Contaminated Monitoring Report for Seafood Harvested in 2004

from

the New Bedford Harbor Superfund Site

by

Massachusetts Department of Environmental Protection

and

Massachusetts Division of Marine Fisheries

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1. Introduction

This report documents the levels of PCBs (polychlorinated biphenyls) measured in edible seafood species caught in New Bedford Harbor and surrounding Buzzards Bay in southeastern Massachusetts in 2004. This seafood monitoring program is part of the ongoing PCB cleanup program for the New Bedford Harbor (NBH) Superfund Site, and was a collaborative effort involving the MA Department of Marine Fisheries (DMF), the MA Department of Environmental Protection, (MassDEP) and the U.S. Environmental Protection Agency - Region I (EPA).

Due to the identification of high PCB levels in area seafood, the MA Department of Public Health (MADPH) in 1979 promulgated regulations restricting seafood consumption in three closure areas in and around NBH as shown on Figure 1 (MADPH, 1979). NBH was subsequently listed as a Superfund site in 1983. Per the 1998 Record of Decision (ROD) (EPA, 1998) for the site, approximately 880,000 cubic yards (cy) of PCB-contaminated sediments and soils are to be removed. As of December 2004, 53,000 cy of the most highly PCB-contaminated sediments and shoreline soils have been remediated (including all pilot studies and hot spot dredging volumes). Each year about 20,000 cy to 25,000 cy of sediments are expected to be dredged at the typical $15 million per year funding rate. Consistent with the ROD, this seafood monitoring program will aid in the evaluation of the overall effectiveness of the harbor cleanup, as well as assist in the implementation of institutional controls and seafood restrictions.

2. Seafood Monitoring Program Design

Based on previous investigations and risk assessments performed for the NBH Site, a variety of species were selected for this monitoring program that are considered locally caught seafood; are generally available for field collection; and which bracket potential worse case tissue levels **(**MassDEP, 2002**)**. These species include lobster (*Homarus americanus*), blue crabs (*Callinectes sapidus*), quahog (i.e., hard shelled clam, *Mercenaria mercenaria*), alewife (*Alosa pseudoharengus*), American eel (*Anguilla rostrata*), black sea bass (*Centropristes striatus*), winter flounder (*Pseudopleuronectes americanus*), and scup (*Stenotomus chrysops).* The goal of this seafood monitoring program is to acquire annual collections of these species in sufficient numbers from all three closure areas to enable statistical comparisons between them, but with the understanding that some species may not necessarily be caught in sufficient numbers every year.

To meet this goal, the monitoring design calls for five composite samples for each species from each of the three closure areas. Based on previous site sampling experience, modifications have been made to the original sampling approach to account for the availability of samples in the field, as follows: blue crabs were substituted in location in Area 1 where lobsters were not found; eels were substituted for flounders in Areas 1 and 2. For lobster, blue crabs, black sea bass, American eel, and scup, each composite sample consists of three legally harvestable organisms. For quahog the composite sample consists of one dozen legally harvestable organisms. The number of composites was determined

according to Sokal and Rohlf (1995) using the coefficient of variation (c.v.) from the DMF's 1995 lobster sampling program in Area III (mean = 1.3 ppm, standard deviation = 0.28, c.v. = 22%). The significance level used was 5% and the probability that the significance will be found if it exists was set at 90%. Based on the known levels of PCBs in NBH seafood, there is a high likelihood of detecting PCB concentrations that are 50% different between each closure area.

In addition to comparing the results of this monitoring to past and future seafood monitoring results, the results of this seafood monitoring program will be compared to the current U.S. Food and Drug Administration's (FDA's) criteria for PCBs in commercial seafood of 2 parts per million (ppm). It was exceedances of the FDA criteria in NBH seafood, which prompted promulgation of the state's seafood closure areas in 1979 (the FDA criteria at that time was 5 ppm). In addition to comparisons to the current FDA level, and as explained in the 1998 ROD, EPA will compare the results of the seafood monitoring program to a site-specific threshold of 0.02 ppm PCBs. This 0.02 ppm PCB level was developed to ensure the protection of local residents and sport fishermen whose seafood consumption might include seafood caught mostly if not entirely from NBH.

3. 2004 Field Collection

The DMF field sampling program included the collection of quahog, lobster, eel, flounder, black sea bass, and scup. The 2004 Sampling Report is attached in Appendix C.

The collection of lobster and blue crabs using pots occurred in June and July (see Figures 2 and 3).

The collection of the quahogs were done pre-spawn in June and July (Figure 4), except for one post spawn sample location in September, using a rake from all three seafood closure areas. Five stations were located in each of the three closure areas that produced sufficient sample sizes consistent with the monitoring program design.

Eel were collected using pots in July (Figure 5). Summer and winter flounder were collected using pots in July and August (Figures 6 and 7). Black sea bass was harvested by rod and reel in August and October (Figure 8). Scup were collected using pots and rod and reel during July and August (Figure 9).

Despite considerable effort to collect species according to the monitoring program design, however, all species were not obtained in all three closure areas as originally planned. In summary: lobster were only found in Station E for Area I; blue crabs were substituted for lobster at Station A, B, C and D for Area I; black sea bass were only found at Station B and D for Area II and all Stations for Area III; scup were found in all stations in Area II and III; eel were found at all stations in Area I and only Station C in Area II; and winter and summer flounder were found only at Stations A and E in Area 2.

All samples were delivered frozen to the DEP Wall Experiment Station (WES) in Lawrence, MA in 2004. The samples were transfer in 2005 to Alpha Woods Hole Labs (Alpha) in Raynham, MA for analysis.

Complete collection information including the dates fished, identification information, species, station identification, latitude and longitude, and collection method are included on the Field Collection Forms in Appendix C. All samples were delivered frozen to Alpha Woods Hole Labs (Alpha) in Raynham, MA, for analysis.

4. Analytical Chemistry

The first step in the analytical process for shell fish samples was the compositing of like species (e.g. quahog and lobsters). For quahogs, twelve individual samples from each location were combined to form one composite sample per location. For lobster, three individual samples from each location were used to form composite samples. The tail and claw meat from each of the three animals were combined to form a tail and claw meat composite sample for the location, and the tomalley from each of the three animals was combined to form a separate tomalley composite sample for the location. The tail/claw meat composites were analyzed separately from the tomalley composites in order to quantify the PCB levels in the respective tissue types. A combined PCB level for the tail and claw meat combined with the tomalley was then calculated as follows:

$$\frac{[(\text{tail/claw PCB conc.} \times \text{tail/claw weight}) + (\text{tomalley PCB conc.} \times \text{tomalley weight})]}{(\text{tail/claw weight} + \text{tomalley weight})}$$

The seafood samples were analyzed for five PCB Aroclors and 136 PCB congeners by GC/MS-SIM (gas chromatography/mass spectrometry-selective ion monitoring) based on EPA Methods 680 and 8270C. Both the Aroclor and the congener approach were used to allow comparisons with previous site data of both types. The five Aroclors measured were Aroclors 1232, 1242, 1248, 1254 and 1260. The 136 congeners measured included the eighteen NOAA (National Oceanic and Atmospheric Administration) list congeners and the twelve WHO ‘98 (1998 World Health Organization) list of dioxin-like congeners. Two congeners, BZ #105 and #118, appear on both lists. The NOAA congener list was used by the MA DMF in its analysis of Area III lobsters from 1988 - 1998, while Aroclors had been used previous to this. The NOAA list typically represents approximately 45% of the total PCB in marine tissue (NOAA, 1993).

The congeners quantitated in this effort are listed in the New Bedford Harbor Superfund Site Quality Assurance Project Plan **(**MassDEP, 2004**).** The WHO ‘98 congeners were included to enable the evaluation of risks to human health due to the presence of any dioxin-like PCB congeners, if deemed necessary.

Tissue from the collected specimens was filleted, sub-sampled and/or composited as necessary for sample homogenization, extraction and analysis. For each group, approximately five grams of wet sample tissue was homogenized using a tissumizer.

Samples were then extracted using EPA method 3570 Microscale Solvent Extraction (MSE) techniques (spin extraction with acetone/methylene chloride in a sealed vessel).

The extract was then cleaned up to remove the lipid portion and separate the PCB analytes from the lipid. Following sample cleanup, extracts were dried and concentrated using either the Kuderna-Danish (K-D) or TurboVap method, brought up to final volume and analyzed. Extract cleanup was performed using Gel Permeation Chromatography (GPC) and Sulfuric Acid Cleanup. Silica Gel Cleanup was also employed as appropriate, based on the sample extracts.

Sample analysis using GC/MS-SIM allowed identification and quantitation of both congeners and Aroclors using selected PCB congeners from BZ1 to BZ209. The identification of the specific congeners was accomplished by comparing their mass spectra with the electron impact spectra of the calibration standards. Congener concentrations were determined using mean relative response factors from a multi-level calibration curve. Response factors for congeners were determined relative to internal standard technique. Aroclor identification was performed using pattern recognition from the GC/MS-SIM chromatogram and comparing responses of five discrete peaks unique to each Aroclor as shown in Appendix D. Aroclor concentrations were determined by calculating the concentration of each corresponding peak in the sample chromatogram and the five resulting concentrations are averaged to provide a final result for the sample. A multi-point curve was used for the individual congeners to demonstrate the linear range of the instrument. Continuing calibrations assured linearity remained for the duration of the analysis. A single point calibration was used for the Aroclors utilizing the congener calibration. Laboratory SOPs are available in the Quality Assurance Project Plan Revision 2 (MassDEP, 2004) and show further details on chromatographic conditions, quality control criteria, and other elements of the analysis. While lipid content was reported, the wet weight PCB concentrations reported herein are not lipid normalized.

The data validation summary for the laboratory analysis is presented in Appendix B.

5. Results and Discussion

PCBs are a group of similar organic molecules featuring a “figure-eight” structure of two bonded benzene rings with chlorine atoms attached at up to ten different attachment sites. Theoretically, up to 209 different PCB congeners (or molecular variations) are possible, yet only about 120 of these are found in the natural environment. Furthermore, NOAA has demonstrated that 18 specific congeners are the most pervasive and generally make up almost half of the PCB mass in marine tissues. In addition, WHO considers 12 specific dioxin-like congeners to present the greatest risk to human health. As noted above in section 4, two congeners, BZ #105 and BZ #118, are included in both the NOAA and the WHO congener sets.

Throughout their industrial use in the U.S., PCBs were sold under the Aroclor trade name. Aroclors are a mixture of congeners, and different Aroclor types consisting of

different congeners and chlorine levels were manufactured (e.g., Aroclor 1242 had 42% chlorine, and Aroclor 1260 had 60% chlorine). For this monitoring effort, both Aroclors and congeners (136 including the 28 congeners of the combined NOAA and WHO subsets) were measured to assist in the comparison with previous site data, as well as to further understand the similarities and differences of these two analytical approaches.

As with previous studies of sediments, water column, seafood, and air at the NBH Site, the current data set demonstrates a generally decreasing trend (north to south) of PCB levels in locally caught seafood. In other words, tissue PCB levels decrease proportionally with the distance from the primary source of PCBs to the upper harbor (the Aerovox facility). This trend is also noticeable in the individual results from Area I: the tissue samples taken closest to the main PCB source (the Aerovox factory) are the highest in PCBs (e.g., quahog site E1, eel site D1, and blue crab site A1). Also, the area averages for the quahog show a significant decrease in PCB concentration away from the source (Area I was 2.3 ppm, Area II was 0.28 ppm, and Area III was 0.056 ppm for the congeners, this trend also occurred for the Aroclors) see Table 4 and Figure 13. There was a drop in PCB concentrations away from the source for scup and lobster, see Tables 1 and 6 and Figures 10, 11, and 17. Figures 10 through 17 graphically summarize the current data, and Tables 1 through 6 tabulate the totals and averages of the congener and Aroclor sample results.

In the current data for lobster, crab, black sea bass, and scup, the PCB results indicate that the Aroclor approach greatly under-estimates the true total PCB concentration. For the lobster (meat), crab, and black sea bass, the congeners were detected but the Aroclors were not. Also, for the lobster tomalley and scup, the Aroclor concentrations were significantly less than the congener concentrations at about 10%.

For all Areas for quahog, there was good correlation between the Aroclor and congener-based approaches, see Table 4 and Figure 13.

For the six eel locations, a species with relatively high PCB levels (i.e., 22 to 132 ppm for congeners), the Aroclor data was about the same as the congener data, see Table 5 and Figure 14.

Winter and summer flounder were composited together for Station E-2 and show similar results for the congeners and Aroclors, see Table 6 and Figure 15.

Overall, the current data set indicate continued levels of PCBs in NBH area seafood above the 1998 ROD's site-specific goal of 0.02 ppm, as well as PCB levels above the FDA criteria of 2 ppm in all averages for Area 1 species (except in the one Area I location for lobster meat - but not in the tomalley). The highest PCB level reported for this data set was 133 ppm (congener basis) in eel in Area I Station D (the Aroclor value was 80 ppm), see Table 5.

It should be noted that these PCB levels do not apply to seafood caught by the Harbor's commercial fishing fleet, as this seafood is caught significantly further offshore

than the three PCB closure areas at the New Bedford Harbor Superfund Site. However, these results do indicate the need to continue the outreach program to inform and educate the local communities and recreational sport fishermen about the fishing bans. The current data also highlights the limitations of using the Aroclor analytical approach for monitoring locally harvested seafood.

Finally, in comparison to historic PCB monitoring of NBH area lobster dating to the mid 1980s, the current data set shows significantly decreased levels over time. This historic lobster PCB data can be found in the 2002 seafood monitoring report for the site ("Contaminated Monitoring Report for Seafood Harvested in 2002 from the New Bedford Harbor Superfund Site," available at www.epa.gov/ne/nbh under "Technical Documents"). Also, because this seafood sampling program has been on going since 2002, the previous years reports can be found at the EPA's web site.

