

Contaminated Monitoring Report for Seafood Harvested in 2006

from

the New Bedford Harbor Superfund Site

by

Massachusetts Department of Environmental Protection

and

Massachusetts Division of Marine Fisheries

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2006 Annual Report

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 2006. 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 2006, approximately 98,000 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 current rate of funding. Consistent with the 1998 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, 2005). 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 alewife were caught in Area 1 (north of the contaminated area) because they migrate through the site. For lobster, blue crabs, black sea bass, American eel, alewife, 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. 2006 Field Collection

The Sampling Report for all species collected in 2006 is in Appendix C attached. The DMF field sampling program included the collection of lobster using pots during March and April of 2006 (see Figures 2) and blue crabs using pots during June and July of 2006 (Figure 3).

The collection of quahog was done during April to June of 2006 (Figure 4). Quahogs were collected using a rake.

Alewife were collected using nets in April and May of 2006 (Figure 5). Eel were collected using pots in June and August of 2006 (Figure 6). Black sea bass was harvested by rod and reel, and fish pots in June to August of 2006 (Figure 7). Winter flounder were collected using fish pots in April of 2006 (Figure 9). Scup were collected using rod and reel, fish pots in July of 2006 (Figure 9).

Despite considerable effort to collect species according to the monitoring program design, all species were not obtained in all three closure areas as originally planned. In summary, lobsters were found in Areas II and II and only found in Station E for Area I; eels were found in Area 1 and only Station C in Area II; black sea bass and scup were found just in Areas II and III; and flounder were found only in Station C of Area II.

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 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, 2005a). 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 were 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 E. 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 3 (MassDEP, 2005) 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 most noticeable in the quahog 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). Figures 10 through 16 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 and scup, the PCB results indicate that the Aroclor approach greatly under-estimates the true total PCB concentration. For the lobster (meat and tomalley), the congeners were detected but the Aroclors were not. For the black bass and scup, the congeners were detected but the Aroclors were detected in some of the samples (three of nine Aroclor samples detected for both the scup and bass).

For the blue crab data, the Aroclor and congener matched closely for three out of four sample locations. For the alewife data, the Aroclor and congener matched closely for both sample locations.

For the quahog data, there was good correlation between the Aroclor and congener-based approaches when the PCBs detected were higher concentrations, when the congener detection was low the Aroclor samples were non-detect (five out of ten samples in Areas II and III).

For the six eel locations, a species with extremely high PCB levels, the Aroclor data were higher than the congener data.

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 Area 1 species (except lobster meat). The highest PCB level reported for this data set was 220 ppm (Aroclor basis) in Area 1 eel (congener was 81 ppm, station 1-A, 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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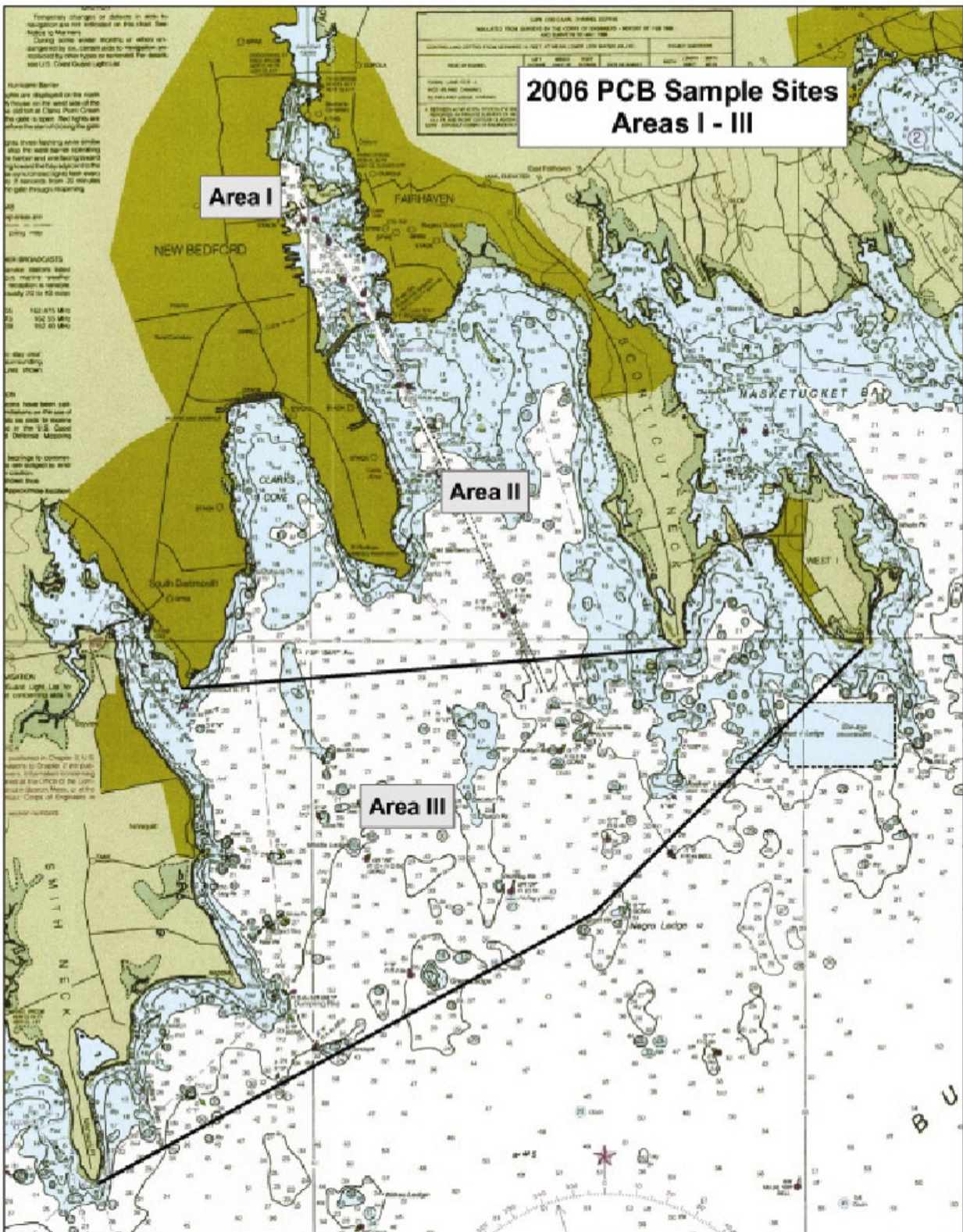
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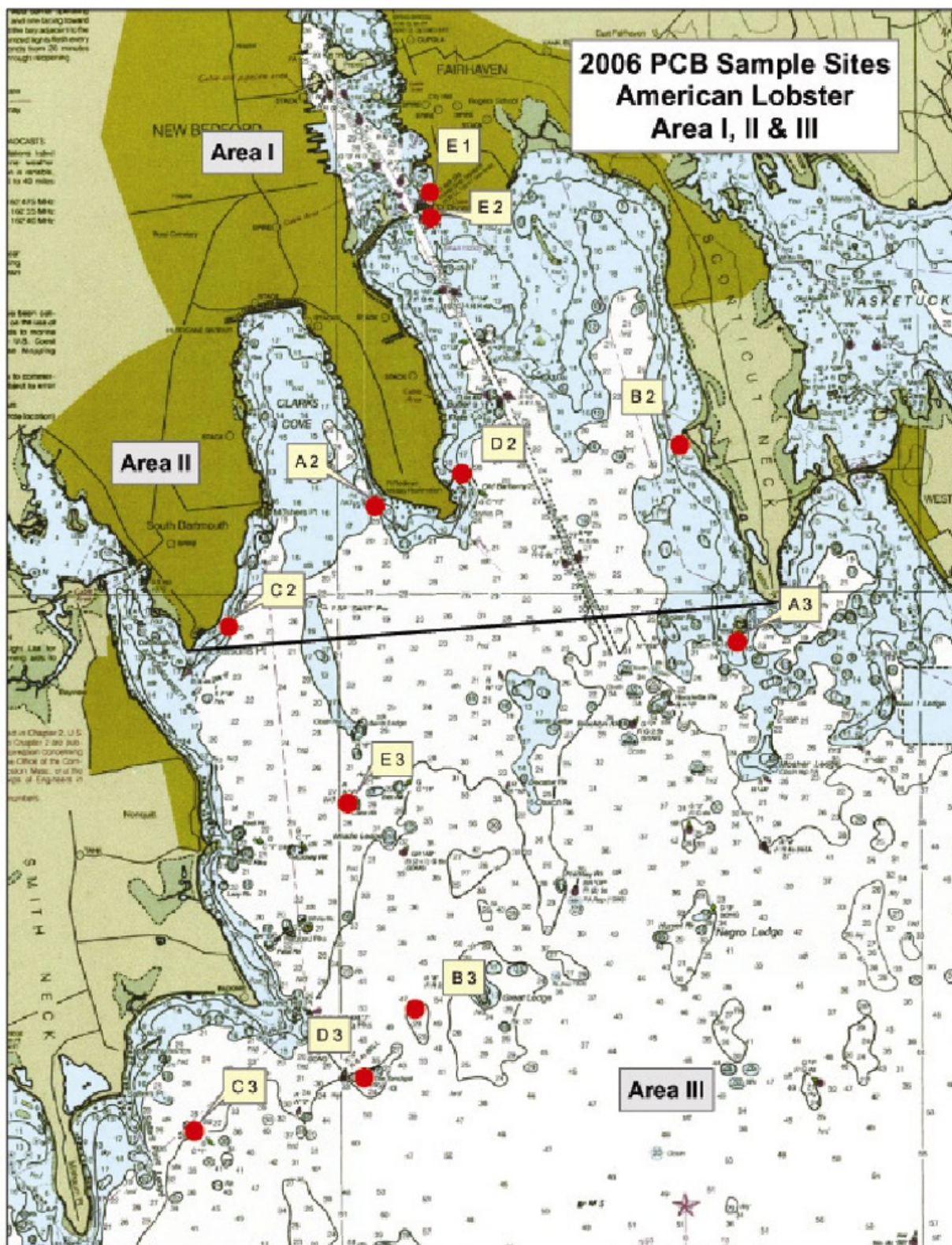


