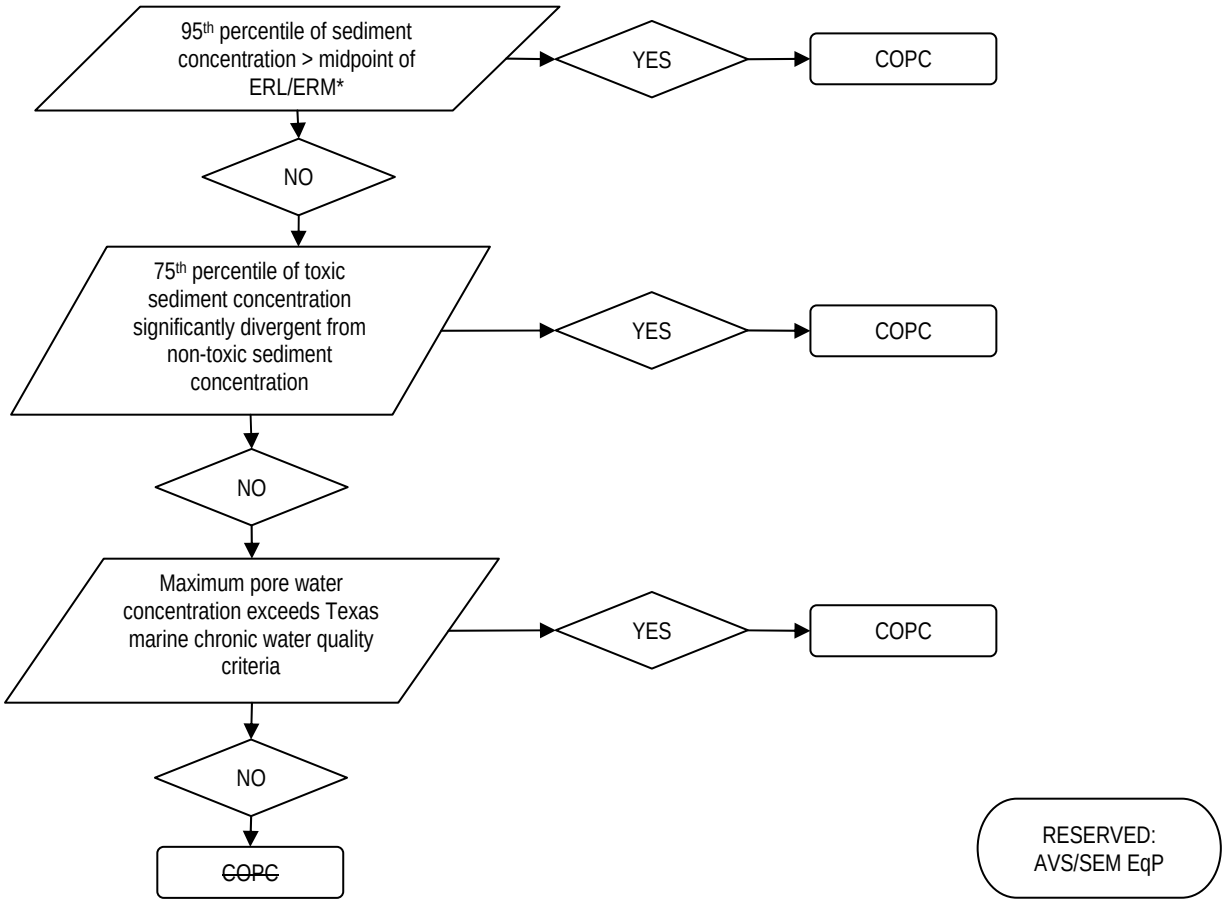
Agreements

Agreement #1

Response to comments and status of final document – Agencies and consultants agreed (pending approval by the JDG) that the JDG would submit a draft final response to comments document. This document would include the agreed and/or proposed responses to all agency comments. Rather than revising and submitting a final version of the memo, a technical memorandum would be provided by the JDG describing and summarizing any updated or additional analyses performed as part of the agreed response to comment or action items above

Agreement #2

Lines of evidence and weighting framework for identification of COPC for sediment toxicity (e.g. benthic invertebrate and fish receptor groups) was reviewed and modified as follows:



* Assumed to also include SQG derived from other sources (i.e. TEL, PEL, EqP) and promulgated as primary TCEQ benchmarks and secondary effects levels

Agreement #3

Wildlife exposure assessment -- Exposure assessment for selection of COPC would include an incidental ingestion component for appropriate receptors (i.e. sandpiper, raccoon, mink, otter). For non-bioaccumulative chemicals, exposure assessment through incidental ingestion would be performed for detected chemicals exceeding the TCEQ primary benchmark.

Agreement #4
Updated COPC list -- An updated COPC list would be provided in the response to comments/tech memorandum based on agreements #2 and #3 as well as the proposed draft response to comments (contingent upon final agency acceptance) and action items (e.g. discrepancies in the bulk sediment and bioassay data sets) agreed to during the meeting.

Agreement #5
Biogenic Zone -- Additional investigation to identify the mixing zone / biologically active zone should be performed as part of the ecological risk assessment.

Agreement #6
COPC status and evaluation in the ERA--Any chemical identified as a COPC would be quantitatively assessed in the ERA. Chemicals identified as 'Uncertain' would be included in ERA Sampling and Analysis Plans (SAP) in future submittals. This data would be used to reassess their continued/discontinued status as COPC in the ERA. A process for evaluating their status as COPC will be proposed by the JDG as part of the ERA Work Plan

Agreement #7
Future deliverables – The agencies expressed their desire to receive deliverables based on specific tasks in order to provide more timely responses. This agreement is pending the JDG's input and approval.

Agreement #8
Sediment transport modeling agency review--The USEPA has brought Earl Hayter (USACE) on board to assist in evaluation of the sediment transport model.

Agreement #9
Schedule

1) Action Items and Agreements for agency review: ASAP
2) Further comments, if any, from regulatory team on draft response to comments: No later than August 8, 2008
3) Revised response to comments, technical memorandum, and COCP list: September 1, 2008
4) Draft SAP for ERA:

a) High resolution vertical coring, refined spatial characterization of surface sediment, and surface water characterization: September 1, 2008
b) Habitat assessment: September 15, 2008 (tentative)
c) Tissue sampling: September 15, 2008 (tentative)

5) Meetings
a) Technical team meeting: September 23 or 24th, 2008 in Austin, TX.

Miscellaneous:

- USEPA (Phil Allen) expressed again their desire to come to an agreement on the COCP list so field investigations can be conducted this fall rather than deferring field work until next calendar year.