6. References

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FIGURES

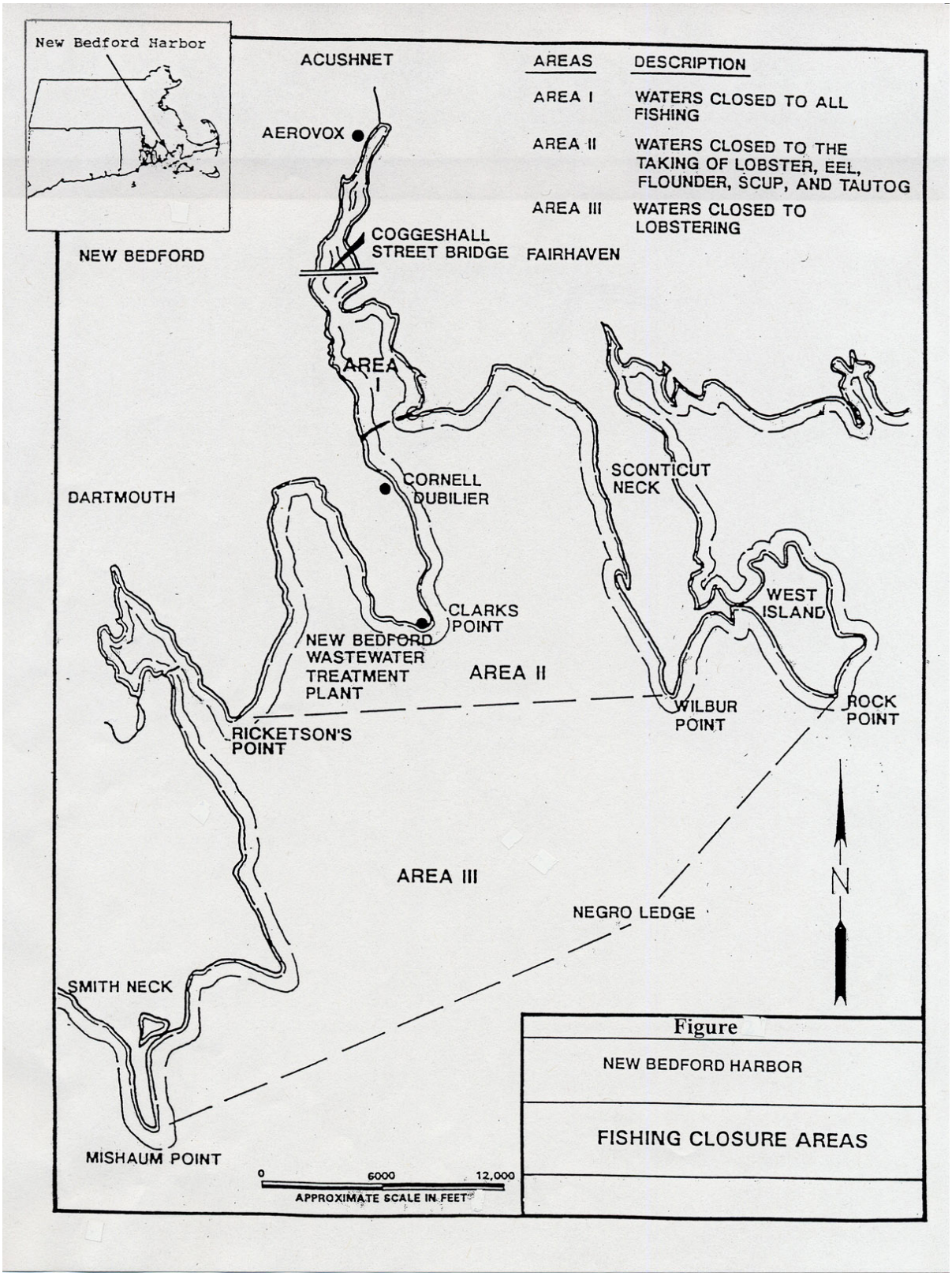


Figure 1 Fish Closure Areas I to III

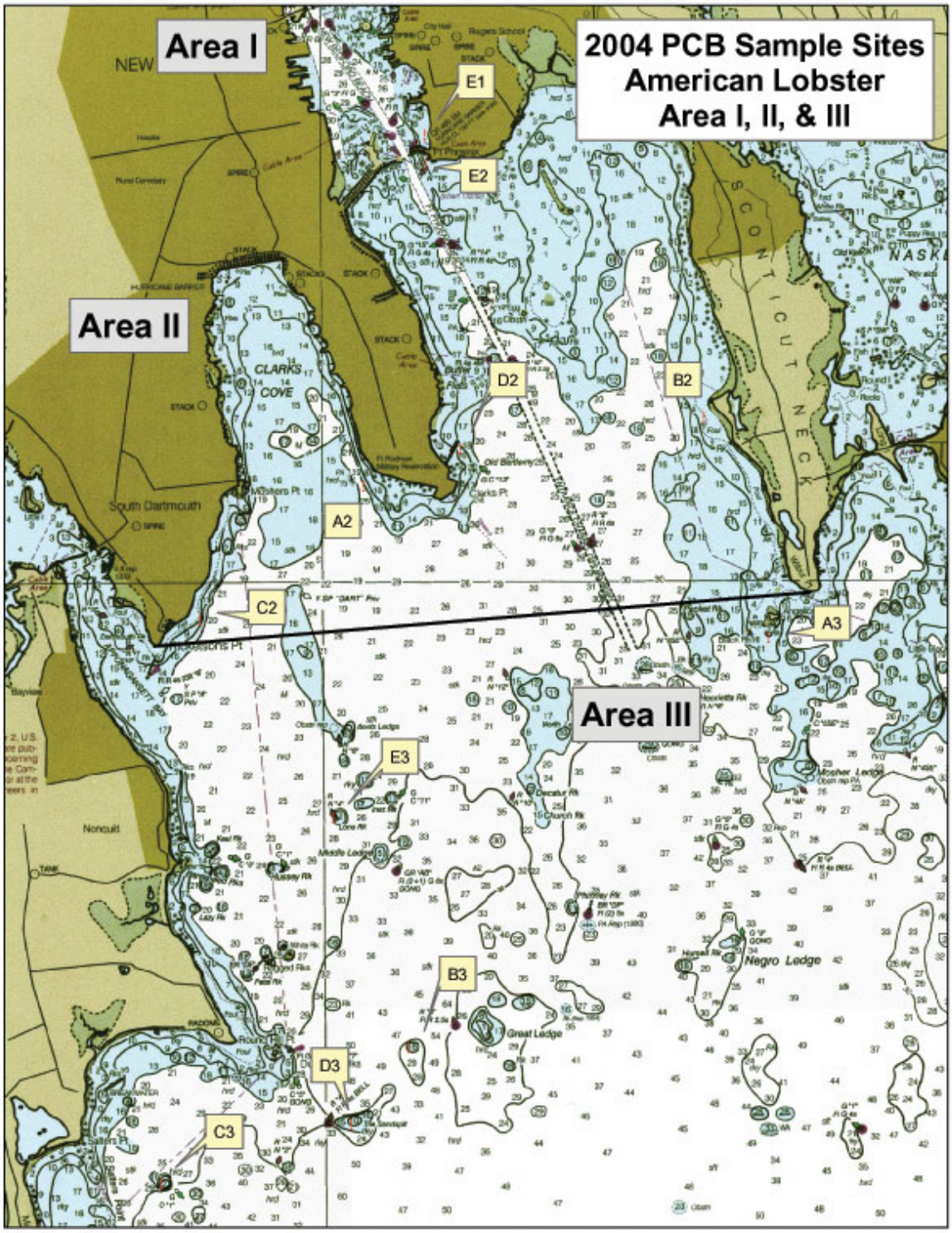


Figure 2 American Lobster Sample Locations -Area I, II, & III

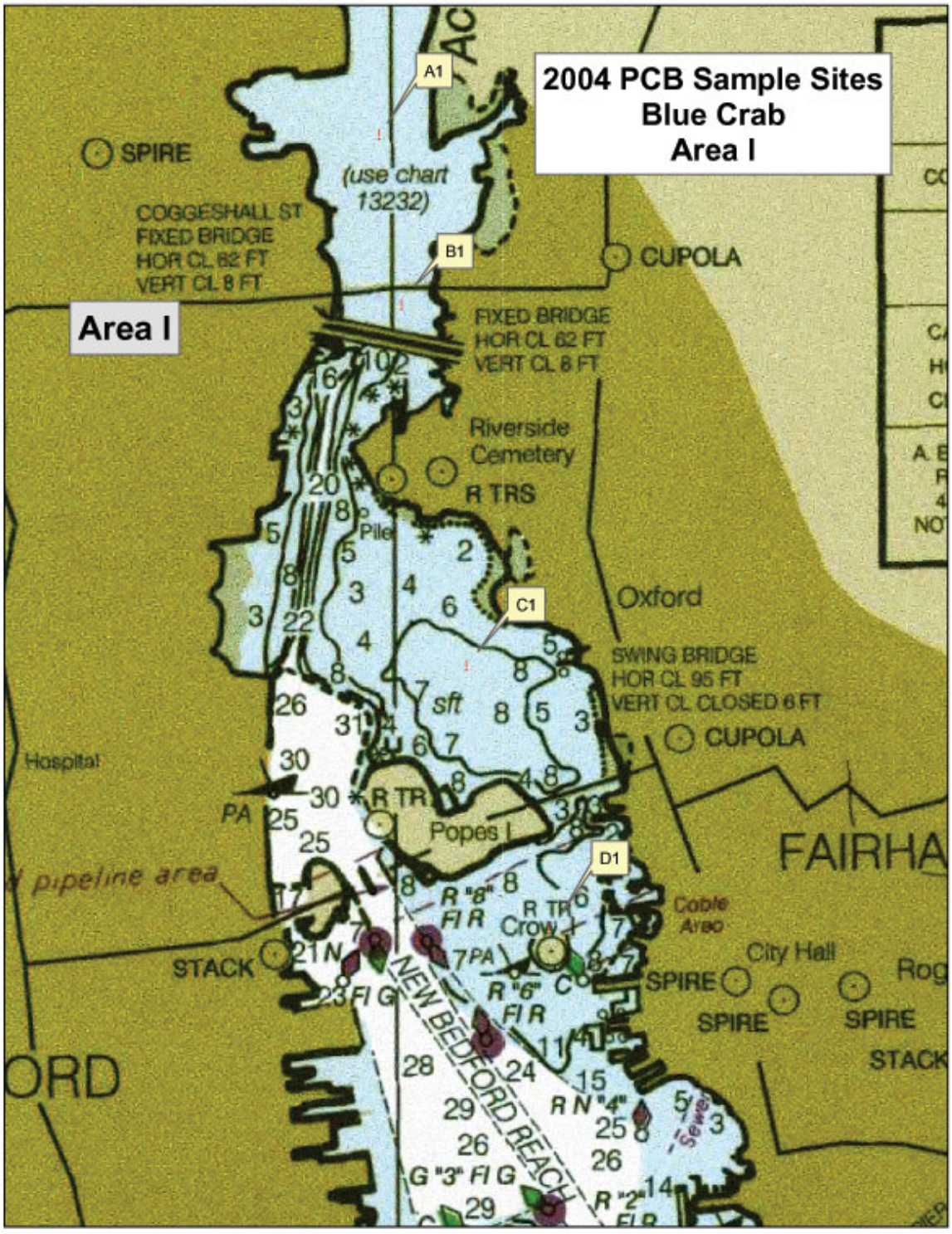


Figure 3 Blue Crab Sample Locations - Area I

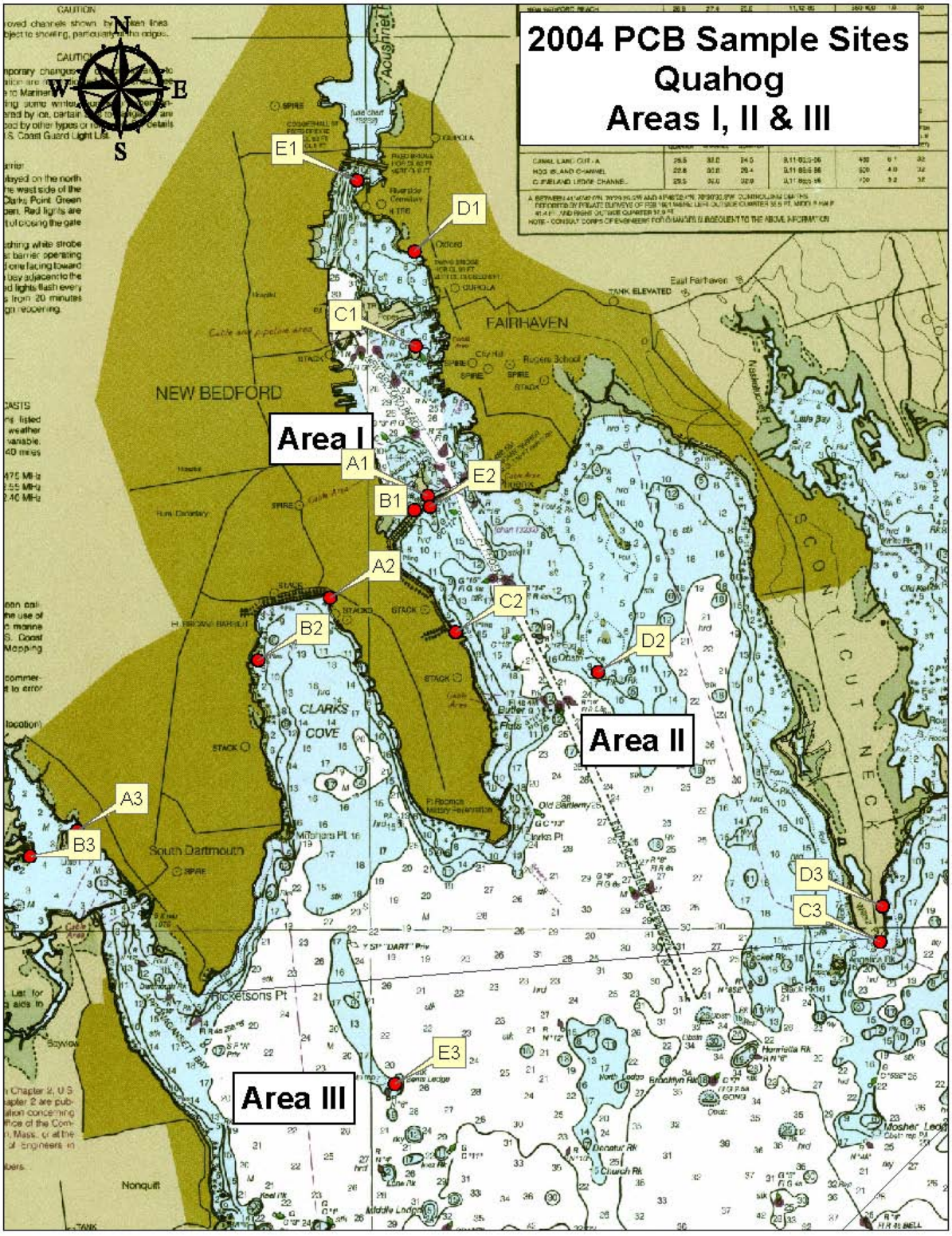


Figure 4 Quahog Sample Locations - Area I, II, & III

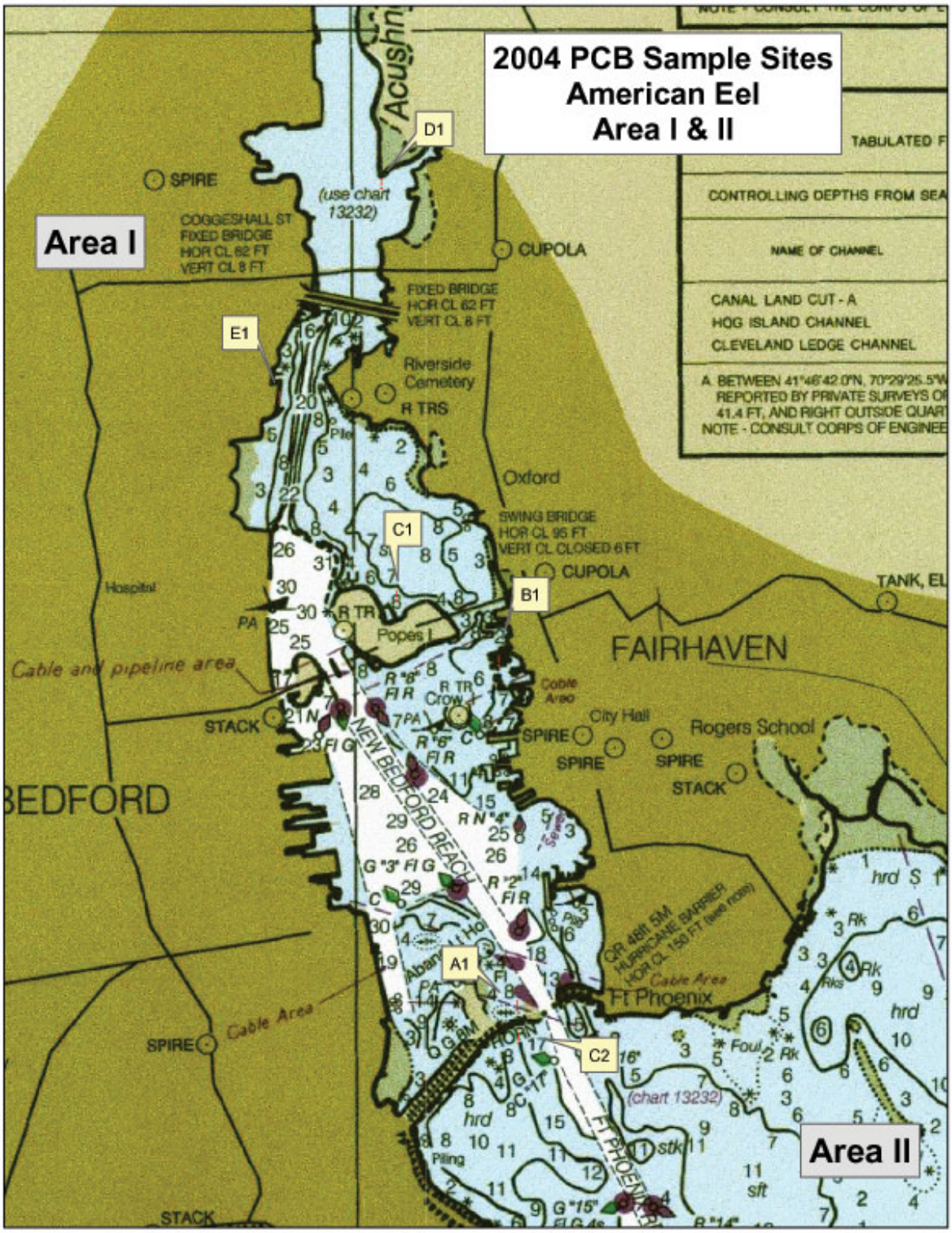


Figure 5 Eel Sample Locations - Area I & II

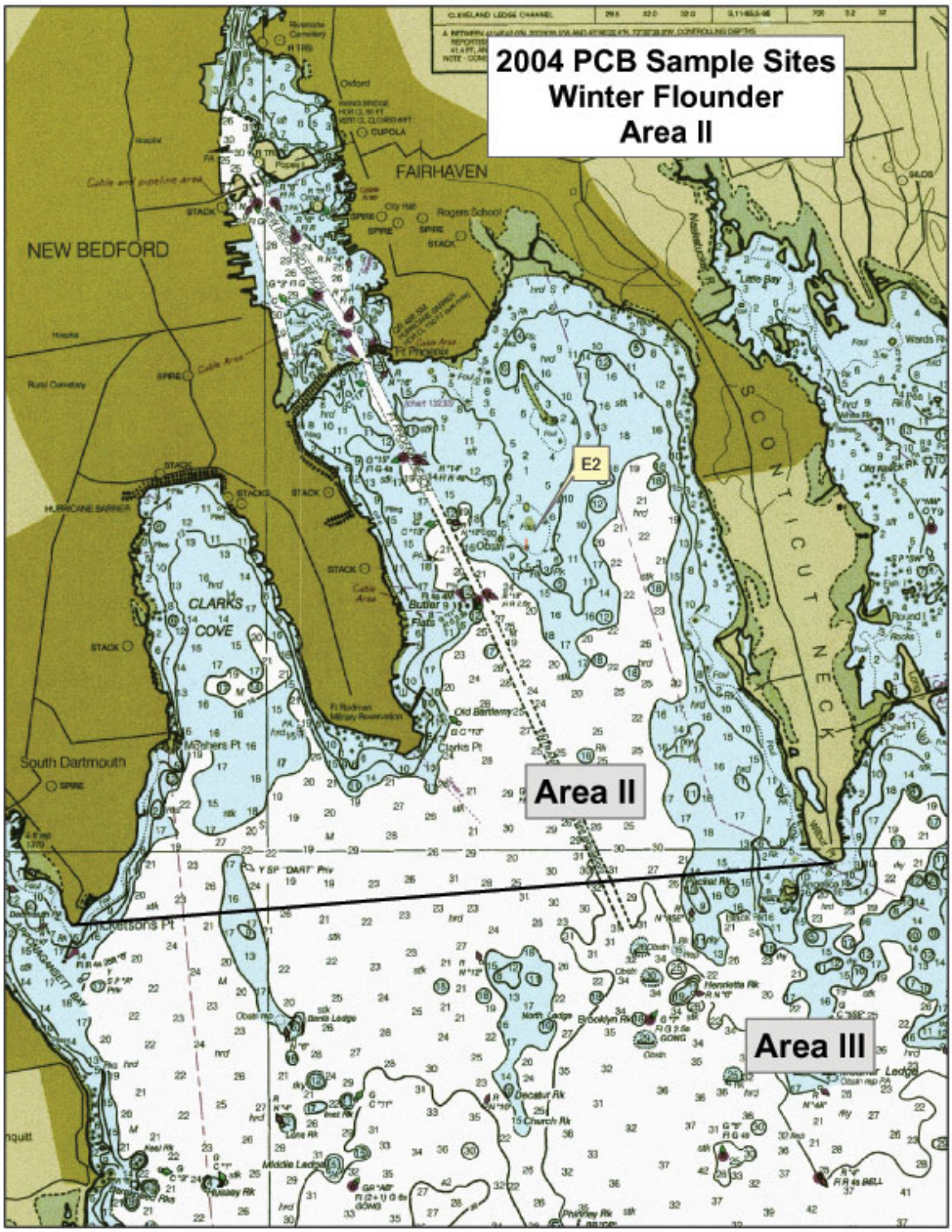


Figure 6 Winter Flounder Sample Location - Area II

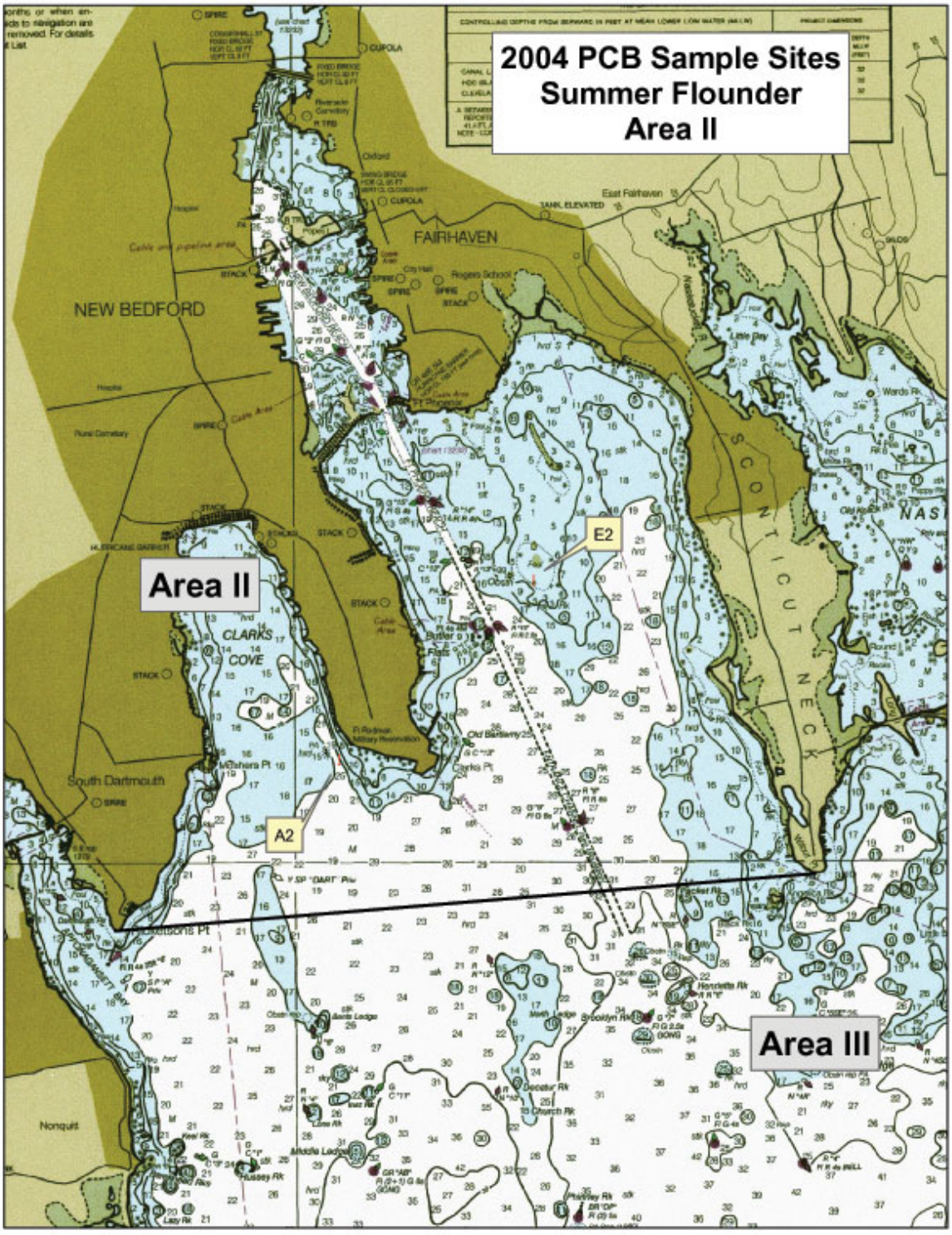


Figure 7 Summer Flounder Sample Locations - Area II

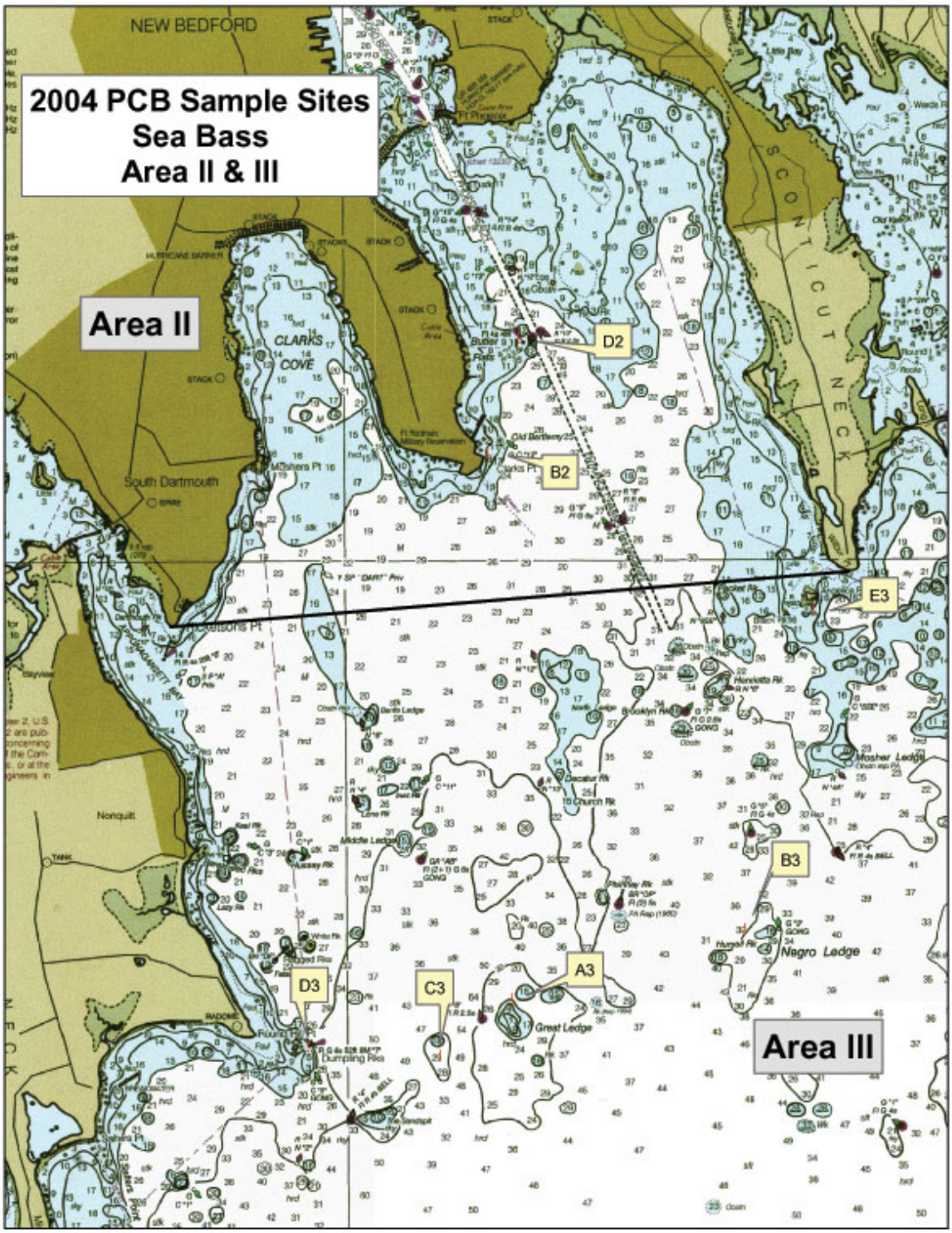


Figure 8 Sea Bass Sample Locations -Area I & II

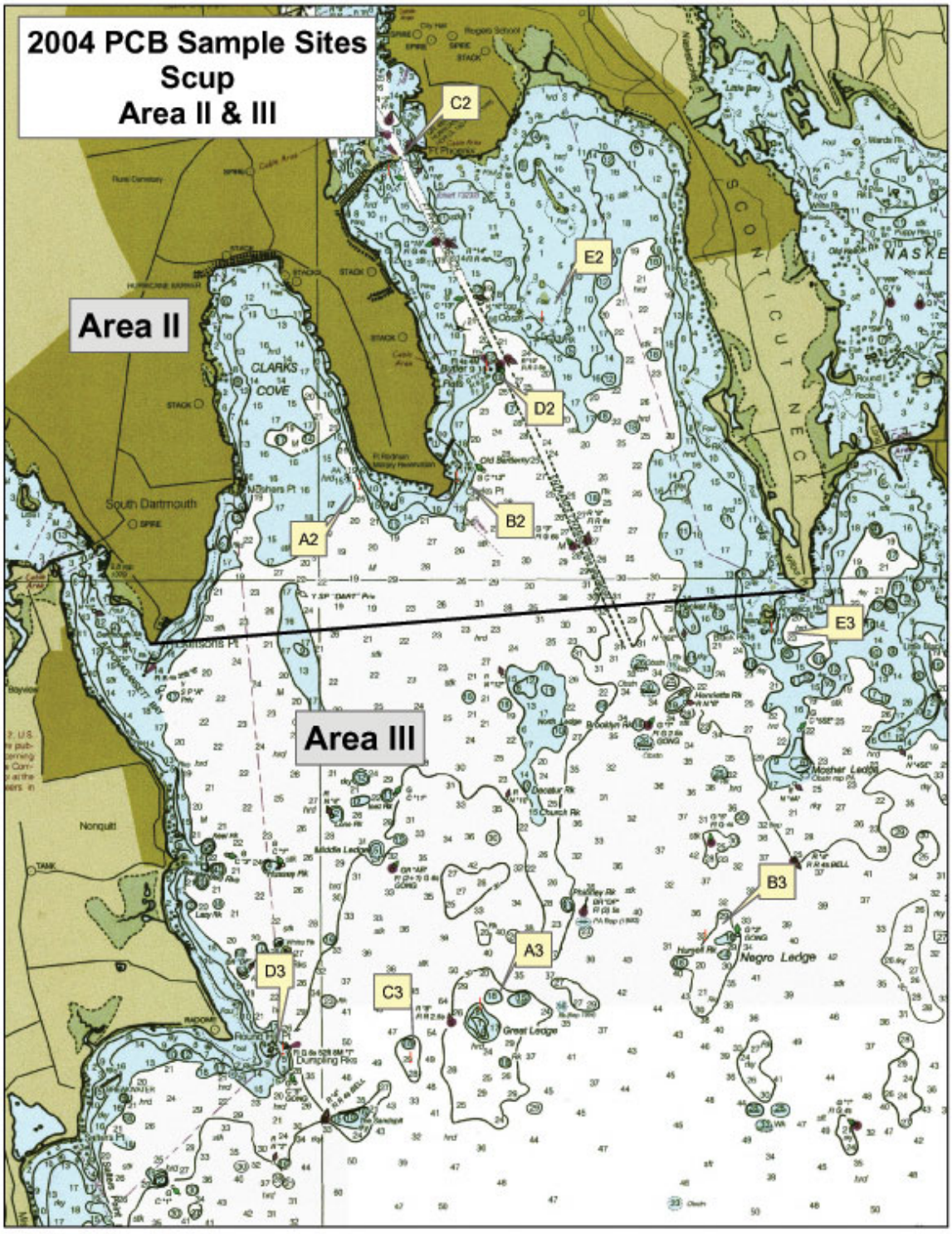
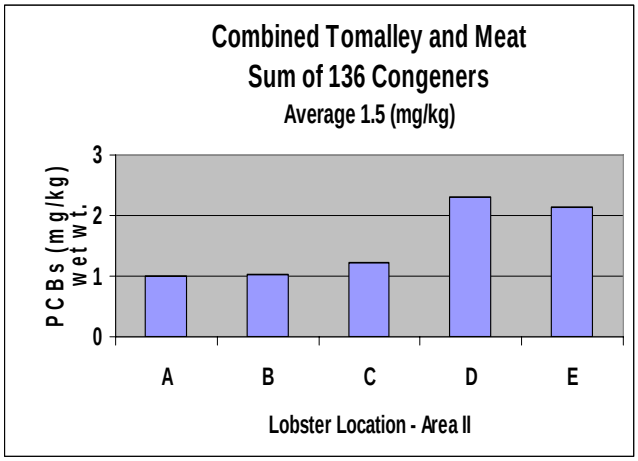
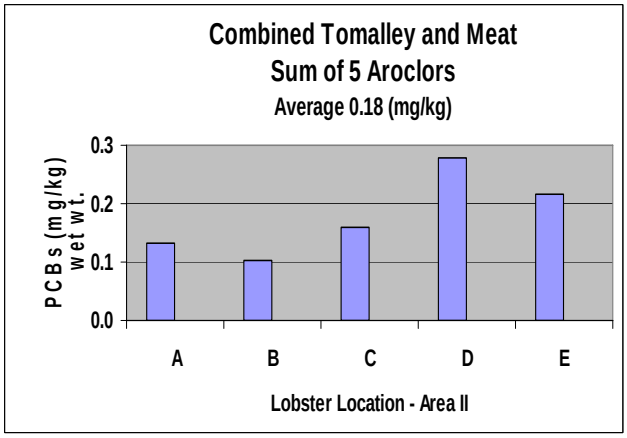
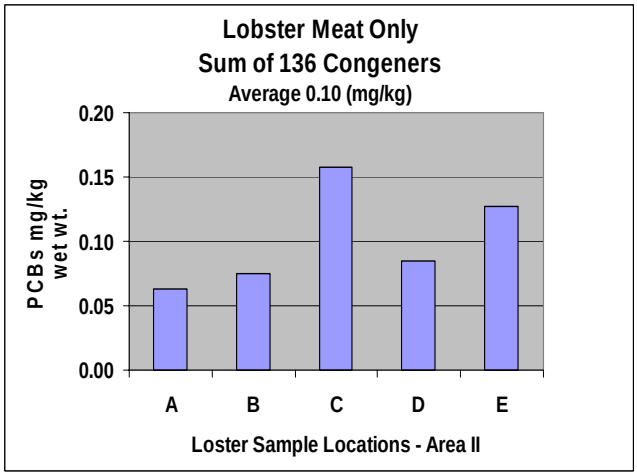
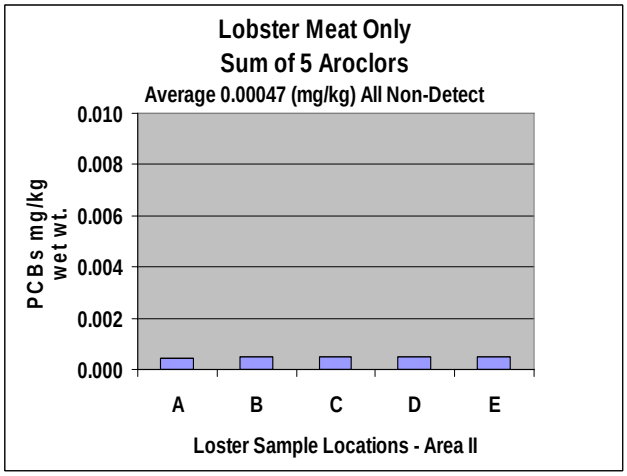


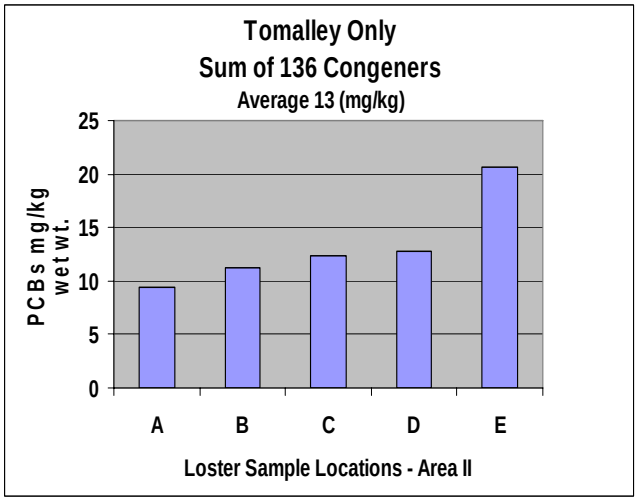
Figure 9 Scup Sample Locations - Area II & III











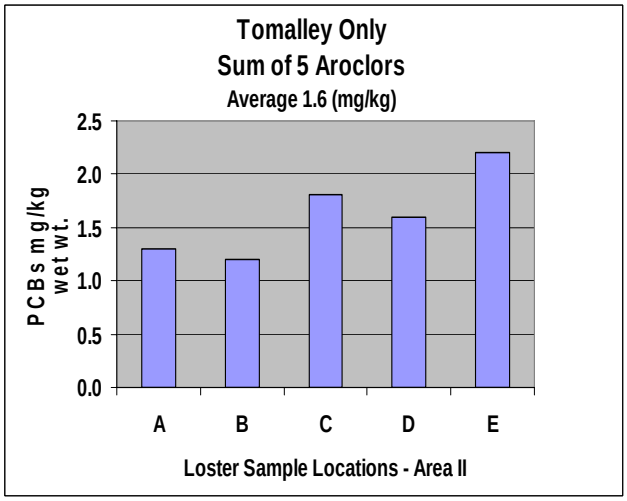


Figure 10 PCBs Concentrations in Lobster - Area II 2004

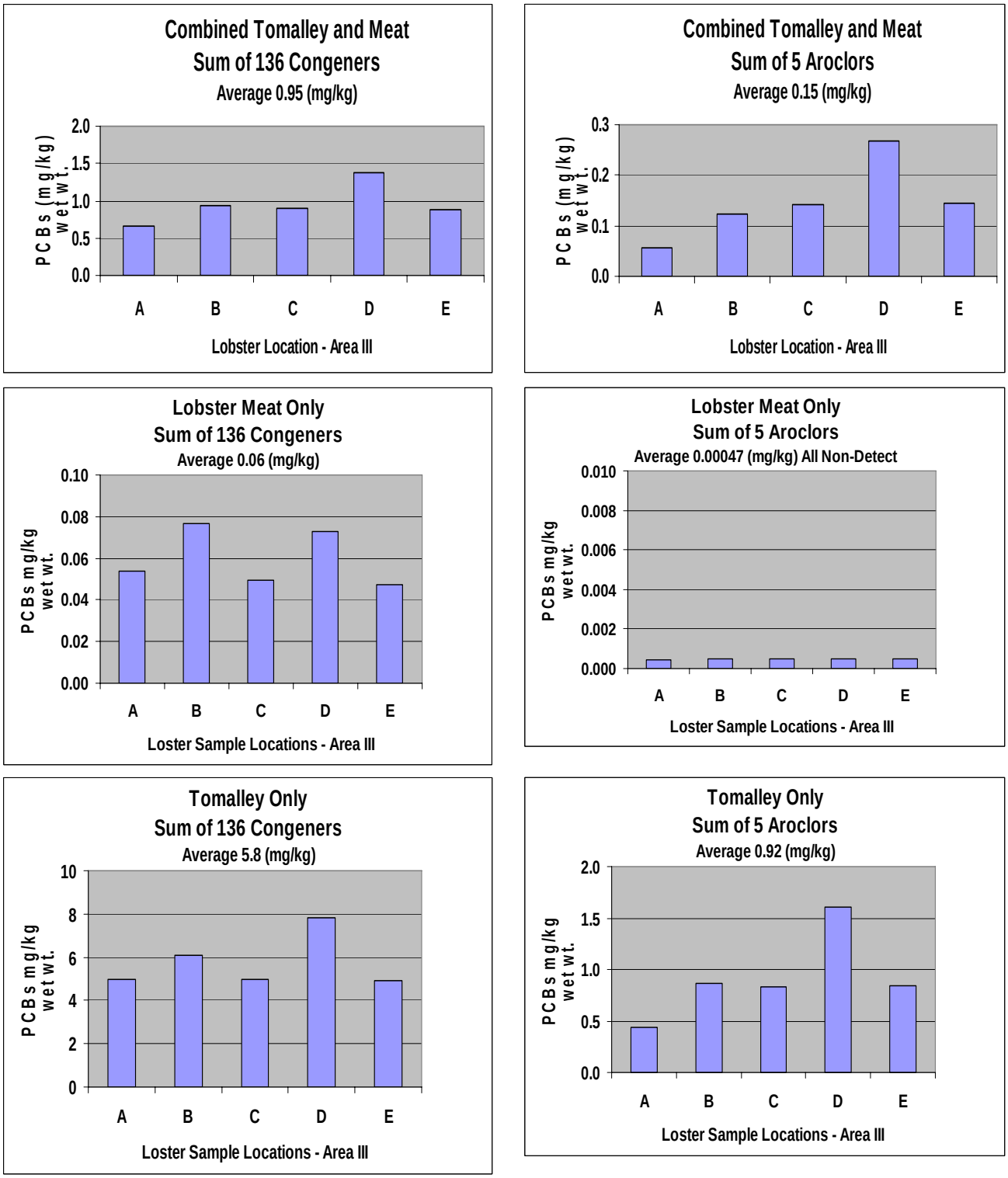
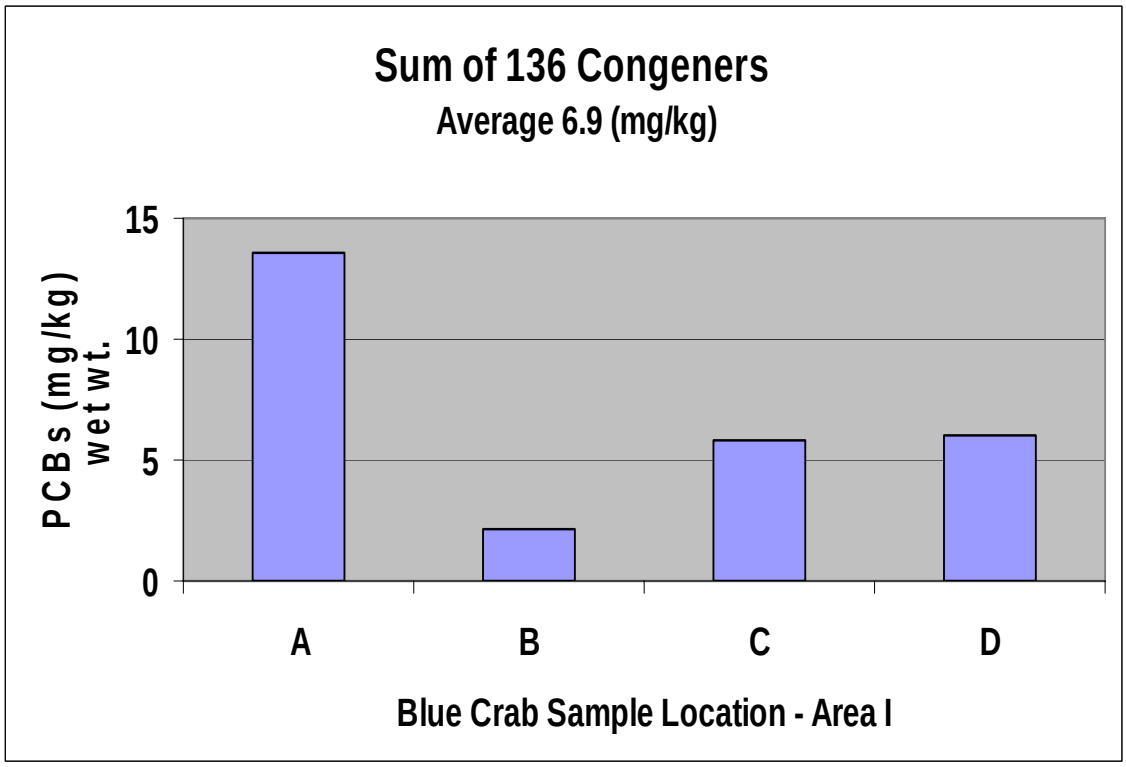


Figure 11 PCBs Concentrations in Lobster - Area III 2004



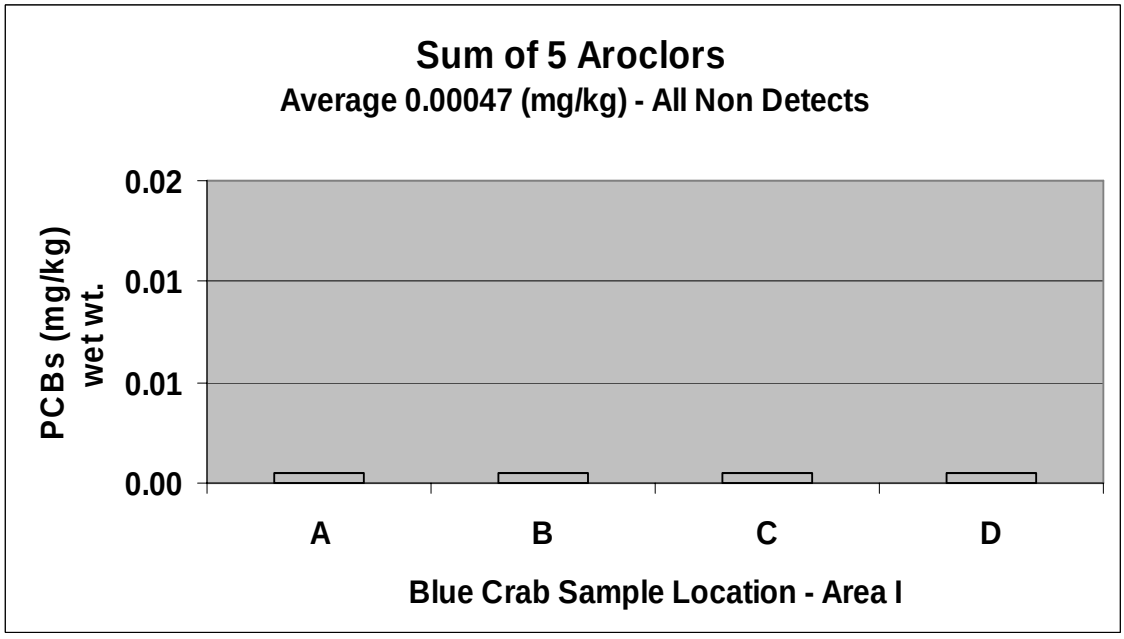


Figure 12 PCBs Concentrations in Blue Crab Area I 2004

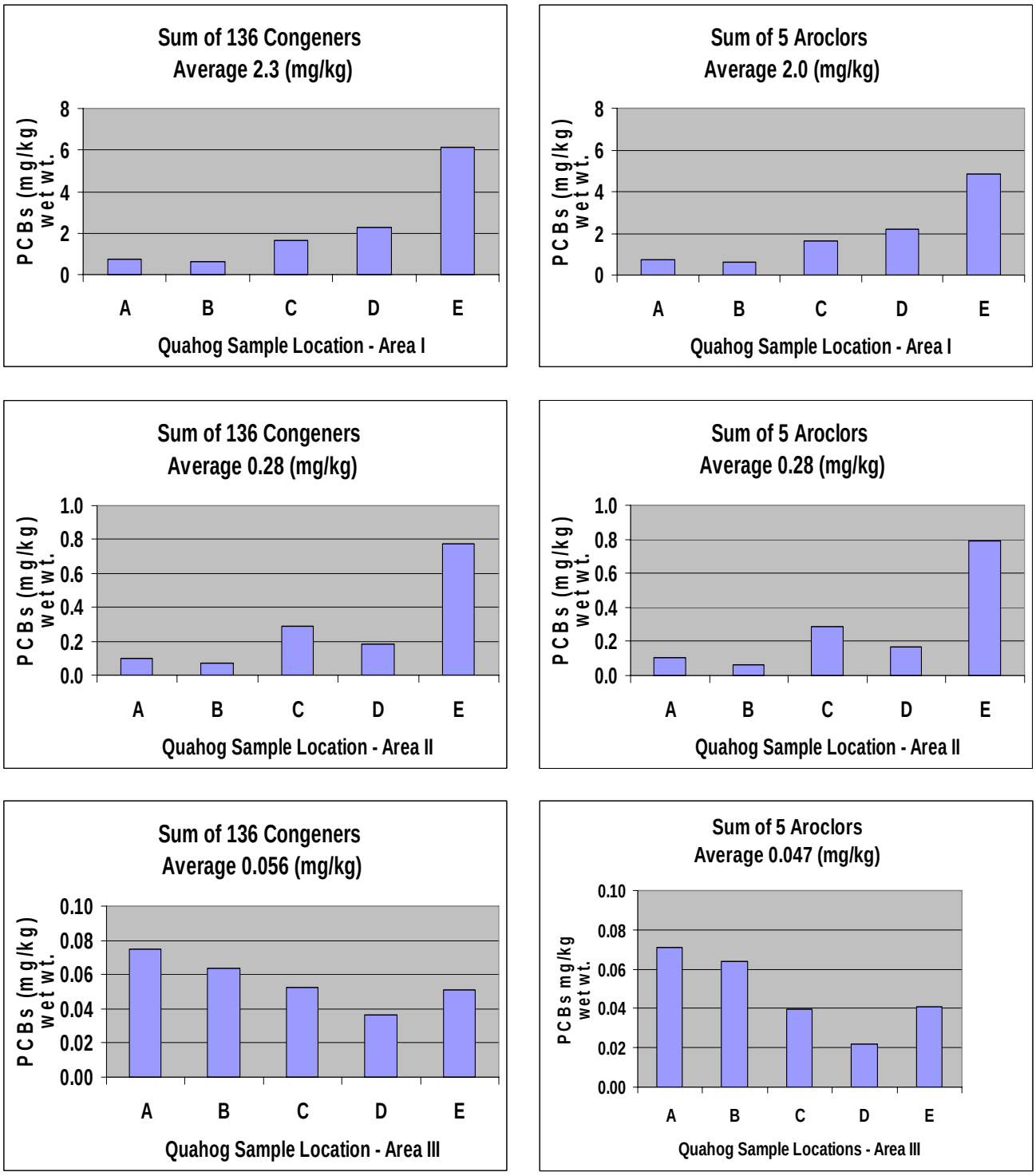


Figure 13 PCBs Concentrations in Quahog 2004

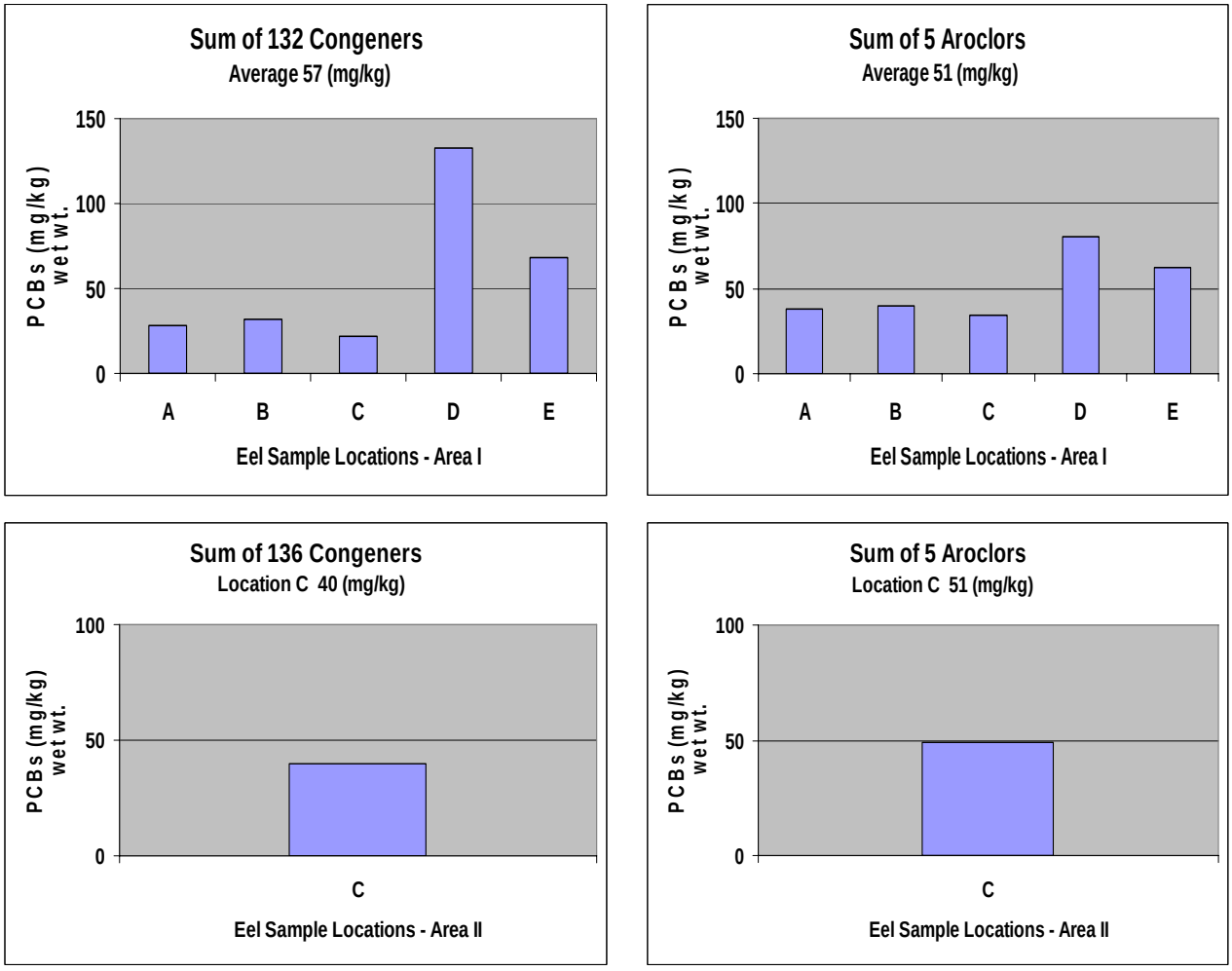
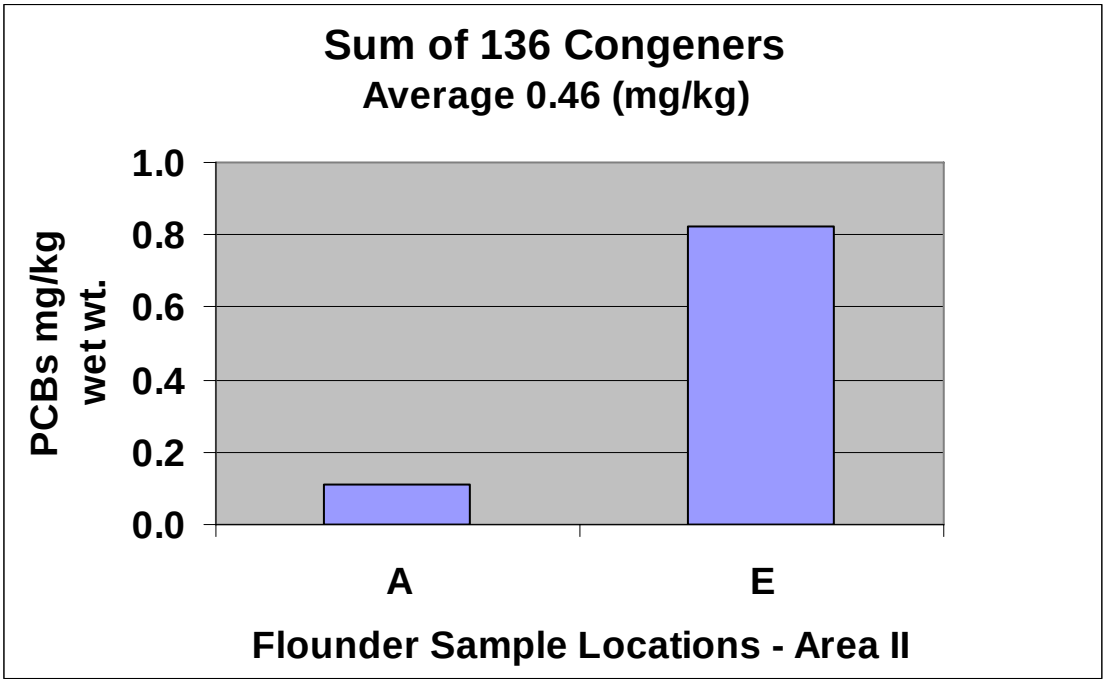