Figure 2 American Lobster Sample Locations -Area I, II, & III



Figure 3 Blue Crab Sample Locations - Area I

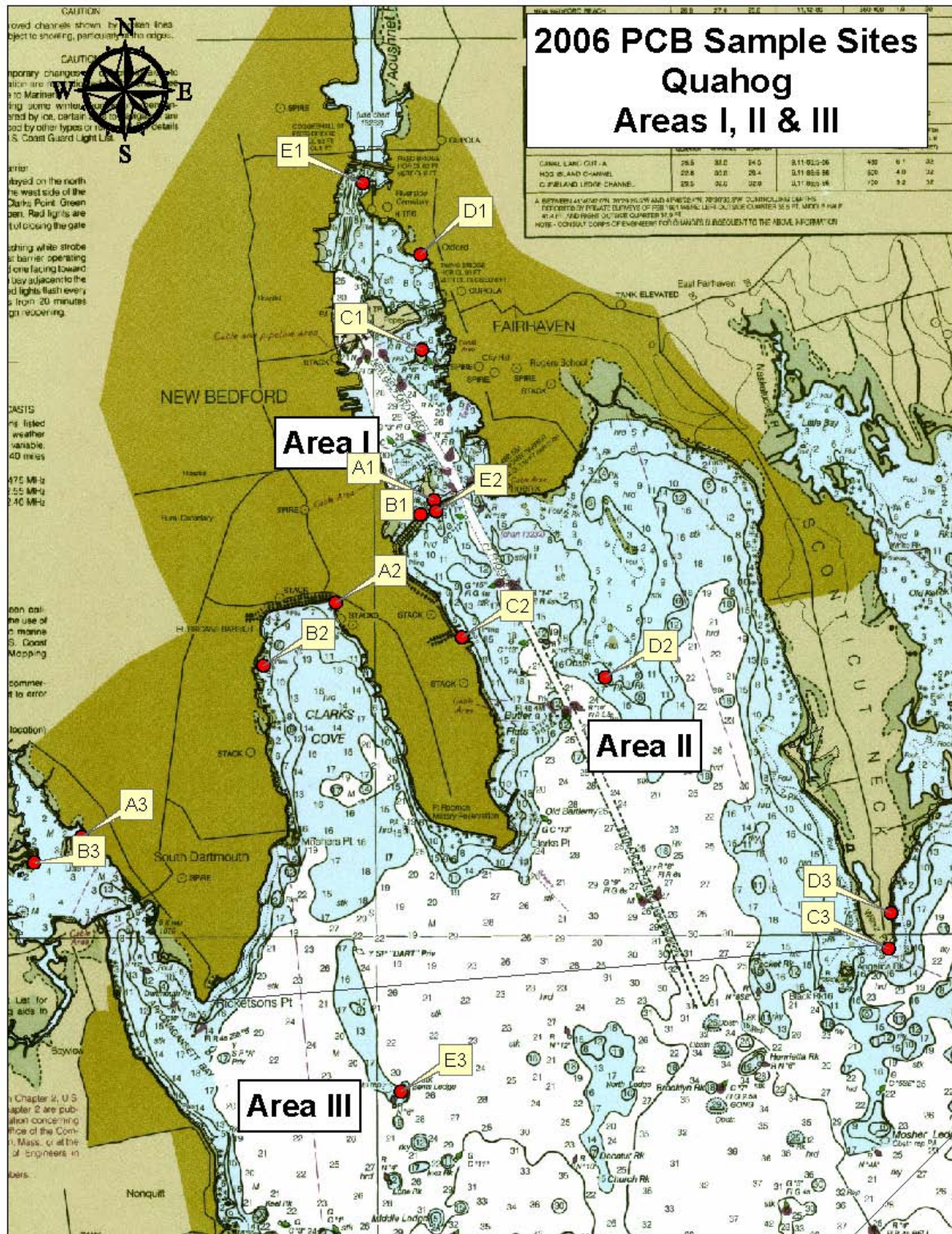


Figure 4 Quahog Sample Locations - Area I, II, & III

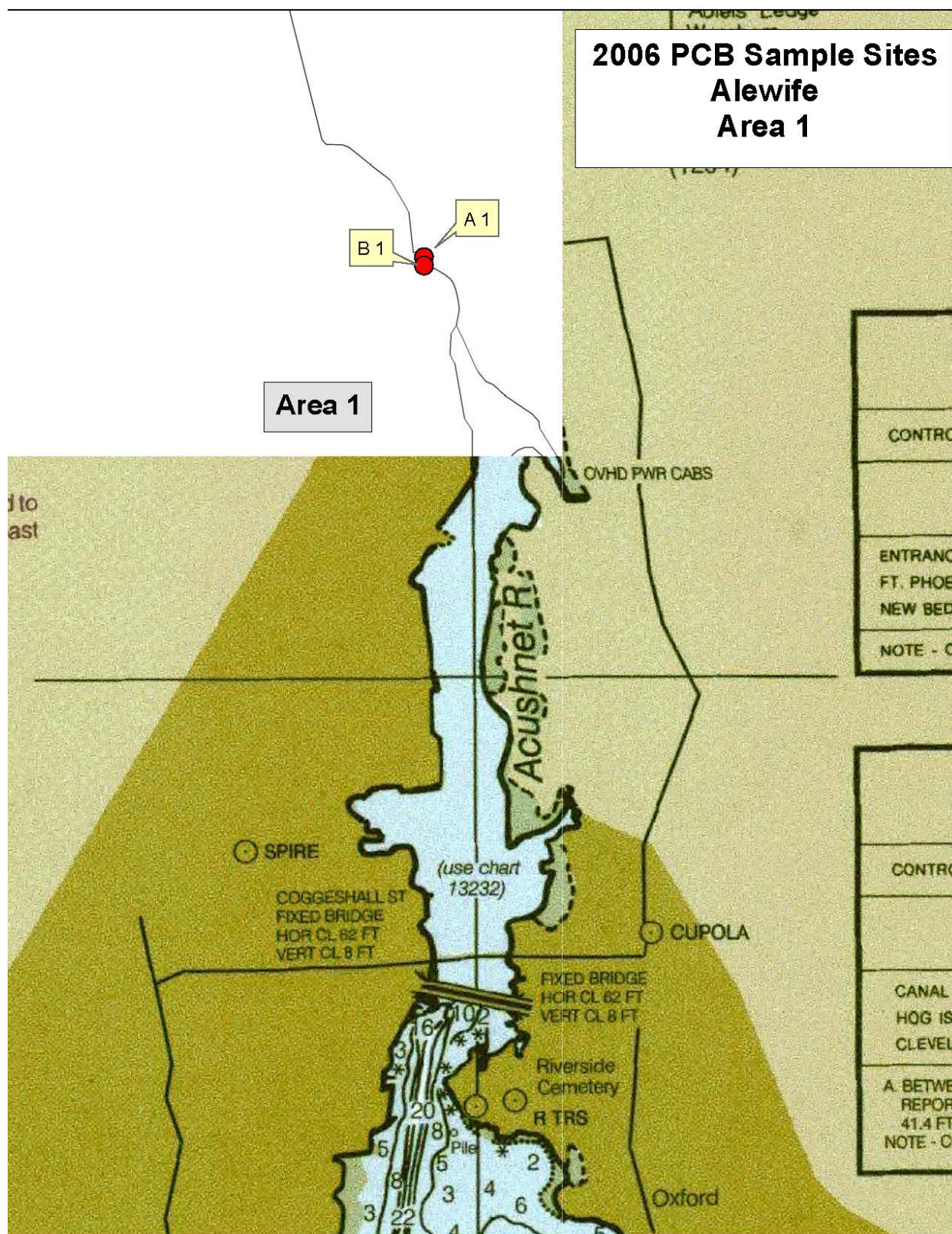


Figure 5 Alewife Sample Locations - Area I

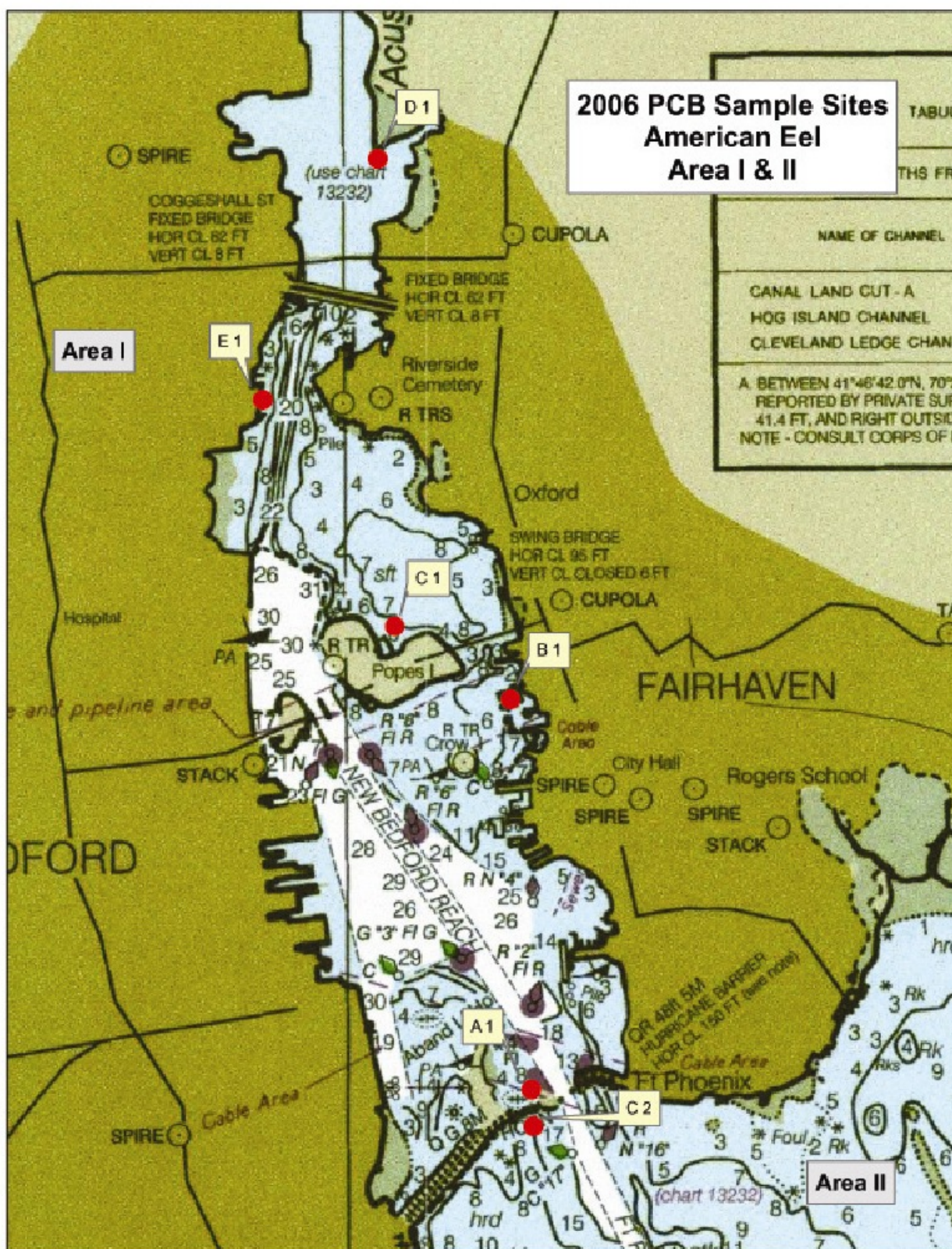


Figure 6 American Eel Sample Locations -Area I & II

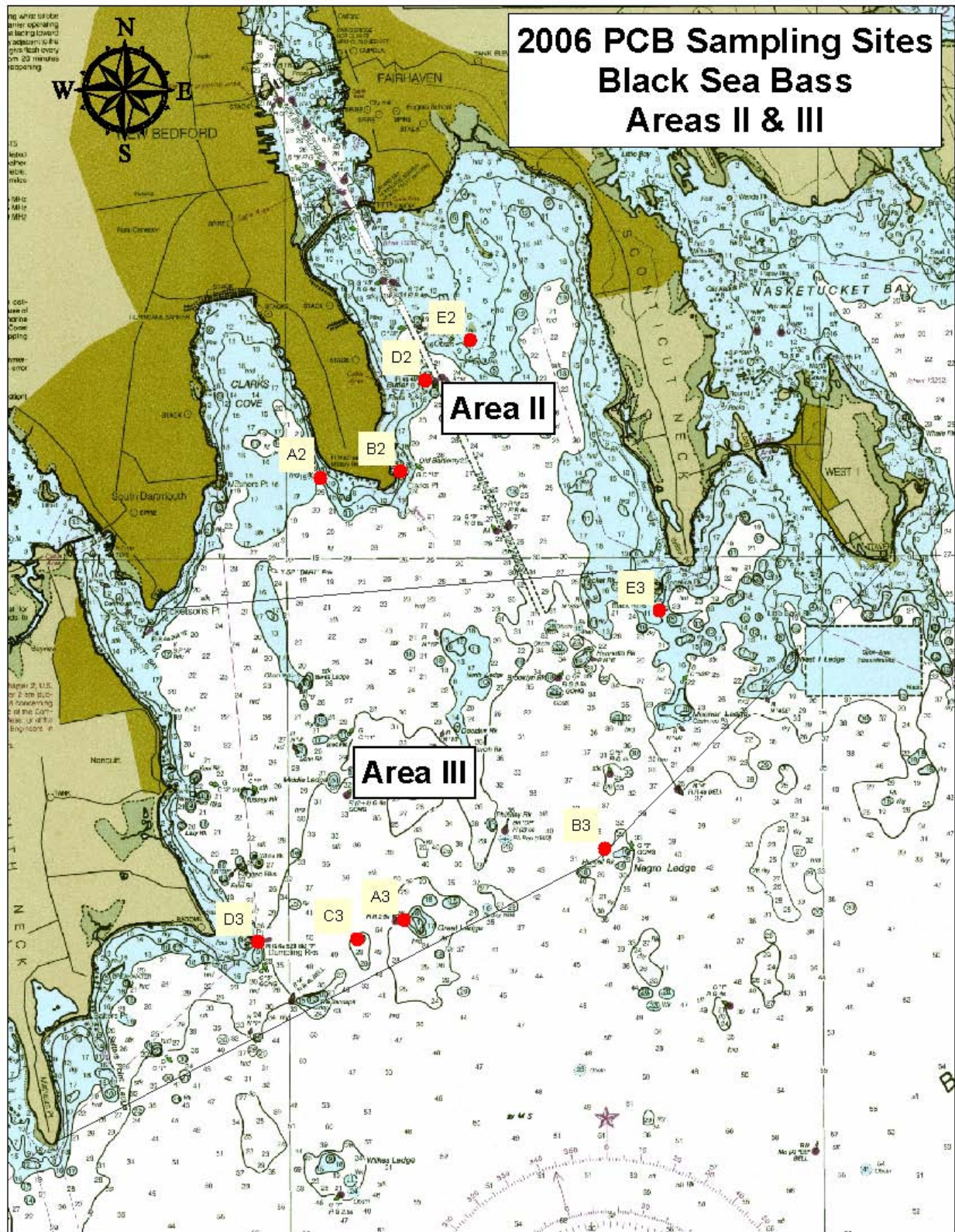


Figure 7 Sea Bass Sample Locations - Area II & III

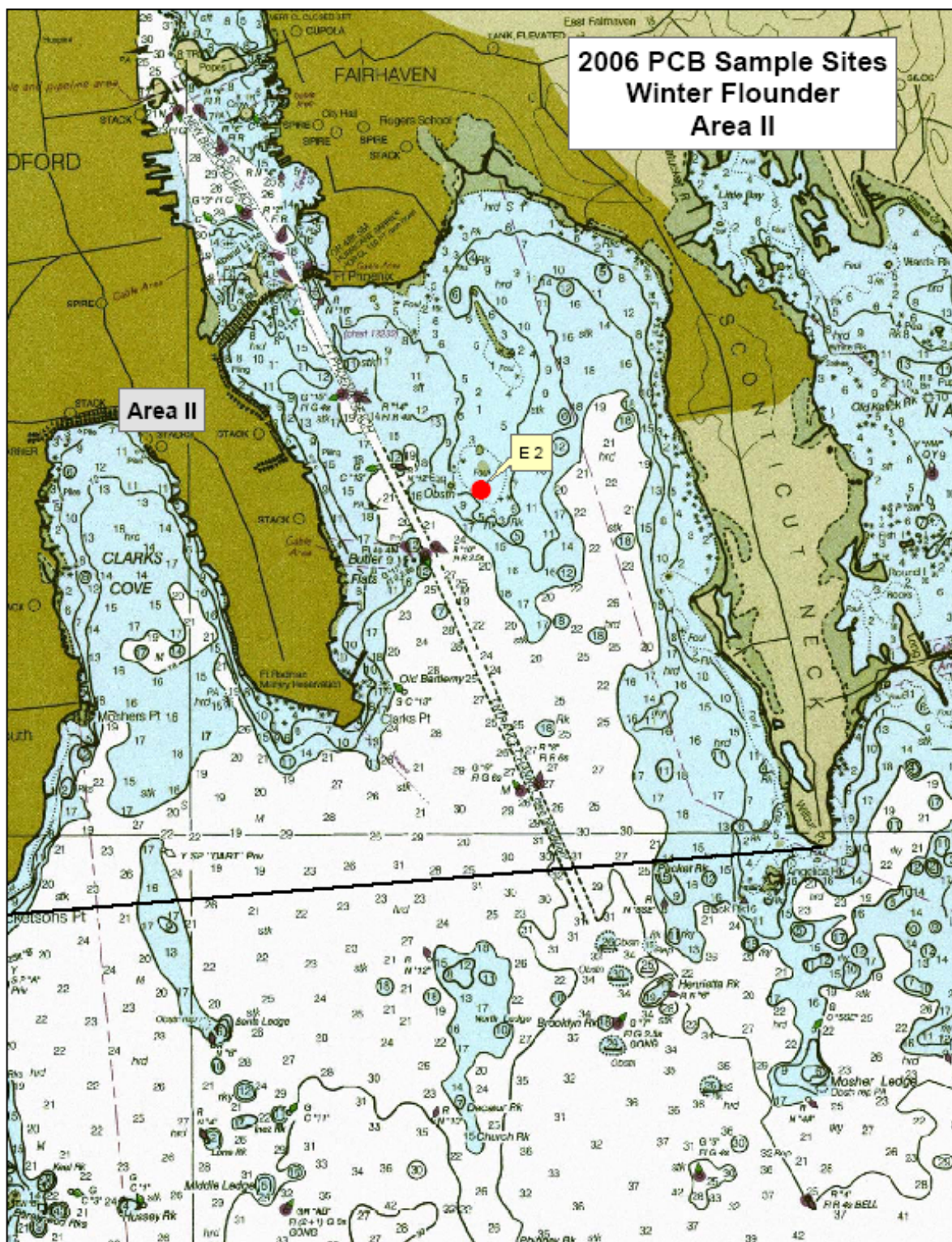


Figure 8 Winter Flounder Sample Locations - Area II & III

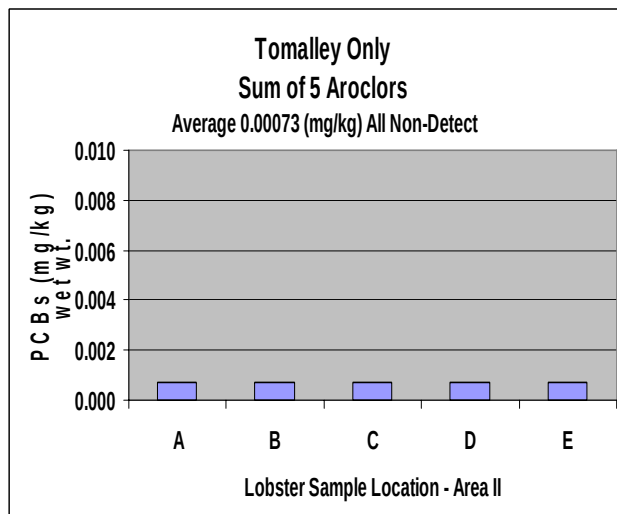
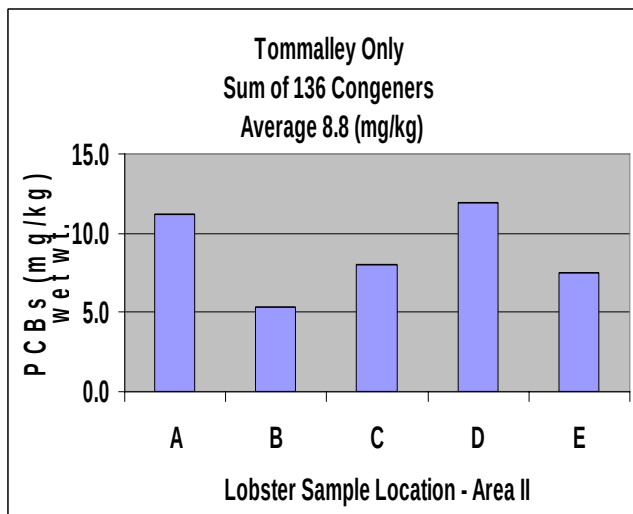
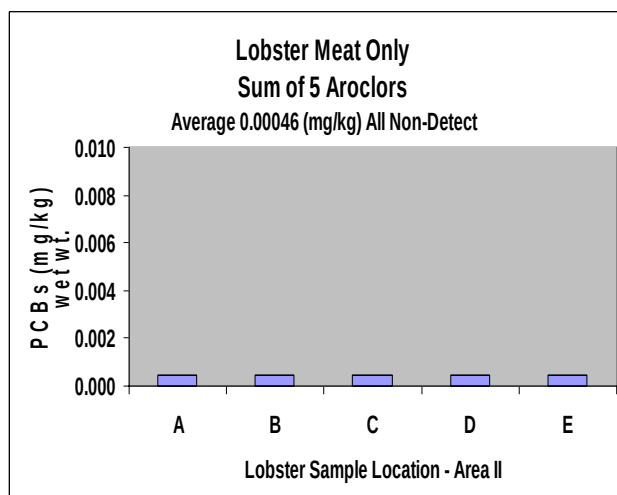
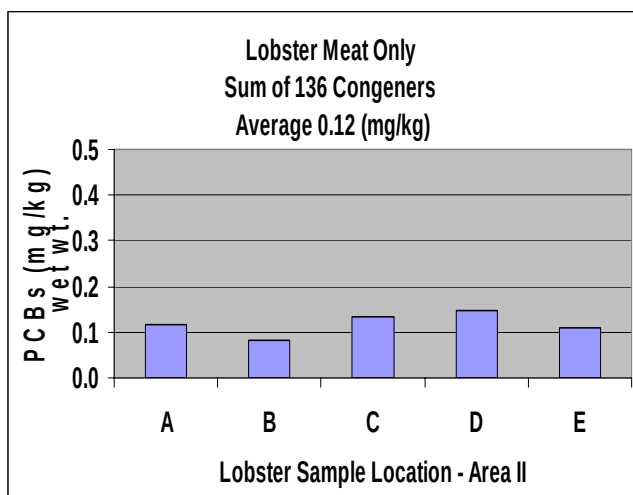
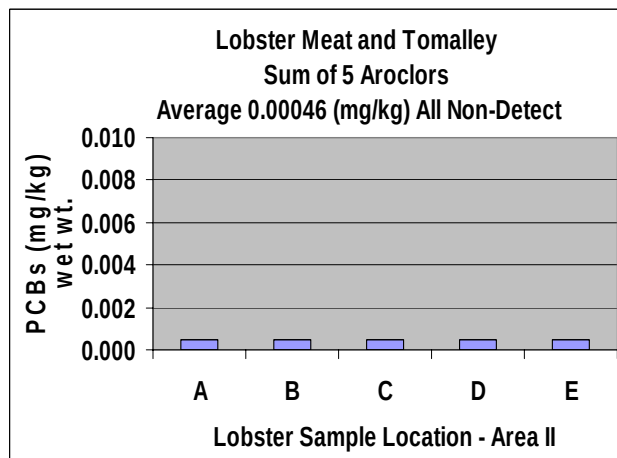
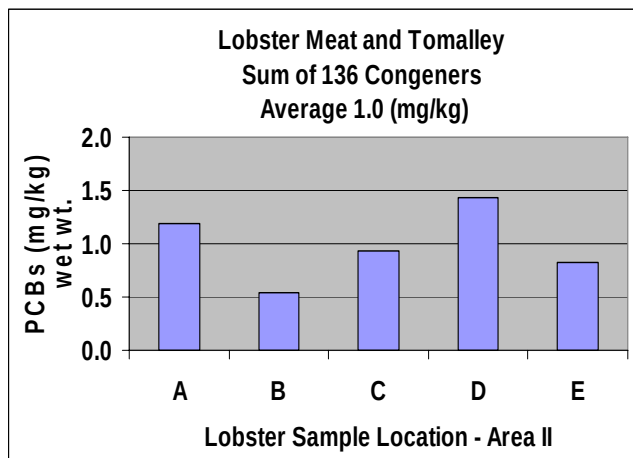