Figure 14 PCBs Concentrations in Eel 2004



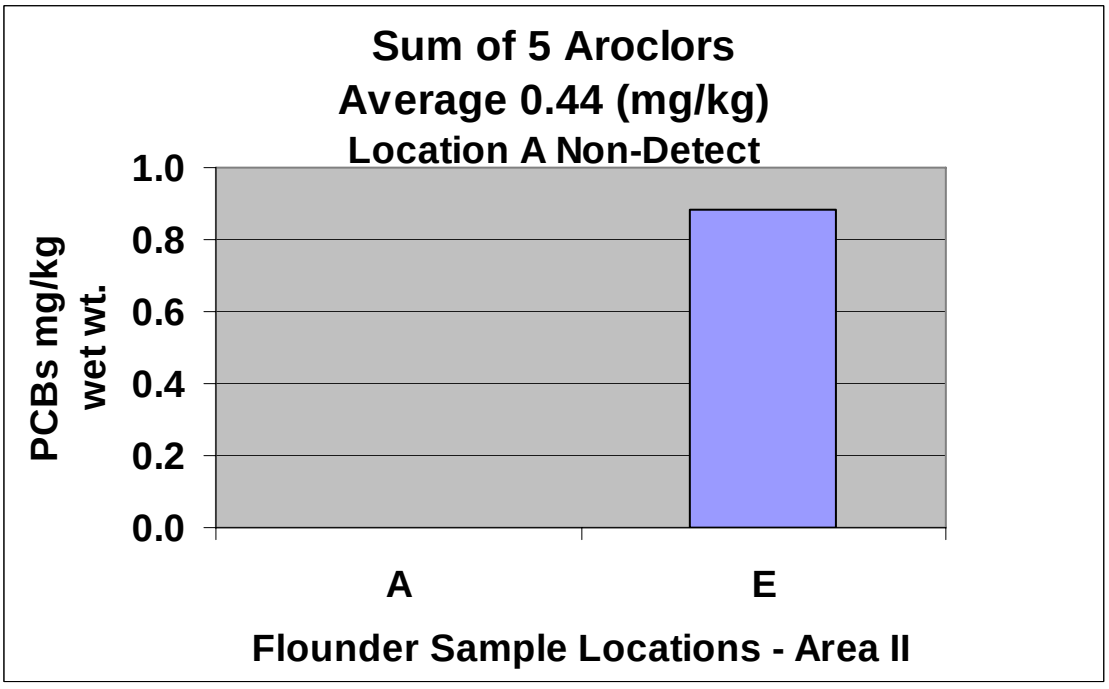
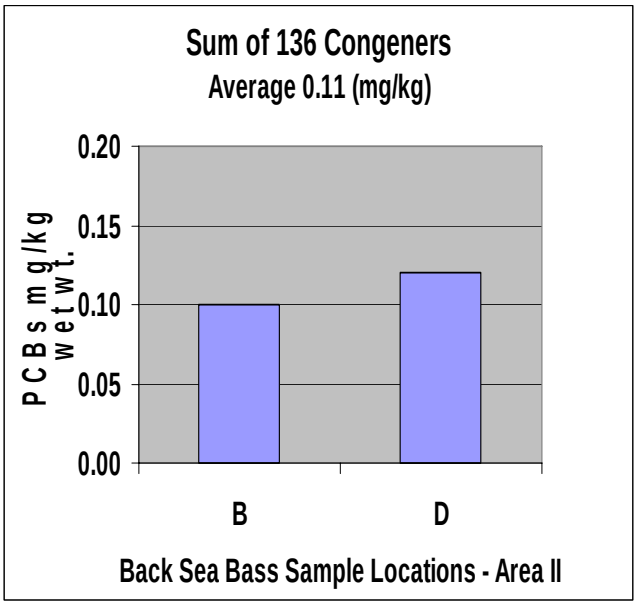
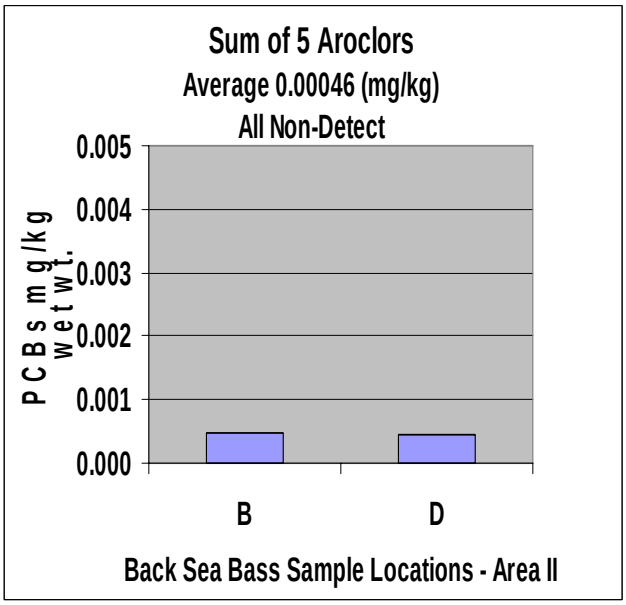
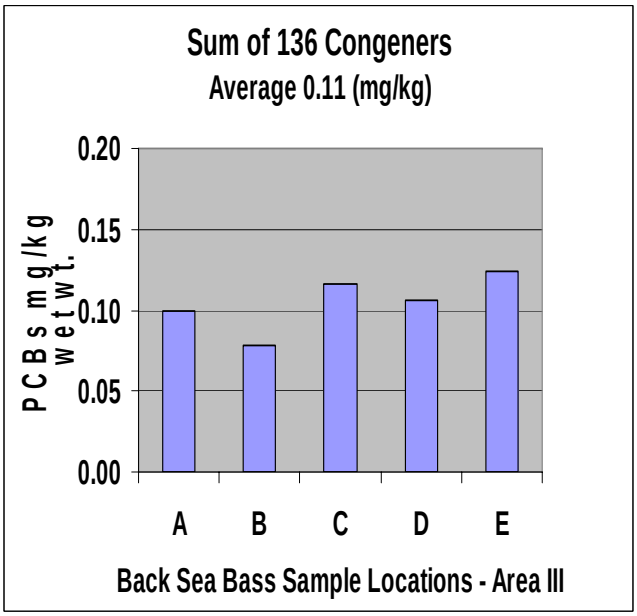


Figure 15 PCBs Concentrations in Flounder 2004







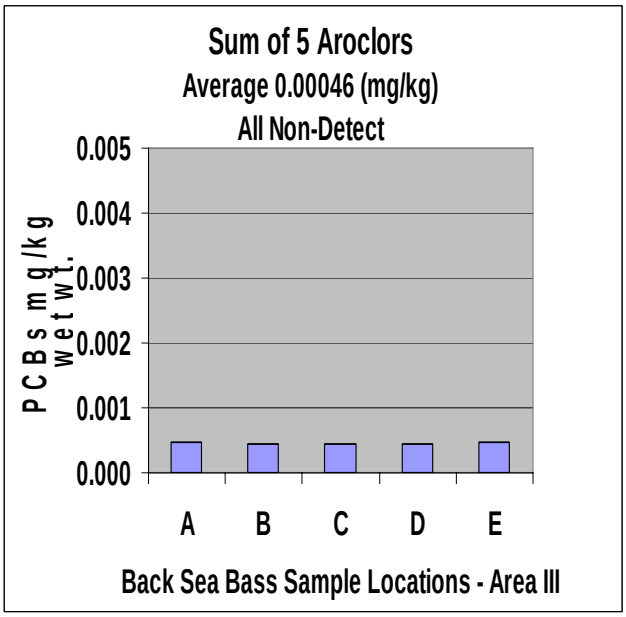


Figure 16 PCBs Concentrations in Black Sea Bass 2004

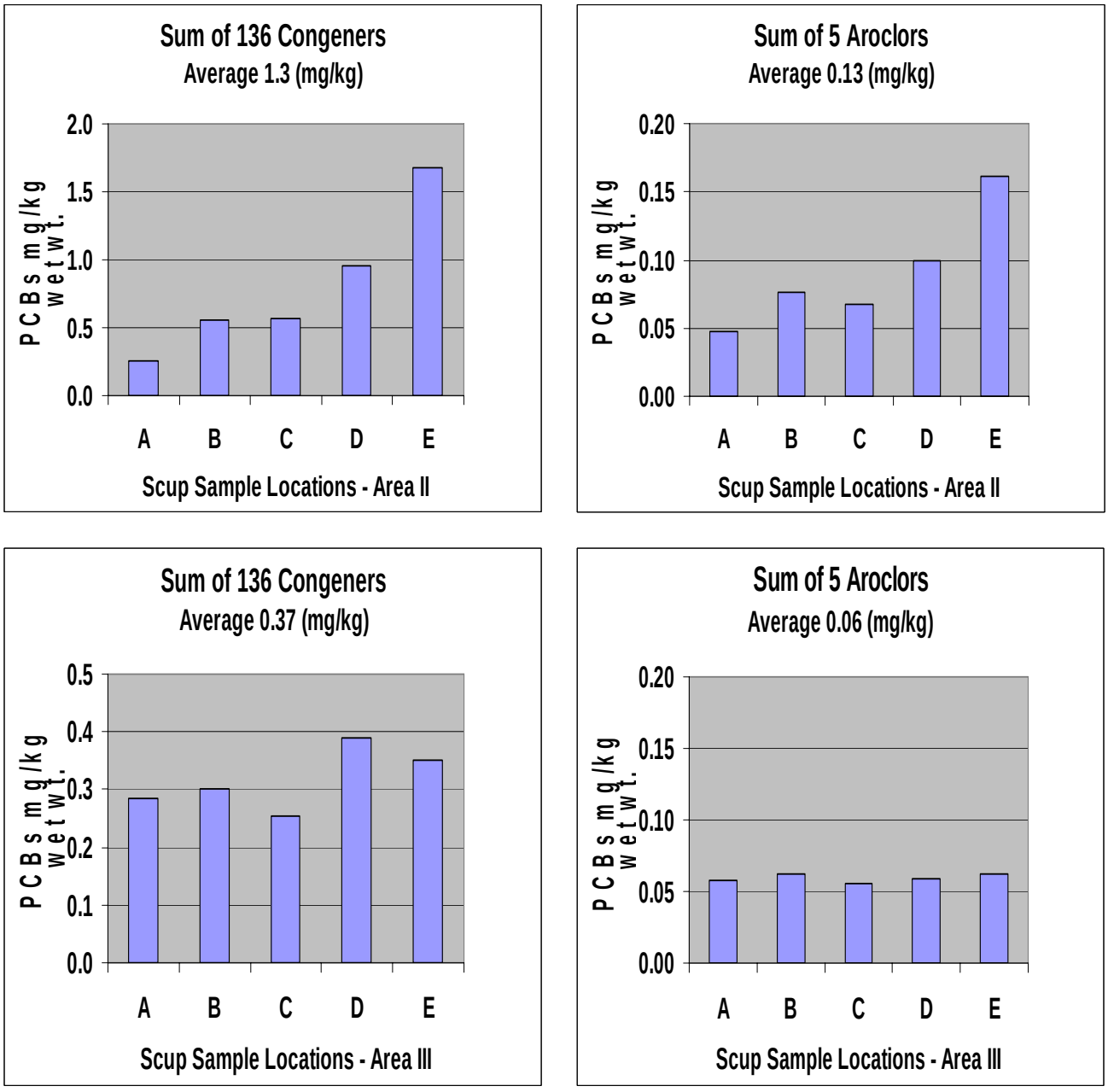


Figure 17 PCBs Concentrations in Scup 2004

TABLES

Notes and Footnotes for Tables:
[1] = summation of 136 PCB congener results (1/2 Sample Quantitation Limit [SQL] used for non-detected results)

[2] = summation of detected 136 PCB congeners

[3] = summation of 18 NOAA PCB congener results (1/2 SQL used for non-detected results)

[4] = summation of 12 WHO PCB congener results (1/2 SQL used for non-detected results)

[5] = summation of 18 NOAA & 12 WHO PCB congener results (1/2 SQL used for non-detected results); duplicative congeners (BZ# 105, #118, #167/128) subtracted from total for one data set

[6] = summation of 5 Aroclor results (1/2 SQL used for non-detected results); if all Aroclor results are not detected, then total value represets SQL for each individual Aroclor

U = not detected; value represents SQL
J1 = concentration of detected congeners contributes < 50% of total congener result
J2 = concentration of detected congeners contributes 50% to 90% of total congener result
J3 = concentration of detected congeners contributes 90% to 99% of total congener result
J4 = concentration of detected congeners contributes > 99% of total congener result

Results reported in milligrams per kilogram (mg/kg) wet weight, unless otherwise noted.
PCB Congeners and Aroclors analyzed by GC/MS-SIM.

Table 1 Summary of Sample Data for Lobster (mg/kg, wet weight) 2004

	Parameter	Units	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
Area	**Station**	**Sample Weight**	**PERCENT**		**MG/KG**		**MG/KG**		**MG/KG**		**MG/KG**		**MG/KG**		**MG/KG**	
Lobster Meat																
I	E	5.24	0.13		0.11	J2	0.098		0.059	J4	0.020	J3	0.062	J3	0.00048	U
II	A	5.47	0.13		0.063	J2	0.043		0.032	J3	0.014	J3	0.034	J3	0.00046	U
II	B	5.34	0.22		0.075	J2	0.058		0.039	J3	0.017	J3	0.041	J3	0.00047	U
II	C	5.35	0.21		0.16	J2	0.14		0.098	J3	0.039	J3	0.10	J3	0.00047	U
II	D	5.19	0.31		0.085	J2	0.068		0.045	J3	0.018	J3	0.047	J3	0.00048	U
II	E	5.37	0.24		0.13	J2	0.11		0.074	J3	0.030	J3	0.078	J3	0.00047	U
Average Area II			0.22		0.10	J2	0.085		0.058	J3	0.024	J3	0.061	J3	0.00047	U
III	A	5.48	0.16		0.054	J2	0.034		0.024	J3	0.010	J2	0.026	J2	0.00046	U
III	B	5.34	0.21		0.077	J2	0.058		0.040	J3	0.015	J3	0.043	J3	0.00047	U
III	C	5.22	0.13		0.050	J2	0.025		0.021	J3	0.00875	J2	0.023	J2	0.00048	U
III	D	5.35	0.11		0.073	J2	0.054		0.039	J3	0.014	J3	0.041	J3	0.00047	U
III	E	5.13	0.10	U	0.047	J2	0.024		0.019	J3	0.00822	J2	0.021	J2	0.00049	U
Average Area III			0.14		0.060	J2	0.039		0.029	J3	0.011	J3	0.031		0.00047	U
Tomalley																
I	E	3.44	33		31	J4	31		20	J4	6.1	J4	20	J4	2.4	J4
II	A	3.34	24		9.4	J4	9.4		6.5	J4	2.4	J4	6.7	J4	1.3	J4
II	B	3.23	21		11	J4	11		7.5	J4	2.6	J4	7.7	J4	1.2	J4
II	C	3.23	23		12	J4	12		8.4	J4	2.9	J4	8.7	J4	1.8	J4
II	D	3.38	21		13	J4	13		8.4	J4	2.9	J4	8.7	J4	1.6	J4
II	E	3.44	17		21	J4	21		14	J4	5.1	J4	14	J4	2.2	J4
Average Area II			21		13	J4	13		8.9	J4	3.2	J4	9.2	J4	1.6	J4
III	A	3.41	16		5.0	J4	5.0		2.8	J4	0.99	J4	2.9	J4	0.44	J4
III	B	3.4	18		6.1	J4	6.1		4.2	J4	1.4	J4	4.3	J4	0.86	J4
III	C	3.13	15		5.0	J4	4.9		3.6	J4	1.2	J4	3.8	J4	0.83	J4
III	D	3.28	17		7.8	J4	7.8		5.7	J4	1.8	J4	5.9	J4	1.6	J4
III	E	3.48	27		4.9	J4	4.9		3.5	J4	1.2	J4	3.6	J4	0.84	J4
Average Area III			19		5.8	J4	5.7		4.0	J4	1.3	J4	4.1	J4	0.92	J4

Table 2 Calculated PCB Concentration of Combined Lobster Meat and Tomalley 2004

Location	PCB Conc. in meat[1] (mg/kg)	wt meat (kg)	PCBs in meat (mg)	PCB Conc. in tomalley[1] (mg/kg)	wt tomalley (kg)	PCBs in tomalley (mg)	total weight (kg)	sum of PCBs (mg)	total concentration (mg/kg)
Area I - 136 Congeners									
E	0.11	0.62524	0.0687764	33	0.08855	2.92215	0.71379	3.0	4.2
Area II - 136 Congeners									
A	0.063	0.39932	0.02502538	9.4	0.0449	0.42339982	0.44422	0.45	1.0
B	0.075	0.4765	0.03569938	11	0.04382	0.49490527	0.52032	0.53	1.0
C	0.16	0.34088	0.05375678	12	0.03276	0.40575881	0.37364	0.46	1.2
D	0.085	0.41155	0.03501879	13	0.08647	1.11074174	0.49802	1.1	2.3
E	0.13	0.42125	0.05337238	21	0.04599	0.95063078	0.46724	1.0	2.1
								avg	**1.5**
Area III - 136 Congeners									
A	0.054	0.39645	0.02142416	5.0	0.05638	0.28095507	0.45283	0.30	0.67
B	0.077	0.43987	0.03365445	6.1	0.07275	0.44353784	0.51262	0.48	0.93
C	0.050	0.36921	0.01835712	5.0	0.0766	0.37962807	0.44581	0.40	0.89
D	0.073	0.32432	0.02353915	7.8	0.06538	0.51132064	0.3897	0.53	1.4
E	0.047	0.35189	0.01667607	4.9	0.07232	0.35717908	0.42421	0.37	0.88
								avg	**0.95**

Location	PCB Conc. in meat[6] (mg/kg)	wt meat (kg)	PCBs in meat (mg)	PCB Conc. in tomalley[6] (mg/kg)	wt tomalley (kg)	PCBs in tomalley (mg)	total weight(kg)	sum of PCBs (mg)	total concentration (mg/kg)
Area I - 5 Aroclors									
E	0.00048	0.62524	0.00030012	0.08855	0.08855	0.0078411	0.71379	0.0081	0.01141
Area II - 5 Aroclors									
A	0.00046	0.39932	0.00018369	1.3	0.0449	0.05843735	0.44422	0.059	0.13
B	0.00047	0.4765	0.00022396	1.2	0.04382	0.05265148	0.52032	0.053	0.10
C	0.00047	0.34088	0.00016021	1.8	0.03276	0.05901845	0.37364	0.059	0.16
D	0.00048	0.41155	0.00019754	1.6	0.08647	0.13847998	0.49802	0.14	0.28
E	0.00047	0.42125	0.00019799	2.2	0.04599	0.10124515	0.46724	0.10	0.22
								avg	**0.18**
Area III - 5 Aroclors									
A	0.00046	0.39645	0.00018237	0.44	0.05638	0.02488951	0.45283	0.025	0.055
B	0.00047	0.43987	0.00020674	0.86	0.07275	0.06267267	0.51262	0.063	0.12
C	0.00048	0.36921	0.00017722	0.83	0.0766	0.06370056	0.44581	0.064	0.14
D	0.00047	0.32432	0.00015243	1.6	0.06538	0.10470738	0.3897	0.10	0.27
E	0.00049	0.35189	0.00017243	0.84	0.07232	0.06085294	0.42421	0.061	0.14
								avg	**0.15**

Table 3 Summary of Sample Data for Blue Crab 2004

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	Percent		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station A	0.65		13.6	J4	13.6		6.9	J4	0.76	J4	7.0	J4	0.00048	U
I	Station B	0.14		2.1	J4	2.1		1.1	J4	0.20	J4	1.1	J4	0.00048	U
I	Station C	0.10	U	5.9	J4	5.9		2.8	J4	0.22	J4	2.8	J4	0.00046	U
I	Station D	0.57		6.0	J4	6.0		3.2	J4	0.65	J4	3.2	J4	0.00046	U
	Average	0.37		6.9	J4	6.9		3.5	J4	0.46	J4	3.5	J4	0.00047	U

Table 4 Summary of Sample Data for Quahog 2004

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	Percent		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station A	0.41		0.73	J4	0.72		0.32	J4	0.051	J3	0.33	J4	0.76	J4
I	Station B	0.29		0.64	J4	0.63		0.25	J4	0.042	J4	0.26	J4	0.63	J4
I	Station C	0.30		1.7	J4	1.65		0.72	J4	0.10	J4	0.73	J4	1.6	J4
I	Station D	0.38		2.3	J4	2.3		0.97	J4	0.14	J4	0.99	J4	2.2	J4
I	Station E	0.48		6.1	J4	6.1		2.6	J4	0.29	J4	2.6	J4	4.9	J4
	Average	0.37		2.3		2.3		0.96		0.12		0.98		2.0	
II	Station A	0.35		0.098	J2	0.086		0.041	J3	0.010	J2	0.044	J3	0.10	J4
II	Station B	0.10	U	0.067	J2	0.053		0.025	J3	0.0066	J2	0.027	J3	0.065	J4
II	Station C	0.37		0.29	J3	0.28		0.12	J4	0.020	J3	0.13	J4	0.29	J4
II	Station D	0.10	U	0.18	J3	0.17		0.074	J4	0.011	J2	0.077	J3	0.17	J4
II	Station E	0.24		0.78	J4	0.77		0.34	J4	0.047	J3	0.34	J4	0.79	J4
	Average	0.23		0.28		0.27		0.12		0.019		0.12		0.28	J4
III	Station A	0.23		0.075	J2	0.062		0.029	J3	0.0078	J2	0.032	J3	0.071	J3
III	Station B	0.16		0.064	J2	0.050		0.023	J3	0.0062	J2	0.026	J3	0.064	J3
III	Station C	0.26		0.052	J2	0.038		0.018	J3	0.0051	J2	0.020	J2	0.040	J3
III	Station D	0.18		0.037	J1	0.017		0.010	J2	0.0039	J1	0.012	J2	0.022	J3
III	Station E	0.14		0.051	J2	0.036		0.017	J3	0.0048	J2	0.019	J2	0.041	J3
	Average	0.19		0.056		0.041		0.019		0.0056		0.022		0.047	J3

Table 5 Summary of Sample Data for Eel 2004

	Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
	Units	Percent		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Area	Station														
I	Station A	14		28	J3	28		16	J4	4.3	J4	16	J4	38	J4
I	Station B	18		32	J3	31		17	J4	4.5	J3	17	J4	40	J4
I	Station C	6.6		22	J3	22		13	J4	3.8	J4	13	J4	34	J4
I	Station D	17		133	J4	132		56	J4	6.7	J3	57	J4	80	J4
I	Station E	11		68	J4	67		31	J4	5.9	J3	32	J4	62	J4
	Average	13		57		56		27	J4	5.0		27	J4	51	J4
II	Station C	18		40	J3	39		21	J4	5.2	J3	22	J4	49	J4

Table 6 Summary of Sample Data for Fish 2004

		Parameter	Lipids		Total PCB Congeners[1]		Total PCB Congeners Hits[2]		Total NOAA Congeners[3]		Total WHO Congeners[4]		Total NOAA and WHO Combined[5]		Total Aroclors[6]	
		Units	Percent		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Species	Area	Station														
Black Sea Bass	II	Station B	0.76		0.10	J2	0.077		0.052	J3	0.016	J2	0.055	J3	0.00047	U
Black Sea Bass	II	Station D	0.88		0.12	J2	0.099		0.071	J3	0.020	J3	0.074	J3	0.00045	U
		Average	0.82		0.11	J2	0.088		0.061	J3	0.018		0.064	J3	0.00046	U
Black Sea Bass	III	Station A	0.69		0.099	J2	0.075		0.054	J3	0.016	J2	0.057	J3	0.00047	U
Black Sea Bass	III	Station B	0.46		0.078	J2	0.056		0.040	J3	0.012	J2	0.043	J3	0.00044	U
Black Sea Bass	III	Station C	0.85		0.12	J2	0.096		0.059	J3	0.018	J2	0.062	J3	0.00044	U
Black Sea Bass	III	Station D	0.75		0.11	J2	0.085		0.055	J3	0.017	J2	0.058	J3	0.00045	U
Black Sea Bass	III	Station E	0.78		0.12	J2	0.10		0.064	J3	0.019	J2	0.067	J3	0.00047	U
		Average	0.77		0.11	J2	0.093		0.060	J3	0.018	J2	0.063	J3	0.00046	U
Scup	II	Station A	0.59		0.26	J3	0.25		0.16	J4	0.046	J3	0.16	J4	0.048	J3
Scup	II	Station B	1.4		0.55	J3	0.55		0.31	J4	0.085	J4	0.32	J4	0.076	J3
Scup	II	Station C	0.76		0.57	J4	0.56		0.31	J4	0.074	J4	0.31	J4	0.067	J3
Scup	II	Station D	2.0		0.95	J4	0.94		0.51	J4	0.13	J4	0.52	J4	0.099	J4
Scup	II	Station E	2.0		1.7	J4	1.7		0.94	J4	0.25	J4	0.97	J4	0.16	J4
		Average	2.0		1.3		1.3		0.73		0.19		0.75	J4	0.13	
Scup	III	Station A	1.6		0.28	J3	0.28		0.16	J4	0.043	J3	0.17	J4	0.058	J3
Scup	III	Station B	1.8		0.30	J3	0.29		0.18	J4	0.050	J3	0.19	J4	0.062	J3
Scup	III	Station C	1.6		0.25	J3	0.24		0.15	J4	0.038	J3	0.16	J4	0.056	J3
Scup	III	Station D	1.6		0.39	J3	0.38		0.22	J4	0.058	J4	0.23	J4	0.059	J3
Scup	III	Station E	1.6		0.35	J3	0.34		0.20	J4	0.054	J3	0.21	J4	0.062	J3
		Average	1.6		0.37	J3	0.36		0.21	J4	0.056		0.22	J4	0.060	J3
Summer Flounder	II	Station A	0.47		0.11	J2	0.087		0.058	J3	0.016	J2	0.060	J3	0.00044	U
Summer and Winter Flounder	II	Station E	0.84		0.82	J3	0.81		0.37	J4	0.097	J3	0.39	J4	0.88	J4
		Average	0.66		0.46		0.45		0.22		0.056		0.22		0.44	

Appendices

Appendix A Laboratory Data

Appendix B Data Validation Summary, MassDEP, NBH Seafood Contaminant Survey Monitoring 2004 Sampling

Appendix C Seafood Monitoring - Field Sampling Activities for the NBH Superfund Site 2004 Annual Report

Appendix A Laboratory Data

Notes and Footnotes for Tables:
[1] = summation of 136 PCB congener results (1/2 Sample Quantitation Limit [SQL] used for non-detected results)

[2] = summation of detected 136 PCB congeners

[3] = summation of 18 NOAA PCB congener results (1/2 SQL used for non-detected results)

[4] = summation of 12 WHO PCB congener results (1/2 SQL used for non-detected results)

[5] = summation of 18 NOAA & 12 WHO PCB congener results (1/2 SQL used for non-detected results); duplicative congeners (BZ# 105, #118, #167/128) subtracted from total for one data set

[6] = summation of 5 Aroclor results (1/2 SQL used for non-detected results); if all Aroclor results are not detected, then total value represets SQL for each individual Aroclor

U = not detected; value represents SQL
J = estimated value
UJ = not detect; estimated value
J1 = concentration of detected congeners contributes < 50% of total congener result
J2 = concentration of detected congeners contributes 50% to 90% of total congener result
J3 = concentration of detected congeners contributes 90% to 99% of total congener result
J4 = concentration of detected congeners contributes > 99% of total congener result

Results reported in milligrams per kilogram (mg/kg) wet weight, unless otherwise noted.
PCB Congeners and Aroclors analyzed by GC/MS-SIM.

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2004

Parameter	Units	Sample#	NBH04-L-E-1		NBH04-L-A-2		NBH04-L-B-2		NBH04-L-C-2		NBH04-L-D-2		NBH04-L-E-2	
		Species	Lobster / Meat		Lobster / Meat		Lobster / Meat		Lobster / Meat		Lobster / Meat		Lobster / Meat	
		Area	I		II		II		II		II		II	
		Station	Station E		Station A		Station B		Station C		Station D		Station E	
		Weight (grams)	5.24		5.47		5.34		5.35		5.19		5.37	
Lipids	PERCENT		0.13		0.13		0.22		0.21		0.31		0.24	
Total PCB Congeners[1]	MG/KG		0.11	J2	0.063	J2	0.075	J2	0.16	J2	0.085	J2	0.13	J2
Total PCB Congeners Hits[2]	MG/KG		0.098		0.043		0.058		0.14		0.068		0.11	
Total NOAA Congeners[3]	MG/KG		0.059	J4	0.032	J3	0.039	J3	0.098	J3	0.045	J3	0.074	J3
Total WHO Congeners[4]	MG/KG		0.020	J3	0.014	J3	0.017	J3	0.039	J3	0.018	J3	0.030	J3
Total NOAA / WHO Combined[5]	MG/KG		0.062	J3	0.034	J3	0.041	J3	0.10	J3	0.047	J3	0.078	J3
Total Aroclors[6]	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl1-BZ#1	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl1-BZ#3	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl2-BZ#4/#10	MG/KG		0.00018	J	0.00091	U	0.00094	U	0.00093	U	0.00096	U	0.00093	U
Cl2-BZ#5/#8	MG/KG		0.00049	J	0.00091	U	0.00094	U	0.00093	U	0.00013	J	0.00093	U
Cl2-BZ#6	MG/KG		0.0002	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl2-BZ#7	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl2-BZ#12/#13	MG/KG		0.00041	J	0.00091	U	0.00094	U	0.00093	U	0.00096	U	0.00016	J
Cl2-BZ#15	MG/KG		0.00056		0.00012	J	0.00011	J	0.00047	U	0.00019	J	0.00044	J
Cl3-BZ#16/#32	MG/KG		0.0014		0.00025	J	0.00022	J	0.00023	J	0.00034	J	0.00084	J
Cl3-BZ#17	MG/KG		0.00052		0.00046	U	0.00009	J	0.00047	U	0.00014	J	0.00024	J
Cl3-BZ#18	MG/KG		0.00087		0.00046	U	0.00014	J	0.00047	U	0.00021	J	0.00034	J
Cl3-BZ#19	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl3-BZ#21/#33	MG/KG		0.00031	J	0.00091	U	0.00009	J	0.00093	U	0.00096	U	0.00018	J
Cl3-BZ#22	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00023	J
Cl3-BZ#24/#27	MG/KG		0.00011	J	0.00091	U	0.00094	U	0.00093	U	0.00096	U	0.00093	U
Cl3-BZ#25	MG/KG		0.00043	J	0.00046	U	0.00015	J	0.00047	U	0.00048	U	0.00016	J
Cl3-BZ#26	MG/KG		0.0014		0.00014	J	0.00021	J	0.00014	J	0.00023	J	0.00047	
Cl3-BZ#28/#31	MG/KG		0.012		0.002		0.0026		0.0024		0.0035		0.0091	
Cl3-BZ#29	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl3-BZ#37	MG/KG		0.00052		0.00016	J	0.0002	J	0.00021	J	0.00033	J	0.00059	
Cl4-BZ#40	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#41/#71	MG/KG		0.0013		0.00019	J	0.00045	J	0.00036	J	0.0004	J	0.00058	J
Cl4-BZ#42	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#43/#49	MG/KG		0.0012		0.00018	J	0.00037	J	0.00036	J	0.00039	J	0.00059	J
Cl4-BZ#44	MG/KG		0.00026	J	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#45	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#46	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#47/#48	MG/KG		0.0042		0.0012		0.0017		0.0034		0.0021		0.0044	
Cl4-BZ#50	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#51	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#52	MG/KG		0.0024		0.00035	J	0.00043	J	0.00047		0.00065		0.00093	
Cl4-BZ#53	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#54	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#56/#60	MG/KG		0.001		0.00031	J	0.00038	J	0.00062	J	0.00043	J	0.001	
Cl4-BZ#63	MG/KG		0.00031	J	0.00011	J	0.00013	J	0.00026	J	0.00016	J	0.00034	J
Cl4-BZ#64	MG/KG		0.00093		0.00016	J	0.00039	J	0.00031	J	0.00036	J	0.00061	
Cl4-BZ#66	MG/KG		0.0044		0.0019		0.0023		0.005		0.0028		0.0051	
Cl4-BZ#70	MG/KG		0.00084		0.00016	J	0.00029	J	0.00031	J	0.0003	J	0.0004	J
Cl4-BZ#74	MG/KG		0.0047		0.0016		0.0023		0.0037		0.0024		0.0052	
Cl4-BZ#76	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl4-BZ#77	MG/KG		0.00031	J	0.00023	J	0.00026	J	0.00052		0.0003	J	0.00067	
Cl4-BZ#81	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#82	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#83	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#85	MG/KG		0.00083		0.0005		0.00059		0.0016		0.00085		0.0011	
Cl5-BZ#87	MG/KG		0.00078		0.00037	J	0.00046	J	0.0011		0.00066		0.00091	
Cl5-BZ#89	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#91	MG/KG		0.00014	J	0.00046	U	0.00017	J	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#92	MG/KG		0.00079		0.00026	J	0.00042	J	0.00055		0.00045	J	0.00058	
Cl5-BZ#95	MG/KG		0.00033	J	0.00046	U	0.00029	J	0.00017	J	0.00031	J	0.00019	J
Cl5-BZ#97	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#99	MG/KG		0.0061		0.0031		0.0045		0.012		0.0051		0.007	
Cl5-BZ#100	MG/KG		0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2004

	Sample#	NBH04-L-E-1		NBH04-L-A-2		NBH04-L-B-2		NBH04-L-C-2		NBH04-L-D-2		NBH04-L-E-2	
Cl5-BZ#101/#84	MG/KG	0.0026		0.00084	J	0.0011		0.002		0.0016		0.0017	
Cl5-BZ#104	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#105	MG/KG	0.0021		0.0014		0.0015		0.0042		0.0019		0.0034	
Cl5-BZ#107	MG/KG	0.00064		0.00037	J	0.00057		0.0014		0.00061		0.00091	
Cl5-BZ#110	MG/KG	0.0019		0.00052		0.001		0.00096		0.0013		0.001	
Cl5-BZ#114	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00029	J	0.00013	J	0.00026	J
Cl5-BZ#118	MG/KG	0.013		0.0087		0.011		0.026		0.012		0.02	
Cl5-BZ#119	MG/KG	0.00044	J	0.00016	J	0.00032	J	0.00075		0.00029	J	0.00041	J
Cl5-BZ#123	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00045	J
Cl5-BZ#124	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl5-BZ#126	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00009	J
Cl6-BZ#129	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl6-BZ#130	MG/KG	0.00023	J	0.00017	J	0.00022	J	0.00051		0.00027	J	0.00036	J
Cl6-BZ#131	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl6-BZ#132/#168	MG/KG	0.00095	U	0.00091	U	0.00094	U	0.00093	U	0.00096	U	0.00093	U
Cl6-BZ#134	MG/KG	0.00048	U	0.00046	U	0.00021	J	0.00055		0.00048	U	0.00047	U
Cl6-BZ#135/#144	MG/KG	0.00023	J	0.00091	U	0.00012	J	0.00024	J	0.00015	J	0.00023	J
Cl6-BZ#136	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl6-BZ#137	MG/KG	0.00044	J	0.00029	J	0.00027	J	0.00082		0.00039	J	0.00066	
Cl6-BZ#138/#163	MG/KG	0.0057		0.0042		0.0053		0.015		0.0067		0.0087	
Cl6-BZ#141	MG/KG	0.00015	J	0.00046	U	0.0001	J	0.00047	U	0.00048	U	0.00047	U
Cl6-BZ#146	MG/KG	0.0016		0.0012		0.0015		0.0046		0.0018		0.0027	
Cl6-BZ#147	MG/KG	0.00052		0.00024	J	0.00027	J	0.00085		0.00054		0.00057	
Cl6-BZ#149	MG/KG	0.00062		0.00046	U	0.00044	J	0.00054		0.00067		0.0005	
Cl6-BZ#151	MG/KG	0.00018	J	0.00046	U	0.00016	J	0.00021	J	0.00016	J	0.00012	J
Cl6-BZ#153	MG/KG	0.011		0.0074		0.0098		0.031		0.01		0.017	
Cl6-BZ#154	MG/KG	0.00014	J	0.00046	U	0.00047	U	0.0001	J	0.00048	U	0.00047	U
Cl6-BZ#155	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl6-BZ#156	MG/KG	0.0008		0.00059		0.00063		0.0019		0.00074		0.0012	
Cl6-BZ#157	MG/KG	0.00027	J	0.00016	J	0.00021	J	0.00046	J	0.00025	J	0.00028	J
Cl6-BZ#158	MG/KG	0.00059		0.00033	J	0.00043	J	0.0014		0.00062		0.00082	
Cl6-BZ#167/#128	MG/KG	0.0017		0.0014		0.0016		0.0044		0.0019		0.0027	
Cl6-BZ#169	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#170/#190	MG/KG	0.00047	J	0.00091	U	0.00094	U	0.0014		0.00061	J	0.00096	
Cl7-BZ#171	MG/KG	0.00013	J	0.00015	J	0.00015	J	0.00025	J	0.00016	J	0.00019	J
Cl7-BZ#172	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00021	J	0.00012	J	0.00015	J
Cl7-BZ#173	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#174	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#175	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#176	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#177	MG/KG	0.00048	U	0.00011	J	0.00021	J	0.00039	J	0.00017	J	0.00027	J
Cl7-BZ#178	MG/KG	0.00022	J	0.00019	J	0.00018	J	0.00042	J	0.00016	J	0.00027	J
Cl7-BZ#180	MG/KG	0.00089		0.0007		0.00072		0.0026		0.00092		0.0015	
Cl7-BZ#182/#187	MG/KG	0.001		0.00081	J	0.00081	J	0.0025		0.001		0.0015	
Cl7-BZ#183	MG/KG	0.00031	J	0.00018	J	0.00031	J	0.00062		0.00027	J	0.00036	J
Cl7-BZ#184	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#185	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#188	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#189	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#191	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl7-BZ#193	MG/KG	0.00011	J	0.00046	U	0.0001	J	0.00021	J	0.00013	J	0.0002	J
Cl8-BZ#194	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00032	J	0.00048	U	0.00047	U
Cl8-BZ#195	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl8-BZ#196/203	MG/KG	0.00095	U	0.00091	U	0.00094	U	0.00093	U	0.00096	U	0.00093	U
Cl8-BZ#197	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl8-BZ#199	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl8-BZ#200	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl8-BZ#201	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl8-BZ#202	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00011	J
Cl8-BZ#205	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl9-BZ#206	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl9-BZ#207	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl9-BZ#208	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Cl10-BZ#209	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Aroclor-1232	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Aroclor-1242	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2004

	Sample#	NBH04-L-E-1		NBH04-L-A-2		NBH04-L-B-2		NBH04-L-C-2		NBH04-L-D-2		NBH04-L-E-2	
Aroclor-1248	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Aroclor-1254	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U
Aroclor-1260	MG/KG	0.00048	U	0.00046	U	0.00047	U	0.00047	U	0.00048	U	0.00047	U

Table 1B Sample Data for Lobster Tomalley (mg/kg wet weight) Areas I and II 2004

Parameter	Units	Sample#	NBH04-L-E-1		NBH04-L-A-2		NBH04-L-B-2		NBH04-L-C-2		NBH04-L-D-2		NBH04-L-E-2	
		Species	Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley	
		Area	I		II		II		II		II		II	
		Station	Station E		Station A		Station B		Station C		Station D		Station E	
		Weight (grams)	3.44		3.34		3.23		3.23		3.38		3.44	
Lipids	PERCENT		33		24		21		23		21		17	
Total PCB Congeners[1]	MG/KG		31	J4	9.4	J4	11	J4	12	J4	13	J4	21	J4
Total PCB Congeners Hits[2]	MG/KG		31		9.4		11		12		13		21	
Total NOAA Congeners[3]	MG/KG		20	J4	6.5	J4	7.5	J4	8.4	J4	8.4	J4	14	J4
Total WHO Congeners[4]	MG/KG		6.1	J4	2.4	J4	2.6	J4	2.9	J4	2.9	J4	5.1	J4
Total NOAA / WHO Combined[5]	MG/KG		20	J4	6.7	J4	7.7	J4	8.7	J4	8.7	J4	14	J4
Total Aroclors[5]	MG/KG		2.4	J4	1.3	J4	1.2	J4	1.8	J4	1.6	J4	2.2	J4
Cl1-BZ#1	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl1-BZ#3	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl2-BZ#4/#10	MG/KG		0.019		0.0015	U	0.0016	U	0.00154	U	0.0026		0.0054	
Cl2-BZ#5/#8	MG/KG		0.068		0.0048		0.0054		0.0037		0.0085		0.019	
Cl2-BZ#6	MG/KG		0.023		0.0011		0.0018		0.0011		0.0027		0.0049	
Cl2-BZ#7	MG/KG		0.0057		0.00048	J	0.0007	J	0.0004	J	0.00086		0.0017	
Cl2-BZ#12/#13	MG/KG		0.056		0.0023		0.0036		0.0017		0.0054		0.016	
Cl2-BZ#15	MG/KG		0.11		0.0092		0.01		0.0068		0.018		0.048	
Cl3-BZ#16/#32	MG/KG		0.25		0.019		0.026		0.015		0.036		0.089	
Cl3-BZ#17	MG/KG		0.09		0.0046		0.0097		0.0048		0.012		0.021	
Cl3-BZ#18	MG/KG		0.13		0.0045		0.016		0.0064		0.017		0.034	
Cl3-BZ#19	MG/KG		0.0031		0.00031	J	0.00062	J	0.00026	J	0.00065	J	0.00099	
Cl3-BZ#21/#33	MG/KG		0.048		0.0055		0.0073		0.0057		0.0088		0.016	
Cl3-BZ#22	MG/KG		0.086		0.0075		0.01		0.005		0.012		0.023	
Cl3-BZ#24/#27	MG/KG		0.016		0.00063	J	0.0026		0.0008	J	0.0022		0.0042	
Cl3-BZ#25	MG/KG		0.079		0.0026		0.011		0.0033		0.0089		0.018	
Cl3-BZ#26	MG/KG		0.24		0.0093		0.024		0.012		0.027		0.057	
Cl3-BZ#28/#31	MG/KG		3.2		0.3		0.39		0.25		0.51		1.4	
Cl3-BZ#29	MG/KG		0.0012		0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl3-BZ#37	MG/KG		0.14		0.022		0.024		0.016		0.033		0.084	
Cl4-BZ#40	MG/KG		0.014		0.0019		0.0042		0.0023		0.00074	U	0.00073	U
Cl4-BZ#41/#71	MG/KG		0.28		0.027		0.06		0.034		0.052		0.083	
Cl4-BZ#42	MG/KG		0.011		0.0013	U	0.005		0.0015		0.0034		0.0038	
Cl4-BZ#43/#49	MG/KG		0.25		0.016		0.051		0.026		0.05		0.072	
Cl4-BZ#44	MG/KG		0.033		0.0025	U	0.0079		0.0032		0.0079		0.01	
Cl4-BZ#45	MG/KG		0.0058		0.00075	U	0.0013		0.0007	J	0.0012		0.0018	
Cl4-BZ#46	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl4-BZ#47/#48	MG/KG		1.2		0.22		0.29		0.28		0.35		0.74	
Cl4-BZ#50	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl4-BZ#51	MG/KG		0.012		0.00073	J	0.0017		0.00096		0.0018		0.0033	
Cl4-BZ#52	MG/KG		0.56		0.046		0.057		0.058		0.09		0.14	
Cl4-BZ#53	MG/KG		0.0079		0.00075	U	0.0028		0.00077	U	0.0019		0.0026	
Cl4-BZ#54	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl4-BZ#56/#60	MG/KG		0.27		0.045		0.054		0.053		0.073		0.16	
Cl4-BZ#63	MG/KG		0.094		0.021		0.027		0.024		0.032		0.065	
Cl4-BZ#64	MG/KG		0.22		0.031		0.06		0.029		0.058		0.096	
Cl4-BZ#66	MG/KG		1.4		0.33		0.4		0.44		0.51		0.82	
Cl4-BZ#70	MG/KG		0.2		0.027		0.036		0.04		0.045		0.061	
Cl4-BZ#74	MG/KG		1.1		0.22		0.29		0.27		0.34		0.8	
Cl4-BZ#76	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl4-BZ#77	MG/KG		0.14		0.04		0.05		0.042		0.052		0.12	
Cl4-BZ#81	MG/KG		0.0069		0.0014		0.002		0.0016		0.0023		0.0048	
Cl5-BZ#82	MG/KG		0.0048		0.0014		0.0022		0.0019		0.0022		0.0021	
Cl5-BZ#83	MG/KG		0.0098		0.0032		0.0068		0.0046		0.0061		0.0047	
Cl5-BZ#85	MG/KG		0.24		0.096		0.095		0.14		0.15		0.19	
Cl5-BZ#87	MG/KG		0.22		0.067		0.086		0.091		0.1		0.17	
Cl5-BZ#89	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl5-BZ#91	MG/KG		0.024		0.0044		0.014		0.0049		0.011		0.0097	
Cl5-BZ#92	MG/KG		0.2		0.058		0.067		0.073		0.079		0.096	
Cl5-BZ#95	MG/KG		0.045		0.0073		0.014		0.009		0.017		0.016	
Cl5-BZ#97	MG/KG		0.0095		0.00075	U	0.0065		0.00077	U	0.006		0.0051	
Cl5-BZ#99	MG/KG		2.2		0.64		0.91		0.97		0.93		1.4	
Cl5-BZ#100	MG/KG		0.029		0.0053		0.0079		0.0081		0.0098		0.013	
Cl5-BZ#101/#84	MG/KG		0.78		0.19		0.2		0.24		0.29		0.34	
Cl5-BZ#104	MG/KG		0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl5-BZ#105	MG/KG		0.78		0.27		0.28		0.37		0.38		0.62	
Cl5-BZ#107	MG/KG		0.23		0.093		0.11		0.14		0.14		0.18	
Cl5-BZ#110	MG/KG		0.49		0.12		0.17		0.11		0.2		0.18	
Cl5-BZ#114	MG/KG		0.042		0.012		0.014		0.015		0.017		0.034	
Cl5-BZ#118	MG/KG		4.1		1.6		1.8		1.8		1.8		3.4	
Cl5-BZ#119	MG/KG		0.14		0.034		0.054		0.06		0.061		0.072	

Table 1B Sample Data for Lobster Tomalley (mg/kg wet weight) Areas I and II 2004

	Sample#	NBH04-L-E-1		NBH04-L-A-2		NBH04-L-B-2		NBH04-L-C-2		NBH04-L-D-2		NBH04-L-E-2	
Cl5-BZ#123	MG/KG	0.085		0.026		0.033		0.036		0.037		0.067	
Cl5-BZ#124	MG/KG	0.019		0.0046		0.0061		0.0058		0.0076		0.0079	
Cl5-BZ#126	MG/KG	0.016		0.006		0.0089		0.0074		0.008		0.015	
Cl6-BZ#129	MG/KG	0.0059		0.0026		0.0029		0.0032		0.00074	U	0.0054	
Cl6-BZ#130	MG/KG	0.084		0.034		0.037		0.052		0.058		0.061	
Cl6-BZ#131	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl6-BZ#132/#168	MG/KG	0.0014	U	0.0015	U	0.0016	U	0.0016	U	0.0015	U	0.0014	U
Cl6-BZ#134	MG/KG	0.063		0.028		0.035		0.041		0.041		0.058	
Cl6-BZ#135/#144	MG/KG	0.051		0.016		0.021		0.021		0.029		0.026	
Cl6-BZ#136	MG/KG	0.0018		0.00048	J	0.0012		0.00043	J	0.0015		0.0012	
Cl6-BZ#137	MG/KG	0.12		0.048		0.049		0.069		0.07		0.11	
Cl6-BZ#138/#163	MG/KG	2.3		1		1.2		1.4		1.4		1.8	
Cl6-BZ#141	MG/KG	0.029		0.0086		0.0079		0.0085		0.013		0.009	
Cl6-BZ#146	MG/KG	0.69		0.31		0.36		0.46		0.42		0.57	
Cl6-BZ#147	MG/KG	0.12		0.036		0.048		0.052		0.061		0.092	
Cl6-BZ#149	MG/KG	0.19		0.061		0.083		0.069		0.12		0.088	
Cl6-BZ#151	MG/KG	0.043		0.016		0.021		0.021		0.022		0.016	
Cl6-BZ#153	MG/KG	4.8		2		2.4		2.8		2.4		3.8	
Cl6-BZ#154	MG/KG	0.038		0.0083		0.017		0.015		0.016		0.016	
Cl6-BZ#155	MG/KG	0.00047	J	0.00075	U	0.00025	J	0.00077	U	0.00025	J	0.00023	J
Cl6-BZ#156	MG/KG	0.26		0.12		0.12		0.16		0.16		0.24	
Cl6-BZ#157	MG/KG	0.057		0.029		0.029		0.041		0.037		0.053	
Cl6-BZ#158	MG/KG	0.22		0.082		0.09		0.12		0.13		0.17	
Cl6-BZ#167/#128	MG/KG	0.6		0.29		0.3		0.42		0.39		0.54	
Cl6-BZ#169	MG/KG	0.00042	J	0.00021	J	0.00077	UJ	0.00036	J	0.00028	J	0.00051	J
Cl7-BZ#170/#190	MG/KG	0.16	J	0.08	J	0.075	J	0.12	J	0.11	J	0.15	J
Cl7-BZ#171	MG/KG	0.033		0.015		0.017		0.022		0.022		0.026	
Cl7-BZ#172	MG/KG	0.023		0.012		0.012		0.018		0.016		0.021	
Cl7-BZ#173	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl7-BZ#174	MG/KG	0.0091		0.0042		0.0039		0.0034		0.0075		0.0044	
Cl7-BZ#175	MG/KG	0.00073	U	0.0038		0.0037		0.0046		0.0052		0.0067	
Cl7-BZ#176	MG/KG	0.00042	J	0.00075	U	0.00031	J	0.00077	U	0.0004	J	0.00026	J
Cl7-BZ#177	MG/KG	0.047		0.023		0.026		0.033		0.039		0.039	
Cl7-BZ#178	MG/KG	0.047		0.023		0.025		0.033		0.031		0.042	
Cl7-BZ#180	MG/KG	0.35		0.19		0.17		0.26		0.22		0.32	
Cl7-BZ#182/#187	MG/KG	0.34		0.17		0.17		0.22		0.22		0.32	
Cl7-BZ#183	MG/KG	0.089		0.04		0.041		0.052		0.048		0.065	
Cl7-BZ#184	MG/KG	0.00017	J	0.00075	U	0.00015	J	0.00077	U	0.00074	U	0.00073	U
Cl7-BZ#185	MG/KG	0.00094		0.00034	J	0.00036	J	0.00034	J	0.00043	J	0.00038	J
Cl7-BZ#188	MG/KG	0.0027		0.0012		0.0012		0.0012		0.0014		0.0021	
Cl7-BZ#189	MG/KG	0.01		0.0057		0.0052		0.0077		0.0071		0.0096	
Cl7-BZ#191	MG/KG	0.0093		0.0044		0.0043		0.0054		0.0054		0.0077	
Cl7-BZ#193	MG/KG	0.025		0.013		0.014		0.019		0.017		0.024	
Cl8-BZ#194	MG/KG	0.027		0.017		0.014		0.023		0.019		0.025	
Cl8-BZ#195	MG/KG	0.0073		0.0036		0.0031		0.0045		0.0048		0.0066	
Cl8-BZ#196/203	MG/KG	0.037		0.02		0.016		0.023		0.021		0.032	
Cl8-BZ#197	MG/KG	0.0015		0.00093		0.0011		0.001		0.00096		0.0012	
Cl8-BZ#199	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Cl8-BZ#200	MG/KG	0.0065		0.0037		0.0035		0.004		0.004		0.0052	
Cl8-BZ#201	MG/KG	0.029		0.018		0.014		0.022		0.021		0.026	
Cl8-BZ#202	MG/KG	0.015		0.0082		0.0081		0.0098		0.0093		0.012	
Cl8-BZ#205	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00091		0.00074	U	0.0009	
Cl9-BZ#206	MG/KG	0.009		0.0064		0.0036		0.0059		0.0057		0.0071	
Cl9-BZ#207	MG/KG	0.0015		0.0011		0.00087		0.00082		0.001		0.0012	
Cl9-BZ#208	MG/KG	0.0046		0.0036		0.0023		0.0025		0.0031		0.0034	
Cl10-BZ#209	MG/KG	0.0022		0.0019		0.0011		0.0012		0.0016		0.0015	
Aroclor-1232	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Aroclor-1242	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Aroclor-1248	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Aroclor-1254	MG/KG	0.00073	U	0.00075	U	0.00077	U	0.00077	U	0.00074	U	0.00073	U
Aroclor-1260	MG/KG	2.4		1.3		1.2		1.8		1.6		2.2	

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2004

Parameter	Units	Sample# / Species / Area / Station / Weight (grams)		NBH04-L-A-3 Lobster / Meat III Station A 5.48		NBH04-L-B-3 Lobster / Meat III Station B 5.34		NBH04-L-C-3 Lobster / Meat III Station C 5.22		NBH04-L-D-3 Lobster / Meat III Station D 5.35		NBH04-L-E-3 Lobster / Meat III Station E 5.13	
Lipids	PERCENT		0.16		0.21		0.13		0.11		0.10	U
Total PCB Congeners[1]	MG/KG		0.054	J2	0.077	J2	0.050	J2	0.073	J2	0.047	J2
Total PCB Congeners Hits[2]	MG/KG		0.034		0.058		0.025		0.054		0.024	
Total NOAA Congeners[3]	MG/KG		0.024	J3	0.040	J3	0.021	J3	0.039	J3	0.019	J3
Total WHO Congeners[4]	MG/KG		0.010	J2	0.015	J3	0.009	J2	0.014	J3	0.0082	J2
Total NOAA / WHO Combined[5]	MG/KG		0.026	J2	0.043	J3	0.023	J2	0.041	J3	0.021	J2
Total Aroclors[6]	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl1-BZ#1	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl1-BZ#3	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl2-BZ#4/#10	MG/KG		0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl2-BZ#5/#8	MG/KG		0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl2-BZ#6	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl2-BZ#7	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl2-BZ#12/#13	MG/KG		0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl2-BZ#15	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#16/#32	MG/KG		0.0001	J	0.00022	J	0.00011	J	0.00022	J	0.00018	J
Cl3-BZ#17	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#18	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#19	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#21/#33	MG/KG		0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl3-BZ#22	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#24/#27	MG/KG		0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl3-BZ#25	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#26	MG/KG		0.00046	U	0.00014	J	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#28/#31	MG/KG		0.0014		0.0018		0.00081	J	0.0013		0.00066	J
Cl3-BZ#29	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl3-BZ#37	MG/KG		0.00012	J	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#40	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#41/#71	MG/KG		0.00026	J	0.00024	J	0.00096	U	0.00018	J	0.00012	J
Cl4-BZ#42	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#43/#49	MG/KG		0.00022	J	0.00022	J	0.00096	U	0.0002	J	0.00014	J
Cl4-BZ#44	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#45	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#46	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#47/#48	MG/KG		0.00096		0.0017		0.00055	J	0.0013		0.00059	J
Cl4-BZ#50	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#51	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#52	MG/KG		0.00027	J	0.00043	J	0.00048	U	0.00029	J	0.00019	J
Cl4-BZ#53	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#54	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#56/#60	MG/KG		0.00015	J	0.00033	J	0.00096	U	0.00025	J	0.00097	U
Cl4-BZ#63	MG/KG		0.0001	J	0.00016	J	0.00048	U	0.00012	J	0.00049	U
Cl4-BZ#64	MG/KG		0.00014	J	0.00023	J	0.00048	U	0.00022	J	0.00015	J
Cl4-BZ#66	MG/KG		0.0013		0.002		0.001		0.0017		0.00085	
Cl4-BZ#70	MG/KG		0.00021	J	0.00024	J	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#74	MG/KG		0.0011		0.0017		0.00069		0.0011		0.00071	
Cl4-BZ#76	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl4-BZ#77	MG/KG		0.00046	U	0.00022	J	0.00048	U	0.00018	J	0.00049	U
Cl4-BZ#81	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#82	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#83	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#85	MG/KG		0.00046		0.00067		0.00024	J	0.00062		0.00033	J
Cl5-BZ#87	MG/KG		0.00046	U	0.00055		0.00048	U	0.00037	J	0.00022	J
Cl5-BZ#89	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#91	MG/KG		0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#92	MG/KG		0.0002	J	0.00036	J	0.00048	U	0.00021	J	0.00049	U
Cl5-BZ#95	MG/KG		0.00015	J	0.00018	J	0.00048	U	0.00021	J	0.00017	J

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2004

	Sample#	NBH04-L-A-3		NBH04-L-B-3		NBH04-L-C-3		NBH04-L-D-3		NBH04-L-E-3	
Cl5-BZ#97	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#99	MG/KG	0.003		0.0043		0.0015		0.004		0.0017	
Cl5-BZ#100	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#101/#84	MG/KG	0.00064	J	0.0015		0.00037	J	0.00071	J	0.00043	J
Cl5-BZ#104	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#105	MG/KG	0.001		0.0014		0.00087		0.0013		0.00078	
Cl5-BZ#107	MG/KG	0.00033	J	0.00071		0.00025	J	0.0005		0.00035	J
Cl5-BZ#110	MG/KG	0.00053		0.00069		0.0002	J	0.00039	J	0.00024	J
Cl5-BZ#114	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#118	MG/KG	0.0061		0.0091		0.0046		0.0086		0.0043	
Cl5-BZ#119	MG/KG	0.0002	J	0.00034	J	0.00048	U	0.00025	J	0.00049	U
Cl5-BZ#123	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#124	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl5-BZ#126	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl6-BZ#129	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl6-BZ#130	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00017	J	0.00049	U
Cl6-BZ#131	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl6-BZ#132/#168	MG/KG	0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl6-BZ#134	MG/KG	0.00016	J	0.00047	U	0.00011	J	0.00025	J	0.00049	U
Cl6-BZ#135/#144	MG/KG	0.00091	U	0.0001	J	0.00096	U	0.00093	U	0.00097	U
Cl6-BZ#136	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl6-BZ#137	MG/KG	0.00026	J	0.00032	J	0.00018	J	0.00037	J	0.00049	U
Cl6-BZ#138/#163	MG/KG	0.0036		0.006		0.0027		0.0062		0.0026	
Cl6-BZ#141	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00012	J	0.00049	U
Cl6-BZ#146	MG/KG	0.00099		0.002		0.0011		0.002		0.00094	
Cl6-BZ#147	MG/KG	0.00024	J	0.00036	J	0.00013	J	0.00023	J	0.00016	J
Cl6-BZ#149	MG/KG	0.0003	J	0.00041	J	0.00048	U	0.0003	J	0.00049	U
Cl6-BZ#151	MG/KG	0.00046	U	0.00019	J	0.00048	U	0.00047	U	0.00049	U
Cl6-BZ#153	MG/KG	0.006		0.012		0.0064		0.012		0.0048	
Cl6-BZ#154	MG/KG	0.00046	U	0.00012	J	0.00048	U	0.00012	J	0.00049	U
Cl6-BZ#155	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl6-BZ#156	MG/KG	0.00037	J	0.00077		0.00045	J	0.00071		0.00033	J
Cl6-BZ#157	MG/KG	0.00013	J	0.00024	J	0.00015	J	0.00021	J	0.00015	J
Cl6-BZ#158	MG/KG	0.00028	J	0.00045	J	0.00017	J	0.0005		0.00019	J
Cl6-BZ#167/#128	MG/KG	0.0011		0.0018		0.001		0.0019		0.00094	J
Cl6-BZ#169	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#170/#190	MG/KG	0.00033	J	0.00057	J	0.0003	J	0.00073	J	0.00038	J
Cl7-BZ#171	MG/KG	0.00046	U	0.00016	J	0.00048	U	0.00015	J	0.00049	U
Cl7-BZ#172	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#173	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#174	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#175	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#176	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#177	MG/KG	0.00046	U	0.00022	J	0.00048	U	0.00021	J	0.00049	U
Cl7-BZ#178	MG/KG	0.00046	U	0.00022	J	0.00011	J	0.00022	J	0.00049	U
Cl7-BZ#180	MG/KG	0.00057		0.0011		0.00063		0.0013		0.00057	
Cl7-BZ#182/#187	MG/KG	0.00062	J	0.0013		0.00068	J	0.0014		0.00062	J
Cl7-BZ#183	MG/KG	0.00018	J	0.00029	J	0.00018	J	0.00034	J	0.0002	J
Cl7-BZ#184	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#185	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#188	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#189	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#191	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl7-BZ#193	MG/KG	0.00046	U	0.00013	J	0.00048	U	0.00017	J	0.00049	U
Cl8-BZ#194	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl8-BZ#195	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl8-BZ#196/203	MG/KG	0.00091	U	0.00094	U	0.00096	U	0.00093	U	0.00097	U
Cl8-BZ#197	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl8-BZ#199	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl8-BZ#200	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl8-BZ#201	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00017	J
Cl8-BZ#202	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2004

	Sample#	NBH04-L-A-3		NBH04-L-B-3		NBH04-L-C-3		NBH04-L-D-3		NBH04-L-E-3	
Cl8-BZ#205	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl9-BZ#206	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl9-BZ#207	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl9-BZ#208	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Cl10-BZ#209	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Aroclor-1232	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Aroclor-1242	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Aroclor-1248	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Aroclor-1254	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U
Aroclor-1260	MG/KG	0.00046	U	0.00047	U	0.00048	U	0.00047	U	0.00049	U

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2004

Parameter	Units	Sample#	NBH04-L-A-3		NBH04-L-B-3		NBH04-L-C-3		NBH04-L-D-3		NBH04-L-E-3	
		Species	Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley		Lobster / Tomalley	
		Area	III		III		III		III		III	
		Station	Station A		Station B		Station C		Station D		Station E	
		Weight (grams)	3.41		3.4		3.13		3.28		3.48	
Lipids	PERCENT		16		18		15		17		27	
Total PCB Congeners[1]	MG/KG		5.0	J4	6.1	J4	5.0	J4	7.8	J4	4.9	J4
Total PCB Congeners Hits[2]	MG/KG		5.0		6.1		4.9		7.8		4.9	
Total NOAA Congeners[3]	MG/KG		2.8	J4	4.2	J4	3.6	J4	5.7	J4	3.5	J4
Total WHO Congeners[4]	MG/KG		0.99	J4	1.4	J4	1.2	J4	1.8	J4	1.2	J4
Total NOAA / WHO Combined[5]	MG/KG		2.9	J4	4.3	J4	3.8	J4	5.9	J4	3.6	J4
Total Aroclors[6]	MG/KG		0.44	J4	0.86	J4	0.83	J4	1.6	J4	0.84	J4
Cl1-BZ#1	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl1-BZ#3	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl2-BZ#4/#10	MG/KG		0.00146	U	0.00148	U	0.0016	U	0.00152	U	0.00144	U
Cl2-BZ#5/#8	MG/KG		0.0018		0.0013	J	0.0019		0.0022		0.0028	
Cl2-BZ#6	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl2-BZ#7	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00027	J
Cl2-BZ#12/#13	MG/KG		0.001	J	0.00056	J	0.00069	J	0.00067	J	0.00092	J
Cl2-BZ#15	MG/KG		0.0037		0.0014		0.0031		0.0028		0.0027	
Cl3-BZ#16/#32	MG/KG		0.0072		0.0068		0.0074		0.009		0.0098	
Cl3-BZ#17	MG/KG		0.0019		0.0015		0.001		0.0012		0.0018	
Cl3-BZ#18	MG/KG		0.0032		0.0019		0.0012		0.002		0.0018	
Cl3-BZ#19	MG/KG		0.00019	J	0.00016	J	0.0008	U	0.00076	U	0.00072	U
Cl3-BZ#21/#33	MG/KG		0.0023		0.0018		0.002		0.0022		0.0029	
Cl3-BZ#22	MG/KG		0.0026		0.0019		0.0014		0.0014		0.0018	
Cl3-BZ#24/#27	MG/KG		0.00053	J	0.0004	J	0.0016	U	0.0015	U	0.00034	J
Cl3-BZ#25	MG/KG		0.0018		0.00099		0.00062	J	0.00087		0.001	
Cl3-BZ#26	MG/KG		0.0045		0.0047		0.0026		0.0029		0.0037	
Cl3-BZ#28/#31	MG/KG		0.11		0.16		0.088		0.11		0.087	
Cl3-BZ#29	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl3-BZ#37	MG/KG		0.0093		0.0063		0.007		0.0078		0.0054	
Cl4-BZ#40	MG/KG		0.00073	U	0.00078		0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#41/#71	MG/KG		0.013		0.011		0.005		0.0088		0.0085	
Cl4-BZ#42	MG/KG		0.00082	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#43/#49	MG/KG		0.012		0.011		0.004		0.011		0.0064	
Cl4-BZ#44	MG/KG		0.0015	U	0.001	U	0.0008	U	0.0014	U	0.00075	U
Cl4-BZ#45	MG/KG		0.00022	J	0.00074	U	0.0008	U	0.00029	J	0.00072	U
Cl4-BZ#46	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#47/#48	MG/KG		0.09		0.2		0.078		0.12		0.088	
Cl4-BZ#50	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#51	MG/KG		0.00045	J	0.00047	J	0.00043	J	0.00053	J	0.00043	J
Cl4-BZ#52	MG/KG		0.015		0.026		0.016		0.017		0.019	
Cl4-BZ#53	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#54	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#56/#60	MG/KG		0.016		0.029		0.015		0.023		0.017	
Cl4-BZ#63	MG/KG		0.0078		0.013		0.0078		0.0098		0.0086	
Cl4-BZ#64	MG/KG		0.014		0.016		0.012		0.014		0.015	
Cl4-BZ#66	MG/KG		0.14		0.2		0.14		0.2		0.15	
Cl4-BZ#70	MG/KG		0.012		0.012		0.0081		0.01		0.01	
Cl4-BZ#74	MG/KG		0.085		0.16		0.088		0.13		0.094	
Cl4-BZ#76	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl4-BZ#77	MG/KG		0.019		0.02		0.017		0.02		0.014	
Cl4-BZ#81	MG/KG		0.00057	J	0.00099		0.00072	J	0.00067	J	0.00062	J
Cl5-BZ#82	MG/KG		0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl5-BZ#83	MG/KG		0.0021		0.0014		0.0008	U	0.0013		0.00096	
Cl5-BZ#85	MG/KG		0.04		0.051		0.043		0.072		0.049	
Cl5-BZ#87	MG/KG		0.028		0.043		0.032		0.043		0.033	
Cl5-BZ#89	MG/KG		0.0022		0.00074	U	0.0008	U	0.00076	U	0.00072	U