Figure 10 PCBs Concentrations in Lobster - Area II 2006

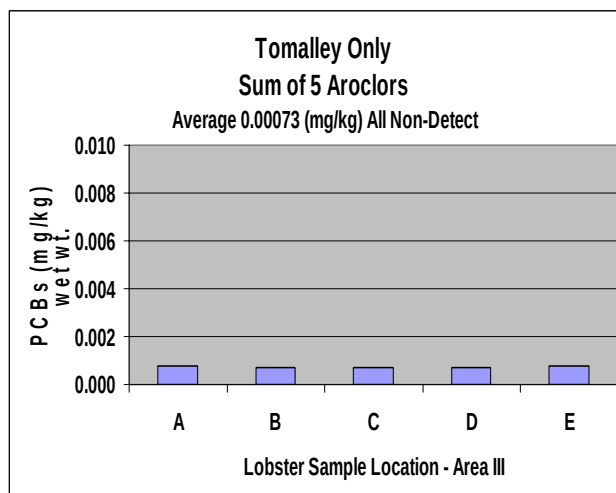
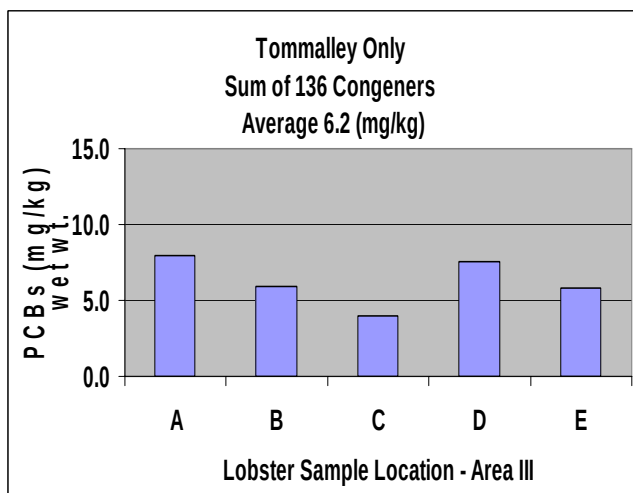
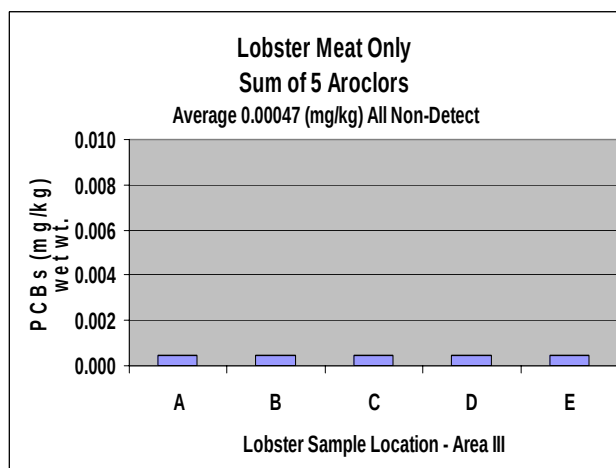
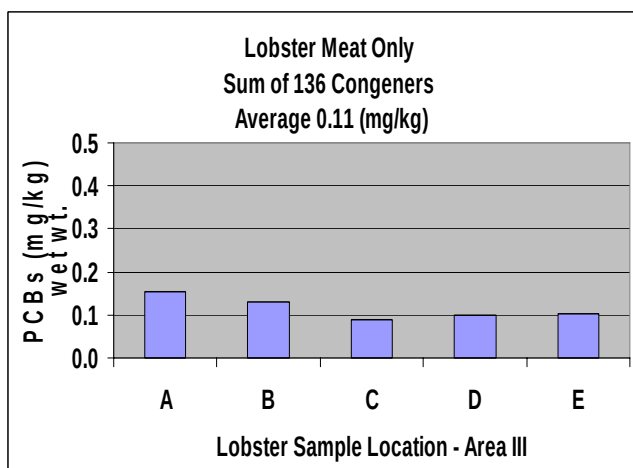
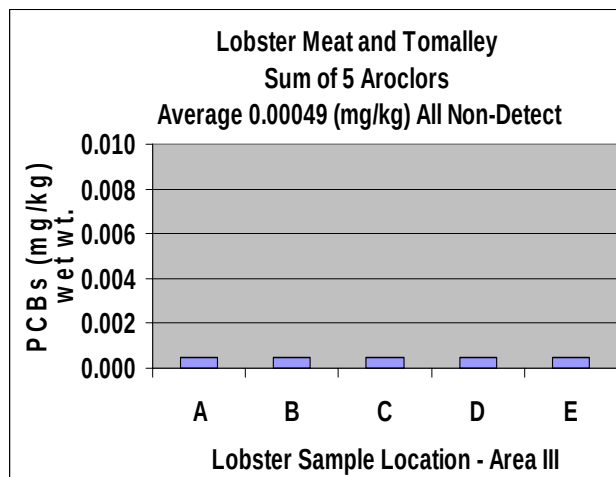
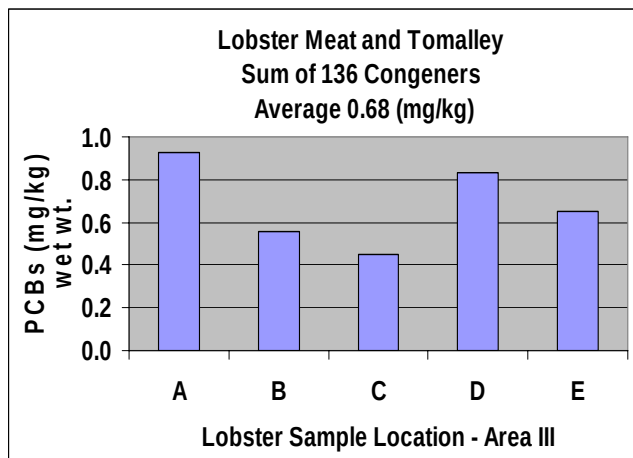


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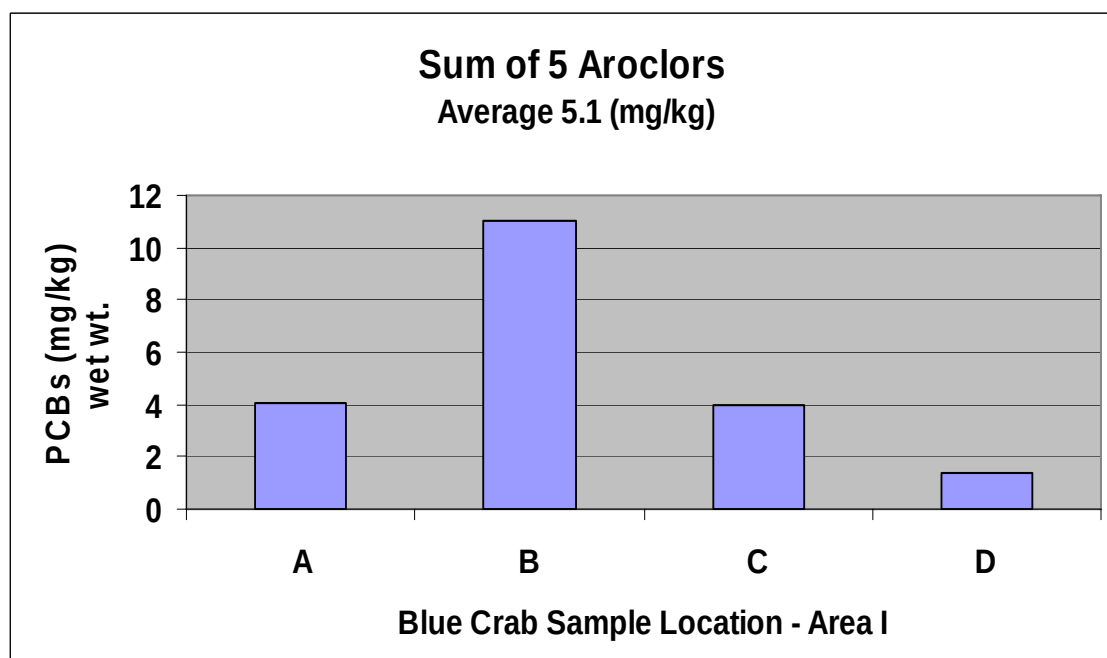
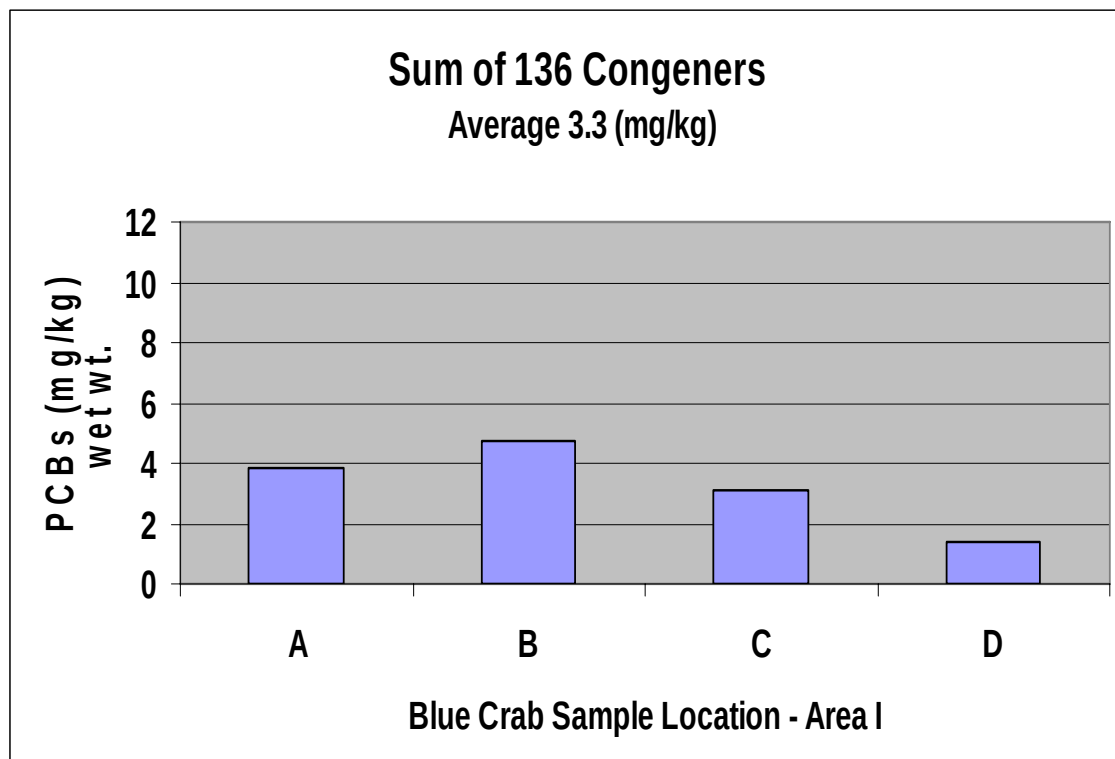


Figure 12 PCBs Concentrations in Blue Crab Area I 2006

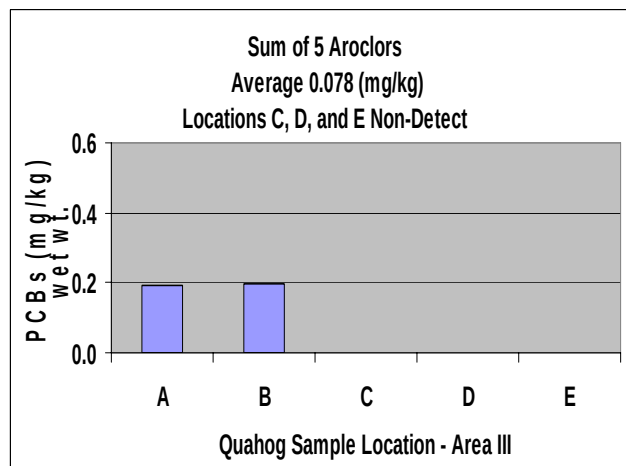
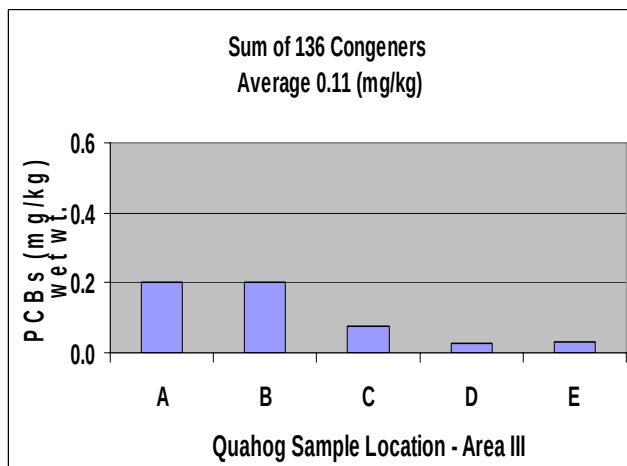
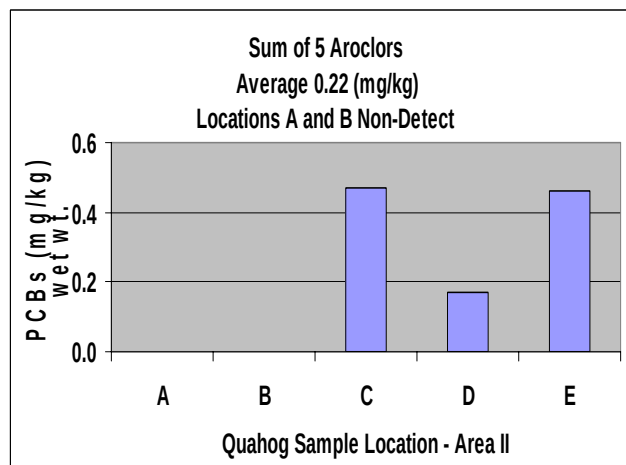
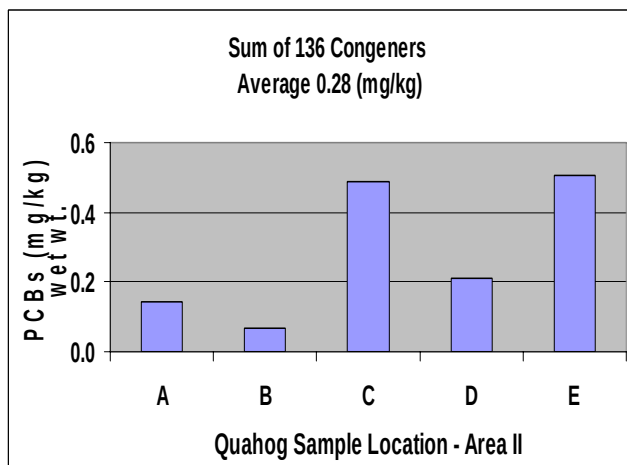
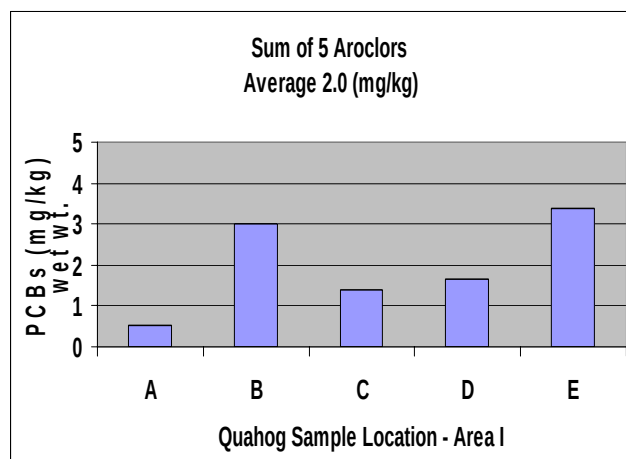
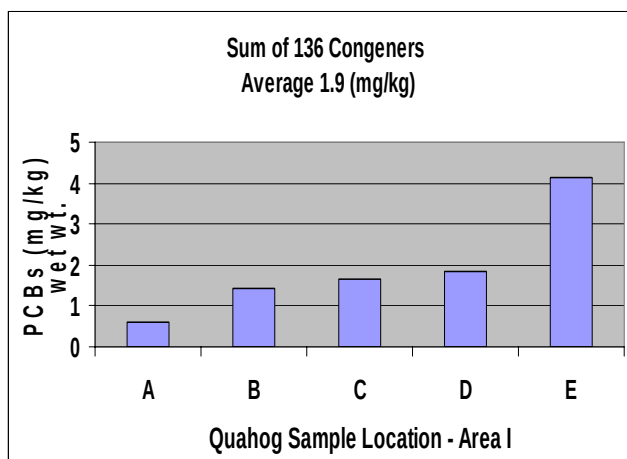