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2004

	Sample#	NBH04-L-A-3		NBH04-L-B-3		NBH04-L-C-3		NBH04-L-D-3		NBH04-L-E-3	
Cl5-BZ#91	MG/KG	0.0028		0.0021		0.0008	U	0.0018		0.0011	
Cl5-BZ#92	MG/KG	0.022		0.02		0.018		0.018		0.018	
Cl5-BZ#95	MG/KG	0.0038		0.0038		0.0017		0.0037		0.0024	
Cl5-BZ#97	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl5-BZ#99	MG/KG	0.33		0.45		0.29		0.52		0.32	
Cl5-BZ#100	MG/KG	0.0026		0.0044		0.0022		0.0039		0.0026	
Cl5-BZ#101/#84	MG/KG	0.072		0.13		0.064		0.077		0.073	
Cl5-BZ#104	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl5-BZ#105	MG/KG	0.098		0.14		0.13		0.16		0.13	
Cl5-BZ#107	MG/KG	0.039		0.07		0.048		0.063		0.053	
Cl5-BZ#110	MG/KG	0.048		0.039		0.023		0.031		0.033	
Cl5-BZ#114	MG/KG	0.0044		0.0081		0.0061		0.0094		0.006	
Cl5-BZ#118	MG/KG	0.69		0.92		0.78		1.2		0.78	
Cl5-BZ#119	MG/KG	0.019		0.031		0.014		0.025		0.016	
Cl5-BZ#123	MG/KG	0.01		0.017		0.012		0.018		0.013	
Cl5-BZ#124	MG/KG	0.002		0.0018		0.0012		0.0015		0.0014	
Cl5-BZ#126	MG/KG	0.0026		0.004		0.004		0.0049		0.0035	
Cl6-BZ#129	MG/KG	0.00097		0.00074	U	0.0014		0.0028		0.0014	
Cl6-BZ#130	MG/KG	0.014		0.019		0.015		0.021		0.018	
Cl6-BZ#131	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl6-BZ#132/#168	MG/KG	0.9		0.0015	U	0.0016	U	0.0015	U	0.0014	U
Cl6-BZ#134	MG/KG	0.012		0.016		0.014		0.021		0.014	
Cl6-BZ#135/#144	MG/KG	0.0061		0.0058		0.0054		0.005		0.0063	
Cl6-BZ#136	MG/KG	0.00035	J	0.00028	J	0.0008	U	0.00027	J	0.00072	U
Cl6-BZ#137	MG/KG	0.018		0.026		0.022		0.041		0.026	
Cl6-BZ#138/#163	MG/KG	0.44		0.61		0.54		0.94		0.59	
Cl6-BZ#141	MG/KG	0.0031		0.00074	U	0.0017		0.0021		0.0022	
Cl6-BZ#146	MG/KG	0.12		0.23		0.2		0.31		0.2	
Cl6-BZ#147	MG/KG	0.015		0.027		0.018		0.02		0.018	
Cl6-BZ#149	MG/KG	0.026		0.029		0.014		0.022		0.019	
Cl6-BZ#151	MG/KG	0.0075		0.0074		0.0039		0.0053		0.0039	
Cl6-BZ#153	MG/KG	0.98		1.5		1.4		2.2		1.2	
Cl6-BZ#154	MG/KG	0.005		0.0059		0.0036		0.011		0.0044	
Cl6-BZ#155	MG/KG	0.00073	U	0.00019	J	0.0008	U	0.00058	J	0.00072	U
Cl6-BZ#156	MG/KG	0.042		0.073		0.074		0.1		0.068	
Cl6-BZ#157	MG/KG	0.01		0.019		0.021		0.028		0.018	
Cl6-BZ#158	MG/KG	0.034		0.048		0.03		0.067		0.041	
Cl6-BZ#167/#128	MG/KG	0.11		0.18		0.17		0.26		0.17	
Cl6-BZ#169	MG/KG	0.00073	UJ	0.00019	J	0.00022	J	0.00076	UJ	0.00072	UJ
Cl7-BZ#170/#190	MG/KG	0.029	J	0.053	J	0.053	J	0.094	J	0.05	J
Cl7-BZ#171	MG/KG	0.0065		0.012		0.0095		0.019		0.0095	
Cl7-BZ#172	MG/KG	0.0046		0.007		0.0064		0.012		0.0075	
Cl7-BZ#173	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl7-BZ#174	MG/KG	0.0016		0.0015		0.0012		0.0011		0.0016	
Cl7-BZ#175	MG/KG	0.0014		0.0027		0.0022		0.0042		0.0025	
Cl7-BZ#176	MG/KG	0.00021	J	0.00021	J	0.0008	U	0.00076	U	0.00072	U
Cl7-BZ#177	MG/KG	0.0094		0.011		0.013		0.014		0.014	
Cl7-BZ#178	MG/KG	0.0094		0.015		0.013		0.024		0.014	
Cl7-BZ#180	MG/KG	0.062		0.12		0.12		0.22		0.12	
Cl7-BZ#182/#187	MG/KG	0.06		0.14		0.12		0.21		0.12	
Cl7-BZ#183	MG/KG	0.015		0.026		0.021		0.05		0.022	
Cl7-BZ#184	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00029	J	0.00072	U
Cl7-BZ#185	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl7-BZ#188	MG/KG	0.00041	J	0.001		0.00062	J	0.0013		0.00073	
Cl7-BZ#189	MG/KG	0.0019		0.0042		0.0038		0.0059		0.0036	
Cl7-BZ#191	MG/KG	0.0014		0.0028		0.0024		0.0042		0.0025	
Cl7-BZ#193	MG/KG	0.0051		0.0085		0.0087		0.014		0.0087	
Cl8-BZ#194	MG/KG	0.0056		0.012		0.012		0.023		0.012	
Cl8-BZ#195	MG/KG	0.0012		0.0028		0.0025		0.0051		0.0025	

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2004

	Sample#	NBH04-L-A-3		NBH04-L-B-3		NBH04-L-C-3		NBH04-L-D-3		NBH04-L-E-3	
Cl8-BZ#196/203	MG/KG	0.0063		0.013		0.012		0.026		0.013	
Cl8-BZ#197	MG/KG	0.00044	J	0.00069	J	0.00061	J	0.0016		0.0007	J
Cl8-BZ#199	MG/KG	0.00073	U	0.00074	U	0.00024	J	0.00076	U	0.00072	U
Cl8-BZ#200	MG/KG	0.0014		0.0028		0.0024		0.0057		0.0027	
Cl8-BZ#201	MG/KG	0.0061		0.012		0.012		0.025		0.014	
Cl8-BZ#202	MG/KG	0.003		0.0058		0.0056		0.012		0.0063	
Cl8-BZ#205	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Cl9-BZ#206	MG/KG	0.0017		0.0045		0.0039		0.0093		0.0047	
Cl9-BZ#207	MG/KG	0.0004	J	0.00066	J	0.00053	J	0.0015		0.00078	
Cl9-BZ#208	MG/KG	0.0012		0.0021		0.0019		0.0043		0.0026	
Cl10-BZ#209	MG/KG	0.00048	J	0.0013		0.0011		0.0025		0.0015	
Aroclor-1232	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Aroclor-1242	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Aroclor-1248	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Aroclor-1254	MG/KG	0.00073	U	0.00074	U	0.0008	U	0.00076	U	0.00072	U
Aroclor-1260	MG/KG	0.44		0.86		0.83		1.6		0.84	

Table 2 Sample Data for Blue Crab (mg/kg wet weight) Area I 2004

Parameter	Units	Sample# / Species / Area / Station	NBH04-L-A-1 Blue Crabs I Station A		NBH04-L-B-1 Blue Crabs I Station B		NBH04-L-C-1 Blue Crabs I Station C		NBH04-L-D-1 Blue Crabs I Station D	
Lipids	PERCENT		0.65		0.14		0.10	U	0.57	
Total PCB Congeners[1]	MG/KG		13	J4	2.1	J4	5.9	J4	6.0	J4
Total PCB Congeners Hits[2]	MG/KG		13		2.1		5.9		6.0	
Total NOAA Congeners[3]	MG/KG		6.9	J4	1.1	J4	2.7	J4	3.2	J4
Total WHO Congeners[4]	MG/KG		0.76	J4	0.20	J4	0.22	J4	0.65	J4
Total NOAA / WHO Combined[5]	MG/KG		7.0	J4	1.1	J4	2.8	J4	3.2	J4
Total Aroclors[6]	MG/KG		0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl1-BZ#1	MG/KG		0.00047	J	0.00048	U	0.00013	J	0.00046	U
Cl1-BZ#3	MG/KG		0.00032	J	0.00048	U	0.00046	U	0.00046	U
Cl2-BZ#4/#10	MG/KG		0.018		0.0016		0.0078		0.0024	
Cl2-BZ#5/#8	MG/KG		0.064		0.0063		0.031		0.02	
Cl2-BZ#6	MG/KG		0.062		0.0035		0.026		0.0099	
Cl2-BZ#7	MG/KG		0.00048	UJ	0.00025	J	0.0016		0.00085	
Cl2-BZ#12/#13	MG/KG		0.058		0.0039		0.018		0.012	
Cl2-BZ#15	MG/KG		0.12		0.012		0.027		0.021	
Cl3-BZ#16/#32	MG/KG		0.12		0.02		0.11		0.039	
Cl3-BZ#17	MG/KG		0.069		0.012		0.07		0.023	
Cl3-BZ#18	MG/KG		0.22		0.028		0.18		0.036	
Cl3-BZ#19	MG/KG		0.0099	J	0.00074		0.0063		0.0014	
Cl3-BZ#21/#33	MG/KG		0.014		0.0031		0.01		0.005	
Cl3-BZ#22	MG/KG		0.036		0.0082		0.022		0.021	
Cl3-BZ#24/#27	MG/KG		0.037		0.0038		0.03		0.0067	
Cl3-BZ#25	MG/KG		0.36		0.035		0.19		0.089	
Cl3-BZ#26	MG/KG		0.54	J	0.058		0.35		0.13	
Cl3-BZ#28/#31	MG/KG		3.5	J	0.4		1.2		1.1	
Cl3-BZ#29	MG/KG		0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl3-BZ#37	MG/KG		0.056		0.013		0.018		0.023	
Cl4-BZ#40	MG/KG		0.00048	UJ	0.0033		0.011		0.007	
Cl4-BZ#41/#71	MG/KG		0.22		0.025		0.09		0.076	
Cl4-BZ#42	MG/KG		0.067		0.0096		0.042		0.022	
Cl4-BZ#43/#49	MG/KG		0.52		0.1		0.42		0.21	
Cl4-BZ#44	MG/KG		0.074		0.014		0.06		0.022	
Cl4-BZ#45	MG/KG		0.0038	J	0.00064		0.0028		0.00097	
Cl4-BZ#46	MG/KG		0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl4-BZ#47/#48	MG/KG		1.3	J	0.13		0.36		0.45	
Cl4-BZ#50	MG/KG		0.0014	J	0.00026	J	0.0013		0.00038	J
Cl4-BZ#51	MG/KG		0.03		0.0053		0.034		0.0079	
Cl4-BZ#52	MG/KG		0.61	J	0.13		0.6		0.2	
Cl4-BZ#53	MG/KG		0.045		0.0032		0.033		0.007	
Cl4-BZ#54	MG/KG		0.0004	J	0.00048	U	0.00032	J	0.00046	U
Cl4-BZ#56/#60	MG/KG		0.068		0.026		0.026		0.053	
Cl4-BZ#63	MG/KG		0.03		0.0047		0.0085		0.016	
Cl4-BZ#64	MG/KG		0.15		0.026		0.13		0.045	
Cl4-BZ#66	MG/KG		0.37		0.087		0.11		0.22	
Cl4-BZ#70	MG/KG		0.08		0.019		0.041		0.036	
Cl4-BZ#74	MG/KG		0.35		0.069		0.1		0.2	
Cl4-BZ#76	MG/KG		0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl4-BZ#77	MG/KG		0.029	J	0.0074		0.0088		0.02	
Cl4-BZ#81	MG/KG		0.0016	J	0.00065		0.00043	J	0.0011	
Cl5-BZ#82	MG/KG		0.002		0.00048	U	0.0014		0.0012	
Cl5-BZ#83	MG/KG		0.0078		0.0016		0.0057		0.0035	
Cl5-BZ#85	MG/KG		0.032		0.0088		0.0088		0.026	
Cl5-BZ#87	MG/KG		0.054	J	0.01		0.017		0.033	
Cl5-BZ#89	MG/KG		0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl5-BZ#91	MG/KG		0.095		0.015		0.056		0.04	
Cl5-BZ#92	MG/KG		0.048		0.012		0.036		0.026	

Table 2 Sample Data for Blue Crab (mg/kg wet weight) Area I 2004

	Sample#	NBH04-L-A-1		NBH04-L-B-1		NBH04-L-C-1		NBH04-L-D-1	
Cl5-BZ#95	MG/KG	0.055	J	0.014		0.048		0.029	
Cl5-BZ#97	MG/KG	0.077		0.012		0.034		0.023	
Cl5-BZ#99	MG/KG	0.83	J	0.14		0.23		0.53	
Cl5-BZ#100	MG/KG	0.051		0.0051		0.015		0.021	
Cl5-BZ#101/#84	MG/KG	0.37		0.068		0.17		0.16	
Cl5-BZ#104	MG/KG	0.00033	J	0.00048	U	0.00038	J	0.00014	J
Cl5-BZ#105	MG/KG	0.052	J	0.022		0.015		0.053	
Cl5-BZ#107	MG/KG	0.044		0.0088		0.011		0.03	
Cl5-BZ#110	MG/KG	0.25		0.042		0.13		0.1	
Cl5-BZ#114	MG/KG	0.0074	J	0.002		0.0021		0.0057	
Cl5-BZ#118	MG/KG	0.56	J	0.14		0.16		0.48	
Cl5-BZ#119	MG/KG	0.13		0.014		0.036		0.065	
Cl5-BZ#123	MG/KG	0.02	J	0.0045		0.0066		0.014	
Cl5-BZ#124	MG/KG	0.0067		0.0015		0.0031		0.0032	
Cl5-BZ#126	MG/KG	0.002	J	0.00046	J	0.00031	J	0.0018	
Cl6-BZ#129	MG/KG	0.002		0.00056		0.001		0.001	
Cl6-BZ#130	MG/KG	0.01		0.0024		0.0031		0.0059	
Cl6-BZ#131	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl6-BZ#132/#168	MG/KG	0.00096	U	0.00096	U	0.00093	U	0.00093	U
Cl6-BZ#134	MG/KG	0.016		0.0031		0.006		0.0088	
Cl6-BZ#135/#144	MG/KG	0.018		0.0038		0.011		0.0084	
Cl6-BZ#136	MG/KG	0.006		0.0011		0.0043		0.0025	
Cl6-BZ#137	MG/KG	0.015		0.0043		0.004		0.013	
Cl6-BZ#138/#163	MG/KG	0.29		0.064		0.079		0.23	
Cl6-BZ#141	MG/KG	0.0053		0.0017		0.0027		0.0023	
Cl6-BZ#146	MG/KG	0.094		0.019		0.024		0.071	
Cl6-BZ#147	MG/KG	0.041		0.0056		0.012		0.019	
Cl6-BZ#149	MG/KG	0.22		0.035		0.094		0.095	
Cl6-BZ#151	MG/KG	0.016	J	0.004		0.011		0.0079	
Cl6-BZ#153	MG/KG	0.59	J	0.12		0.15		0.5	
Cl6-BZ#154	MG/KG	0.044		0.005		0.011		0.025	
Cl6-BZ#155	MG/KG	0.00053	J	0.00048	U	0.00015	J	0.00032	J
Cl6-BZ#156	MG/KG	0.025	J	0.0071		0.0062		0.021	
Cl6-BZ#157	MG/KG	0.0036	J	0.0012		0.00097		0.0038	
Cl6-BZ#158	MG/KG	0.038	J	0.0081		0.01		0.026	
Cl6-BZ#167/#128	MG/KG	0.056	J	0.015		0.015		0.051	
Cl6-BZ#169	MG/KG	0.00048	UJ	0.00048	U	0.00046	U	0.00046	U
Cl7-BZ#170/#190	MG/KG	0.017	J	0.0038		0.0044		0.013	
Cl7-BZ#171	MG/KG	0.0048		0.0011		0.0014		0.0036	
Cl7-BZ#172	MG/KG	0.0036		0.00073		0.0009		0.0021	
Cl7-BZ#173	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U
Cl7-BZ#174	MG/KG	0.0031	J	0.00075		0.0015		0.0012	
Cl7-BZ#175	MG/KG	0.001		0.00027	J	0.00024	J	0.00054	
Cl7-BZ#176	MG/KG	0.00059		0.00026	J	0.00031	J	0.00028	J
Cl7-BZ#177	MG/KG	0.0061	J	0.0012		0.002		0.0039	
Cl7-BZ#178	MG/KG	0.0092		0.0018		0.0027		0.0053	
Cl7-BZ#180	MG/KG	0.035	J	0.0085		0.0087		0.031	
Cl7-BZ#182/#187	MG/KG	0.062	J	0.01		0.016		0.045	
Cl7-BZ#183	MG/KG	0.014	J	0.0027		0.0036		0.01	
Cl7-BZ#184	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.0001	J
Cl7-BZ#185	MG/KG	0.00059		0.00048	U	0.00037	J	0.0002	J
Cl7-BZ#188	MG/KG	0.0013	J	0.00021	J	0.00034	J	0.00078	
Cl7-BZ#189	MG/KG	0.0011	J	0.00033	J	0.00031	J	0.001	
Cl7-BZ#191	MG/KG	0.0011		0.00035	J	0.00029	J	0.00089	
Cl7-BZ#193	MG/KG	0.0038		0.00073		0.001		0.0031	
Cl8-BZ#194	MG/KG	0.0034	J	0.00064		0.00077		0.0027	
Cl8-BZ#195	MG/KG	0.0012	J	0.00034	J	0.00037	J	0.00078	
Cl8-BZ#196/203	MG/KG	0.0063		0.001		0.0014		0.0037	
Cl8-BZ#197	MG/KG	0.00034	J	0.00048	U	0.00046	U	0.00018	J
Cl8-BZ#199	MG/KG	0.00026	J	0.00048	U	0.00046	U	0.00046	U
Cl8-BZ#200	MG/KG	0.001	J	0.0002	J	0.00028	J	0.00065	

Table 2 Sample Data for Blue Crab (mg/kg wet weight) Area I 2004

	Sample#	NBH04-L-A-1		NBH04-L-B-1		NBH04-L-C-1		NBH04-L-D-1	
Cl8-BZ#201	MG/KG	0.0054	J	0.001		0.0014		0.0032	
Cl8-BZ#202	MG/KG	0.0024	J	0.00045	J	0.00075		0.0014	
Cl8-BZ#205	MG/KG	0.00048	UJ	0.00048	U	0.00046	U	0.00046	U
Cl9-BZ#206	MG/KG	0.0016	J	0.0003	J	0.00046		0.00083	
Cl9-BZ#207	MG/KG	0.00025	J	0.00048	U	0.00046	U	0.00019	J
Cl9-BZ#208	MG/KG	0.00089	J	0.00017	J	0.00019	J	0.00043	J
Cl10-BZ#209	MG/KG	0.00036	J	0.00048	U	0.00046	U	0.0001	J
Aroclor-1232	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U
Aroclor-1242	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U
Aroclor-1248	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U
Aroclor-1254	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U
Aroclor-1260	MG/KG	0.00048	U	0.00048	U	0.00046	U	0.00046	U

Table 3A Sample Data for Quahogs (mg/kg wet weight) Area I 2004

Parameter	Units	Sample#	NBH04-SF-A-1		NBH04-SF-B-1		NBH04-SF-C-1		NBH04-SF-D-1		NBH04-SF-E-1	
		Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
		Area	I		I		I		I		I	
		Station	Station A		Station B		Station C		Station D		Station E	
Lipids	PERCENT		0.41		0.29		0.30		0.38		0.48	
Total PCB Congeners[1]	MG/KG		0.73	J4	0.64	J4	1.7	J4	2.3	J4	6.1	J4
Total PCB Congeners Hits[2]	MG/KG		0.72		0.63		1.6		2.3		6.1	
Total NOAA Congeners[3]	MG/KG		0.32	J4	0.25	J4	0.72	J4	0.97	J4	2.6	J4
Total WHO Congeners[4]	MG/KG		0.05	J3	0.04	J4	0.10	J4	0.14	J4	0.29	J4
Total NOAA / WHO Combined[5]	MG/KG		0.33	J4	0.26	J4	0.73	J4	0.99	J4	2.6	J4
Total Aroclors[6]	MG/KG		0.76	J4	0.63	J4	1.6	J4	2.2	J4	4.9	J4
Cl1-BZ#1	MG/KG		0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl1-BZ#3	MG/KG		0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.0003	J
Cl2-BZ#4/#10	MG/KG		0.001		0.00093		0.0024		0.0031		0.012	
Cl2-BZ#5/#8	MG/KG		0.0018		0.0018		0.0049		0.0081		0.037	
Cl2-BZ#6	MG/KG		0.001		0.0011		0.0035		0.0065		0.033	
Cl2-BZ#7	MG/KG		0.0002	J	0.00025	J	0.00058		0.00081		0.0029	
Cl2-BZ#12/#13	MG/KG		0.0023		0.0021		0.0053		0.0075		0.026	
Cl2-BZ#15	MG/KG		0.0025		0.0026		0.0061		0.0083		0.025	
Cl3-BZ#16/#32	MG/KG		0.007		0.0066		0.018		0.024		0.088	
Cl3-BZ#17	MG/KG		0.0057		0.0054		0.014		0.02		0.071	
Cl3-BZ#18	MG/KG		0.014		0.013		0.034		0.047		0.16	
Cl3-BZ#19	MG/KG		0.00075		0.0008		0.002		0.0028		0.011	
Cl3-BZ#21/#33	MG/KG		0.0033		0.0033		0.0081		0.011		0.03	
Cl3-BZ#22	MG/KG		0.0048		0.0047		0.012		0.016		0.042	
Cl3-BZ#24/#27	MG/KG		0.0024		0.0022		0.0059		0.008		0.03	
Cl3-BZ#25	MG/KG		0.014		0.014		0.036		0.051		0.18	
Cl3-BZ#26	MG/KG		0.024		0.022		0.061		0.086		0.3	
Cl3-BZ#28/#31	MG/KG		0.076		0.034		0.19		0.25		0.74	
Cl3-BZ#29	MG/KG		0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl3-BZ#37	MG/KG		0.0034		0.003		0.0072		0.011		0.021	
Cl4-BZ#40	MG/KG		0.0029		0.0028		0.0067		0.0086		0.024	
Cl4-BZ#41/#71	MG/KG		0.015		0.014		0.036		0.05		0.14	
Cl4-BZ#42	MG/KG		0.0051		0.0047		0.012		0.017		0.048	
Cl4-BZ#43/#49	MG/KG		0.05		0.048		0.12		0.17		0.5	
Cl4-BZ#44	MG/KG		0.014		0.013		0.034		0.044		0.13	
Cl4-BZ#45	MG/KG		0.0014		0.0013		0.0032		0.0041		0.013	
Cl4-BZ#46	MG/KG		0.00048	U	0.00049	U	0.0022		0.0031		0.01	
Cl4-BZ#47/#48	MG/KG		0.023		0.022		0.053		0.069		0.2	
Cl4-BZ#50	MG/KG		0.00048	U	0.00012	J	0.00029	J	0.0003	J	0.00087	
Cl4-BZ#51	MG/KG		0.0011		0.0011		0.0029		0.0044		0.017	
Cl4-BZ#52	MG/KG		0.05		0.045		0.12		0.16		0.49	
Cl4-BZ#53	MG/KG		0.0033		0.0032		0.0081		0.011		0.042	
Cl4-BZ#54	MG/KG		0.00048	U	0.00049	U	0.00023	J	0.00027	J	0.0008	
Cl4-BZ#56/#60	MG/KG		0.0087		0.0079		0.021		0.028		0.057	
Cl4-BZ#63	MG/KG		0.0019		0.0018		0.0039		0.0052		0.012	
Cl4-BZ#64	MG/KG		0.0074		0.0074		0.019		0.025		0.084	
Cl4-BZ#66	MG/KG		0.021		0.018		0.047		0.062		0.13	
Cl4-BZ#70	MG/KG		0.018		0.016		0.042		0.058		0.11	
Cl4-BZ#74	MG/KG		0.014		0.012		0.032		0.044		0.1	
Cl4-BZ#76	MG/KG		0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl4-BZ#77	MG/KG		0.0028		0.0025		0.0056		0.0082		0.017	
Cl4-BZ#81	MG/KG		0.00048	U	0.00049	U	0.0008		0.00087		0.0014	
Cl5-BZ#82	MG/KG		0.0013		0.0013		0.0029		0.0037		0.0065	
Cl5-BZ#83	MG/KG		0.0017		0.0015		0.0036		0.0048		0.012	
Cl5-BZ#85	MG/KG		0.0031		0.0027		0.0064		0.0082		0.014	
Cl5-BZ#87	MG/KG		0.0072		0.0066		0.017		0.022		0.041	
Cl5-BZ#89	MG/KG		0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl5-BZ#91	MG/KG		0.0071		0.0067		0.017		0.024		0.072	

Table 3A Sample Data for Quahogs (mg/kg wet weight) Area I 2004

	Sample#	NBH04-SF-A-1		NBH04-SF-B-1		NBH04-SF-C-1		NBH04-SF-D-1		NBH04-SF-E-1	
Cl5-BZ#92	MG/KG	0.0074		0.0069		0.016		0.021		0.051	
Cl5-BZ#95	MG/KG	0.013		0.012		0.031		0.04		0.12	
Cl5-BZ#97	MG/KG	0.0078		0.0076		0.018		0.025		0.056	
Cl5-BZ#99	MG/KG	0.028		0.027		0.061		0.084		0.21	
Cl5-BZ#100	MG/KG	0.00093		0.00086		0.002		0.0027		0.0087	
Cl5-BZ#101/#84	MG/KG	0.039		0.036		0.087		0.12		0.28	
Cl5-BZ#104	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00021	J
Cl5-BZ#105	MG/KG	0.0065		0.0056		0.013		0.018		0.028	
Cl5-BZ#107	MG/KG	0.0034		0.0032		0.0067		0.0088		0.018	
Cl5-BZ#110	MG/KG	0.034		0.031		0.077		0.11		0.26	
Cl5-BZ#114	MG/KG	0.00042	J	0.00039	J	0.00092		0.0013		0.0029	
Cl5-BZ#118	MG/KG	0.032		0.027		0.065		0.095		0.19	
Cl5-BZ#119	MG/KG	0.003		0.0028		0.0066		0.0093		0.028	
Cl5-BZ#123	MG/KG	0.0013		0.0013		0.0029		0.004		0.009	
Cl5-BZ#124	MG/KG	0.001		0.001		0.0023		0.0031		0.0067	
Cl5-BZ#126	MG/KG	0.00048	U	0.00023	J	0.0004	J	0.0006		0.001	
Cl6-BZ#129	MG/KG	0.00055		0.00054		0.0012		0.0016		0.0032	
Cl6-BZ#130	MG/KG	0.0016		0.0014		0.003		0.0039		0.0069	
Cl6-BZ#131	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.042	
Cl6-BZ#132/#168	MG/KG	0.00048	U	0.0031		0.00049	U	0.0005	U	0.00048	U
Cl6-BZ#134	MG/KG	0.0018		0.0017		0.0037		0.0049		0.012	
Cl6-BZ#135/#144	MG/KG	0.0034		0.0034		0.0075		0.0098		0.025	
Cl6-BZ#136	MG/KG	0.0018		0.0018		0.0046		0.0059		0.016	
Cl6-BZ#137	MG/KG	0.0014		0.0013		0.0028		0.0038		0.0072	
Cl6-BZ#138/#163	MG/KG	0.022		0.02		0.041		0.06		0.12	
Cl6-BZ#141	MG/KG	0.0014		0.0015		0.003		0.0045		0.0087	
Cl6-BZ#146	MG/KG	0.0064		0.0058		0.012		0.016		0.036	
Cl6-BZ#147	MG/KG	0.0019		0.0018		0.0037		0.0052		0.013	
Cl6-BZ#149	MG/KG	0.018		0.018		0.04		0.056		0.14	
Cl6-BZ#151	MG/KG	0.0023		0.002		0.0044		0.0066		0.018	
Cl6-BZ#153	MG/KG	0.029		0.027		0.055		0.076		0.18	
Cl6-BZ#154	MG/KG	0.001		0.001		0.0019		0.003		0.0092	
Cl6-BZ#155	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00012	J
Cl6-BZ#156	MG/KG	0.002		0.0019		0.004		0.0059		0.012	
Cl6-BZ#157	MG/KG	0.00055		0.00051		0.00094		0.0011		0.0022	
Cl6-BZ#158	MG/KG	0.0015		0.0012		0.0026		0.0044		0.01	
Cl6-BZ#167/#128	MG/KG	0.0045		0.0018		0.008		0.0059		0.023	
Cl6-BZ#169	MG/KG	0.00048	U	0.00013	J	0.00049	U	0.0005	U	0.00048	U
Cl7-BZ#170/#190	MG/KG	0.0016		0.0012		0.0026		0.0036		0.0086	
Cl7-BZ#171	MG/KG	0.00034	J	0.00027	J	0.00049		0.00075		0.0017	
Cl7-BZ#172	MG/KG	0.00035	J	0.00041	J	0.0007		0.001		0.0019	
Cl7-BZ#173	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl7-BZ#174	MG/KG	0.00096		0.00093		0.002		0.0025		0.0052	
Cl7-BZ#175	MG/KG	0.00048	U	0.00011	J	0.00024	J	0.00022	J	0.00051	
Cl7-BZ#176	MG/KG	0.00021	J	0.00018	J	0.00026	J	0.00036	J	0.00074	
Cl7-BZ#177	MG/KG	0.001		0.0011		0.002		0.0026		0.0049	
Cl7-BZ#178	MG/KG	0.00058		0.00057		0.001		0.0013		0.0034	
Cl7-BZ#180	MG/KG	0.0035		0.0034		0.0064		0.0088		0.019	
Cl7-BZ#182/#187	MG/KG	0.004		0.0037		0.0071		0.01		0.023	
Cl7-BZ#183	MG/KG	0.00078		0.00063		0.0013		0.0016		0.004	
Cl7-BZ#184	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl7-BZ#185	MG/KG	0.00048	U	0.00049	U	0.00013	J	0.00016	J	0.00038	J
Cl7-BZ#188	MG/KG	0.00048	U	0.00049	U	0.00013	J	0.00021	J	0.00036	J
Cl7-BZ#189	MG/KG	0.00026	J	0.00013	J	0.00031	J	0.00035	J	0.00062	
Cl7-BZ#191	MG/KG	0.00011	J	0.00049	U	0.00019	J	0.00025	J	0.0005	
Cl7-BZ#193	MG/KG	0.00032	J	0.00041	J	0.00064		0.00083		0.0018	
Cl8-BZ#194	MG/KG	0.0006		0.00045	J	0.00094		0.0011		0.0031	
Cl8-BZ#195	MG/KG	0.00048	U	0.00016	J	0.00022	J	0.00055		0.00092	
Cl8-BZ#196/203	MG/KG	0.00052		0.00048	J	0.00085		0.0013		0.0033	

Table 3A Sample Data for Quahogs (mg/kg wet weight) Area I 2004

	Sample#	NBH04-SF-A-1		NBH04-SF-B-1		NBH04-SF-C-1		NBH04-SF-D-1		NBH04-SF-E-1	
Cl8-BZ#197	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl8-BZ#199	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.00015	J	0.00026	J
Cl8-BZ#200	MG/KG	0.00018	J	0.00016	J	0.00015	J	0.00025	J	0.00053	
Cl8-BZ#201	MG/KG	0.00064		0.00048	J	0.00077		0.0012		0.003	
Cl8-BZ#202	MG/KG	0.00028	J	0.00026	J	0.00044	J	0.0006		0.0011	
Cl8-BZ#205	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl9-BZ#206	MG/KG	0.00034	J	0.00036	J	0.00062		0.00071		0.0016	
Cl9-BZ#207	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Cl9-BZ#208	MG/KG	0.00019	J	0.00018	J	0.00033	J	0.00042	J	0.00088	
Cl10-BZ#209	MG/KG	0.00015	J	0.00049	U	0.00023	J	0.00027	J	0.00049	
Aroclor-1232	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Aroclor-1242	MG/KG	0.00048	U	0.00049	U	0.00049	U	0.0005	U	0.00048	U
Aroclor-1248	MG/KG	0.3		0.28		0.71		0.96		2.5	
Aroclor-1254	MG/KG	0.43		0.33		0.88		1.2		2.2	
Aroclor-1260	MG/KG	0.028		0.024		0.045		0.064		0.15	

Table 3B Sample Data for Quahogs (mg/kg wet weight) Area II 2004

Parameter	Units	Sample#	NBH04-SF-A-2		NBH04-SF-B-2		NBH04-SF-C-2		NBH04-SF-D-2		NBH04-SF-E-2	
		Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
		Area	II		II		II		II		II	
		Station	Station A		Station B		Station C		Station D		Station E	
Lipids	PERCENT		0.35		0.10	U	0.37		0.10	U	0.24	
Total PCB Congeners[1]	MG/KG		0.098	J2	0.067	J2	0.288	J3	0.18	J3	0.78	J4
Total PCB Congeners Hits[2]	MG/KG		0.086		0.053		0.281		0.17		0.77	
Total NOAA Congeners[3]	MG/KG		0.041	J3	0.025	J3	0.124	J4	0.074	J4	0.34	J4
Total WHO Congeners[4]	MG/KG		0.0098	J2	0.0066	J2	0.020	J3	0.011	J2	0.047	J3
Total NOAA / WHO Combined[5]	MG/KG		0.044	J3	0.027	J3	0.13	J4	0.077	J3	0.34	J4
Total Aroclors[6]	MG/KG		0.10	J4	0.065	J4	0.29	J4	0.17	J4	0.79	J4
Cl1-BZ#1	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl1-BZ#3	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl2-BZ#4/#10	MG/KG		0.00049	U	0.00049	U	0.00033	J	0.00033	J	0.0027	
Cl2-BZ#5/#8	MG/KG		0.00049	U	0.00049	U	0.0006		0.00059		0.0057	
Cl2-BZ#6	MG/KG		0.00049	U	0.00049	U	0.00026	J	0.0004	J	0.0029	
Cl2-BZ#7	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00072	
Cl2-BZ#12/#13	MG/KG		0.00058		0.00023	J	0.00066		0.00068		0.0015	
Cl2-BZ#15	MG/KG		0.00013	J	0.00015	J	0.00076		0.00063		0.0034	
Cl3-BZ#16/#32	MG/KG		0.00036	J	0.00043	J	0.0022		0.0019		0.013	
Cl3-BZ#17	MG/KG		0.00034	J	0.00034	J	0.0016		0.0015		0.0096	
Cl3-BZ#18	MG/KG		0.0007		0.0004	J	0.0043		0.0033		0.023	
Cl3-BZ#19	MG/KG		0.00049	U	0.00049	U	0.00036	J	0.00027	J	0.002	
Cl3-BZ#21/#33	MG/KG		0.00041	J	0.00028	J	0.0013		0.00087		0.0056	
Cl3-BZ#22	MG/KG		0.00031	J	0.00028	J	0.0014		0.0013		0.0049	
Cl3-BZ#24/#27	MG/KG		0.00049	U	0.00049	U	0.00061		0.00061		0.003	
Cl3-BZ#25	MG/KG		0.00053		0.00035	J	0.0036		0.0034		0.011	
Cl3-BZ#26	MG/KG		0.0011		0.00067		0.0071		0.0055		0.02	
Cl3-BZ#28/#31	MG/KG		0.0034		0.0024		0.021		0.017		0.069	
Cl3-BZ#29	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl3-BZ#37	MG/KG		0.00036	J	0.00023	J	0.001		0.00075		0.0035	
Cl4-BZ#40	MG/KG		0.00031	J	0.00027	J	0.0012		0.00073		0.0028	
Cl4-BZ#41/#71	MG/KG		0.001		0.00063		0.0048		0.0032		0.017	
Cl4-BZ#42	MG/KG		0.00056		0.00033	J	0.002		0.0015		0.0052	
Cl4-BZ#43/#49	MG/KG		0.0035		0.0022		0.017		0.012		0.053	
Cl4-BZ#44	MG/KG		0.0014		0.00094		0.0058		0.0034		0.015	
Cl4-BZ#45	MG/KG		0.00049	U	0.00049	U	0.00052		0.00048	U	0.0023	
Cl4-BZ#46	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.001	
Cl4-BZ#47/#48	MG/KG		0.0018		0.0013		0.0085		0.0053		0.025	
Cl4-BZ#50	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00023	J
Cl4-BZ#51	MG/KG		0.00049	U	0.00049	U	0.00045	J	0.00036	J	0.0025	
Cl4-BZ#52	MG/KG		0.0042		0.0025		0.02		0.012		0.063	
Cl4-BZ#53	MG/KG		0.00023	J	0.00016	J	0.001		0.00086		0.006	
Cl4-BZ#54	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00019	J
Cl4-BZ#56/#60	MG/KG		0.0009		0.00055		0.0028		0.0021		0.0089	
Cl4-BZ#63	MG/KG		0.00052		0.00028	J	0.00072		0.00048		0.0015	
Cl4-BZ#64	MG/KG		0.00065		0.00039	J	0.003		0.0019		0.0096	
Cl4-BZ#66	MG/KG		0.0028		0.0019		0.0073		0.0047		0.021	
Cl4-BZ#70	MG/KG		0.0021		0.0015		0.0062		0.0041		0.02	
Cl4-BZ#74	MG/KG		0.0012		0.00075		0.0041		0.003		0.012	
Cl4-BZ#76	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl4-BZ#77	MG/KG		0.00045	J	0.00027	J	0.001		0.00059		0.0021	
Cl4-BZ#81	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00033	J
Cl5-BZ#82	MG/KG		0.00049	U	0.00049	U	0.00068		0.0004	J	0.0015	
Cl5-BZ#83	MG/KG		0.0003	J	0.00049	U	0.00097		0.00057		0.0018	
Cl5-BZ#85	MG/KG		0.00065		0.00045	J	0.0018		0.00084		0.0034	
Cl5-BZ#87	MG/KG		0.0012		0.00088		0.0035		0.0018		0.0091	
Cl5-BZ#89	MG/KG		0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl5-BZ#91	MG/KG		0.00069		0.00043	J	0.0028		0.0019		0.0081	

Table 3B Sample Data for Quahogs (mg/kg wet weight) Area II 2004

	Sample#	NBH04-SF-A-2		NBH04-SF-B-2		NBH04-SF-C-2		NBH04-SF-D-2		NBH04-SF-E-2	
Cl5-BZ#92	MG/KG	0.0014		0.00079		0.004		0.002		0.0074	
Cl5-BZ#95	MG/KG	0.002		0.0012		0.0069		0.0036		0.018	
Cl5-BZ#97	MG/KG	0.0012		0.00076		0.0032		0.0019		0.0076	
Cl5-BZ#99	MG/KG	0.0047		0.0028		0.012		0.0067		0.026	
Cl5-BZ#100	MG/KG	0.00015	J	0.00049	U	0.00038	J	0.0003	J	0.0011	
Cl5-BZ#101/#84	MG/KG	0.0065		0.0038		0.017		0.0096		0.041	
Cl5-BZ#104	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl5-BZ#105	MG/KG	0.0012		0.00072		0.0026		0.0015		0.0066	
Cl5-BZ#107	MG/KG	0.00084		0.00054		0.0017		0.00092		0.0032	
Cl5-BZ#110	MG/KG	0.0044		0.0027		0.014		0.008		0.034	
Cl5-BZ#114	MG/KG	0.00049	U	0.00049	U	0.00022	J	0.00048	U	0.00063	
Cl5-BZ#118	MG/KG	0.0052		0.0031		0.011		0.0061		0.029	
Cl5-BZ#119	MG/KG	0.00047	J	0.00036	J	0.0012		0.00079		0.0032	
Cl5-BZ#123	MG/KG	0.00016	J	0.00049	U	0.00068		0.00035	J	0.00049	U
Cl5-BZ#124	MG/KG	0.00049	U	0.00049	U	0.00047	J	0.00027	J	0.0012	
Cl5-BZ#126	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl6-BZ#129	MG/KG	0.00012	J	0.00049	U	0.00033	J	0.00016	J	0.00067	
Cl6-BZ#130	MG/KG	0.00043	J	0.00034	J	0.0011		0.00049		0.0018	
Cl6-BZ#131	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl6-BZ#132/#168	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl6-BZ#134	MG/KG	0.00038	J	0.00026	J	0.0009		0.00044	J	0.002	
Cl6-BZ#135/#144	MG/KG	0.0008		0.00057		0.0024		0.0011		0.0042	
Cl6-BZ#136	MG/KG	0.00035	J	0.00026	J	0.0011		0.00058		0.0027	
Cl6-BZ#137	MG/KG	0.0003	J	0.00017	J	0.00068		0.00036	J	0.0017	
Cl6-BZ#138/#163	MG/KG	0.0048		0.0029		0.012		0.0056		0.022	
Cl6-BZ#141	MG/KG	0.00031	J	0.00025	J	0.00071		0.00039	J	0.0019	
Cl6-BZ#146	MG/KG	0.0016		0.00091		0.0034		0.0017		0.0059	
Cl6-BZ#147	MG/KG	0.00026	J	0.00021	J	0.00076		0.00045	J	0.0017	
Cl6-BZ#149	MG/KG	0.0029		0.0019		0.0089		0.0045		0.018	
Cl6-BZ#151	MG/KG	0.0004	J	0.00028	J	0.0013		0.0007		0.0028	
Cl6-BZ#153	MG/KG	0.0069		0.0036		0.014		0.0064		0.026	
Cl6-BZ#154	MG/KG	0.00049	U	0.00049	U	0.0004	J	0.00027	J	0.0011	
Cl6-BZ#155	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl6-BZ#156	MG/KG	0.00047	J	0.00027	J	0.00097		0.00039	J	0.0025	
Cl6-BZ#157	MG/KG	0.00017	J	0.00015	J	0.00035	J	0.00014	J	0.00045	J
Cl6-BZ#158	MG/KG	0.00032	J	0.00021	J	0.00066		0.00034	J	0.0015	
Cl6-BZ#167/#128	MG/KG	0.00096		0.00065		0.0025		0.0011		0.0043	
Cl6-BZ#169	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl7-BZ#170/#190	MG/KG	0.00043	J	0.00049	U	0.0008		0.00053		0.0017	
Cl7-BZ#171	MG/KG	0.00049	U	0.00049	U	0.00021	J	0.00048	U	0.00033	J
Cl7-BZ#172	MG/KG	0.00021	J	0.00049	U	0.00025	J	0.00014	J	0.00046	J
Cl7-BZ#173	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl7-BZ#174	MG/KG	0.00029	J	0.00027	J	0.00071		0.00039	J	0.0012	
Cl7-BZ#175	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00017	J
Cl7-BZ#176	MG/KG	0.00049	U	0.00049	U	0.00011	J	0.00048	U	0.0002	J
Cl7-BZ#177	MG/KG	0.00035	J	0.00026	J	0.00068		0.00045	J	0.0014	
Cl7-BZ#178	MG/KG	0.00022	J	0.00019	J	0.00035	J	0.00023	J	0.00061	
Cl7-BZ#180	MG/KG	0.00094		0.00061		0.002		0.00087		0.0036	
Cl7-BZ#182/#187	MG/KG	0.00099		0.00059		0.002		0.00092		0.0037	
Cl7-BZ#183	MG/KG	0.00021	J	0.00015	J	0.00047	J	0.00016	J	0.00073	
Cl7-BZ#184	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl7-BZ#185	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl7-BZ#188	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl7-BZ#189	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.0002	J
Cl7-BZ#191	MG/KG	0.00049	U	0.00049	U	0.00013	J	0.00048	U	0.00049	U
Cl7-BZ#193	MG/KG	0.00015	J	0.00049	U	0.0002	J	0.00012	J	0.00034	J
Cl8-BZ#194	MG/KG	0.00049	U	0.00049	U	0.00044	J	0.00048	U	0.00067	
Cl8-BZ#195	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl8-BZ#196/203	MG/KG	0.00049	U	0.00049	U	0.0003	J	0.00048	U	0.00053	

Table 3B Sample Data for Quahogs (mg/kg wet weight) Area II 2004

	Sample#	NBH04-SF-A-2		NBH04-SF-B-2		NBH04-SF-C-2		NBH04-SF-D-2		NBH04-SF-E-2	
Cl8-BZ#197	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl8-BZ#199	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl8-BZ#200	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl8-BZ#201	MG/KG	0.00049	U	0.00049	U	0.00037	J	0.00022	J	0.00061	
Cl8-BZ#202	MG/KG	0.00049	U	0.00049	U	0.00019	J	0.0001	J	0.00017	J
Cl8-BZ#205	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl9-BZ#206	MG/KG	0.00049	U	0.00049	U	0.00039	J	0.00048	U	0.00043	J
Cl9-BZ#207	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Cl9-BZ#208	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00021	J
Cl10-BZ#209	MG/KG	0.00049	U	0.00049	U	0.00011	J	0.00048	U	0.00013	J
Aroclor-1232	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Aroclor-1242	MG/KG	0.00049	U	0.00049	U	0.00049	U	0.00048	U	0.00049	U
Aroclor-1248	MG/KG	0.027		0.018		0.1		0.067		0.33	
Aroclor-1254	MG/KG	0.067		0.041		0.17		0.088		0.43	
Aroclor-1260	MG/KG	0.0092		0.006		0.016		0.012		0.029	

Table 3C Sample Data for Quahogs (mg/kg wet weight) Area III 2004

Parameter	Units	Sample# / Species / Area / Station	NBH04-SF-A-3 Quahogs III Station A		NBH04-SF-B-3 Quahogs III Station B		NBH04-SF-C-3 Quahogs III Station C		NBH04-SF-D-3 Quahogs III Station D		NBH04-SF-E-3 Quahogs III Station E	
Lipids	PERCENT		0.23		0.16		0.26		0.18		0.14	
Total PCB Congeners[1]	MG/KG		0.075	J2	0.064	J2	0.052	J2	0.037	J1	0.051	J2
Total PCB Congeners Hits[2]	MG/KG		0.062		0.050		0.038		0.017		0.036	
Total NOAA Congeners[3]	MG/KG		0.029	J3	0.023	J3	0.018	J3	0.0098	J2	0.017	J3
Total WHO Congeners[4]	MG/KG		0.0078	J2	0.0062	J2	0.0051	J2	0.0039	J1	0.0048	J2
Total NOAA / WHO Combined[5]	MG/KG		0.032	J3	0.026	J3	0.020	J2	0.012	J2	0.019	J2
Total Aroclors[6]	MG/KG		0.071	J3	0.064	J3	0.040	J3	0.022	J3	0.041	J3
Cl1-BZ#1	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl1-BZ#3	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl2-BZ#4/#10	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl2-BZ#5/#8	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl2-BZ#6	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl2-BZ#7	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl2-BZ#12/#13	MG/KG		0.00028	J	0.00025	J	0.0005	U	0.00018	J	0.00049	U
Cl2-BZ#15	MG/KG		0.00019	J	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl3-BZ#16/#32	MG/KG		0.00035	J	0.00031	J	0.00019	J	0.00014	J	0.00023	J
Cl3-BZ#17	MG/KG		0.00026	J	0.00031	J	0.0005	U	0.00049	U	0.00019	J
Cl3-BZ#18	MG/KG		0.00043	J	0.00038	J	0.00026	J	0.00014	J	0.00027	J
Cl3-BZ#19	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl3-BZ#21/#33	MG/KG		0.00032	J	0.00029	J	0.00017	J	0.00014	J	0.00014	J
Cl3-BZ#22	MG/KG		0.00019	J	0.00022	J	0.00013	J	0.00049	U	0.00049	U
Cl3-BZ#24/#27	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl3-BZ#25	MG/KG		0.00039	J	0.00023	J	0.00023	J	0.00021	J	0.00022	J
Cl3-BZ#26	MG/KG		0.00052		0.00041	J	0.00045	J	0.00026	J	0.00049	
Cl3-BZ#28/#31	MG/KG		0.0026		0.0022		0.0018		0.00075		0.0013	
Cl3-BZ#29	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl3-BZ#37	MG/KG		0.00018	J	0.0002	J	0.00016	J	0.00049	U	0.00013	J
Cl4-BZ#40	MG/KG		0.0003	J	0.00028	J	0.0005	U	0.00049	U	0.00049	U
Cl4-BZ#41/#71	MG/KG		0.00089		0.0007		0.00036	J	0.00022	J	0.00046	J
Cl4-BZ#42	MG/KG		0.00045	J	0.00039	J	0.00024	J	0.00049	U	0.00026	J
Cl4-BZ#43/#49	MG/KG		0.0024		0.0019		0.0015		0.00075		0.0016	
Cl4-BZ#44	MG/KG		0.0011		0.00087		0.00051		0.00049	U	0.00055	
Cl4-BZ#45	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl4-BZ#46	MG/KG		0.00049	U	0.00049	U	0.0019		0.00049	U	0.00049	U
Cl4-BZ#47/#48	MG/KG		0.0012		0.0012		0.00097		0.00035	J	0.00075	
Cl4-BZ#50	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl4-BZ#51	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl4-BZ#52	MG/KG		0.0028		0.0023		0.0016		0.00095		0.0017	
Cl4-BZ#53	MG/KG		0.00049	U	0.00014	J	0.0001	J	0.00049	U	0.00015	J
Cl4-BZ#54	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl4-BZ#56/#60	MG/KG		0.00067		0.00067		0.00024	J	0.0002	J	0.0003	J
Cl4-BZ#63	MG/KG		0.00018	J	0.00014	J	0.00032	J	0.00049	U	0.00049	U
Cl4-BZ#64	MG/KG		0.00048	J	0.00049		0.00035	J	0.00031	J	0.00036	J
Cl4-BZ#66	MG/KG		0.002		0.0017		0.001		0.00065		0.00094	
Cl4-BZ#70	MG/KG		0.0016		0.0013		0.00082		0.00039	J	0.00081	
Cl4-BZ#74	MG/KG		0.00093		0.00075		0.00053		0.00028	J	0.00041	J
Cl4-BZ#76	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl4-BZ#77	MG/KG		0.00036	J	0.00024	J	0.00021	J	0.00049	U	0.00049	U
Cl4-BZ#81	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#82	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#83	MG/KG		0.00028	J	0.00011	J	0.0005	U	0.00049	U	0.00021	J
Cl5-BZ#85	MG/KG		0.00052		0.00056		0.00027	J	0.00049	U	0.00032	J
Cl5-BZ#87	MG/KG		0.00091		0.00093		0.00059		0.00049	U	0.00044	J
Cl5-BZ#89	MG/KG		0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#91	MG/KG		0.00039	J	0.00041	J	0.00032	J	0.00016	J	0.00044	J

Table 3C Sample Data for Quahogs (mg/kg wet weight) Area III 2004

	Sample#	NBH04-SF-A-3		NBH04-SF-B-3		NBH04-SF-C-3		NBH04-SF-D-3		NBH04-SF-E-3	
Cl5-BZ#92	MG/KG	0.0012		0.00086		0.00059		0.00032	J	0.00067	
Cl5-BZ#95	MG/KG	0.0023		0.0014		0.00097		0.00043	J	0.00092	
Cl5-BZ#97	MG/KG	0.00076		0.00078		0.00046	J	0.00032	J	0.00059	
Cl5-BZ#99	MG/KG	0.003		0.0025		0.0019		0.00097		0.0018	
Cl5-BZ#100	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#101/#84	MG/KG	0.0043		0.0035		0.0024		0.0013		0.0029	
Cl5-BZ#104	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#105	MG/KG	0.00094		0.0007		0.0004	J	0.00029	J	0.00037	J
Cl5-BZ#107	MG/KG	0.00067		0.00044	J	0.0004	J	0.0002	J	0.00042	J
Cl5-BZ#110	MG/KG	0.0032		0.0027		0.0016		0.00091		0.0021	
Cl5-BZ#114	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#118	MG/KG	0.0036		0.0028		0.0021		0.0011		0.0018	
Cl5-BZ#119	MG/KG	0.00026	J	0.00023	J	0.0002	J	0.00049	U	0.00017	J
Cl5-BZ#123	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#124	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl5-BZ#126	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl6-BZ#129	MG/KG	0.00013	J	0.00049	U	0.0005	U	0.00049	U	0.00013	J
Cl6-BZ#130	MG/KG	0.00032	J	0.0003	J	0.00023	J	0.00022	J	0.00025	J
Cl6-BZ#131	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl6-BZ#132/#168	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl6-BZ#134	MG/KG	0.00035	J	0.00046	J	0.0005	U	0.00049	U	0.00022	J
Cl6-BZ#135/#144	MG/KG	0.00072		0.00055		0.00031	J	0.00023	J	0.00039	J
Cl6-BZ#136	MG/KG	0.00027	J	0.00024	J	0.0002	J	0.00049	U	0.00018	J
Cl6-BZ#137	MG/KG	0.00019	J	0.00015	J	0.00012	J	0.00049	U	0.00049	U
Cl6-BZ#138/#163	MG/KG	0.0041		0.0031		0.0024		0.0011		0.0022	
Cl6-BZ#141	MG/KG	0.00049	U	0.00019	J	0.00012	J	0.00049	U	0.00049	U
Cl6-BZ#146	MG/KG	0.00098		0.00085		0.00073		0.00041	J	0.00075	
Cl6-BZ#147	MG/KG	0.00024	J	0.00023	J	0.00015	J	0.00049	U	0.00019	J
Cl6-BZ#149	MG/KG	0.0021		0.0017		0.0012		0.00065		0.0014	
Cl6-BZ#151	MG/KG	0.0004	J	0.00025	J	0.00034	J	0.00017	J	0.00018	J
Cl6-BZ#153	MG/KG	0.0043		0.0032		0.0029		0.0015		0.0026	
Cl6-BZ#154	MG/KG	0.00049	U	0.00023	J	0.0005	U	0.00049	U	0.00049	U
Cl6-BZ#155	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl6-BZ#156	MG/KG	0.00029	J	0.0002	J	0.00024	J	0.00049	U	0.00016	J
Cl6-BZ#157	MG/KG	0.00038	J	0.00014	J	0.00016	J	0.00049	U	0.00049	U
Cl6-BZ#158	MG/KG	0.00021	J	0.00017	J	0.00012	J	0.00049	U	0.00011	J
Cl6-BZ#167/#128	MG/KG	0.00072		0.00069		0.00046	J	0.00032	J	0.00055	
Cl6-BZ#169	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#170/#190	MG/KG	0.00042	J	0.00049	U	0.00025	J	0.00049	U	0.00021	J
Cl7-BZ#171	MG/KG	0.0001	J	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#172	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#173	MG/KG	0.00013	J	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#174	MG/KG	0.00024	J	0.00018	J	0.0005	U	0.00011	J	0.0002	J
Cl7-BZ#175	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#176	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#177	MG/KG	0.00035	J	0.00031	J	0.00023	J	0.00013	J	0.00028	J
Cl7-BZ#178	MG/KG	0.00049	U	0.00018	J	0.00014	J	0.00049	U	0.00019	J
Cl7-BZ#180	MG/KG	0.00064		0.0005		0.00032	J	0.00017	J	0.00048	J
Cl7-BZ#182/#187	MG/KG	0.00069		0.00053		0.00047	J	0.00031	J	0.00043	J
Cl7-BZ#183	MG/KG	0.00018	J	0.00013	J	0.00011	J	0.00049	U	0.00049	U
Cl7-BZ#184	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#185	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#188	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#189	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#191	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl7-BZ#193	MG/KG	0.00013	J	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl8-BZ#194	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl8-BZ#195	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl8-BZ#196/203	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U

Table 3C Sample Data for Quahogs (mg/kg wet weight) Area III 2004

	Sample#	NBH04-SF-A-3		NBH04-SF-B-3		NBH04-SF-C-3		NBH04-SF-D-3		NBH04-SF-E-3	
Cl8-BZ#197	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl8-BZ#199	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl8-BZ#200	MG/KG	0.00028	J	0.00049	U	0.00018	J	0.00049	U	0.00049	U
Cl8-BZ#201	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00012	J
Cl8-BZ#202	MG/KG	0.00012	J	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl8-BZ#205	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl9-BZ#206	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl9-BZ#207	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl9-BZ#208	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Cl10-BZ#209	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Aroclor-1232	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Aroclor-1242	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U
Aroclor-1248	MG/KG	0.021		0.017		0.0099		0.0059		0.011	
Aroclor-1254	MG/KG	0.049		0.046		0.029		0.015		0.029	
Aroclor-1260	MG/KG	0.00049	U	0.00049	U	0.0005	U	0.00049	U	0.00049	U

Table 4 Sample Data for American Eel (mg/kg wet weight) Areas I and II

Parameter	Units	Sample#	NBH04-FF-A-1		NBH04-FF-B-1		NBH04-FF-C-1		NBH04-FF-D-1		NBH04-FF-E-1		NBH04-FF-C-2	
		Species	American Eel		American Eel		American Eel		American Eel		American Eel		American Eel	
		Area	I		I		I		I		I		II	
		Station	Station A		Station B		Station C		Station D		Station E		Station C	
Lipids	PERCENT		14		18		6.6		17		11		18	
Total PCB Congeners[1]	MG/KG		28	J3	32	J3	22	J3	133	J4	68	J4	40	J3
Total PCB Congeners Hits[2]	MG/KG		28		31		22		132		67		39	
Total NOAA Congeners[3]	MG/KG		16	J4	17	J4	13	J4	56	J4	31	J4	21	J4
Total WHO Congeners[4]	MG/KG		4.3	J4	4.5	J3	3.8	J4	6.7	J3	5.9	J3	5.2	J3
Total NOAA / WHO Combined[5]	MG/KG		16	J4	17	J4	13	J4	57	J4	32	J4	22	J4
Total Aroclors[6]	MG/KG		38	J4	40	J4	34	J4	80	J4	62	J4	49.0	J4
Cl1-BZ#1	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl1-BZ#3	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl2-BZ#4/#10	MG/KG		0.02	U	0.048	U	0.019	U	0.14		0.026	J	0.046	U
Cl2-BZ#5/#8	MG/KG		0.02	U	0.048	U	0.019	U	0.12		0.047	U	0.046	U
Cl2-BZ#6	MG/KG		0.0097	U	0.024	U	0.0094	U	0.11		0.024	U	0.023	U
Cl2-BZ#7	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl2-BZ#12/#13	MG/KG		0.02	U	0.048	U	0.019	U	0.094	U	0.047	U	0.046	U
Cl2-BZ#15	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl3-BZ#16/#32	MG/KG		0.03		0.051		0.01	J	1.3		0.2		0.046	
Cl3-BZ#17	MG/KG		0.0097	U	0.024	U	0.0094	U	0.25		0.06		0.023	U
Cl3-BZ#18	MG/KG		0.022		0.035		0.01		0.93		0.18		0.046	
Cl3-BZ#19	MG/KG		0.0097	U	0.024	U	0.0094	U	0.21		0.033		0.023	U
Cl3-BZ#21/#33	MG/KG		0.02	U	0.048	U	0.019	U	0.12		0.035	J	0.046	U
Cl3-BZ#22	MG/KG		0.028		0.046		0.013		0.39		0.12		0.043	
Cl3-BZ#24/#27	MG/KG		0.02	U	0.048	U	0.019	U	0.18		0.025	J	0.046	U
Cl3-BZ#25	MG/KG		0.027		0.036		0.013		0.63		0.16		0.047	
Cl3-BZ#26	MG/KG		0.19		0.27		0.068		2.1		0.59		0.27	
Cl3-BZ#28/#31	MG/KG		0.52		0.75		0.2		4.7		1.5		0.7	
Cl3-BZ#29	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl3-BZ#37	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.042		0.023	U
Cl4-BZ#40	MG/KG		0.025		0.048		0.0094	U	0.3		0.14		0.027	
Cl4-BZ#41/#71	MG/KG		0.4		0.7		0.25		4.6		2		0.7	
Cl4-BZ#42	MG/KG		0.11		0.18		0.053		1.7		0.69		0.16	
Cl4-BZ#43/#49	MG/KG		1.7		1.7		1		18		6.4		2.8	
Cl4-BZ#44	MG/KG		0.39		0.47		0.22		3.9		1.6		0.59	
Cl4-BZ#45	MG/KG		0.0097	U	0.024	U	0.0094	U	0.13		0.037		0.023	U
Cl4-BZ#46	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl4-BZ#47/#48	MG/KG		0.6		1		0.48		8.8		3.4		1	
Cl4-BZ#50	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl4-BZ#51	MG/KG		0.0097	U	0.024	U	0.0094	U	0.3		0.046		0.023	U
Cl4-BZ#52	MG/KG		2.4		2.4		1.7		21		7.8		3.8	
Cl4-BZ#53	MG/KG		0.028		0.029		0.0094	U	0.67		0.12		0.031	
Cl4-BZ#54	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl4-BZ#56/#60	MG/KG		0.099		0.12		0.061		0.26		0.18		0.12	
Cl4-BZ#63	MG/KG		0.049		0.052		0.027		0.14		0.073		0.061	
Cl4-BZ#64	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl4-BZ#66	MG/KG		0.64		0.84		0.39		2		1.3		0.88	
Cl4-BZ#70	MG/KG		0.03	J	0.046		0.011		0.078		0.063		0.04	
Cl4-BZ#74	MG/KG		0.55		0.57		0.33		1.4		0.81		0.67	
Cl4-BZ#76	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl4-BZ#77	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl4-BZ#81	MG/KG		0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl5-BZ#82	MG/KG		0.029		0.042		0.012		0.11		0.086		0.03	
Cl5-BZ#83	MG/KG		0.032		0.061		0.022		0.26		0.17		0.06	
Cl5-BZ#85	MG/KG		0.088		0.18		0.088		0.36		0.3		0.15	
Cl5-BZ#87	MG/KG		0.39		0.41		0.28		0.8		0.62		0.49	
Cl5-BZ#89	MG/KG		0.0097	UJ	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl5-BZ#91	MG/KG		0.24		0.3		0.18		2.4		1.1		0.42	
Cl5-BZ#92	MG/KG		0.34		0.35		0.28		1.1		0.78		0.56	
Cl5-BZ#95	MG/KG		0.41		0.46		0.21		2.8		1.1		0.63	
Cl5-BZ#97	MG/KG		0.22		0.34		0.16		1.6		0.98		0.31	
Cl5-BZ#99	MG/KG		2.1		2.4		2		7.2		4.8		3.1	

Table 4 Sample Data for American Eel (mg/kg wet weight) Areas I and II

	Sample#	NBH04-FF-A-1		NBH04-FF-B-1		NBH04-FF-C-1		NBH04-FF-D-1		NBH04-FF-E-1		NBH04-FF-C-2	
Cl5-BZ#100	MG/KG	0.027		0.047		0.019		0.31		0.15		0.046	
Cl5-BZ#101/#84	MG/KG	2.6		2.4		1.9		7.4		5.1		3.5	
Cl5-BZ#104	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl5-BZ#105	MG/KG	0.57		0.62		0.5		0.6		0.66		0.67	
Cl5-BZ#107	MG/KG	0.063		0.068		0.036		0.11		0.083		0.09	
Cl5-BZ#110	MG/KG	0.78		1.4		0.55		6.2		3.6		1.3	
Cl5-BZ#114	MG/KG	0.035	J	0.04		0.031		0.062		0.058		0.049	
Cl5-BZ#118	MG/KG	2.9		3		2.6		4.9		4.2		3.6	
Cl5-BZ#119	MG/KG	0.079		0.14		0.072		0.91		0.46		0.14	
Cl5-BZ#123	MG/KG	0.1		0.024	U	0.085		0.047	U	0.024	U	0.023	U
Cl5-BZ#124	MG/KG	0.014		0.024	U	0.0094	U	0.047	U	0.025		0.023	U
Cl5-BZ#126	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl6-BZ#129	MG/KG	0.0097	U	0.024	U	0.0094	U	0.057		0.054		0.023	U
Cl6-BZ#130	MG/KG	0.091		0.1		0.088		0.14		0.13		0.12	
Cl6-BZ#131	MG/KG	0.45		0.48		0.41		0.95		0.72		0.6	
Cl6-BZ#132/#168	MG/KG	0.02	UJ	0.048	U	0.019	U	0.094	U	0.047	U	0.046	U
Cl6-BZ#134	MG/KG	0.0097	UJ	0.055		0.066		0.33		0.21		0.11	
Cl6-BZ#135/#144	MG/KG	0.097		0.11		0.061		0.33		0.21		0.14	
Cl6-BZ#136	MG/KG	0.054		0.063		0.026		0.36		0.15		0.083	
Cl6-BZ#137	MG/KG	0.098		0.11		0.085		0.17		0.14		0.14	
Cl6-BZ#138/#163	MG/KG	1.8		2		1.7		3.2		2.7		2.3	
Cl6-BZ#141	MG/KG	0.11		0.11		0.099		0.17		0.17		0.15	
Cl6-BZ#146	MG/KG	0.45	J	0.48	J	0.41	J	0.95	J	0.72	J	0.6	J
Cl6-BZ#147	MG/KG	0.1		0.1		0.089		0.36		0.23		0.15	
Cl6-BZ#149	MG/KG	0.94		0.94		0.76		3.7		2.3		1.4	
Cl6-BZ#151	MG/KG	0.094		0.11		0.04		0.45		0.2		0.13	
Cl6-BZ#153	MG/KG	2.8		3		2.6		5.7		4.5		3.7	
Cl6-BZ#154	MG/KG	0.07		0.08		0.071		0.32		0.19		0.1	
Cl6-BZ#155	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl6-BZ#156	MG/KG	0.19	J	0.22	J	0.16	J	0.3	J	0.27	J	0.24	J
Cl6-BZ#157	MG/KG	0.033	J	0.036		0.026		0.047	U	0.038		0.04	
Cl6-BZ#158	MG/KG	0.19		0.2		0.19		0.43		0.32		0.26	
Cl6-BZ#167/#128	MG/KG	0.41		0.48		0.38		0.68		0.62		0.52	
Cl6-BZ#169	MG/KG		R	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#170/#190	MG/KG	0.12		0.048	U	0.11		0.26		0.19		0.16	
Cl7-BZ#171	MG/KG	0.036		0.047		0.029		0.076		0.051		0.047	
Cl7-BZ#172	MG/KG	0.017		0.026		0.02		0.047	U	0.036		0.028	
Cl7-BZ#173	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#174	MG/KG	0.028	J	0.033		0.02		0.07		0.057		0.043	
Cl7-BZ#175	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#176	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#177	MG/KG	0.054	J	0.058		0.043		0.11		0.093		0.074	
Cl7-BZ#178	MG/KG	0.036		0.024	U	0.034		0.092		0.067		0.055	
Cl7-BZ#180	MG/KG	0.24		0.3		0.23		0.5		0.38		0.32	
Cl7-BZ#182/#187	MG/KG	0.21		0.24		0.2		0.55		0.38		0.28	
Cl7-BZ#183	MG/KG	0.071		0.088		0.065		0.16		0.13		0.094	
Cl7-BZ#184	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#185	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#188	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#189	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#191	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl7-BZ#193	MG/KG	0.0097	UJ	0.024	U	0.015		0.047	U	0.024	U	0.023	U
Cl8-BZ#194	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#195	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#196/203	MG/KG	0.02	U	0.048	U	0.019	U	0.094	U	0.047	U	0.046	U
Cl8-BZ#197	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#199	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#200	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#201	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#202	MG/KG	0.011	J	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl8-BZ#205	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl9-BZ#206	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl9-BZ#207	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Cl9-BZ#208	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U

Table 4 Sample Data for American Eel (mg/kg wet weight) Areas I and II

	Sample#	NBH04-FF-A-1		NBH04-FF-B-1		NBH04-FF-C-1		NBH04-FF-D-1		NBH04-FF-E-1		NBH04-FF-C-2	
Cl10-BZ#209	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Aroclor-1232	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Aroclor-1242	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Aroclor-1248	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U
Aroclor-1254	MG/KG	38		40		34		80		62		49	
Aroclor-1260	MG/KG	0.0097	U	0.024	U	0.0094	U	0.047	U	0.024	U	0.023	U