Figure 13 PCBs Concentrations in Quahog 2006

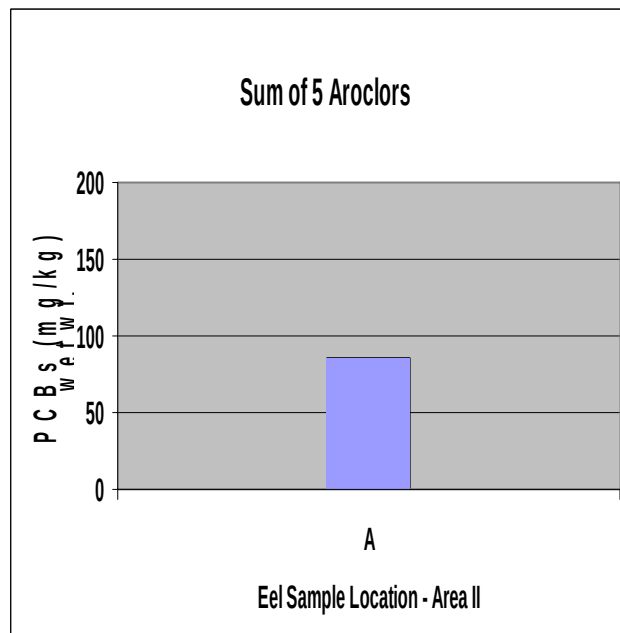
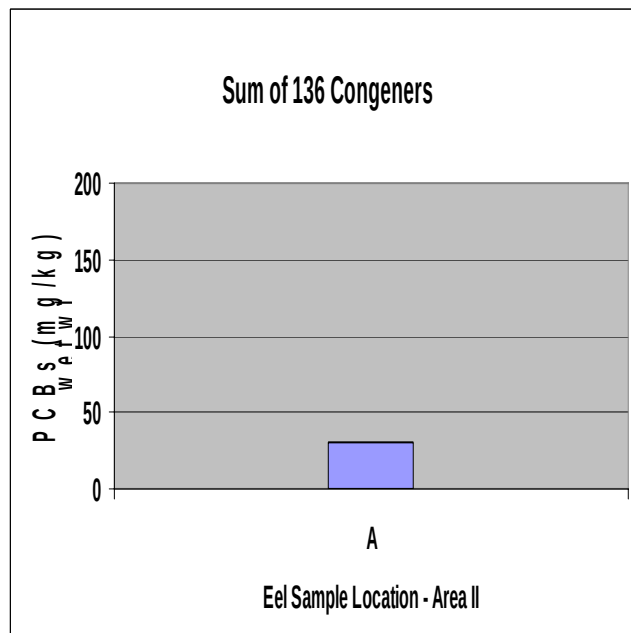
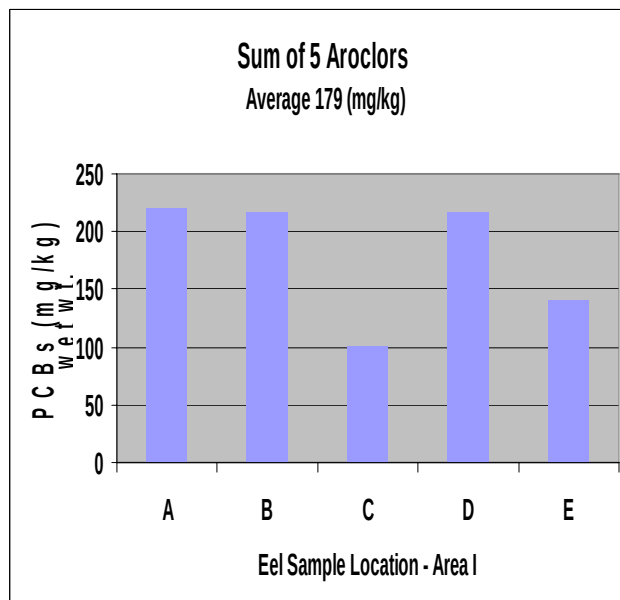
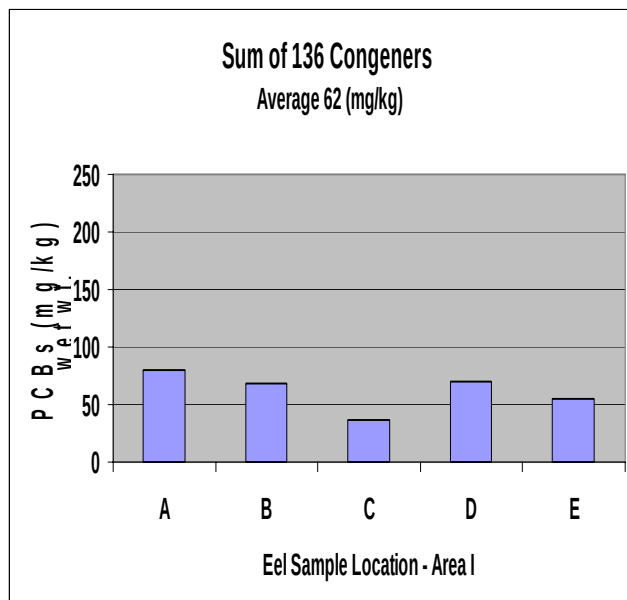


Figure 14 PCBs Concentrations in Eels 2006

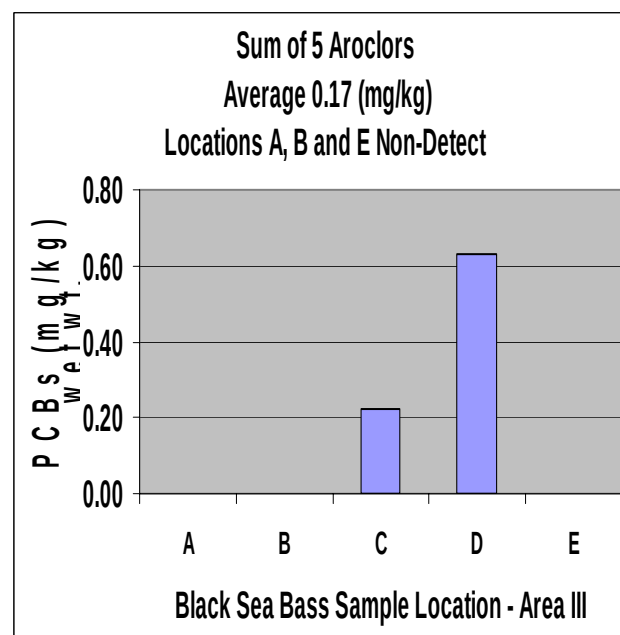
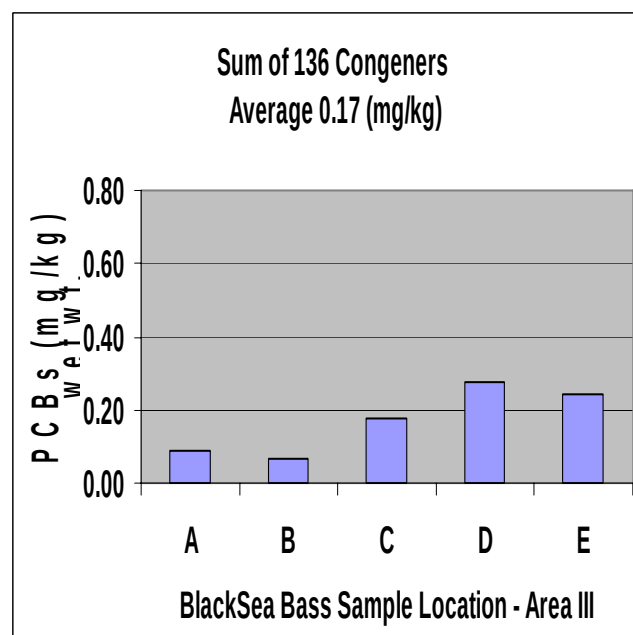
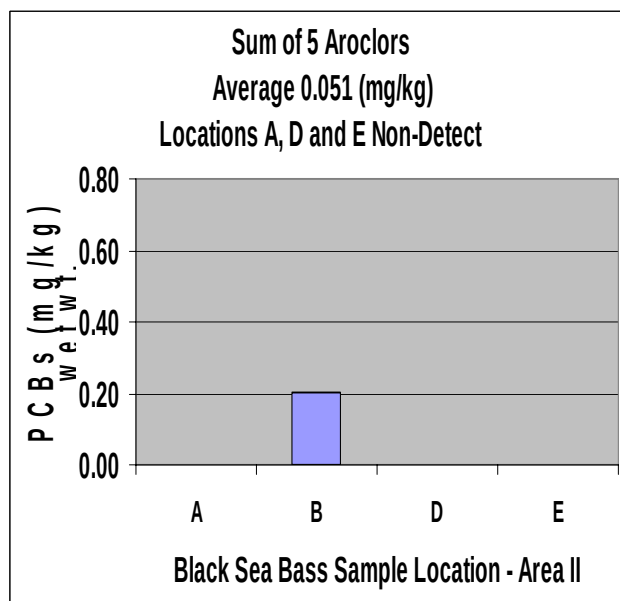
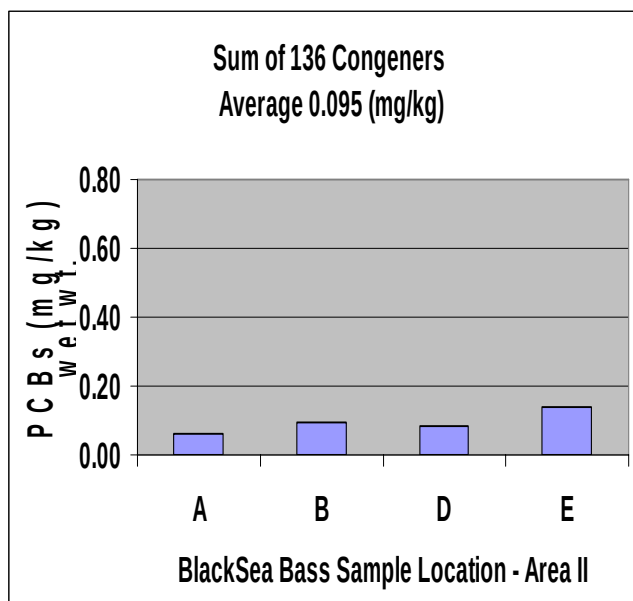


Figure 15 PCBs Concentrations in Black Sea Bass 2006

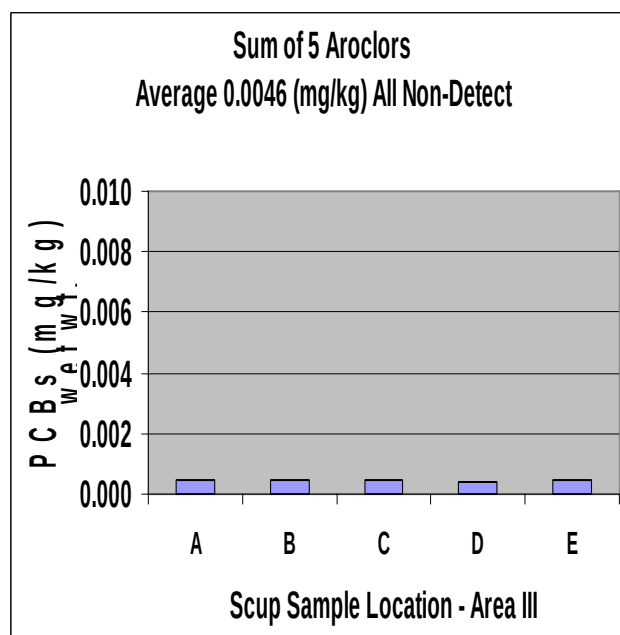
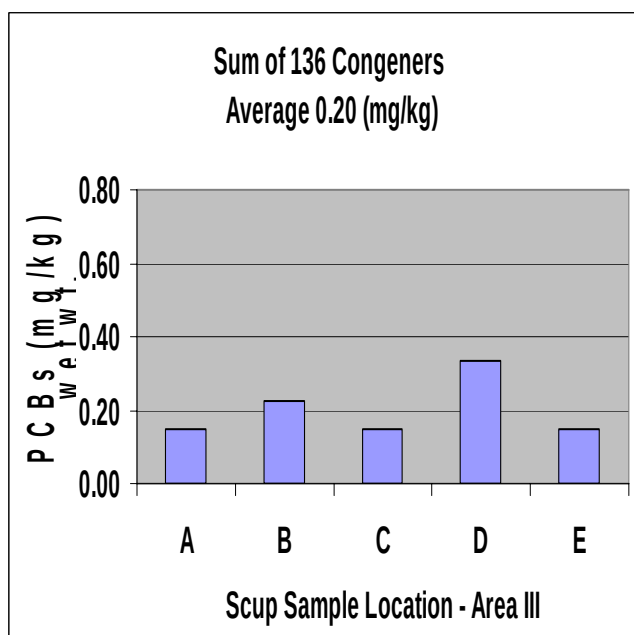
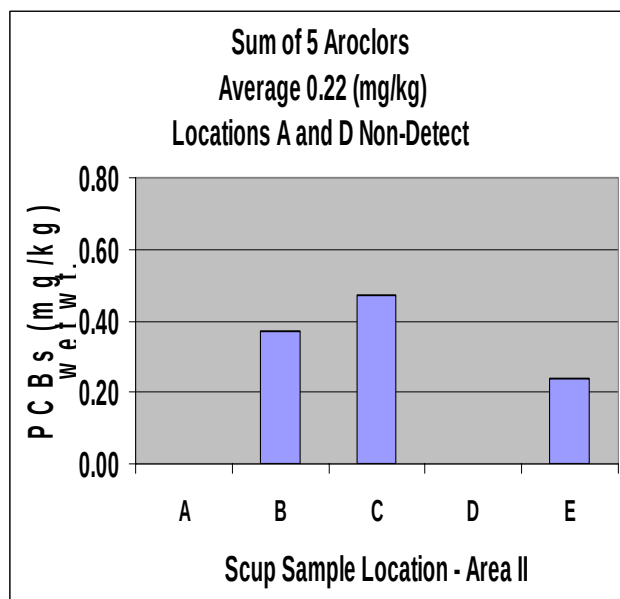
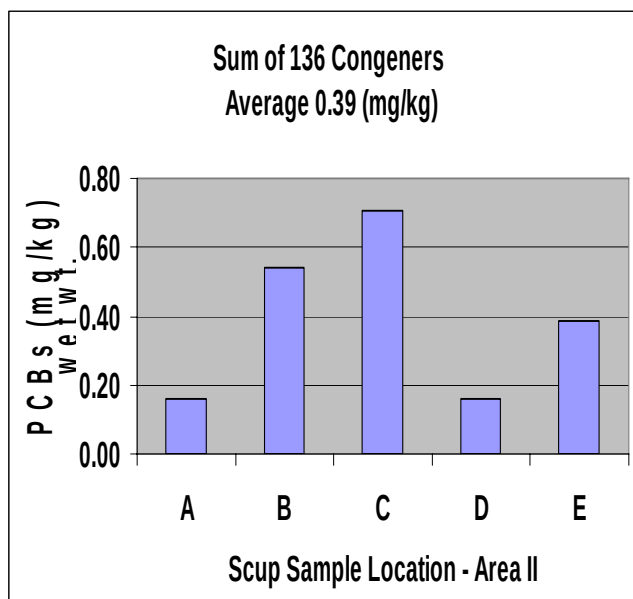


Figure 16 PCBs Concentrations in Scup 2006

TABLES

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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 sample quantitation limit [SQL] used for non-detected results)

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

⁵ = summation of 18 NOAA & 12 WHO PCB congener results (1/2 sample quantitation limit [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 represents 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) 2006

	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	306.23	0.55		0.097	J2	0.079		0.056	J3	0.023	J3	0.059	J3	0.00046	U
II	A	477.16	0.60		0.11	J2	0.10		0.067	J3	0.027	J3	0.070	J3	0.00046	U
II	B	440.33	0.72		0.082	J2	0.067		0.045	J3	0.017	J3	0.047	J3	0.00045	U
II	C	391.65	0.65		0.13	J2	0.12		0.081	J4	0.034	J3	0.085	J3	0.00047	U
II	D	407.33	0.52		0.15	J2	0.13		0.092	J4	0.038	J3	0.096	J3	0.00046	U
II	E	390.01	0.64		0.11	J2	0.095		0.064	J3	0.025	J3	0.067	J3	0.00048	U
Average Area II			0.63		0.12	J2	0.10		0.070		0.028	J3	0.073	J3	0.00046	U
III	A	332.75	0.35		0.15	J3	0.14		0.098	J4	0.041	J3	0.10	J3	0.00046	U
III	B	403.05	0.46		0.13	J2	0.11		0.084	J3	0.033	J3	0.088	J3	0.00048	U
III	C	437.91	0.52		0.090	J2	0.074		0.052	J3	0.020	J3	0.055	J3	0.00046	U
III	D	502.91	0.55		0.098	J2	0.084		0.055	J3	0.021	J3	0.058	J3	0.00046	U
III	E	341.95	0.41		0.10	J2	0.089		0.059	J4	0.023	J3	0.062	J3	0.00047	U
Average Area III			0.46		0.11		0.10		0.069		0.028	J3	0.073	J3	0.00047	U
Tomalley																
I	E	31.08	17		14	J4	14		9.4	J4	3.5	J4	9.8	J4	0.00083	U
II	A	51.23	18		11	J4	11		7.6	J4	2.7	J4	7.9	J4	0.00072	U
II	B	42.33	17		5.3	J4	5.3		3.6	J4	1.2	J4	3.7	J4	0.00074	U
II	C	44.42	12		8.0	J4	8.0		5.6	J4	2.0	J4	5.8	J4	0.00072	U
II	D	49.70	14		12	J4	12		8.5	J4	3.1	J4	8.8	J4	0.00072	U
II	E	41.19	14		7.5	J4	7.5		5.1	J4	1.8	J4	5.3	J4	0.00073	U
Average Area II			15		8.8	J4	8.8		6.1	J4	2.2	J4	6.3	J4	0.00073	U
III	A	36.61	8.8		8.0	J4	8.0		5.7	J4	2.2	J4	6.0	J4	0.00077	U
III	B	32.35	8.1		5.9	J4	5.9		4.3	J4	1.4	J4	4.4	J4	0.00071	U
III	C	44.68	11		3.9	J4	3.9		2.7	J4	0.91	J4	2.8	J4	0.00073	U
III	D	54.80	18		7.6	J4	7.5		5.1	J4	1.6	J4	5.3	J4	0.00071	U
III	E	36.26	8.6		5.8	J4	5.8		3.8	J4	1.3	J4	3.9	J4	0.00078	U
Average Area III			10.9		6.2	J4	6.2		4.3	J4	1.5	J4	4.5	J4	0.00074	U

Table 2 Calculated PCB Concentration of Combined Lobster Meat and Tomalley 2006

[illegible]

Table 3 Summary of Sample Data for Blue Crab 2006

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 I														
Station														
A	0.45		3.8	J4	3.8		2.0	J4	0.39	J4	2.0	J4	4.1	J4
B	0.72		4.7	J4	4.7		2.6	J4	0.70	J4	2.7	J4	11	J4
C	0.88		3.1	J4	3.1		1.8	J4	0.45	J4	1.8	J4	4.0	J4
D	0.59		1.4	J4	1.4		0.78	J4	0.15	J4	0.80	J4	1.4	J4
Average	0.66		3.3	J4	3.3		1.8	J4	0.42	J4	1.8	J4	5.1	J4

Table 4 Summary of Sample Data for Quahog 2006

	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	A	0.36		0.61	J3	0.60		0.25	J4	0.03	J3	0.26	J4	0.52	J4
I	B	0.61		1.4	J4	1.4		0.6	J4	0.1	J4	0.6	J4	3.0	J4
I	C	0.46		1.6	J4	1.6		0.7	J4	0.1	J4	0.7	J4	1.4	J4
I	D	0.40		1.8	J4	1.8		0.8	J4	0.1	J4	0.8	J4	1.6	J4
I	E	0.50		4.1	J4	4.1		1.7	J4	0.2	J4	1.7	J4	3.4	J4
	Average	0.47		1.9		1.9		0.81	J4	0.09		0.82	J4	2.0	J4
II	A	0.32		0.14	J3	0.13		0.058	J3	0.0091	J2	0.060	J3	0.00044	U
II	B	0.20		0.069	J2	0.056		0.027	J3	0.0061	J2	0.029	J3	0.00044	U
II	C	0.44		0.49	J3	0.48		0.21	J4	0.028	J3	0.21	J4	0.47	J4
II	D	0.28		0.21	J3	0.20		0.089	J4	0.013	J2	0.091	J3	0.17	J4
II	E	0.32		0.51	J3	0.50		0.21	J4	0.024	J3	0.22	J4	0.46	J4
	Average	0.31		0.28		0.27		0.12		0.016		0.12		0.22	
III	A	0.32		0.20	J3	0.19		0.084	J3	0.012	J2	0.086	J3	0.19	J4
III	B	0.36		0.20	J3	0.19		0.084	J4	0.013	J3	0.086	J3	0.20	J4
III	C	0.34		0.077	J2	0.064		0.030	J3	0.0050	J2	0.032	J3	0.00045	U
III	D	0.29		0.027	J1	0.0020		0.0042	J1	0.0027	J1	0.0062	J1	0.00043	U
III	E	0.41		0.031	J1	0.00095		0.0048	J1	0.003	U	0.0068	J1	0.00046	U
	Average	0.34		0.11		0.090		0.041		0.0070		0.043		0.078	

Table 5 Summary of Sample Data for Eel 2006

	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	A	15		81	J4	81		37	J4	6.8	J4	37	J4	220	J4
I	B	9.2		69	J4	69		33	J4	6.9	J4	34	J4	216	J4
I	C	19		37	J4	37		19	J4	4.1	J4	19	J4	100	J4
I	D	8.7		70	J4	70		33	J4	6.7	J4	34	J4	217	J4
I	E	17		55	J4	55		27	J4	5.5	J4	28	J4	140	J4
	Average	14		62	J4	62		30	J4	6.0	J4	30	J4	179	J4
II	C	16		31	J4	31		16	J4	4.0	J4	17	J4	85	J4

Table 8 Summary of Sample Data for Fish 2006

	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	
Area	Station/Units	PERCENT		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
Alewife															
1	A	3.1		11	J4	11		4.9	J4	0.18	J4	5.0	J4	10	J4
1	B	4.4		7.8	J4	7.8		3.4	J4	0.14	J4	3.4	J4	6.5	J4
	Average	3.8		9.5	J4	9.5		4.1	J4	0.16	J4	4.2	J4	8.4	J4
Black Sea Bass															
2	A	0.65		0.062	J2	0.047		0.029	J3	0.008	J2	0.031	J3	0.00047	U
2	B	1.1		0.093	J2	0.081		0.050	J3	0.011	J3	0.052	J3	0.20	J4
2	D	0.62		0.082	J2	0.066		0.045	J3	0.012	J2	0.047	J3	0.00047	U
2	E	2.0		0.14	J3	0.13		0.080	J4	0.020	J3	0.083	J3	0.00048	U
	Average	1.1		0.095		0.081		0.051		0.013		0.054	J3	0.051	
3	A	0.29		0.089	J2	0.075		0.047	J3	0.011	J2	0.050	J3	0.00046	U
3	B	1.8		0.069	J2	0.058		0.035	J4	0.0091	J2	0.037	J3	0.00045	U
3	C	0.68		0.18	J3	0.17		0.085	J4	0.018	J3	0.087	J3	0.22	J4
3	D	0.98		0.27	J3	0.27		0.16	J4	0.042	J3	0.16	J4	0.63	J4
3	E	0.7		0.24	J3	0.23		0.15	J4	0.041	J3	0.16	J4	0.00048	U
	Average	0.89		0.17		0.16		0.10		0.024		0.10		0.17	
Scup															
2	A	0.9		0.16	J3	0.15		0.086	J4	0.021	J3	0.089	J3	0.00047	U
2	B	1.1		0.54	J3	0.53		0.29	J4	0.070	J3	0.30	J4	0.37	J4
2	C	0.94		0.71	J4	0.70		0.39	J4	0.097	J4	0.40	J4	0.47	J4
2	D	0.99		0.16	J3	0.15		0.087	J4	0.023	J3	0.090	J3	0.00047	U
2	E	3.9		0.38	J3	0.38		0.22	J4	0.059	J3	0.22	J4	0.24	J4
	Average	1.6		0.39		0.38		0.21		0.054		0.22		0.22	
3	A	2.0		0.15	J3	0.14		0.085	J4	0.021	J3	0.088	J3	0.00048	U
3	B	1.9		0.22	J3	0.22		0.13	J4	0.031	J3	0.13	J3	0.00047	U
3	C	1.2		0.15	J3	0.14		0.085	J4	0.021	J3	0.088	J3	0.00046	U
3	D	3.1		0.33	J3	0.33		0.20	J4	0.048	J3	0.20	J4	0.00043	U
3	E	1.4		0.15	J3	0.14		0.082	J4	0.020	J3	0.085	J3	0.00047	U
	Average	1.9		0.20	J3	0.19		0.12	J4	0.028	J3	0.12		0.00046	
Winter Flounder															
2	C	0.88		0.055	J2	0.042		0.025	J3	0.0078	J2	0.027	J3	0.00045	U

Appendices

Appendix A Laboratory Data

Appendix B Data Validation Summary, MassDEP, NBH Seafood Contaminant Survey
Monitoring 2007 Sampling

Appendix C Seafood Monitoring - Field Sampling Activities for the NBH Superfund Site 2007
Annual Report

Appendix D Seafood Samples - Weights and Lengths

Appendix A Laboratory Data

Tables 1 A	Sample Data for Lobster Meat – Areas I and II
Tables 1 B	Sample Data for Lobster Tomalley – Areas I and II
Tables 1 C	Sample Data for Lobster Meat – Area III
Tables 1 D	Sample Data for Lobster Tomalley – Area III
Table 2	Sample Data for Blue Crab - Area I
Tables 3 A	Sample Data for Quahog - Area I
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Table 4	Sample Data for Eel
Table 5	Sample Data for Alewife and Flounder
Table 6 A	Sample Data for Black Sea Bass – Area II
Table 6 B	Sample Data for Black Sea Bass – Area III
Table 7 A	Sample Data for Scup - Area II
Table 7 B	Sample Data for Scup - Areas III

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 sample quantitation limit [SQL] used for non-detected results)

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

⁵ = summation of 18 NOAA & 12 WHO PCB congener results (1/2 sample quantitation limit [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 represents 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 2006

	Sample#	NBH06-L-E-1	NBH06-L-A-2	NBH06-L-B-2	NBH06-L-C-2	NBH06-L-D-2	NBH06-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)	5.48	5.48	5.52	5.36	5.43	5.2
Parameter	Units						
Lipids	PERCENT	0.55	0.60	0.72	0.65	0.52	0.64
Total PCB Congeners ¹	MG/KG	0.097 J2	0.11 J2	0.082 J2	0.13 J2	0.15 J2	0.11 J2
Total PCB Congeners Hits ²	MG/KG	0.079	0.10	0.067	0.12	0.13	0.095
Total NOAA Congeners ³	MG/KG	0.056 J3	0.067 J3	0.045 J3	0.081 J4	0.092 J4	0.064 J3
Total WHO Congeners ⁴	MG/KG	0.023 J3	0.027 J3	0.017 J3	0.034 J3	0.038 J3	0.025 J3
Total NOAA / WHO Combined ⁵	MG/KG	0.059 J3	0.070 J3	0.047 J3	0.085 J3	0.096 J3	0.067 J3
Total Aroclors ⁶	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl1-BZ#1	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl1-BZ#3	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl2-BZ#4/#10	MG/KG	0.00091 U	0.00091 U	0.00091 U	0.00093 U	0.00092 U	0.00096 U
Cl2-BZ#5/#8	MG/KG	0.00091 U	0.00016 J	0.00091 U	0.0002 J	0.00016 J	0.00096 U
Cl2-BZ#6	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl2-BZ#7	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl2-BZ#12/#13	MG/KG	0.00091 U	0.00091 U	0.00091 U	0.00093 U	0.00092 U	0.00096 U
Cl2-BZ#15	MG/KG	0.00009 J	0.00015 J	0.00033 J	0.00014 J	0.00019 J	0.00011 J
Cl3-BZ#16/#32	MG/KG	0.00026 J	0.00039 J	0.00063 J	0.00048 J	0.0005 J	0.00047 J
Cl3-BZ#17	MG/KG	0.00016 J	0.00013 J	0.0002 J	0.0001 J	0.00009 J	0.0002 J
Cl3-BZ#18	MG/KG	0.00023 J	0.00016 J	0.00017 J	0.00013 J	0.00017 J	0.00022 J
Cl3-BZ#19	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl3-BZ#21/#33	MG/KG	0.00091 U	0.00091 U	0.00013 J	0.00017 J	0.00092 U	0.0001 J
Cl3-BZ#22	MG/KG	0.00012 J	0.00022 J	0.00025 J	0.00047 U	0.00046 U	0.00013 J
Cl3-BZ#24/#27	MG/KG	0.00091 U	0.00091 U	0.00091 U	0.00093 U	0.00092 U	0.00096 U
Cl3-BZ#25	MG/KG	0.00046 U	0.00046 U	0.0001 J	0.00013 J	0.00046 U	0.00021 J
Cl3-BZ#26	MG/KG	0.00025 J	0.00035 J	0.00038 J	0.00039 J	0.00039 J	0.00044 J
Cl3-BZ#28/#31	MG/KG	0.0032	0.004	0.005	0.0044	0.0045	0.0032
Cl3-BZ#29	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl3-BZ#37	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#40	MG/KG	0.00013 J	0.00046 U	0.0001 J	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#41/#71	MG/KG	0.00038 J	0.00055 J	0.00043 J	0.0004 J	0.00056 J	0.00068 J
Cl4-BZ#42	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00014 J
Cl4-BZ#43/#49	MG/KG	0.00026 J	0.00036 J	0.00034 J	0.00026 J	0.00038 J	0.0007 J
Cl4-BZ#44	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00018 J
Cl4-BZ#45	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#46	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#47/#48	MG/KG	0.0018	0.0025	0.002	0.003	0.0024	0.0019
Cl4-BZ#50	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#51	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#52	MG/KG	0.00053	0.00087	0.00077	0.00084	0.0012	0.00075
Cl4-BZ#53	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#54	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#56/#60	MG/KG	0.00041 J	0.0005 J	0.00034 J	0.00048 J	0.00056 J	0.00042 J
Cl4-BZ#63	MG/KG	0.00021 J	0.00023 J	0.00022 J	0.0003 J	0.00031 J	0.00017 J
Cl4-BZ#64	MG/KG	0.00024 J	0.00043 J	0.00054	0.00049	0.00053	0.00049
Cl4-BZ#66	MG/KG	0.0028	0.0035	0.0027	0.0051	0.004	0.0028
Cl4-BZ#70	MG/KG	0.00046 U	0.00048	0.00039 J	0.00035 J	0.00057	0.00047 J
Cl4-BZ#74	MG/KG	0.0026	0.0025	0.0023	0.0034	0.0034	0.0021
Cl4-BZ#76	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl4-BZ#77	MG/KG	0.00046 UJ	0.00046 UJ	0.00045 UJ	0.00047 UJ	0.00046 UJ	0.00048 UJ
Cl4-BZ#81	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl5-BZ#82	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl5-BZ#83	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl5-BZ#85	MG/KG	0.00084	0.0012	0.00061	0.0014	0.0014	0.00085
Cl5-BZ#87	MG/KG	0.00054	0.00076	0.00045 U	0.00087	0.0011	0.00048 U
Cl5-BZ#89	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
Cl5-BZ#91	MG/KG	0.00046 U	0.00019 J	0.00014 J	0.00047 U	0.0001 J	0.00024 J
Cl5-BZ#92	MG/KG	0.00031 J	0.00082	0.00051	0.00062	0.00096	0.0005
Cl5-BZ#95	MG/KG	0.00046 UJ	0.00027 J	0.00013 J	0.00015 J	0.00046 UJ	0.00019 J
Cl5-BZ#97	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U