Table 5 Sample Data for Summer Flounder (mg/kg wet weight) Area II 2004

Parameter	Sample# / Species / Area / Station / Units	NBH04-FF-A-2 Summer Flounder II Station A		NBH04-FF-E-2 Summer Flounder II Station E	
Lipids	PERCENT	0.47		0.84	
Total PCB Congeners[1]	MG/KG	0.11	J2	0.82	J3
Total PCB Congeners Hits[2]	MG/KG	0.087		0.81	
Total NOAA Congeners[3]	MG/KG	0.058	J3	0.37	J4
Total WHO Congeners[4]	MG/KG	0.016	J2	0.10	J3
Total NOAA / WHO Combined[5]	MG/KG	0.060	J3	0.39	J4
Total Aroclors[6]	MG/KG	0.00044	U	0.88088	J4
Cl1-BZ#1	MG/KG	0.00044	U	0.00044	U
Cl1-BZ#3	MG/KG	0.00044	U	0.00044	U
Cl2-BZ#4/#10	MG/KG	0.00089	U	0.0011	
Cl2-BZ#5/#8	MG/KG	0.00089	U	0.00088	U
Cl2-BZ#6	MG/KG	0.00044	U	0.00064	
Cl2-BZ#7	MG/KG	0.00044	U	0.00044	U
Cl2-BZ#12/#13	MG/KG	0.00089	U	0.00051	J
Cl2-BZ#15	MG/KG	0.00044	U	0.00051	
Cl3-BZ#16/#32	MG/KG	0.00089	U	0.0045	
Cl3-BZ#17	MG/KG	0.00044	U	0.0025	
Cl3-BZ#18	MG/KG	0.00049		0.0066	
Cl3-BZ#19	MG/KG	0.00044	U	0.00061	
Cl3-BZ#21/#33	MG/KG	0.00089	U	0.0014	
Cl3-BZ#22	MG/KG	0.00044	U	0.00044	U
Cl3-BZ#24/#27	MG/KG	0.00089	U	0.0014	
Cl3-BZ#25	MG/KG	0.00044	U	0.0052	
Cl3-BZ#26	MG/KG	0.00074		0.019	
Cl3-BZ#28/#31	MG/KG	0.0018		0.028	
Cl3-BZ#29	MG/KG	0.00044	U	0.00044	U
Cl3-BZ#37	MG/KG	0.00044	U	0.00044	U
Cl4-BZ#40	MG/KG	0.00044	U	0.0013	
Cl4-BZ#41/#71	MG/KG	0.00089	U	0.011	
Cl4-BZ#42	MG/KG	0.00044	U	0.0014	
Cl4-BZ#43/#49	MG/KG	0.0024		0.043	
Cl4-BZ#44	MG/KG	0.00044	U	0.0035	
Cl4-BZ#45	MG/KG	0.00044	U	0.00078	
Cl4-BZ#46	MG/KG	0.00044	U	0.053	
Cl4-BZ#47/#48	MG/KG	0.00074	J	0.017	
Cl4-BZ#50	MG/KG	0.00044	U	0.00044	U
Cl4-BZ#51	MG/KG	0.00044	U	0.00084	
Cl4-BZ#52	MG/KG	0.0041		0.048	
Cl4-BZ#53	MG/KG	0.00044	U	0.00099	
Cl4-BZ#54	MG/KG	0.00044	U	0.00044	U
Cl4-BZ#56/#60	MG/KG	0.00089	U	0.0066	
Cl4-BZ#63	MG/KG	0.00044	U	0.0019	
Cl4-BZ#64	MG/KG	0.00044	U	0.0042	
Cl4-BZ#66	MG/KG	0.0015		0.023	
Cl4-BZ#70	MG/KG	0.00082		0.018	
Cl4-BZ#74	MG/KG	0.0012		0.02	
Cl4-BZ#76	MG/KG	0.00044	U	0.00044	U

Table 5 Sample Data for Summer Flounder (mg/kg wet weight) Area II 2004

	Sample#	NBH04-FF-A-2		NBH04-FF-E-2	
Cl4-BZ#77	MG/KG	0.00044	U	0.0031	
Cl4-BZ#81	MG/KG	0.00044	U	0.00044	U
Cl5-BZ#82	MG/KG	0.00044	U	0.001	
Cl5-BZ#83	MG/KG	0.00044	U	0.00064	
Cl5-BZ#85	MG/KG	0.00044	U	0.0037	
Cl5-BZ#87	MG/KG	0.0013		0.011	
Cl5-BZ#89	MG/KG	0.00044	U	0.00063	
Cl5-BZ#91	MG/KG	0.00046		0.0053	
Cl5-BZ#92	MG/KG	0.0014		0.01	
Cl5-BZ#95	MG/KG	0.0013		0.011	
Cl5-BZ#97	MG/KG	0.00062		0.0042	
Cl5-BZ#99	MG/KG	0.0046		0.048	
Cl5-BZ#100	MG/KG	0.00044	U	0.00094	
Cl5-BZ#101/#84	MG/KG	0.0075		0.052	
Cl5-BZ#104	MG/KG	0.00044	U	0.00044	U
Cl5-BZ#105	MG/KG	0.0018		0.012	
Cl5-BZ#107	MG/KG	0.0013		0.0053	
Cl5-BZ#110	MG/KG	0.0015		0.028	
Cl5-BZ#114	MG/KG	0.00044	U	0.0011	
Cl5-BZ#118	MG/KG	0.0092		0.063	
Cl5-BZ#119	MG/KG	0.00044	U	0.0028	
Cl5-BZ#123	MG/KG	0.00044	U	0.0022	
Cl5-BZ#124	MG/KG	0.00044	U	0.0013	
Cl5-BZ#126	MG/KG	0.00044	U	0.00044	U
Cl6-BZ#129	MG/KG	0.00044	U	0.00044	U
Cl6-BZ#130	MG/KG	0.00059		0.0024	
Cl6-BZ#131	MG/KG	0.0028		0.01	
Cl6-BZ#132/#168	MG/KG	0.00089	U	0.0037	
Cl6-BZ#134	MG/KG	0.00044	U	0.0021	
Cl6-BZ#135/#144	MG/KG	0.00089	U	0.0032	
Cl6-BZ#136	MG/KG	0.00044	U	0.0016	
Cl6-BZ#137	MG/KG	0.00044	U	0.0025	
Cl6-BZ#138/#163	MG/KG	0.01		0.046	
Cl6-BZ#141	MG/KG	0.00044	U	0.0029	
Cl6-BZ#146	MG/KG	0.0028	J	0.01	J
Cl6-BZ#147	MG/KG	0.00044	U	0.002	
Cl6-BZ#149	MG/KG	0.003		0.02	
Cl6-BZ#151	MG/KG	0.00094		0.0049	
Cl6-BZ#153	MG/KG	0.014		0.067	
Cl6-BZ#154	MG/KG	0.00044	U	0.002	
Cl6-BZ#155	MG/KG	0.00044	U	0.00044	U
Cl6-BZ#156	MG/KG	0.0011	J	0.0045	J
Cl6-BZ#157	MG/KG	0.00044	U	0.00044	U
Cl6-BZ#158	MG/KG	0.00063		0.0047	
Cl6-BZ#167/#128	MG/KG	0.0019		0.01	
Cl6-BZ#169	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#170/#190	MG/KG	0.00065	J	0.00088	U
Cl7-BZ#171	MG/KG	0.00044	U	0.0013	
Cl7-BZ#172	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#173	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#174	MG/KG	0.00044	U	0.0011	

Table 5 Sample Data for Summer Flounder (mg/kg wet weight) Area II 2004

	Sample#	NBH04-FF-A-2		NBH04-FF-E-2	
Cl7-BZ#175	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#176	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#177	MG/KG	0.00051		0.0015	
Cl7-BZ#178	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#180	MG/KG	0.0018		0.0068	
Cl7-BZ#182/#187	MG/KG	0.0017		0.0058	
Cl7-BZ#183	MG/KG	0.00044	U	0.0023	
Cl7-BZ#184	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#185	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#188	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#189	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#191	MG/KG	0.00044	U	0.00044	U
Cl7-BZ#193	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#194	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#195	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#196/203	MG/KG	0.00089	U	0.00088	U
Cl8-BZ#197	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#199	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#200	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#201	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#202	MG/KG	0.00044	U	0.00044	U
Cl8-BZ#205	MG/KG	0.00044	U	0.00044	U
Cl9-BZ#206	MG/KG	0.00044	U	0.00044	U
Cl9-BZ#207	MG/KG	0.00044	U	0.00044	U
Cl9-BZ#208	MG/KG	0.00044	U	0.00044	U
Cl10-BZ#209	MG/KG	0.00044	U	0.00044	U
Aroclor-1232	MG/KG	0.00044	U	0.00044	U
Aroclor-1242	MG/KG	0.00044	U	0.00044	U
Aroclor-1248	MG/KG	0.00044	U	0.00044	U
Aroclor-1254	MG/KG	0.00044	U	0.88	
Aroclor-1260	MG/KG	0.00044	U	0.00044	U

Table 6 Sample Data for Black Sea Bass (mg/kg wet weight) Areas II and III 2004

Parameter	Sample# / Species / Area / Station / Units	NBH04-FF-B-2 Black Sea Bass II Station B		NBH04-FF-D-2 Black Sea Bass II Station D		NBH04-FF-A-3 Black Sea Bass III Station A		NBH04-FF-B-3SB Black Sea Bass III Station B		NBH04-FF-C-3 Black Sea Bass III Station C		NBH04-FF-D-3 Black Sea Bass III Station D		NBH04-FF-E-3 Black Sea Bass III Station E	
Lipids	PERCENT	0.76		0.88		0.69		0.46		0.85		0.75		0.78	
Total PCB Congeners[1]	MG/KG	0.10	J2	0.12	J2	0.099	J2	0.078	J2	0.12	J2	0.11	J2	0.12	J2
Total PCB Congeners Hits[2]	MG/KG	0.077		0.099		0.075		0.056		0.096		0.085		0.10	
Total NOAA Congeners[3]	MG/KG	0.052	J3	0.071	J3	0.054	J3	0.040	J3	0.059	J3	0.055	J3	0.064	J3
Total WHO Congeners[4]	MG/KG	0.016	J2	0.020	J3	0.016	J2	0.012	J2	0.018	J2	0.017	J2	0.019	J2
Total NOAA / WHO Combined[5]	MG/KG	0.055	J3	0.074	J3	0.057	J3	0.043	J3	0.062	J3	0.058	J3	0.067	J3
Total Aroclors[6]	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl1-BZ#1	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl2-BZ#4/#10	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl2-BZ#5/#8	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl2-BZ#6	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl2-BZ#7	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl2-BZ#12/#13	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl2-BZ#15	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#16/#32	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl3-BZ#17	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#18	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#19	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#21/#33	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl3-BZ#22	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.0057		0.00045	U	0.00047	U
Cl3-BZ#24/#27	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl3-BZ#25	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#26	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#28/#31	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl3-BZ#29	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl3-BZ#37	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#40	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#41/#71	MG/KG	0.00094	U	0.00046	J	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00097	
Cl4-BZ#42	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#43/#49	MG/KG	0.0014		0.0011		0.0012		0.001		0.0017		0.0016		0.0035	
Cl4-BZ#44	MG/KG	0.00058		0.00059		0.00062		0.00044	U	0.00068		0.00062		0.0013	
Cl4-BZ#45	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#46	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#47/#48	MG/KG	0.00088	J	0.00065	J	0.00083	J	0.00061	J	0.001		0.00095		0.0019	
Cl4-BZ#50	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#51	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#52	MG/KG	0.0024		0.0027		0.0026		0.0016		0.0026		0.0023		0.0061	
Cl4-BZ#53	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#54	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#56/#60	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl4-BZ#63	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#64	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#66	MG/KG	0.0018		0.0017		0.0018		0.0012		0.002		0.0018		0.0027	
Cl4-BZ#70	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#74	MG/KG	0.001		0.0013		0.001		0.00064		0.0011		0.001		0.0017	
Cl4-BZ#76	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#77	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl4-BZ#81	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#82	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#83	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#85	MG/KG	0.00079		0.00047		0.00047	U	0.00044	U	0.00067		0.00063		0.00067	
Cl5-BZ#87	MG/KG	0.00087		0.0011		0.001		0.00044	U	0.001		0.0011		0.0012	
Cl5-BZ#89	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#91	MG/KG	0.00047	U	0.00048		0.00047	U	0.00044	U	0.00063		0.00045	U	0.00047	U
Cl5-BZ#92	MG/KG	0.0012		0.0015		0.0013		0.00087		0.0015		0.0013		0.0018	
Cl5-BZ#95	MG/KG	0.0011		0.0012		0.0011		0.00074		0.0012		0.0011		0.0019	
Cl5-BZ#97	MG/KG	0.0009		0.00045	U	0.00085		0.00044	U	0.00044	U	0.0011		0.0013	
Cl5-BZ#99	MG/KG	0.0033		0.0021		0.0021		0.0016		0.0032		0.0033		0.0043	
Cl5-BZ#100	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#101/#84	MG/KG	0.0056		0.0065		0.0053		0.0042		0.0065		0.0062		0.0082	
Cl5-BZ#104	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U

Table 6 Sample Data for Black Sea Bass (mg/kg wet weight) Areas II and III 2004

	Sample#	NBH04-FF-B-2		NBH04-FF-D-2		NBH04-FF-A-3		NBH04-FF-B-3SB		NBH04-FF-C-3		NBH04-FF-D-3		NBH04-FF-E-3	
Cl5-BZ#105	MG/KG	0.0017		0.0023		0.0018		0.0013		0.002		0.0017		0.0023	
Cl5-BZ#107	MG/KG	0.0013		0.0013		0.0011		0.00073		0.0015		0.0014		0.0013	
Cl5-BZ#110	MG/KG	0.0017		0.0016		0.0017		0.0014		0.0025		0.0021		0.0038	
Cl5-BZ#114	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#118	MG/KG	0.0092		0.012		0.0098		0.0064		0.011		0.0097		0.011	
Cl5-BZ#119	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00053		0.00055	
Cl5-BZ#123	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#124	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl5-BZ#126	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#129	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#130	MG/KG	0.0006		0.00052		0.00048		0.00051		0.00056		0.00057		0.00055	
Cl6-BZ#131	MG/KG	0.0028		0.0037		0.0028		0.0023		0.0034		0.0031		0.0029	
Cl6-BZ#132/#168	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00047	J	0.00094	U
Cl6-BZ#134	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00062		0.00047	U
Cl6-BZ#135/#144	MG/KG	0.0006	J	0.00062	J	0.00055	J	0.00088	U	0.00077	J	0.00074	J	0.00075	J
Cl6-BZ#136	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#137	MG/KG	0.00047	U	0.00046		0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#138/#163	MG/KG	0.0091		0.011		0.009		0.0074		0.011		0.01		0.0097	
Cl6-BZ#141	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.0005		0.00045	U	0.00047	U
Cl6-BZ#146	MG/KG	0.0028	J	0.0037	J	0.0028	J	0.0023	J	0.0034	J	0.0031	J	0.0029	J
Cl6-BZ#147	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#149	MG/KG	0.0025		0.0029		0.0025		0.0023		0.0035		0.0032		0.0038	
Cl6-BZ#151	MG/KG	0.00071		0.00088		0.00047	U	0.00059		0.00089		0.00079		0.00087	
Cl6-BZ#153	MG/KG	0.014		0.022		0.016		0.011		0.016		0.015		0.015	
Cl6-BZ#154	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#155	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#156	MG/KG	0.001	J	0.0014	J	0.00096	J	0.0008	J	0.0013	J	0.0011	J	0.0011	J
Cl6-BZ#157	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl6-BZ#158	MG/KG	0.00056		0.00072		0.0006		0.00046		0.00071		0.00072		0.00069	
Cl6-BZ#167/#128	MG/KG	0.0021		0.0027		0.0014		0.0017		0.0015		0.0024		0.0024	
Cl6-BZ#169	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#170/#190	MG/KG	0.00094	U	0.0018		0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl7-BZ#171	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#172	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#173	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#174	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#175	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#176	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#177	MG/KG	0.00063		0.00057		0.0005		0.0005		0.00078		0.00071		0.00061	
Cl7-BZ#178	MG/KG	0.00047	U	0.00052		0.00047	U	0.00044	U	0.00052		0.00045	U	0.00047	U
Cl7-BZ#180	MG/KG	0.0016		0.0032		0.0019		0.0014		0.002		0.0018		0.0017	
Cl7-BZ#182/#187	MG/KG	0.0019		0.0027		0.0018		0.0017		0.002		0.0019		0.0016	
Cl7-BZ#183	MG/KG	0.00057		0.00094		0.00047	U	0.00056		0.00054		0.00045	U	0.00056	
Cl7-BZ#184	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#185	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#188	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#189	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#191	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl7-BZ#193	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#194	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#195	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#196/203	MG/KG	0.00094	U	0.0009	U	0.00094	U	0.00088	U	0.00088	U	0.00089	U	0.00094	U
Cl8-BZ#197	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#199	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#200	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#201	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#202	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl8-BZ#205	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl9-BZ#206	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl9-BZ#207	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl9-BZ#208	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Cl10-BZ#209	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Aroclor-1232	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Aroclor-1242	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Aroclor-1248	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Aroclor-1254	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U
Aroclor-1260	MG/KG	0.00047	U	0.00045	U	0.00047	U	0.00044	U	0.00044	U	0.00045	U	0.00047	U

Table 7A Sample Data for Scup (mg/kg wet weight) Area II 2004

Parameter	Units	Sample#	NBH04-FF-A-2		NBH04-FF-B-2		NBH04-FF-C-2		NBH04-FF-D-2		NBH04-FF-E-2	
		Species	Scup		Scup		Scup		Scup		Scup	
		Area	II		II		II		II		II	
		Station	Station A		Station B		Station C		Station D		Station E	
Lipids	PERCENT		0.59		1.4		0.76		2.0		2.0	
Total PCB Congeners[1]	MG/KG		0.26	J3	0.55	J3	0.57	J4	0.95	J4	1.7	J4
Total PCB Congeners Hits[2]	MG/KG		0.25		0.55		0.56		0.94		1.7	
Total NOAA Congeners[3]	MG/KG		0.16	J4	0.31	J4	0.31	J4	0.51	J4	0.94	J4
Total WHO Congeners[4]	MG/KG		0.046	J3	0.085	J4	0.074	J4	0.13	J4	0.25	J4
Total NOAA / WHO Combined[5]	MG/KG		0.16	J4	0.32	J4	0.31	J4	0.52	J4	0.97	J4
Total Aroclors[6]	MG/KG		0.048	J3	0.076	J3	0.067	J3	0.10	J4	0.16	J4
Cl1-BZ#1	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl1-BZ#3	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl2-BZ#4/#10	MG/KG		0.00092	U	0.00027	J	0.00066	J	0.0012		0.0012	
Cl2-BZ#5/#8	MG/KG		0.00092	U	0.00024	J	0.00035	J	0.00063	J	0.00087	J
Cl2-BZ#6	MG/KG		0.00046	U	0.00017	J	0.00043	J	0.00068		0.00073	
Cl2-BZ#7	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00015	J	0.00018	J
Cl2-BZ#12/#13	MG/KG		0.00092	U	0.00096	U	0.00091	U	0.00096	U	0.00092	U
Cl2-BZ#15	MG/KG		0.00046	U	0.00012	J	0.00017	J	0.00023	J	0.00026	J
Cl3-BZ#16/#32	MG/KG		0.00026	J	0.00086	J	0.0022		0.0032		0.0031	
Cl3-BZ#17	MG/KG		0.00025	J	0.00087		0.0029		0.0038		0.004	
Cl3-BZ#18	MG/KG		0.0005		0.002		0.0072		0.011		0.012	
Cl3-BZ#19	MG/KG		0.00046	U	0.0002	J	0.00044	J	0.00055		0.00064	
Cl3-BZ#21/#33	MG/KG		0.00092	U	0.0006	J	0.0008	J	0.0012		0.0014	
Cl3-BZ#22	MG/KG		0.00022	J	0.00094		0.0014		0.0022		0.0024	
Cl3-BZ#24/#27	MG/KG		0.00092	U	0.00022	J	0.00065	J	0.00092	J	0.00099	
Cl3-BZ#25	MG/KG		0.00018	J	0.0016		0.0024		0.0034		0.0039	
Cl3-BZ#26	MG/KG		0.00059		0.0045		0.0083		0.013		0.016	
Cl3-BZ#28/#31	MG/KG		0.0021		0.012		0.021		0.038		0.044	
Cl3-BZ#29	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl3-BZ#37	MG/KG		0.00046	U	0.00032	J	0.00022	J	0.00038	J	0.00038	J
Cl4-BZ#40	MG/KG		0.00046	U	0.00081		0.00077		0.0012		0.0016	
Cl4-BZ#41/#71	MG/KG		0.0011		0.0062		0.0082		0.015		0.022	
Cl4-BZ#42	MG/KG		0.00058		0.0019		0.0022		0.0046		0.0048	
Cl4-BZ#43/#49	MG/KG		0.0059		0.02		0.03		0.056		0.079	
Cl4-BZ#44	MG/KG		0.00088		0.0039		0.0066		0.01		0.013	
Cl4-BZ#45	MG/KG		0.00046	U	0.00029	J	0.00059		0.00083		0.00097	
Cl4-BZ#46	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl4-BZ#47/#48	MG/KG		0.0043		0.011		0.015		0.026		0.044	
Cl4-BZ#50	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00015	J	0.00046	U
Cl4-BZ#51	MG/KG		0.00046	U	0.00021	J	0.00042	J	0.00051		0.00056	
Cl4-BZ#52	MG/KG		0.0055		0.02		0.032		0.059		0.082	
Cl4-BZ#53	MG/KG		0.00046	U	0.00018	J	0.00062		0.00073		0.00096	
Cl4-BZ#54	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl4-BZ#56/#60	MG/KG		0.00084	J	0.0031		0.0035		0.007		0.0092	
Cl4-BZ#63	MG/KG		0.00045	J	0.001		0.0012		0.0022		0.0037	
Cl4-BZ#64	MG/KG		0.00044	J	0.00076		0.0017		0.0026		0.0024	
Cl4-BZ#66	MG/KG		0.0065		0.015		0.017		0.03		0.051	
Cl4-BZ#70	MG/KG		0.00046	U	0.0028		0.0015		0.0022		0.0032	
Cl4-BZ#74	MG/KG		0.0032		0.0079		0.01		0.02		0.032	
Cl4-BZ#76	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl4-BZ#77	MG/KG		0.0002	J	0.00048		0.00056		0.00092		0.0013	
Cl4-BZ#81	MG/KG		0.00046	U	0.00033	J	0.00026	J	0.00049		0.00066	
Cl5-BZ#82	MG/KG		0.00046	U	0.00077		0.00066		0.0013		0.0014	
Cl5-BZ#83	MG/KG		0.00046	U	0.00061		0.00055		0.00076		0.0011	
Cl5-BZ#85	MG/KG		0.0029		0.0056		0.0048		0.0075		0.014	
Cl5-BZ#87	MG/KG		0.0024		0.0072		0.0064		0.012		0.02	
Cl5-BZ#89	MG/KG		0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl5-BZ#91	MG/KG		0.001		0.0042		0.0046		0.0085		0.012	

Table 7A Sample Data for Scup (mg/kg wet weight) Area II 2004

	Sample#	NBH04-FF-A-2		NBH04-FF-B-2		NBH04-FF-C-2		NBH04-FF-D-2		NBH04-FF-E-2	
Cl5-BZ#92	MG/KG	0.00087		0.0039		0.0038		0.0063		0.0097	
Cl5-BZ#95	MG/KG	0.0014		0.0066		0.0078		0.012		0.02	
Cl5-BZ#97	MG/KG	0.0033		0.009		0.0078		0.014		0.024	
Cl5-BZ#99	MG/KG	0.022		0.039		0.038		0.06		0.13	
Cl5-BZ#100	MG/KG	0.00027	J	0.00066		0.00066		0.00099		0.0021	
Cl5-BZ#101/#84	MG/KG	0.019		0.043		0.041		0.069		0.13	
Cl5-BZ#104	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl5-BZ#105	MG/KG	0.0049		0.0097		0.0088		0.016		0.029	
Cl5-BZ#107	MG/KG	0.0027		0.0054		0.0041		0.0068		0.014	
Cl5-BZ#110	MG/KG	0.0039		0.019		0.018		0.034		0.053	
Cl5-BZ#114	MG/KG	0.00029	J	0.00048		0.00056		0.00087		0.0014	
Cl5-BZ#118	MG/KG	0.029		0.054		0.048		0.081		0.17	
Cl5-BZ#119	MG/KG	0.0012		0.0025		0.0023		0.004		0.0076	
Cl5-BZ#123	MG/KG	0.00086		0.0015		0.0013		0.0024		0.0045	
Cl5-BZ#124	MG/KG	0.00046	U	0.00043	J	0.00028	J	0.00046	J	0.0008	
Cl5-BZ#126	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl6-BZ#129	MG/KG	0.00014	J	0.00057		0.00034	J	0.00073		0.00093	
Cl6-BZ#130	MG/KG	0.00066		0.002		0.0014		0.0024		0.0043	
Cl6-BZ#131	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl6-BZ#132/#168	MG/KG	0.00092	U	0.00096	U	0.00091	U	0.00096	U	0.00092	U
Cl6-BZ#134	MG/KG	0.00046	U	0.00096		0.00083		0.0013		0.0021	
Cl6-BZ#135/#144	MG/KG	0.00047	J	0.0018		0.0015		0.0028		0.0043	
Cl6-BZ#136	MG/KG	0.00027	J	0.0012		0.0012		0.0017		0.0028	
Cl6-BZ#137	MG/KG	0.0011		0.0022		0.0018		0.0034		0.0059	
Cl6-BZ#138/#163	MG/KG	0.026		0.048		0.038		0.059		0.12	
Cl6-BZ#141	MG/KG	0.00064		0.0019		0.0014		0.0027		0.0043	
Cl6-BZ#146	MG/KG	0.0068		0.012		0.0095		0.015		0.032	
Cl6-BZ#147	MG/KG	0.00099		0.0018		0.0016		0.0028		0.0058	
Cl6-BZ#149	MG/KG	0.0052		0.016		0.015		0.026		0.045	
Cl6-BZ#151	MG/KG	0.00075		0.0028		0.0023		0.004		0.0067	
Cl6-BZ#153	MG/KG	0.042		0.068		0.059		0.096		0.21	
Cl6-BZ#154	MG/KG	0.00076		0.0012		0.0012		0.0018		0.0038	
Cl6-BZ#155	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl6-BZ#156	MG/KG	0.0024		0.0045		0.0033		0.0061		0.012	
Cl6-BZ#157	MG/KG	0.00066		0.0011		0.00087		0.0014		0.0029	
Cl6-BZ#158	MG/KG	0.0019		0.0037		0.0031		0.0053		0.01	
Cl6-BZ#167/#128	MG/KG	0.0072		0.012		0.0097		0.016		0.032	
Cl6-BZ#169	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl7-BZ#170/#190	MG/KG	0.0028		0.0047		0.0037		0.0055		0.011	
Cl7-BZ#171	MG/KG	0.00073		0.0011		0.001		0.0014		0.0029	
Cl7-BZ#172	MG/KG	0.00033	J	0.00067		0.00048		0.00071		0.0013	
Cl7-BZ#173	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl7-BZ#174	MG/KG	0.00016	J	0.00065		0.00055		0.00081		0.0011	
Cl7-BZ#175	MG/KG	0.00016	J	0.00026	J	0.00024	J	0.00032	J	0.00055	
Cl7-BZ#176	MG/KG	0.00016	J	0.00022	J	0.00019	J	0.00027	J	0.00046	
Cl7-BZ#177	MG/KG	0.0003	J	0.001		0.00082		0.0011		0.0021	
Cl7-BZ#178	MG/KG	0.00032	J	0.00054		0.00044	J	0.00067		0.0013	
Cl7-BZ#180	MG/KG	0.0051		0.0082		0.0072		0.01		0.02	
Cl7-BZ#182/#187	MG/KG	0.004		0.0063		0.0055		0.008		0.017	
Cl7-BZ#183	MG/KG	0.0016		0.0023		0.0022		0.003		0.006	
Cl7-BZ#184	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl7-BZ#185	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00024	J
Cl7-BZ#188	MG/KG	0.00046	U	0.0001	J	0.00012	J	0.00012	J	0.00022	J
Cl7-BZ#189	MG/KG	0.0002	J	0.00032	J	0.00033	J	0.00038	J	0.00076	
Cl7-BZ#191	MG/KG	0.00017	J	0.00021	J	0.00017	J	0.00031	J	0.00048	
Cl7-BZ#193	MG/KG	0.00046	U	0.00051	U	0.00046	U	0.00059	U	0.0012	
Cl8-BZ#194	MG/KG	0.00086		0.0011		0.001		0.0012		0.0024	
Cl8-BZ#195	MG/KG	0.00029	J	0.00054		0.00038	J	0.00038	J	0.00079	
Cl8-BZ#196/203	MG/KG	0.0011		0.0012		0.0015		0.0016		0.0028	

Table 7A Sample Data for Scup (mg/kg wet weight) Area II 2004

	Sample#	NBH04-FF-A-2		NBH04-FF-B-2		NBH04-FF-C-2		NBH04-FF-D-2		NBH04-FF-E-2	
Cl8-BZ#197	MG/KG	0.00046	U	0.00048	U	0.0001	J	0.00012	J	0.00019	J
Cl8-BZ#199	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl8-BZ#200	MG/KG	0.00021	J	0.00023	J	0.00029	J	0.00026	J	0.00056	
Cl8-BZ#201	MG/KG	0.00046		0.00068		0.00062		0.00081		0.0016	
Cl8-BZ#202	MG/KG	0.00023	J	0.00028	J	0.00026	J	0.00028	J	0.0006	
Cl8-BZ#205	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Cl9-BZ#206	MG/KG	0.0005		0.00065		0.001		0.00059		0.0012	
Cl9-BZ#207	MG/KG	0.00046	U	0.00048	U	0.0002	J	0.00048	U	0.00028	J
Cl9-BZ#208	MG/KG	0.00014	J	0.00033	J	0.00024	J	0.00029	J	0.00042	J
Cl10-BZ#209	MG/KG	0.00024	J	0.00033	J	0.00046		0.00026	J	0.00044	J
Aroclor-1232	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Aroclor-1242	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Aroclor-1248	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Aroclor-1254	MG/KG	0.00046	U	0.00048	U	0.00046	U	0.00048	U	0.00046	U
Aroclor-1260	MG/KG	0.047		0.075		0.066		0.098		0.16	

Table 7B Sample Data for Scup (mg/kg wet weight) Area III 2004

Parameter	Units	Sample#	NBH04-FF-A-3		NBH04-FF-B-3		NBH04-FF-C-3		NBH04-FF-D-3		NBH04-FF-E-3	
		Species	Scup		Scup		Scup		Scup		Scup	
		Area	III		III		III		III		III	
		Station	Station A		Station B		Station C		Station D		Station E	
Lipids	PERCENT		1.6		1.8		1.6		1.6		1.6	
Total PCB Congeners[1]	MG/KG		0.28	J3	0.30	J3	0.25	J3	0.39	J3	0.35	J3
Total PCB Congeners Hits[2]	MG/KG		0.28		0.29		0.24		0.38		0.34	
Total NOAA Congeners[3]	MG/KG		0.16	J4	0.18	J4	0.15	J4	0.22	J4	0.20	J4
Total WHO Congeners[4]	MG/KG		0.043	J3	0.050	J3	0.038	J3	0.058	J4	0.054	J3
Total NOAA / WHO Combined[5]	MG/KG		0.17	J4	0.19	J4	0.16	J4	0.23	J4	0.21	J4
Total Aroclors[6]	MG/KG		0.058	J3	0.062	J3	0.056	J3	0.059	J3	0.062	J3
Cl1-BZ#1	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl1-BZ#3	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl2-BZ#4/#10	MG/KG		0.00089	U	0.00093	U	0.00096	U	0.00017	J	0.00025	J
Cl2-BZ#5/#8	MG/KG		0.00089	U	0.00093	U	0.00015	J	0.00024	J	0.00024	J
Cl2-BZ#6	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00012	J	0.00013	J
Cl2-BZ#7	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl2-BZ#12/#13	MG/KG		0.00089	U	0.00093	U	0.00096	U	0.00095	U	0.00094	U
Cl2-BZ#15	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl3-BZ#16/#32	MG/KG		0.00042	J	0.00041	J	0.00049	J	0.00085	J	0.00077	J
Cl3-BZ#17	MG/KG		0.00042	J	0.00033	J	0.0004	J	0.0007		0.00071	
Cl3-BZ#18	MG/KG		0.00073		0.0005		0.00063		0.0011		0.0015	
Cl3-BZ#19	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00011	J	0.00011	J
Cl3-BZ#21/#33	MG/KG		0.00089	U	0.00093	U	0.00096	U	0.00095	U	0.00094	U
Cl3-BZ#22	MG/KG		0.00028	J	0.00046	U	0.00021	J	0.00035	J	0.00051	
Cl3-BZ#24/#27	MG/KG		0.00013	J	0.00093	U	0.00096	U	0.00018	J	0.00019	J
Cl3-BZ#25	MG/KG		0.00035	J	0.00018	J	0.00029	J	0.00041	J	0.00062	
Cl3-BZ#26	MG/KG		0.0011		0.0005		0.00069		0.0016		0.0019	
Cl3-BZ#28/#31	MG/KG		0.0034		0.002		0.0022		0.0045		0.005	
Cl3-BZ#29	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl3-BZ#37	MG/KG		0.00012	J	0.00046	U	0.00048	U	0.00014	J	0.00014	J
Cl4-BZ#40	MG/KG		0.00042	J	0.00046	U	0.00048	U	0.00051		0.00032	J
Cl4-BZ#41/#71	MG/KG		0.0023		0.0013		0.0011		0.0028		0.0027	
Cl4-BZ#42	MG/KG		0.00095		0.00056		0.0005		0.00098		0.001	
Cl4-BZ#43/#49	MG/KG		0.0072		0.0059		0.0051		0.011		0.011	
Cl4-BZ#44	MG/KG		0.0023	J	0.00098		0.0012		0.0029		0.0022	
Cl4-BZ#45	MG/KG		0.00027	J	0.00046	U	0.00012	J	0.00021	J	0.00016	J
Cl4-BZ#46	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl4-BZ#47/#48	MG/KG		0.0042		0.004		0.0033		0.0063		0.006	
Cl4-BZ#50	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl4-BZ#51	MG/KG		0.00019	J	0.00011	J	0.00015	J	0.00026	J	0.00019	J
Cl4-BZ#52	MG/KG		0.0072		0.0052		0.0051		0.012		0.011	
Cl4-BZ#53	MG/KG		0.00025	J	0.00012	J	0.0002	J	0.00035	J	0.00021	J
Cl4-BZ#54	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl4-BZ#56/#60	MG/KG		0.0021	J	0.00088	J	0.0009	J	0.0016		0.0015	
Cl4-BZ#63	MG/KG		0.00051		0.00046	J	0.00038	J	0.00065		0.00062	
Cl4-BZ#64	MG/KG		0.00071		0.00054		0.00047	J	0.00078		0.00068	
Cl4-BZ#66	MG/KG		0.007		0.0061		0.0048		0.009		0.0085	
Cl4-BZ#70	MG/KG		0.0027	J	0.00046	U	0.00072		0.0011		0.00097	
Cl4-BZ#74	MG/KG		0.0036		0.0026		0.0022		0.004		0.0041	
Cl4-BZ#76	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl4-BZ#77	MG/KG		0.00033	J	0.00015	J	0.00023	J	0.00044	J	0.00022	J
Cl4-BZ#81	MG/KG		0.00014	J	0.00046	U	0.00048	U	0.0002	J	0.00047	U
Cl5-BZ#82	MG/KG		0.0007		0.00046	U	0.00048	U	0.0006		0.00065	
Cl5-BZ#83	MG/KG		0.00037	J	0.0002	J	0.00048	U	0.00068		0.00056	
Cl5-BZ#85	MG/KG		0.003		0.003		0.0023		0.004		0.0036	
Cl5-BZ#87	MG/KG		0.0035		0.0027		0.0024		0.0045		0.0039	
Cl5-BZ#89	MG/KG		0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl5-BZ#91	MG/KG		0.0017		0.0014		0.0013		0.0024		0.0024	