Prepared by: BJS

Checked by: JPC

Revised 9/14/09 JPC

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2006

	Sample#	NBH06-L-E-1	NBH06-L-A-2	NBH06-L-B-2	NBH06-L-C-2	NBH06-L-D-2	NBH06-L-E-2
CI5-BZ#99	MG/KG	0.0057	0.0073	0.0048	0.0081	0.0089	0.0072
CI5-BZ#100	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00012 J
CI5-BZ#101/#84	MG/KG	0.0013	0.0025	0.0015	0.002	0.0028	0.0018
CI5-BZ#104	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI5-BZ#105	MG/KG	0.0029	0.0034	0.002	0.0042	0.0045	0.003
CI5-BZ#107	MG/KG	0.00075	0.00098	0.00062	0.0011	0.0012	0.00094
CI5-BZ#110	MG/KG	0.00067	0.0018	0.0012	0.001	0.0012	0.0016
CI5-BZ#114	MG/KG	0.00046 U	0.00013 J	0.00013 J	0.00015 J	0.00022 J	0.00017 J
CI5-BZ#118	MG/KG	0.014	0.017	0.011	0.022	0.025	0.016
CI5-BZ#119	MG/KG	0.00036 J	0.00037 J	0.00026 J	0.00047	0.0004 J	0.00052
CI5-BZ#123	MG/KG	0.00017 J	0.00023 J	0.00014 J	0.00034 J	0.00033 J	0.00017 J
CI5-BZ#124	MG/KG	0.00046 U	0.00011 J	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI5-BZ#126	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI6-BZ#129	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI6-BZ#130	MG/KG	0.00028 J	0.00043 J	0.00011 J	0.00037 J	0.00054	0.00042 J
CI6-BZ#131	MG/KG	0.00091 U	0.00091 U	0.00091 U	0.00093 U	0.00092 U	0.00096 U
CI6-BZ#132/#168	MG/KG	0.00091 U	0.00047 J	0.00091 U	0.00093 U	0.00092 U	0.00096 U
CI6-BZ#134	MG/KG	0.00046 U	0.00036 J	0.00023 J	0.00038 J	0.00049	0.00033 J
CI6-BZ#135/#144	MG/KG	0.00091 U	0.00026 J	0.00016 J	0.00019 J	0.00029 J	0.00019 J
CI6-BZ#136	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI6-BZ#137	MG/KG	0.00049	0.00063	0.00032 J	0.00071	0.00088	0.00056
CI6-BZ#138/#163	MG/KG	0.0078	0.01	0.0055	0.012	0.014	0.0097
CI6-BZ#141	MG/KG	0.00046 U	0.00022 J	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI6-BZ#146	MG/KG	0.0025	0.0029	0.0018	0.0036	0.0043	0.003
CI6-BZ#147	MG/KG	0.00035 J	0.00056	0.00028 J	0.0005	0.00076	0.00043 J
CI6-BZ#149	MG/KG	0.00034 J	0.00099	0.00053	0.00053	0.00069	0.00077
CI6-BZ#151	MG/KG	0.00046 U	0.00029 J	0.00014 J	0.00021 J	0.00029 J	0.00019 J
CI6-BZ#153	MG/KG	0.016	0.017	0.011	0.021	0.025	0.018
CI6-BZ#154	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00014 J	0.00025 J
CI6-BZ#155	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI6-BZ#156	MG/KG	0.0011	0.0012	0.00072	0.0015	0.0017	0.0011
CI6-BZ#157	MG/KG	0.00028 J	0.00034 J	0.00011 J	0.00035 J	0.00044 J	0.00034 J
CI6-BZ#158	MG/KG	0.00086	0.001	0.00049	0.0012	0.0013	0.00095
CI6-BZ#167/#128	MG/KG	0.0028	0.0033	0.0018	0.0039	0.0044	0.0032
CI6-BZ#169	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#170/#190	MG/KG	0.00073 J	0.00091	0.00053 J	0.00099	0.0012	0.00089 J
CI7-BZ#171	MG/KG	0.00022 J	0.00026 J	0.00015 J	0.00028 J	0.00028 J	0.00025 J
CI7-BZ#172	MG/KG	0.00017 J	0.00025 J	0.00012 J	0.00021 J	0.00019 J	0.00016 J
CI7-BZ#173	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#174	MG/KG	0.00046 U	0.00019 J	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#175	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00011 J	0.00011 J
CI7-BZ#176	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#177	MG/KG	0.00015 J	0.00037 J	0.00023 J	0.00023 J	0.00029 J	0.00036 J
CI7-BZ#178	MG/KG	0.00026 J	0.0003 J	0.00022 J	0.0004 J	0.00041 J	0.00028 J
CI7-BZ#180	MG/KG	0.0015	0.0015	0.00086	0.002	0.0022	0.0015
CI7-BZ#182/#187	MG/KG	0.0014	0.0017	0.0011	0.002	0.0024	0.0015
CI7-BZ#183	MG/KG	0.00038 J	0.00038 J	0.00028 J	0.00054	0.00047	0.00039 J
CI7-BZ#184	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#185	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#188	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#189	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#191	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI7-BZ#193	MG/KG	0.00016 J	0.00012 J	0.00009 J	0.00018 J	0.0002 J	0.00014 J
CI8-BZ#194	MG/KG	0.00015 J	0.00021 J	0.00045 U	0.00029 J	0.00024 J	0.00015 J
CI8-BZ#195	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI8-BZ#196/203	MG/KG	0.00033 J	0.00014 J	0.00091 U	0.00019 J	0.00027 J	0.00024 J
CI8-BZ#197	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI8-BZ#199	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI8-BZ#200	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI8-BZ#201	MG/KG	0.00046 U	0.00023 J	0.00045 U	0.00028 J	0.00027 J	0.00024 J
CI8-BZ#202	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00017 J	0.00017 J	0.00012 J
CI8-BZ#205	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U
CI9-BZ#206	MG/KG	0.00046 U	0.00046 U	0.00045 U	0.00047 U	0.00046 U	0.00048 U

Prepared by: BJS
Checked by: JPC
Revised 9/14/09 JPC

Table 1A Sample Data for Lobster Meat (mg/kg wet weight) Areas I and II 2006

	Sample#	NBH06-L-E-1		NBH06-L-A-2		NBH06-L-B-2		NBH06-L-C-2		NBH06-L-D-2		NBH06-L-E-2	
CI9-BZ#207	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
CI9-BZ#208	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
CI10-BZ#209	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
Aroclor-1232	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
Aroclor-1242	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
Aroclor-1248	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
Aroclor-1254	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U
Aroclor-1260	MG/KG	0.00046	U	0.00046	U	0.00045	U	0.00047	U	0.00046	U	0.00048	U

Prepared by: BJS
 Checked by: JPC
 Revised 9/14/09 JPC

Table 1B Sample Data for Lobster Tomalley (mg/kg wet weight) Areas I and II 2006

	Sample#	NBH06-L-E-1	NBH06-L-A-2	NBH06-L-B-2	NBH06-L-C-2	NBH06-L-D-2	NBH06-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	3.45	3.36	3.47	3.48	3.44
Parameter	Units						
Lipids	PERCENT	17	18	17	12	14	14
Total PCB Congeners ¹	MG/KG	14 J4	11 J4	5.3 J4	8.0 J4	12 J4	7.5 J4
Total PCB Congeners Hits ²	MG/KG	14	11	5.3	8.0	12	7.5
Total NOAA Congeners ³	MG/KG	9.4 J4	7.6 J4	3.6 J4	5.6 J4	8.5 J4	5.1 J4
Total WHO Congeners ⁴	MG/KG	3.5 J4	2.7 J4	1.2 J4	2.0 J4	3.1 J4	1.8 J4
Total NOAA / WHO Combined ⁵	MG/KG	9.8 J4	7.9 J4	3.7 J4	5.8 J4	8.8 J4	5.3 J4
Total Aroclors ⁶	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C1-BZ#1	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.0012	0.00073 U
C1-BZ#3	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C12-BZ#4/#10	MG/KG	0.0026	0.00099 J	0.0011 J	0.00073 J	0.0036	0.0012 J
C12-BZ#5/#8	MG/KG	0.0062	0.0063	0.0083	0.0045	0.0074	0.0046
C12-BZ#6	MG/KG	0.0022	0.0033	0.0042	0.0022	0.0032	0.0034
C12-BZ#7	MG/KG	0.00067 J	0.00074	0.00068 J	0.00033 J	0.0005 J	0.00044 J
C12-BZ#12/#13	MG/KG	0.0034	0.0027	0.0041	0.003	0.0049	0.0021
C12-BZ#15	MG/KG	0.01	0.01	0.014	0.0064	0.0094	0.0052
C13-BZ#16/#32	MG/KG	0.03	0.022	0.028	0.016	0.025	0.02
C13-BZ#17	MG/KG	0.011	0.0049	0.006	0.0032	0.0055	0.0058
C13-BZ#18	MG/KG	0.016	0.0057	0.0068	0.004	0.0063	0.011
C13-BZ#19	MG/KG	0.00063 J	0.0003 J	0.00027 J	0.00022 J	0.0011	0.00041 J
C13-BZ#21/#33	MG/KG	0.0065	0.005	0.0053	0.0042	0.0063	0.0045
C13-BZ#22	MG/KG	0.012	0.01	0.0085	0.0048	0.0085	0.007
C13-BZ#24/#27	MG/KG	0.0023	0.00088 J	0.001 J	0.00068 J	0.0016	0.0017
C13-BZ#25	MG/KG	0.0084	0.0057	0.0044	0.0024	0.0043	0.0072
C13-BZ#26	MG/KG	0.025	0.016	0.017	0.0094	0.018	0.018
C13-BZ#28/#31	MG/KG	0.39	0.32	0.32	0.22	0.3	0.19
C13-BZ#29	MG/KG	0.00083 U	0.00016 J	0.00021 J	0.00072 U	0.00072 U	0.00073 U
C13-BZ#37	MG/KG	0.019	0.02	0.016	0.015	0.017	0.0093
C14-BZ#40	MG/KG	0.0025	0.0026	0.0012	0.001	0.002	0.0033
C14-BZ#41/#71	MG/KG	0.052	0.041	0.031	0.019	0.032	0.038
C14-BZ#42	MG/KG	0.0017	0.0014	0.00055 J	0.00061 J	0.0006 J	0.0027
C14-BZ#43/#49	MG/KG	0.032	0.028	0.018	0.012	0.016	0.033
C14-BZ#44	MG/KG	0.0046	0.0022	0.0015	0.0013	0.0017	0.0034
C14-BZ#45	MG/KG	0.00098	0.00045 J	0.00042 J	0.00022 J	0.00043 J	0.00073
C14-BZ#46	MG/KG	0.0003 J	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00019 J
C14-BZ#47/#48	MG/KG	0.3	0.24	0.15	0.17	0.2	0.14
C14-BZ#50	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C14-BZ#51	MG/KG	0.0015	0.0013	0.0015	0.00098	0.0015	0.0024
C14-BZ#52	MG/KG	0.069	0.071	0.047	0.033	0.073	0.044
C14-BZ#53	MG/KG	0.0014	0.00049 J	0.00055 J	0.0004 J	0.00069 J	0.0014
C14-BZ#54	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C14-BZ#56/#60	MG/KG	0.072	0.049	0.027	0.032	0.043	0.029
C14-BZ#63	MG/KG	0.028	0.022	0.012	0.015	0.023	0.013
C14-BZ#64	MG/KG	0.041	0.032	0.029	0.022	0.036	0.034
C14-BZ#66	MG/KG	0.46	0.38	0.2	0.32	0.35	0.22
C14-BZ#70	MG/KG	0.03	0.042	0.025	0.022	0.035	0.028
C14-BZ#74	MG/KG	0.35 J	0.24 J	0.14 J	0.18 J	0.27 J	0.15 J
C14-BZ#76	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C14-BZ#77	MG/KG	0.045 J	0.047 J	0.025 J	0.03 J	0.04 J	0.02 J
C14-BZ#81	MG/KG	0.003 J	0.0023 J	0.0012 J	0.0019 J	0.0023 J	0.0015 J
C15-BZ#82	MG/KG	0.0014	0.0019	0.0008	0.00089	0.0013	0.0017
C15-BZ#83	MG/KG	0.0032	0.0058	0.0021	0.0022	0.0029	0.0047
C15-BZ#85	MG/KG	0.15	0.12	0.048	0.091	0.11	0.068
C15-BZ#87	MG/KG	0.098	0.075	0.034	0.053	0.081	0.051
C15-BZ#89	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C15-BZ#91	MG/KG	0.0049	0.0096	0.0035	0.0025	0.0033	0.0088
C15-BZ#92	MG/KG	0.044	0.068	0.029	0.034	0.066	0.035
C15-BZ#95	MG/KG	0.0095 J	0.011 J	0.0041 J	0.0041 J	0.0059 J	0.008 J
C15-BZ#97	MG/KG	0.002	0.0021	0.00062 J	0.00075	0.00059 J	0.0026
C15-BZ#99	MG/KG	1	0.81	0.39	0.58	0.78	0.59
C15-BZ#100	MG/KG	0.0063	0.0055	0.0036	0.0039	0.0053	0.0054
C15-BZ#101/#84	MG/KG	0.25	0.25	0.11	0.12	0.22	0.12
C15-BZ#104	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
C15-BZ#105	MG/KG	0.5	0.36	0.15	0.26	0.39	0.22
C15-BZ#107	MG/KG	0.13	0.11	0.043	0.077	0.12	0.07
C15-BZ#110	MG/KG	0.11	0.16	0.074	0.054	0.087	0.096

Table 1B Sample Data for Lobster Tomalley (mg/kg wet weight) Areas I and II 2006

	Sample#	NBH06-L-E-1	NBH06-L-A-2	NBH06-L-B-2	NBH06-L-C-2	NBH06-L-D-2	NBH06-L-E-2
CI5-BZ#114	MG/KG	0.021	0.012	0.0063	0.0094	0.016	0.0091
CI5-BZ#118	MG/KG	2.1	1.7	0.81	1.3	2	1.2
CI5-BZ#119	MG/KG	0.062	0.04	0.022	0.028	0.033	0.036
CI5-BZ#123	MG/KG	0.04	0.03	0.014	0.02	0.034	0.021
CI5-BZ#124	MG/KG	0.004	0.0051	0.0024	0.0024	0.005	0.004
CI5-BZ#126	MG/KG	0.01	0.0086	0.005	0.0065	0.0084	0.0051
CI6-BZ#129	MG/KG	0.00083 U	0.0031	0.00018 J	0.00072 U	0.0032	0.0034
CI6-BZ#130	MG/KG	0.045	0.045	0.016	0.028	0.045	0.026
CI6-BZ#131	MG/KG	0.0017 U	0.0028	0.0015 U	0.0014 U	0.0014 U	0.0014 U
CI6-BZ#132/#168	MG/KG	0.016	0.024	0.0081	0.011	0.012	0.013
CI6-BZ#134	MG/KG	0.035	0.035	0.014	0.025	0.039	0.023
CI6-BZ#135/#144	MG/KG	0.011	0.024	0.0085	0.01	0.018	0.011
CI6-BZ#136	MG/KG	0.00043 J	0.0011	0.00018 J	0.00033 J	0.00017 J	0.00073
CI6-BZ#137	MG/KG	0.086	0.055	0.024	0.044	0.066	0.039
CI6-BZ#138/#163	MG/KG	1.4	1.3	0.5	0.91	1.4	0.86
CI6-BZ#141	MG/KG	0.008	0.012	0.004	0.0042	0.0091	0.0058
CI6-BZ#146	MG/KG	0.48	0.37	0.15	0.28	0.44	0.26
CI6-BZ#147	MG/KG	0.056	0.038	0.016	0.025	0.039	0.025
CI6-BZ#149	MG/KG	0.052	0.095	0.035	0.031	0.052	0.051
CI6-BZ#151	MG/KG	0.013	0.02	0.0069	0.0076	0.015	0.012
CI6-BZ#153	MG/KG	3.1	2.4	1.1	1.8	2.8	1.7
CI6-BZ#154	MG/KG	0.012	0.0094	0.0058	0.006	0.0095	0.015
CI6-BZ#155	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
CI6-BZ#156	MG/KG	0.2	0.13	0.054	0.1	0.16	0.089
CI6-BZ#157	MG/KG	0.049	0.036	0.014	0.028	0.04	0.024
CI6-BZ#158	MG/KG	0.14	0.095	0.038	0.061	0.1	0.064
CI6-BZ#167/#128	MG/KG	0.48	0.35	0.14	0.26	0.39	0.24
CI6-BZ#169	MG/KG	0.00083 U	0.00029 J	0.00074 U	0.00072 U	0.00072 U	0.00073 U
CI7-BZ#170/#190	MG/KG	0.12	0.091	0.036	0.072	0.1	0.059
CI7-BZ#171	MG/KG	0.025	0.018	0.0077	0.014	0.021	0.013
CI7-BZ#172	MG/KG	0.019	0.016	0.0056	0.012	0.018	0.01
CI7-BZ#173	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
CI7-BZ#174	MG/KG	0.0034	0.0098	0.0024	0.003	0.0054	0.0034
CI7-BZ#175	MG/KG	0.0064	0.0046	0.0017	0.0032	0.0045	0.0027
CI7-BZ#176	MG/KG	0.00018 J	0.00045 J	0.00074 U	0.00072 U	0.00072 U	0.00022 J
CI7-BZ#177	MG/KG	0.026	0.034	0.01	0.017	0.029	0.016
CI7-BZ#178	MG/KG	0.032	0.027	0.01	0.021	0.03	0.018
CI7-BZ#180	MG/KG	0.28	0.2	0.078	0.16	0.23	0.13
CI7-BZ#182/#187	MG/KG	0.2	0.18	0.078	0.13	0.2	0.11
CI7-BZ#183	MG/KG	0.058	0.04	0.018	0.029	0.042	0.029
CI7-BZ#184	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.0002 J
CI7-BZ#185	MG/KG	0.00043 J	0.00057 J	0.00021 J	0.00024 J	0.00047 J	0.00026 J
CI7-BZ#188	MG/KG	0.0018	0.0011	0.00054 J	0.00086	0.00095	0.00071 J
CI7-BZ#189	MG/KG	0.011	0.0068	0.0029	0.0056	0.0082	0.0047
CI7-BZ#191	MG/KG	0.0076	0.0046	0.0023	0.0036	0.0053	0.0031
CI7-BZ#193	MG/KG	0.023	0.015	0.0066	0.013	0.019	0.01
CI8-BZ#194	MG/KG	0.023	0.016	0.0065	0.015	0.017	0.01
CI8-BZ#195	MG/KG	0.006	0.0038	0.0016	0.0036	0.0047	0.0028
CI8-BZ#196/203	MG/KG	0.024	0.018	0.0081	0.014	0.018	0.011
CI8-BZ#197	MG/KG	0.0012	0.00086	0.00052 J	0.00075	0.00091	0.00086
CI8-BZ#199	MG/KG	0.00083 U	0.00033 J	0.00074 U	0.00072 U	0.00072 U	0.00073 U
CI8-BZ#200	MG/KG	0.0047	0.0036	0.0016	0.0028	0.0034	0.0023
CI8-BZ#201	MG/KG	0.02	0.018	0.0069	0.015	0.018	0.01
CI8-BZ#202	MG/KG	0.0096	0.0077	0.0034	0.0065	0.0087	0.0055
CI8-BZ#205	MG/KG	0.00085	0.00049 J	0.00025 J	0.00062 J	0.00062 J	0.00073 U
CI9-BZ#206	MG/KG	0.0057	0.0041	0.002	0.0037	0.0042	0.0028
CI9-BZ#207	MG/KG	0.0012	0.00078	0.00049 J	0.00089	0.00099	0.00071 J
CI9-BZ#208	MG/KG	0.0031	0.0026	0.0012	0.0025	0.0026	0.002
CI10-BZ#209	MG/KG	0.0015	0.0012	0.0006 J	0.0013	0.001	0.00071 J
Aroclor-1232	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
Aroclor-1242	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
Aroclor-1248	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
Aroclor-1254	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U
Aroclor-1260	MG/KG	0.00083 U	0.00072 U	0.00074 U	0.00072 U	0.00072 U	0.00073 U

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2006

	Sample#	NBH06-L-A-3	NBH06-L-B-3	NBH06-L-C-3	NBH06-L-D-3	NBH06-L-E-3
	Species	Lobster Meat	Lobster Meat	Lobster Meat	Lobster Meat	Lobster Meat
	Area	III	III	III	III	III
	Station	Station A	Station B	Station C	Station D	Station E
	Weight (grams)	5.46	5.24	5.39	5.44	5.33
Parameter	Units					
Lipids	PERCENT	0.35	0.46	0.52	0.55	0.41
Total PCB Congeners ¹	MG/KG	0.15 J3	0.13 J2	0.090 J2	0.098 J2	0.10 J2
Total PCB Congeners Hits ²	MG/KG	0.14	0.11	0.074	0.084	0.089
Total NOAA Congeners ³	MG/KG	0.098 J4	0.084 J3	0.052 J3	0.055 J3	0.059 J4
Total WHO Congeners ⁴	MG/KG	0.041 J3	0.033 J3	0.020 J3	0.021 J3	0.023 J3
Total NOAA / WHO Combined ⁵	MG/KG	0.10 J3	0.088 J3	0.055 J3	0.058 J3	0.062 J3
Total Aroclors ⁶	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl1-BZ#1	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl1-BZ#3	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl2-BZ#4/#10	MG/KG	0.00092 U	0.00095 U	0.00093 U	0.00092 U	0.00094 U
Cl2-BZ#5/#8	MG/KG	0.00016 J	0.00095 U	0.00093 U	0.00092 U	0.00016 J
Cl2-BZ#6	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl2-BZ#7	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl2-BZ#12/#13	MG/KG	0.00092 U	0.00095 U	0.00093 U	0.00092 U	0.00094 U
Cl2-BZ#15	MG/KG	0.00013 J	0.00048 U	0.00046 U	0.00046 U	0.00012 J
Cl3-BZ#16/#32	MG/KG	0.00053 J	0.00031 J	0.00024 J	0.00032 J	0.00051 J
Cl3-BZ#17	MG/KG	0.00014 J	0.00048 U	0.00046 U	0.00017 J	0.00011 J
Cl3-BZ#18	MG/KG	0.00023 J	0.0001 J	0.00011 J	0.00013 J	0.00026 J
Cl3-BZ#19	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl3-BZ#21/#33	MG/KG	0.00013 J	0.00095 U	0.00093 U	0.00011 J	0.00094 U
Cl3-BZ#22	MG/KG	0.0001 J	0.00048 U	0.00046 U	0.00046 U	0.0002 J
Cl3-BZ#24/#27	MG/KG	0.00092 U	0.00095 U	0.00093 U	0.00092 U	0.00094 U
Cl3-BZ#25	MG/KG	0.00016 J	0.00048 U	0.00046 U	0.00013 J	0.00021 J
Cl3-BZ#26	MG/KG	0.00043 J	0.00023 J	0.00011 J	0.00013 J	0.00047
Cl3-BZ#28/#31	MG/KG	0.0042	0.0022	0.0019	0.002	0.0039
Cl3-BZ#29	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl3-BZ#37	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#40	MG/KG	0.00046 U	0.00011 J	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#41/#71	MG/KG	0.00049 J	0.00026 J	0.00031 J	0.0003 J	0.00066 J
Cl4-BZ#42	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00011 J
Cl4-BZ#43/#49	MG/KG	0.0003 J	0.00022 J	0.00026 J	0.00044 J	0.00053 J
Cl4-BZ#44	MG/KG	0.00013 J	0.00048 U	0.00046 U	0.00046 U	0.00016 J
Cl4-BZ#45	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#46	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#47/#48	MG/KG	0.003	0.0018	0.0014	0.0018	0.0021
Cl4-BZ#50	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#51	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#52	MG/KG	0.00091	0.00039 J	0.00036 J	0.00054	0.00061
Cl4-BZ#53	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00013 J	0.00047 U
Cl4-BZ#54	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#56/#60	MG/KG	0.0006 J	0.00043 J	0.00021 J	0.00024 J	0.00045 J
Cl4-BZ#63	MG/KG	0.00028 J	0.00017 J	0.00015 J	0.00017 J	0.00018 J
Cl4-BZ#64	MG/KG	0.00052	0.00032 J	0.00033 J	0.00048	0.00063
Cl4-BZ#66	MG/KG	0.0051	0.0037	0.002	0.0026	0.003
Cl4-BZ#70	MG/KG	0.00032 J	0.00025 J	0.0003 J	0.00036 J	0.00046 J
Cl4-BZ#74	MG/KG	0.0032	0.0021	0.0015	0.0017	0.0022
Cl4-BZ#76	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl4-BZ#77	MG/KG	0.00046 UJ	0.00048 UJ	0.00046 UJ	0.00046 UJ	0.00047 UJ
Cl4-BZ#81	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl5-BZ#82	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl5-BZ#83	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Cl5-BZ#85	MG/KG	0.0017	0.0012	0.0008	0.0011	0.00081
Cl5-BZ#87	MG/KG	0.001	0.00069	0.00046	0.00053	0.0006
Cl5-BZ#89	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2006

	Sample#	NBH06-L-A-3	NBH06-L-B-3	NBH06-L-C-3	NBH06-L-D-3	NBH06-L-E-3
CI5-BZ#91	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00015 J	0.00021 J
CI5-BZ#92	MG/KG	0.00058	0.00032 J	0.00043 J	0.00053	0.00045 J
CI5-BZ#95	MG/KG	0.00012 J	0.00048 UJ	0.00046 UJ	0.00012 J	0.00016 J
CI5-BZ#97	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI5-BZ#99	MG/KG	0.0087	0.0061	0.0059	0.0073	0.0067
CI5-BZ#100	MG/KG	0.00012 J	0.00048 U	0.00046 U	0.00046 U	0.0001 J
CI5-BZ#101/#84	MG/KG	0.0021	0.0012	0.001	0.0016	0.0015
CI5-BZ#104	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI5-BZ#105	MG/KG	0.0049	0.0039	0.0023	0.0022	0.0027
CI5-BZ#107	MG/KG	0.0014	0.00098	0.0007	0.001	0.00084
CI5-BZ#110	MG/KG	0.0011	0.00066	0.00074	0.0013	0.0013
CI5-BZ#114	MG/KG	0.0002 J	0.00017 J	0.00046 U	0.00046 U	0.00047 U
CI5-BZ#118	MG/KG	0.027	0.021	0.012	0.013	0.014
CI5-BZ#119	MG/KG	0.0004 J	0.00033 J	0.00039 J	0.00045 J	0.00042 J
CI5-BZ#123	MG/KG	0.00046	0.00033 J	0.00046 U	0.00046 U	0.00026 J
CI5-BZ#124	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI5-BZ#126	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI6-BZ#129	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI6-BZ#130	MG/KG	0.00052	0.00035 J	0.00035 J	0.00046	0.00033 J
CI6-BZ#131	MG/KG	0.00092 U	0.00095 U	0.00093 U	0.00092 U	0.00094 U
CI6-BZ#132/#168	MG/KG	0.00052 J	0.00095 U	0.00024 J	0.00019 J	0.00011 J
CI6-BZ#134	MG/KG	0.00051	0.00051	0.00027 J	0.0004 J	0.00029 J
CI6-BZ#135/#144	MG/KG	0.00025 J	0.00013 J	0.00011 J	0.00024 J	0.00022 J
CI6-BZ#136	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI6-BZ#137	MG/KG	0.00097	0.0007	0.00043 J	0.00044 J	0.00053
CI6-BZ#138/#163	MG/KG	0.014	0.012	0.0085	0.01	0.0082
CI6-BZ#141	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00013 J	0.00047 U
CI6-BZ#146	MG/KG	0.0048	0.0044	0.0025	0.0027	0.0027
CI6-BZ#147	MG/KG	0.00056	0.00037 J	0.00029 J	0.00051	0.00038 J
CI6-BZ#149	MG/KG	0.00049	0.00032 J	0.00043 J	0.00083	0.00067
CI6-BZ#151	MG/KG	0.00019 J	0.00048 U	0.00012 J	0.00032 J	0.0002 J
CI6-BZ#153	MG/KG	0.027	0.027	0.016	0.015	0.017
CI6-BZ#154	MG/KG	0.00013 J	0.00048 U	0.00011 J	0.00015 J	0.00013 J
CI6-BZ#155	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI6-BZ#156	MG/KG	0.0021	0.0018	0.001	0.001	0.0012
CI6-BZ#157	MG/KG	0.00058	0.00049	0.00032 J	0.00025 J	0.00029 J
CI6-BZ#158	MG/KG	0.0015	0.00084	0.00083	0.00077	0.00084
CI6-BZ#167/#128	MG/KG	0.0048	0.0044	0.0028	0.0029	0.0029
CI6-BZ#169	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#170/#190	MG/KG	0.0014	0.0013	0.00076 J	0.0008 J	0.00065 J
CI7-BZ#171	MG/KG	0.00029 J	0.00028 J	0.00017 J	0.00028 J	0.00021 J
CI7-BZ#172	MG/KG	0.00034 J	0.00029 J	0.00046 U	0.00018 J	0.00015 J
CI7-BZ#173	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#174	MG/KG	0.00046 U	0.00048 U	0.00013 J	0.00046 U	0.00047 U
CI7-BZ#175	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#176	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#177	MG/KG	0.00049	0.00048	0.00026 J	0.00047	0.00023 J
CI7-BZ#178	MG/KG	0.00047	0.00043 J	0.00032 J	0.00033 J	0.00034 J
CI7-BZ#180	MG/KG	0.0027	0.0026	0.0015	0.0014	0.0016
CI7-BZ#182/#187	MG/KG	0.0027	0.0027	0.0013	0.0018	0.0017
CI7-BZ#183	MG/KG	0.00054	0.00051	0.0004 J	0.00043 J	0.00043 J
CI7-BZ#184	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#185	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#188	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#189	MG/KG	0.00046 U	0.00015 J	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#191	MG/KG	0.00046 U	0.00014 J	0.00046 U	0.00046 U	0.00047 U
CI7-BZ#193	MG/KG	0.00029 J	0.00025 J	0.00014 J	0.00015 J	0.00016 J
CI8-BZ#194	MG/KG	0.00036 J	0.00031 J	0.00046 U	0.00046 U	0.00047 U
CI8-BZ#195	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U

Table 1C Sample Data for Lobster Meat (mg/kg wet weight) Area III 2006

	Sample#	NBH06-L-A-3	NBH06-L-B-3	NBH06-L-C-3	NBH06-L-D-3	NBH06-L-E-3
CI8-BZ#196/203	MG/KG	0.00032 J	0.00035 J	0.00025 J	0.00028 J	0.0002 J
CI8-BZ#197	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI8-BZ#199	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI8-BZ#200	MG/KG	0.00046 U	0.00013 J	0.00046 U	0.00046 U	0.00047 U
CI8-BZ#201	MG/KG	0.0003 J	0.00041 J	0.00022 J	0.00031 J	0.00023 J
CI8-BZ#202	MG/KG	0.00024 J	0.00018 J	0.00011 J	0.00015 J	0.00047 U
CI8-BZ#205	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI9-BZ#206	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI9-BZ#207	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
CI9-BZ#208	MG/KG	0.00046 U	0.00016 J	0.00046 U	0.00018 J	0.00047 U
CI10-BZ#209	MG/KG	0.00046 U	0.0001 J	0.00021 J	0.00046 U	0.00047 U
Aroclor-1232	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Aroclor-1242	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Aroclor-1248	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Aroclor-1254	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U
Aroclor-1260	MG/KG	0.00046 U	0.00048 U	0.00046 U	0.00046 U	0.00047 U

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2006

	Sample#	NBH06-L-A-3	NBH06-L-B-3	NBH06-L-C-3	NBH06-L-D-3	NBH06-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)	3.23	3.53	3.44	3.5	3.22
Parameter	Units					
Lipids	PERCENT	8.8	8.1	11	18	8.6
Total PCB Congeners ¹	MG/KG	8.0 J4	5.9 J4	3.9 J4	7.6 J4	5.8 J4
Total PCB Congeners Hits ²	MG/KG	8.0	5.9	3.9	7.5	5.8
Total NOAA Congeners ³	MG/KG	5.7 J4	4.3 J4	2.7 J4	5.1 J4	3.8 J4
Total WHO Congeners ⁴	MG/KG	2.2 J4	1.4 J4	0.912 J4	1.6 J4	1.3 J4
Total NOAA / WHO Combined ⁵	MG/KG	6.0 J4	4.4 J4	2.8 J4	5.3 J4	3.9 J4
Total Aroclors ⁶	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl1-BZ#1	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl1-BZ#3	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl2-BZ#4/#10	MG/KG	0.00046 J	0.00037 J	0.00032 J	0.00051 J	0.0011 J
Cl2-BZ#5/#8	MG/KG	0.0033	0.0017	0.0013 J	0.0033	0.0048
Cl2-BZ#6	MG/KG	0.0016	0.00079	0.00058 J	0.00094	0.0034
Cl2-BZ#7	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00023 J	0.00042 J
Cl2-BZ#12/#13	MG/KG	0.0013 J	0.00051 J	0.00049 J	0.0011 J	0.0023
Cl2-BZ#15	MG/KG	0.0046	0.0025	0.0019	0.003	0.007
Cl3-BZ#16/#32	MG/KG	0.014	0.0074	0.0063	0.014	0.025
Cl3-BZ#17	MG/KG	0.0022	0.0019	0.0014	0.0033	0.0052
Cl3-BZ#18	MG/KG	0.0028	0.0024	0.0018	0.0047	0.01
Cl3-BZ#19	MG/KG	0.00077 U	0.00071 U	0.00015 J	0.00031 J	0.00034 J
Cl3-BZ#21/#33	MG/KG	0.0035	0.0021	0.0018	0.0039	0.0045
Cl3-BZ#22	MG/KG	0.0037	0.0018	0.0013	0.0035	0.0076
Cl3-BZ#24/#27	MG/KG	0.00054 J	0.00044 J	0.00036 J	0.00096 J	0.0016
Cl3-BZ#25	MG/KG	0.0016	0.0025	0.0013	0.0046	0.0062
Cl3-BZ#26	MG/KG	0.0070	0.0054	0.0031	0.0061	0.016
Cl3-BZ#28/#31	MG/KG	0.17	0.092	0.072	0.12	0.25
Cl3-BZ#29	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl3-BZ#37	MG/KG	0.010	0.0053	0.0039	0.0078	0.013
Cl4-BZ#40	MG/KG	0.00065 J	0.00084	0.00067 J	0.0017	0.0024
Cl4-BZ#41/#71	MG/KG	0.015	0.011	0.01	0.018	0.041
Cl4-BZ#42	MG/KG	0.00077 U	0.00075	0.00028 J	0.0011	0.0016
Cl4-BZ#43/#49	MG/KG	0.0076	0.011	0.0066	0.018	0.031
Cl4-BZ#44	MG/KG	0.00077 U	0.0011	0.00047 J	0.00091	0.0029
Cl4-BZ#45	MG/KG	0.00077 U	0.00034 J	0.0002 J	0.0004 J	0.00067 J
Cl4-BZ#46	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl4-BZ#47/#48	MG/KG	0.15	0.086	0.068	0.13	0.15
Cl4-BZ#50	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl4-BZ#51	MG/KG	0.00071 J	0.00067 J	0.00064 J	0.0012	0.0026
Cl4-BZ#52	MG/KG	0.031	0.018	0.012	0.025	0.039
Cl4-BZ#53	MG/KG	0.00033 J	0.00042 J	0.00032 J	0.0012	0.0012
Cl4-BZ#54	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl4-BZ#56/#60	MG/KG	0.027	0.018	0.012	0.021	0.031
Cl4-BZ#63	MG/KG	0.013	0.0078	0.0058	0.011	0.014
Cl4-BZ#64	MG/KG	0.020	0.012	0.012	0.024	0.035
Cl4-BZ#66	MG/KG	0.27	0.16	0.11	0.22	0.22
Cl4-BZ#70	MG/KG	0.012	0.011	0.0094	0.017	0.022
Cl4-BZ#74	MG/KG	0.16 J	0.098 J	0.06 J	0.1 J	0.15 J
Cl4-BZ#76	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
Cl4-BZ#77	MG/KG	0.028 J	0.016 J	0.01 J	0.023 J	0.026 J
Cl4-BZ#81	MG/KG	0.0014 J	0.0011 J	0.00067 J	0.0015 J	0.0012 J
Cl5-BZ#82	MG/KG	0.00057 J	0.00071 U	0.00025 J	0.0016	0.0011
Cl5-BZ#83	MG/KG	0.0011	0.0012	0.0013	0.0058	0.0033
Cl5-BZ#85	MG/KG	0.086	0.06	0.043	0.088	0.054
Cl5-BZ#87	MG/KG	0.053	0.035	0.022	0.042	0.043
Cl5-BZ#89	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2006