Table 7B Sample Data for Scup (mg/kg wet weight) Area III 2004

	Sample#	NBH04-FF-A-3		NBH04-FF-B-3		NBH04-FF-C-3		NBH04-FF-D-3		NBH04-FF-E-3	
Cl5-BZ#92	MG/KG	0.0014		0.0013		0.0015		0.0034		0.0023	
Cl5-BZ#95	MG/KG	0.003		0.002		0.0022		0.0051		0.0037	
Cl5-BZ#97	MG/KG	0.0042		0.0037		0.0032		0.0062		0.0053	
Cl5-BZ#99	MG/KG	0.019	J	0.024		0.018		0.028		0.025	
Cl5-BZ#100	MG/KG	0.00037	J	0.00038	J	0.00027	J	0.00045	J	0.00045	J
Cl5-BZ#101/#84	MG/KG	0.019		0.02		0.016		0.03		0.026	
Cl5-BZ#104	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl5-BZ#105	MG/KG	0.0053		0.0048		0.0038		0.006		0.0058	
Cl5-BZ#107	MG/KG	0.0029		0.0038		0.0029		0.0046		0.0038	
Cl5-BZ#110	MG/KG	0.0076		0.0058		0.0054		0.0097		0.0099	
Cl5-BZ#114	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.0003	J	0.00026	J
Cl5-BZ#118	MG/KG	0.026	J	0.031		0.023		0.036		0.034	
Cl5-BZ#119	MG/KG	0.001		0.0012		0.00097		0.0017		0.0015	
Cl5-BZ#123	MG/KG	0.00081		0.00083		0.00048	U	0.00095		0.00084	
Cl5-BZ#124	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00017	J	0.00025	J
Cl5-BZ#126	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl6-BZ#129	MG/KG	0.00033	J	0.00046	U	0.00021	J	0.00039	J	0.0004	J
Cl6-BZ#130	MG/KG	0.00097		0.0011		0.0011		0.002		0.0013	
Cl6-BZ#131	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl6-BZ#132/#168	MG/KG	0.00089	U	0.00093	U	0.00096	U	0.00095	U	0.00094	U
Cl6-BZ#134	MG/KG	0.00054		0.00056		0.00066		0.0013		0.00077	
Cl6-BZ#135/#144	MG/KG	0.0009		0.00077	J	0.00084	J	0.0018		0.0012	
Cl6-BZ#136	MG/KG	0.00049		0.00048		0.00052		0.0011		0.00082	
Cl6-BZ#137	MG/KG	0.00095		0.0011		0.00048	U	0.0013		0.0014	
Cl6-BZ#138/#163	MG/KG	0.027	J	0.033		0.028		0.039		0.033	
Cl6-BZ#141	MG/KG	0.00091		0.00082		0.00048	U	0.0014		0.0011	
Cl6-BZ#146	MG/KG	0.0068		0.0091		0.0074		0.0095		0.0082	
Cl6-BZ#147	MG/KG	0.00086		0.0011		0.001		0.0015		0.0012	
Cl6-BZ#149	MG/KG	0.0072		0.0078		0.0075		0.012		0.011	
Cl6-BZ#151	MG/KG	0.0012		0.0014		0.0013		0.0026		0.0019	
Cl6-BZ#153	MG/KG	0.042	J	0.052		0.044		0.054		0.049	
Cl6-BZ#154	MG/KG	0.00074		0.00091		0.00072		0.0011		0.00081	
Cl6-BZ#155	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl6-BZ#156	MG/KG	0.0023		0.0028		0.0022		0.0032		0.0029	
Cl6-BZ#157	MG/KG	0.00073		0.0009		0.00065		0.0009		0.00078	
Cl6-BZ#158	MG/KG	0.0017		0.002		0.0016		0.0024		0.0023	
Cl6-BZ#167/#128	MG/KG	0.0068		0.0086		0.0069		0.0091		0.0084	
Cl6-BZ#169	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl7-BZ#170/#190	MG/KG	0.003		0.0035		0.003		0.0033		0.0034	
Cl7-BZ#171	MG/KG	0.00081		0.00096		0.00078		0.00093		0.00088	
Cl7-BZ#172	MG/KG	0.0005		0.00043	J	0.00044	J	0.00057		0.00042	J
Cl7-BZ#173	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl7-BZ#174	MG/KG	0.00039	J	0.00042	J	0.00051		0.0007		0.00041	J
Cl7-BZ#175	MG/KG	0.00044	U	0.0001	J	0.00028	J	0.00023	J	0.0002	J
Cl7-BZ#176	MG/KG	0.00016	J	0.00016	J	0.00018	J	0.00021	J	0.00016	J
Cl7-BZ#177	MG/KG	0.00069		0.00081		0.00087		0.0014		0.00071	
Cl7-BZ#178	MG/KG	0.00042	J	0.00044	J	0.00051		0.00066		0.00042	J
Cl7-BZ#180	MG/KG	0.0056		0.006		0.0054		0.0059		0.0056	
Cl7-BZ#182/#187	MG/KG	0.0052		0.0056		0.0052		0.0059		0.0048	
Cl7-BZ#183	MG/KG	0.0018		0.0018		0.0016		0.0018		0.0018	
Cl7-BZ#184	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl7-BZ#185	MG/KG	0.00044	U	0.00046	U	0.0001	J	0.00048	U	0.00047	U
Cl7-BZ#188	MG/KG	0.00044	U	0.00011	J	0.00048	U	0.0001	J	0.00047	U
Cl7-BZ#189	MG/KG	0.00024	J	0.00027	J	0.00048	U	0.00024	J	0.00027	J
Cl7-BZ#191	MG/KG	0.00015	J	0.00018	J	0.00048	U	0.00011	J	0.00014	J
Cl7-BZ#193	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl8-BZ#194	MG/KG	0.001		0.00093		0.0011		0.00085		0.00087	
Cl8-BZ#195	MG/KG	0.00033	J	0.00038	J	0.00047	J	0.00027	J	0.00047	U
Cl8-BZ#196/203	MG/KG	0.0012		0.0012		0.0011		0.001		0.001	

Table 7B Sample Data for Scup (mg/kg wet weight) Area III 2004

	Sample#	NBH04-FF-A-3		NBH04-FF-B-3		NBH04-FF-C-3		NBH04-FF-D-3		NBH04-FF-E-3	
Cl8-BZ#197	MG/KG	0.00014	J	0.00046	U	0.00012	J	0.00015	J	0.00047	U
Cl8-BZ#199	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl8-BZ#200	MG/KG	0.00035	J	0.00026	J	0.00027	J	0.00024	J	0.00022	J
Cl8-BZ#201	MG/KG	0.00084		0.00076		0.00074		0.00079		0.00067	
Cl8-BZ#202	MG/KG	0.00041	J	0.00033	J	0.00028	J	0.0004	J	0.00028	J
Cl8-BZ#205	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Cl9-BZ#206	MG/KG	0.001		0.00081		0.00086		0.0006		0.00062	
Cl9-BZ#207	MG/KG	0.00009	J	0.00023	J	0.00048	U	0.00048	U	0.00047	U
Cl9-BZ#208	MG/KG	0.00036	J	0.00031	J	0.00025	J	0.00028	J	0.00028	J
Cl10-BZ#209	MG/KG	0.00051		0.00034	J	0.00033	J	0.0003	J	0.00033	J
Aroclor-1232	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Aroclor-1242	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Aroclor-1248	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Aroclor-1254	MG/KG	0.00044	U	0.00046	U	0.00048	U	0.00048	U	0.00047	U
Aroclor-1260	MG/KG	0.057		0.061		0.055		0.058		0.061	

Appendix B Data Validation Summary

Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Seafood Contaminant Survey Monitoring
2004 Sampling

Introduction:

Sixty-six fish tissue samples were collected from New Bedford Harbor, MA, during 2004. Samples were preserved by freezing (-20°C) until receipt on August 22, 2005, by Alpha Woods Hole Laboratory located in Raynham, Massachusetts. Tissue samples were analyzed for the following parameters: polychlorinated biphenyls (PCBs) by GC/MS Single Ion Monitoring (SIM) and percent lipids.

Tissue samples were analyzed in five separate data sets: 0508094 (eels/flounder/sea bass), 0508095 (quahogs), 0508093 (scup/flounder), 0509010 (lobster tomalley), and 0508092 (lobster/crab meat). Tier I+ data validation was performed for all data sets. The data packages were validated using Region I EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (USEPA, 1996), Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (USEPA, 2004), Alpha Woods Hole Laboratory Standard Operating Procedure (SOP) O-010 (Alpha, 2002), and the New Bedford Harbor Seafood Contaminant Survey Quality Assurance Project Plan (MADEP, 9/13/05).

For Tier I+ data validation, data were evaluated for the following parameters:

* Collection and Preservation
* Holding Times
* Data Completeness
* Initial Calibration
* Continuing Calibration
  Blanks
* Surrogate Standards
  Standard Reference Material
  Laboratory Control Samples
  Matrix Spike/Matrix Spike Duplicates
  Laboratory Duplicates
* Internal Standards
  Target Compound Quantitation

* - all criteria were met for this parameter

In general, laboratory performance is considered acceptable and all results are usable. The following qualifying statements have been applied to the 2004 data.

Blanks

PCB (0508093) – Congeners BZ 28/31 (0.21 ug/kg), BZ 21/33 (0.10 ug/kg), BZ 43/49 (0.13 ug/kg), BZ 70 (0.11 ug/kg), BZ 95 (0.15 ug/kg), BZ 180 (0.18 ug/kg), and BZ 193 (0.13 ug/kg) were detected in the method blank associated with all samples. All blank detections were less than the reporting limits. Action levels were established at five times the blank concentration for each detected congener. Positive sample results greater than the action level were reported unqualified. Positive sample detections that were less than the action level and less than the reporting limit were qualified as non-detected (U) at the reporting limit. Positive sample detections that were less than the action level and greater than the reporting limit were qualified as non-detected (U) at the reported sample concentration.

PCB (0509010) – Twenty-three congeners were detected in the method blank associated with all samples. All blank detections were less than the reporting limits. Action levels were established at five times the blank concentration for each detected congener. Positive sample results greater than the action level were reported unqualified. Positive sample detections that were less than the action level and less than the reporting limit were qualified as non-detected (U) at the reporting limit. Positive sample detections that were less than the action level and greater than the reporting limit were qualified as non-detected (U) at the reported sample concentration. The blank contamination is interpreted to have an insignificant impact on reported sample data because all samples in the data set required reanalysis at dilutions in order to bring congener concentrations into the linear range of the instrument calibration.

Laboratory Control Samples

PCB (0509010) – Percent recoveries for the laboratory control sample and/or laboratory control sample duplicate analyzed concurrently with SDG 0509010 were outside the 60-140% control limits for the following congeners: BZ 169 (59) and BZ 170/190 (58/56). Potential slight low biases are indicated for these congeners, therefore; positive and non-detected results for BZ 169 and BZ 170/190 were qualified as estimated (J/UJ) in all samples in SDG 0509010.

Standard Reference Material

PCB (0508094) – **Percent recovery for the Standard Reference Material analyzed concurrently with SDG 0508094 was outside the 60-140% control limits for congener BZ 156 (145). A high bias was indicated by the recovery. Positive detections of BZ 156 were reported in all samples of SDG 0508094 and results were qualified as estimated (J).**

Matrix Spike/Matrix Spike Duplicates

PCB (0508093) – Percent recoveries for PCB congeners BZ 99 (147), BZ 118 (162), BZ 153 (222), and BZ 138/163 (157) in the matrix spike of NBH04-FF-A-3 were above laboratory control limits of 60-140% indicating potential high biases. Positive results for these congeners in sample NBH04-FF-A-3 were qualified as estimated (J).

PCB (0508092) – Low recoveries were reported for the majority of congeners in the matrix spike of sample NBH04-L-A-1. In most cases, the congener concentration in the unspiked sample was significantly (>4X) greater than the spike concentration resulting in spike concentrations that were indistinguishable from the native sample concentrations. The following congeners had relatively low concentrations in the unspiked sample as well as matrix spike percent recoveries below 60: BZ 95, BZ 87, BZ 77, BZ 151, BZ 123, BZ 105, BZ 158, BZ 182/187, BZ 183, BZ 167/128, BZ 174, BZ 177, BZ 156, BZ 180, and BZ 170/190. Positive detections of these congeners in sample NBH04-L-A-1 were qualified as estimated (J) and may represent low biases as indicated by the matrix spike data.

PCB (0508094) – Percent recoveries that were outside the 60-140% control limits were reported for the majority of congeners in the matrix spike of sample NBH04-FF-A-1. In most cases, the congener concentration in the unspiked sample was significantly (>4X) greater than the spike concentration resulting in spike concentrations that were indistinguishable from the native sample concentrations. The following congeners had relatively low concentrations in the unspiked sample as well as matrix spike percent recoveries that were below 60: BZ 70, BZ 114, BZ 174, BZ 177, and BZ157. Positive detections of these congeners were reported in NBH04-FF-A-1, and results were qualified as estimated (J) and may represent low biases. In addition, a percent recovery of zero (0) was reported for congener BZ 169 in the matrix spike of NBH04-FF-A-1. Based on the potential for false negative reporting, the non-detected result for BZ 169 in NBH04-FF-A-1 was qualified as rejected (R).

Laboratory Duplicates

PCB (0508093) – Relative percent differences (RPDs) between sample and laboratory duplicate results for PCB congeners BZ 44 (50), BZ 70 (119), and BZ 56/60 (67) were above the 30% control limit in the duplicate analysis of sample NBH04-FF-A-3. Positive results for these congeners were qualified as estimated (J) in sample NBH04-FF-A-3.

PCB (0508092) – RPDs, or in some cases absolute differences, between sample and laboratory duplicate results for PCB congeners BZ 1, BZ 3, BZ 7, BZ 19, BZ 54, BZ 50, BZ 45, BZ 104, BZ 40, BZ 155, BZ 81, BZ 114, BZ 188, BZ 126, BZ 183, BZ 174, BZ 177, BZ 202, BZ 200, BZ 157, BZ 169, BZ 201, BZ 189, BZ 208, BZ 195, BZ 194, BZ 205, BZ 206, and BZ 209 were above the control limits in the duplicate analysis of sample NBH04-L-A-1. Positive and non-detected results for these congeners were qualified as estimated (J/UJ) in sample NBH04-L-A-1.

PCB (0508094) – Absolute differences between sample and laboratory duplicate results for PCB congeners BZ 89, BZ 134, BZ 132/168, BZ 202, and BZ 193 were above the control limits in the duplicate analysis of sample NBH04-FF-A-1. Positive and non-detected results for these congeners were qualified as estimated (J/UJ) in sample NBH04-FF-A-1.

Target Compound Quantitation

PCB (0508092) – The Total PCB result for sample NBH04-L-A-1 was qualified as estimated (J) based on professional judgment. Concentrations of multiple PCB congeners, previously qualified as estimated (J) due to low matrix spike recoveries and/or inconsistent duplicate results, represent greater than ten percent of the Total PCB concentration.

PCB (0508093) – The Total PCB result for sample NBH04-FF-A-3 was qualified as estimated (J) based on professional judgment. Concentrations of multiple PCB congeners, previously qualified as estimated (J) due to high matrix spike recoveries, represent greater than ten percent of the Total PCB concentration.

PCB (0508094) – PCB congeners BZ 131 and BZ 146 co-eluted in the analyses of all samples in SDG 0508094. For each sample, the laboratory reported the co-eluting peak as separate congeners, reporting the total concentration obtained as BZ 131 and reporting "N/A" for congener BZ 146. Based on professional judgment, to reflect the uncertainty in the identification and quantitation of these two congeners, the total concentration reported by the laboratory as BZ 131 was qualified as estimated (J) in each sample in SDG 0508094. In addition, this value has also been reported as a concentration for BZ 146 and has been qualified as estimated (J) in each sample. The Total PCB concentration for each sample was left as originally reported by the laboratory.

References:

U.S. Environmental Protection Agency (USEPA), 1996. "Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, Parts I and II," Quality Assurance Unit Staff; Office of Environmental Measurement and Evaluation; December, 1996.

U.S. Environmental Protection Agency (USEPA), 2004. "Region I, Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses;" Hazardous Site Evaluation Division; Draft, February, 2004.

MADEP, 9/13/05. "Quality Assurance Project Plan for the New Bedford Harbor Seafood Contaminant Survey," Massachusetts Department of Environmental Protection; September, 2005.

Alpha Woods Hole Laboratory, 2002. "Determination of PCB Homologs and Individual Congeners by GC/MS-SIM," Alpha Woods Hole Group Environmental Laboratories; October, 2002.

Data Validator: Julie Ricardi

Signature Signature on file Date April 29, 2006

Appendix C

Seafood Monitoring - Field Sampling Activities for the New Bedford Harbor Superfund Site
2006 Annual Report

Seafood Monitoring - Field Sampling Activities
for the New Bedford Harbor Superfund Site
2004 Annual Report

By Frank Germano, Aquatic Biologist III
Massachusetts Division of Marine Fisheries
December 16, 2004

The Massachusetts Division of Marine Fisheries (*MarineFisheries*) under an agreement with the Massachusetts Department of Environmental Protection (DEP) collects legal size fish and shellfish from the three New Bedford Harbor fish closure areas. At the end of the collection period, these frozen samples were delivered to the DEP Wall Experiment Station (WES) Laboratory in Lawrence for analysis. DEP provides the results of the analyses to EPA to monitor and support of the site remediation project. This report describes field activities for 2004 and in accordance with the Seafood Monitoring and Field Sampling Work Plan and makes recommendations for the upcoming 2005 field season based on results obtained during the previous field season.

Sample Sites

The three Fish Closure Areas are identified on the attached Figure 1 from the EPA Record of Decision for the Upper and Lower Operable Unit, New Bedford Harbor Superfund Site, New Bedford, Massachusetts, dated September 25, 1998. Area 1 includes the waters of the Acushnet River and the New Bedford/Fairhaven Inner Harbor north of the Hurricane Barrier. Area 2 comprises the waters of the Outer Harbor and Clarks Cove south of the Hurricane Barrier and north of a line drawn from Wilbur Point in Fairhaven to Ricketsons Point in Dartmouth. Area 3 is that portion of Buzzards Bay south of the line drawn from Wilbur Point in Fairhaven to Ricketsons Point in Dartmouth and north of a line drawn from Rocky Point on West Island in Fairhaven to the Negro Ledge C3 buoy then to Mishaum Point in Dartmouth.

There are five sample stations in each of the three fish closure areas in the waters of the City of New Bedford and the Towns of Dartmouth and Fairhaven. Station locations within each area vary for different species as what may be suitable habitat for one species may not be suitable for another (Figures 2 to 9).

2004 Field Collections

Complete information including the harvest dates, collection identification information, species, station identification information, location by latitude and longitude, and collection method is appended to this report as Attachment 2 – DMF Field Collection Forms 1 to 6.

American lobster (*Homarus americanus*) & Blue crabs (*Callinectes sapidus*)
Lobster and blue crabs were harvested by pots during the period June – July. Three legal size lobsters were collected at each of the five stations in Areas 2 and 3 (see Figure 2 and Collection Form 1). Three lobster were also collected from Station E in Area 1. As the Inner Harbor is not lobster habitat, blue crabs were collected at the remaining four Area 1 stations. Three legal size blue crabs were harvested from each station (see Figure 3 and Collection Form 2).

Quahog (*Mercenaria mercenaria*)
Marine Fisheries collected quahogs from all fifteen stations in the three Fish Closure Areas in June and July prior the animals spawning, except for location E-3 which was collected in September (see Figure 4 and Collection Form 3). Seven to twenty legal size quahogs were collected from each station in order to provide sufficient sample sizes for the Work Plan.

American eel (*Anguilla rostrata*)
Eels were harvested using traditional eel pots at the five stations in Area 1 and at station C, just south of the hurricane barrier in Area 2 in July (see Figure 5 and Collection Form 4). Three legal size eels were collected at each station. Pots were set at several other stations in Areas 2 and 3 without success in an attempt to collect eels. Most of Area 2 and all of Area 3 are not considered to be optimum habitat for eels.

Flounder (*Paralyichys dentatus* & *Pseudopleuronectes americanus*)
In an effort to collect benthic species other than eels in Areas 2 & 3, fish pots were set at several different locations. Summer flounder (*Paralyichys dentatus*) and winter flounder (*Pseudopleuronectes americanus*) were collected at stations A and E in Area 2 in July and August (see Figures 6 and 7, and Collection Form 4). As per the work plan, three legal size flounder were harvested from each station. Despite considerable effort, no flounder were harvested at the other Area 2 and 3 stations.

Black Sea Bass (*Centropristes striatus*)
As a result of the difficulty in collecting benthic species in the remaining portion of Area 2 and in Area 3, the bottom feeding black sea bass were harvested by rod and reel at stations B and D in Area 2 and the five stations in Area 3 in August and October (see Figure 8 and Collection Form 5). As per the work plan, three to five legal size black sea bass were harvested from each of these stations.

Scup (*Stenotomus chrysops)*
Five legal size scup were collected at the ten stations in Areas 2 and 3 using pots and rod and reels in July and August (see Figure 9 and Collection Form 6). While these fish were quite plentiful in Areas 2 and 3, none were taken in Area 1. Fish pots were set at several locations in the Inner Harbor (Area 1) during August and September. However, as the area is not suitable scup habitat no legal size fish were caught north of the hurricane barrier.

Planning for 2005 Field Collections

MarineFisheries is preparing to implement the sampling plan for 2005. As in past years, sufficient numbers of all target species, with the exception of quahogs, were unavailable at all stations. *MarineFisheries* is once again recommending continuing the modifications to the Work Plan in order to obtain other species considered locally edible seafood during field sampling periods. Based on the results of the last three years sampling, the following recommendations are provided in order to accomplish the objectives of the Seafood Monitoring and Field Sampling Work Plan:

Quahog, lobster, blue crab, eel, flounder, scup & sea bass sampling will resume similar to last year, beginning in late May and continue through October. Lobster will be collected in Areas 2 and 3, and efforts will continue to collect lobster in Area 1. However, given the difficulties encountered in past years with lobster collections, blue crabs will again replace lobsters as the

target crustacean species in Area 1.

An effort will once again be made to collect flounder as a benthic species at all stations in Areas 2 and 3. If flounder can not be collected at any of these stations, black sea bass will be harvested in their place. Eels will again be the target benthic species for Area 1.

It is recommended that alewife (*Alosa pseudoharengus*) and blueback herring (*Alosa aestivalis*) be included in the 2005 sampling of Area 1 at the head of the river. *MarineFisheries* biologists have indicated that these anadromous fish are present at the dam at the head of the river in sufficient numbers to support the work plan. Large numbers of these river herring are being harvested and consumed annually throughout the Buzzards Bay watershed.

ATTACHMENT 1
DMF HARVEST SITE MAPS

Note: These figures are in the main body of the "Contaminated Monitoring Report for Seafood Harvested in 2004 from the New Bedford Harbor Superfund Site" Report and the same figure numbers apply.

ATTACHMENT 2
DMF FIELD COLLECTION FORMS

Field Collection Form 1 Lobster
Field Collection Form 2 Blue Crab
Field Collection Form 3 Quahog
Field Collection Form 4 American Eel and Flounder
Field Collection Form 5 Black Sea Bass
Field Collection Form 6 Scup

FIELD COLLECTION FORM 1: DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559

PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ____ FROZEN X SAMPLE

COLLECTION DATE DDMMYY	COLLECTION /TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
1/07//04	NBH04-L-A-3	3 Lobster	Station A Angelica Rock	NBH Area 3	041 34.664' 070 51.566'	Lobster Pots	
21/06/04	NBH04-L-B-3	3 Lobster	Station B Radome R"8"	NBH Area 3	041 32.302' 070 54.353'	Lobster Pots	
21/06/04	NBH04-L-C-3	3 Lobster	Station C SP Rock C"1"	NBH Area 3	041 31.522' 070 56.268'	Lobster Pots	
24/06/04	NBH04-L-D-3	3 Lobster	Station D Sand Spit R"4"	NBH Area 3	041 31.861' 070 54.799'	Lobster Pots	
24/06/04	NBH04-L-E-3	3 Lobster	Station E Lone Rock N"4"	NBH Area 3	041 33.635' 070 54.926'	Lobster Pots	
28/06/04	NBH04-L-A-2	3 Lobster	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Lobster Pots	
6/07/04	NBH04-L-B-2	3 Lobster	Station B Sconticut Neck	NBH Area 2	041 35.938' 070 52.043'	Lobster Pots	
6/07/04	NBH04-L-C-2	3 Lobster	Station C Ricketsons Pt.	NBH Area 2	041 34.785' 070 55.936'	Lobster Pots	
1/07/04	NBH04-L-D-2	3 Lobster	Station D E-Fort Rodman	NBH Area 2	041 35.767' 070 53.922'	Lobster Pots	
1/07/04	NBH04-L-E-2	3 Lobster	Station E Fort Phoenix	NBH Area 2	041 37.422' 070 54.171'	Lobster Pots	
9/07/04	NBH04-L-E-1	3 Lobster	Station E E of opening on shore	NBH Area 1	041 37.582' 070 54.181'	Lobster Pots	

FIELD COLLECTION FORM 2: DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559

PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ____ FROZEN X

SAMPLE

COLLECTION DATE DDMMYY	COLLECTION /TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
22/07/04	NBH04-L-A-1	3 Blue Crabs	Station A N of Coggeshall	NBH Area 1	041 39.622' 070 55.012'	Crab Pots	
29/07/04	NBH04-L-B-1	3 Blue Crabs	Station B S of Rte 195	NBH Area 1	041 39.330' 070 54.965'	Crab Pots	
29/07/04	NBH04-L-C-1	3 Blue Crabs	Station C NE of Popes	NBH Area 1	041 38.703' 070 54.820'	Crab Pots	
22/07/04	NBH04-L-D-1	3 Blue Crabs	Station D N of Crow I	NBH Area 1	041 38.248' 070 54.638'	Crab Pots	

FIELD COLLECTION FORM 3: DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559

PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION/ TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
14/07/04	NBH04-SF-A-1	19 Quahogs	Station A West of barrier opening	NBH Area 1	041 37.401' 070 54.617'	Rake	
29/06/04	NBH04-SF-B-1	15 Quahogs	Station B Palmers Island	NBH Area 1	041 37.330' 070 54.847'	Rake	
29/06/04	NBH04-SF-C-1	14 Quahogs	Station C Crow's Island	NBH Area 1	041 38.251' 070 54.646'	Rake	
29/06/04	NBH04-SF-D-1	13 Quahogs	Station D N. of Gifford's Marina	NBH Area 1	041 38.773 070 54.688'	Rake	
29/06/04	NBH04-SF-E-1	13 Quahogs	Station E Tin Can Island	NBH Area 1	041 39.172' 070 55.058'	Rake	
29/06/04	NBH04-SF-A-2	15 Quahogs	Station A Clarks Cove	NBH Area 2	041 36.812' 070 55.307'	Rake	
29/06/04	NBH04-SF-B-2	15 Quahogs	Station B Rogers Street	NBH Area 2	041 36.473' 070 55.863'	Rake	
29/06/04	NBH04-SF-C-2	15 Quahogs	Station C Davy Locker Beach	NBH Area 2	041 35.796' 070 54.117'	Rake	
29/06/04	NBH04-SF-D-2	7 Quahogs	Station D Egg Island	NBH Area 2	041 36.699 070 53.258'	Rake	
29/06/04	NBH04-SF-E-2	13 Quahogs	Station E S. of Hurricane Barrier	NBH Area 2	041 36.892' 070 54.530'	Rake	
29/06/04	NBH04-SF-A-3	18Quahogs	Station A Little Island	NBH Area 3	041 35.500' 070 57.130'	Rake	

FIELD COLLECTION FORM 3 (Continued): DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559
PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION/ TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
29/06/04	NBH04-SF-B-3	20 Quahogs	Station B Star of the Sea	NBH Area 3	041 35.473' 070 57.610'	Rake	
8/07/04	NBH04-SF-C-3	17 Quahogs	Station C Wilbur's Point	NBH Area 3	041 35.290' 070 51.191'	Rake	
8/07/04	NBH04-SF-D-3	16 Quahogs	Station D Nakata Beach	NBH Area 3	041 35.290 070 50.915'	Rake	
17/09/04	NBH04-SF-E-3	13 Quahogs	Station E E. of Bent's Ledge	NBH Area 3	041 34.250' 070 53.750'	Rake	

FIELD COLLECTION FORM 4: DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559
PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION/ TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
1/07/04	NBH04-FF-A-1	3 American Eels	Station A Palmer's Island	NBH Area 1	041 37.500' 070 54.550'	Eel Pots	
1/07/04	NBH04-FF-B-1	3 American Eels	Station B East of Kelley's Boatyard	NBH Area 1	041 38.350' 070 54.490'	Eel Pots	
1/07/04	NBH04-FF-C-1	3 American Eels	Station C N. of Pope's Island	NBH Area 1	041 38.520' 070 54..840'	Eel Pots	
9/07/04	NBH04-FF-E-1	3 American Eels	Station E Revere Brass Pier	NBH Area 1	041 39.020' 070 55.210'	Eel Pots	
14/07/04	NBH04-FF-D-1	3 American Eels	Station D North of Coggeshall Bridge	NBH Area 1	041 39.580' 070 54.880'	Eel Pots	
9/07/04	NBH04-FF-C-2	3 American Eels	Station C W of Opening	NBH Area 2	041 37.180' 070 54.770'	Fish Pots	
14/07/04	NBH04-FF-E-2	2 Summer Flounder 1 Winter Flounder	Station E Egg Island Flats	NBH Area 2	041 36.523' 070 53.258``	Fish Pots	
26/08/04	NBH04-FF-A-2	3 Summer Flounder	Station A Smast Pier	NBH Area 2	041 35.556' 070 54.669'	Fish Pots	

FIELD COLLECTION FORM 5: DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559
PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ____ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION/ TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
02/08/04	NBH04-FF-B-3	4 Sea Bass	Station B Negro Ledge	NBH Area 3	041 32.922' 070 52.023'	Rod and Reel	
23/08/04	NBH04-FF-D-3	5 Sea Bass	Station D Radome	NBH Area 3	041 32.281' 070 55.292'	Fish Pots	
16/08/04	NBH04-FF-C-3	5 Sea Bass	Station C R "8"	NBH Area 3	041 32.228' 070 54.306'	Rod and Reel	
07/10/04	NBH04-FF-A-3	3 Sea Bass	Station A Great Ledge	NBH Area 3	041 32.540' 070 53.766'	Rod and Reel	
30/08/04	NBH04-FF-E-3	5 Sea Bass	Station E Angelica Rock	NBH Area 3	041 34.711' 070 51.498'	Fish Pots	
07/10/04	NBH04-FF-B-2	4 Sea Bass	Station B E of Fort Rodman	NBH Area 2	041 35.596' 070 53.922'	Rod and Reel	
07/10/04	NBH04-FF-D-2	3 Sea Bass	Station D Lighthouse	NBH Area 2	041 36.242' 070 53.683'	Fish Pots	

FIELD COLLECTION FORM 6: DIVISION OF MARINE FISHERIES, SOUTHSHORE OFFICE, 50A PORTSIDE DRIVE, POCASSET, MA 02559

PROJECT #: NBH04 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ____ FROZEN X

SAMPLE

COLLECTION DATE DDMMYY	COLLECTION/ TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
22/07/04	NBH04-FF-A-3	5 Scup	Station A Great Ledge	NBH Area 3	041 32.540' 070 53.766'	Rod and Reel	
02/08/04	NBH04-FF-B-3	5 Scup	Station B Negro Ledge	NBH Area 3	041 32.922' 070 52.023'	Fish Pots	
02/08/04	NBH04-FF-C-3	5 Scup	Station C R "8"	NBH Area 3	041 32.228' 070 54.306'	Rod and Reel	
02/08/04	NBH04-FF-D-3	5 Scup	Station D Radome	NBH Area 3	041 32.281' 070 55.292'	Rod and Reel	
26/07/04	NBH04-FF-E-3	5 Scup	Station E Angelica Rock	NBH Area 3	041 34.711' 070 51.498'	Fish Pots	
10/08/04	NBH04-FF-A-2	5 Scup	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Rod and Reel	
02/08/04	NBH04-FF-B-2	5 Scup	Station B E of Fort Rodman	NBH Area 2	041 35.596' 070 53.922'	Fish Pots	
29/07/04	NBH04-FF-C-2	5 Scup	Station C W of Opening	NBH Area 2	041 37.380' 070 54.430'	Fish Pots	
29/07/04	NBH04-FF-D-2	5 Scup	Station D Lighthouse	NBH Area 2	041 36.242' 070 53.683'	Rod and Reel	
02/08/04	NBH04-FF-E-2	5 Scup	Station E Egg Rocks	NBH Area 2	041 36.523' 070 53.258'	Rod and Reel	