	Sample#	NBH06-L-A-3	NBH06-L-B-3	NBH06-L-C-3	NBH06-L-D-3	NBH06-L-E-3
CI5-BZ#91	MG/KG	0.0016	0.0031	0.0016	0.0069	0.0082
CI5-BZ#92	MG/KG	0.027	0.016	0.014	0.036	0.03
CI5-BZ#95	MG/KG	0.0026 J	0.0041 J	0.0022 J	0.0053 J	0.0074 J
CI5-BZ#97	MG/KG	0.00077 U	0.002	0.00025 J	0.00074	0.0021
CI5-BZ#99	MG/KG	0.48	0.36	0.32	0.63	0.48
CI5-BZ#100	MG/KG	0.0035	0.0022	0.0024	0.0051	0.0054
CI5-BZ#101/#84	MG/KG	0.1	0.068	0.057	0.12	0.1
CI5-BZ#104	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
CI5-BZ#105	MG/KG	0.26	0.18	0.11	0.18	0.17
CI5-BZ#107	MG/KG	0.071	0.053	0.042	0.092	0.054
CI5-BZ#110	MG/KG	0.047	0.038	0.033	0.076	0.089
CI5-BZ#114	MG/KG	0.01	0.0062	0.0034	0.0062	0.0073
CI5-BZ#118	MG/KG	1.4	0.89	0.57	1	0.82
CI5-BZ#119	MG/KG	0.022	0.016	0.018	0.035	0.03
CI5-BZ#123	MG/KG	0.021	0.019	0.0081	0.016	0.017
CI5-BZ#124	MG/KG	0.0018	0.0013	0.0014	0.0038	0.0031
CI5-BZ#126	MG/KG	0.0052	0.0035	0.0028	0.0049	0.0041
CI6-BZ#129	MG/KG	0.00077 U	0.0027	0.00073 U	0.00071 U	0.0016
CI6-BZ#130	MG/KG	0.024	0.02	0.016	0.034	0.019
CI6-BZ#131	MG/KG	0.0016 U	0.0014 U	0.0014 J	0.0032	0.0013 J
CI6-BZ#132/#168	MG/KG	0.011	0.012	0.0065	0.016	0.01
CI6-BZ#134	MG/KG	0.025	0.02	0.012	0.03	0.017
CI6-BZ#135/#144	MG/KG	0.008	0.0068	0.0054	0.015	0.012
CI6-BZ#136	MG/KG	0.00077 U	0.00048 J	0.00073 U	0.00073	0.00095
CI6-BZ#137	MG/KG	0.047	0.032	0.019	0.034	0.028
CI6-BZ#138/#163	MG/KG	0.88	0.71	0.49	1	0.58
CI6-BZ#141	MG/KG	0.0038	0.0028	0.0025	0.0072	0.0043
CI6-BZ#146	MG/KG	0.3	0.24	0.15	0.29	0.19
CI6-BZ#147	MG/KG	0.024	0.019	0.013	0.025	0.02
CI6-BZ#149	MG/KG	0.022	0.022	0.021	0.051	0.043
CI6-BZ#151	MG/KG	0.0055	0.0048	0.0045	0.014	0.0085
CI6-BZ#153	MG/KG	1.9	1.6	0.97	1.8	1.2
CI6-BZ#154	MG/KG	0.0043	0.0034	0.0052	0.013	0.0088
CI6-BZ#155	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00019 J	0.00078 U
CI6-BZ#156	MG/KG	0.12	0.079	0.048	0.086	0.06
CI6-BZ#157	MG/KG	0.032	0.024	0.015	0.027	0.017
CI6-BZ#158	MG/KG	0.069	0.045	0.033	0.061	0.047
CI6-BZ#167/#128	MG/KG	0.28	0.21	0.14	0.26	0.16
CI6-BZ#169	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
CI7-BZ#170/#190	MG/KG	0.078	0.063	0.038	0.074	0.038
CI7-BZ#171	MG/KG	0.014	0.011	0.0082	0.017	0.0082
CI7-BZ#172	MG/KG	0.012	0.01	0.0065	0.013	0.0067
CI7-BZ#173	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00071 U	0.00078 U
CI7-BZ#174	MG/KG	0.0023	0.0023	0.0023	0.0049	0.0035
CI7-BZ#175	MG/KG	0.0037	0.0027	0.002	0.0035	0.0021
CI7-BZ#176	MG/KG	0.00077 U	0.00017 J	0.00073 U	0.00031 J	0.00026 J
CI7-BZ#177	MG/KG	0.022	0.021	0.012	0.034	0.013
CI7-BZ#178	MG/KG	0.023	0.021	0.012	0.028	0.014
CI7-BZ#180	MG/KG	0.19	0.14	0.085	0.15	0.09
CI7-BZ#182/#187	MG/KG	0.16	0.14	0.077	0.16	0.1
CI7-BZ#183	MG/KG	0.031	0.026	0.019	0.038	0.022
CI7-BZ#184	MG/KG	0.00077 U	0.00071 U	0.00073 U	0.00017 J	0.00078 U
CI7-BZ#185	MG/KG	0.00033 J	0.00016 J	0.00073 U	0.00036 J	0.00025 J
CI7-BZ#188	MG/KG	0.0008	0.00084	0.0006 J	0.00096	0.00067 J
CI7-BZ#189	MG/KG	0.007	0.005	0.0033	0.0054	0.0034
CI7-BZ#191	MG/KG	0.0047	0.003	0.002	0.0032	0.0024
CI7-BZ#193	MG/KG	0.014	0.012	0.007	0.013	0.0078
CI8-BZ#194	MG/KG	0.018	0.014	0.0096	0.016	0.0072
CI8-BZ#195	MG/KG	0.0039	0.0034	0.0021	0.0036	0.0019

Table 1D Sample Data for Lobster Tomalley (mg/kg wet weight) Area III 2006

	Sample#	NBH06-L-A-3		NBH06-L-B-3		NBH06-L-C-3		NBH06-L-D-3		NBH06-L-E-3	
CI8-BZ#196/203	MG/KG	0.018		0.014		0.0088		0.016		0.0086	
CI8-BZ#197	MG/KG	0.0011		0.00081		0.00048	J	0.0012		0.00054	J
CI8-BZ#199	MG/KG	0.00077	U	0.00071	U	0.00073	U	0.00071	U	0.00078	U
CI8-BZ#200	MG/KG	0.0032		0.0031		0.0019		0.0039		0.002	
CI8-BZ#201	MG/KG	0.016		0.016		0.0099		0.021		0.0088	
CI8-BZ#202	MG/KG	0.008		0.008		0.0047		0.011		0.0045	
CI8-BZ#205	MG/KG	0.00062	J	0.00045	J	0.00047	J	0.00064	J	0.00078	U
CI9-BZ#206	MG/KG	0.0051		0.0049		0.003		0.005		0.002	
CI9-BZ#207	MG/KG	0.00084		0.00082		0.00057	J	0.001		0.0005	J
CI9-BZ#208	MG/KG	0.0029		0.0028		0.0018		0.0036		0.0013	
CI10-BZ#209	MG/KG	0.0014		0.0015		0.00068	J	0.0015		0.00056	J
Aroclor-1232	MG/KG	0.00077	U	0.00071	U	0.00073	U	0.00071	U	0.00078	U
Aroclor-1242	MG/KG	0.00077	U	0.00071	U	0.00073	U	0.00071	U	0.00078	U
Aroclor-1248	MG/KG	0.00077	U	0.00071	U	0.00073	U	0.00071	U	0.00078	U
Aroclor-1254	MG/KG	0.00077	U	0.00071	U	0.00073	U	0.00071	U	0.00078	U
Aroclor-1260	MG/KG	0.00077	U	0.00071	U	0.00073	U	0.00071	U	0.00078	U

Table 2 Sample Data for Blue Crab (mg/kg wet weight) 2006

	Sample#	NBH06-L-A-1		NBH06-L-B-1		NBH06-L-C-1		NBH06-L-D-1	
	Species	Blue Crabs		Blue Crabs		Blue Crabs		Blue Crabs	
	Area	I		I		I		I	
	Station	Station A		Station B		Station C		Station D	
Parameter	Units								
Lipids	PERCENT	0.45		0.72		0.88		0.59	
Total PCB Congeners ¹	MG/KG	3.8	J4	4.7	J4	3.1	J4	1.4	J4
Total PCB Congeners Hits ²	MG/KG	3.8		4.7		3.1		1.4	
Total NOAA Congeners ³	MG/KG	2.0	J4	2.6	J4	1.8	J4	0.78	J4
Total WHO Congeners ⁴	MG/KG	0.39	J4	0.70	J4	0.45	J4	0.15	J4
Total NOAA / WHO Combined ⁵	MG/KG	2.0	J4	2.7	J4	1.8	J4	0.80	J4
Total Aroclors ⁶	MG/KG	4.1	J4	11	J4	4.0	J4	1.4	J4
Cl1-BZ#1	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl2-BZ#4/#10	MG/KG	0.0033		0.0012		0.0013		0.0014	
Cl2-BZ#5/#8	MG/KG	0.012		0.0028		0.0038		0.0045	
Cl2-BZ#6	MG/KG	0.0068		0.0013		0.0028		0.0011	
Cl2-BZ#7	MG/KG	0.00056		0.00046	U	0.00026	J	0.00046	U
Cl2-BZ#12/#13	MG/KG	0.0047		0.0013		0.0036		0.0017	
Cl2-BZ#15	MG/KG	0.014		0.0045		0.014		0.0072	
Cl3-BZ#16/#32	MG/KG	0.03		0.0096		0.0058		0.0088	
Cl3-BZ#17	MG/KG	0.016		0.0052		0.0037		0.0042	
Cl3-BZ#18	MG/KG	0.032		0.011		0.014		0.0073	
Cl3-BZ#19	MG/KG	0.0012		0.00038	J	0.00051		0.00045	J
Cl3-BZ#21/#33	MG/KG	0.0034		0.0014		0.002		0.0014	
Cl3-BZ#22	MG/KG	0.019		0.0055		0.0051		0.0059	
Cl3-BZ#24/#27	MG/KG	0.0061		0.0013		0.0015		0.0012	
Cl3-BZ#25	MG/KG	0.062		0.015		0.019		0.018	
Cl3-BZ#26	MG/KG	0.11		0.031		0.046		0.022	
Cl3-BZ#28/#31	MG/KG	0.75		0.37		0.52		0.33	
Cl3-BZ#29	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl3-BZ#37	MG/KG	0.012		0.0076		0.015		0.0063	
Cl4-BZ#40	MG/KG	0.0053		0.0018		0.002		0.0014	
Cl4-BZ#41/#71	MG/KG	0.052		0.035		0.028		0.018	
Cl4-BZ#42	MG/KG	0.017		0.0068		0.0047		0.004	
Cl4-BZ#43/#49	MG/KG	0.1		0.055		0.031		0.02	
Cl4-BZ#44	MG/KG	0.0096		0.0043		0.0062		0.0023	
Cl4-BZ#45	MG/KG	0.00063		0.00025	J	0.00035	J	0.00022	J
Cl4-BZ#46	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl4-BZ#47/#48	MG/KG	0.28		0.29		0.19		0.091	
Cl4-BZ#50	MG/KG	0.0004	J	0.0002	J	0.00016	J	0.00017	J
Cl4-BZ#51	MG/KG	0.0056		0.0023		0.0014		0.0016	
Cl4-BZ#52	MG/KG	0.12		0.13		0.1		0.021	
Cl4-BZ#53	MG/KG	0.0046		0.00077		0.0022		0.00097	
Cl4-BZ#54	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl4-BZ#56/#60	MG/KG	0.039		0.04		0.036		0.02	
Cl4-BZ#63	MG/KG	0.0096		0.0087		0.0084		0.0041	
Cl4-BZ#64	MG/KG	0.04		0.017		0.011		0.011	
Cl4-BZ#66	MG/KG	0.16		0.17		0.17		0.062	
Cl4-BZ#70	MG/KG	0.02		0.024		0.021		0.0096	
Cl4-BZ#74	MG/KG	0.13		0.14		0.12		0.05	
Cl4-BZ#76	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl4-BZ#77	MG/KG	0.0099	J	0.011	J	0.012	J	0.0042	J
Cl4-BZ#81	MG/KG	0.00047	U	0.001		0.00093		0.00046	U
Cl5-BZ#82	MG/KG	0.0014		0.00064		0.00063		0.00036	J
Cl5-BZ#83	MG/KG	0.0034		0.0015		0.00077		0.00072	
Cl5-BZ#85	MG/KG	0.018		0.027		0.016		0.0072	
Cl5-BZ#87	MG/KG	0.02		0.032		0.017		0.0075	
Cl5-BZ#89	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Cl5-BZ#91	MG/KG	0.032		0.029		0.019		0.012	
Cl5-BZ#92	MG/KG	0.019		0.024		0.019		0.0061	
Cl5-BZ#95	MG/KG	0.029	J	0.02	J	0.017	J	0.0095	J
Cl5-BZ#97	MG/KG	0.017		0.017		0.0075		0.0055	
Cl5-BZ#99	MG/KG	0.31		0.55		0.27		0.1	

Prepared by: BJS

Checked by: JPC

Revised 9/14/09 JPC

Table 2 Sample Data for Blue Crab (mg/kg wet weight) 2006

	Sample#	NBH06-L-A-1		NBH06-L-B-1		NBH06-L-C-1		NBH06-L-D-1	
CI5-BZ#100	MG/KG	0.012		0.019		0.0083		0.004	
CI5-BZ#101/#84	MG/KG	0.11		0.17		0.1		0.042	
CI5-BZ#104	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
CI5-BZ#105	MG/KG	0.042		0.067		0.05		0.019	
CI5-BZ#107	MG/KG	0.02		0.028		0.019		0.0073	
CI5-BZ#110	MG/KG	0.066		0.047		0.027		0.021	
CI5-BZ#114	MG/KG	0.004		0.0074		0.0048		0.0016	
CI5-BZ#118	MG/KG	0.28		0.47		0.31		0.1	
CI5-BZ#119	MG/KG	0.039		0.05		0.031		0.013	
CI5-BZ#123	MG/KG	0.0087		0.019		0.011		0.0039	
CI5-BZ#124	MG/KG	0.0026		0.0031		0.0018		0.00094	
CI5-BZ#126	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
CI6-BZ#129	MG/KG	0.0011		0.0016		0.00057		0.00036	J
CI6-BZ#130	MG/KG	0.0049		0.0077		0.0036		0.0021	
CI6-BZ#131	MG/KG	0.00072	J	0.001		0.00092	U	0.00025	J
CI6-BZ#132/#168	MG/KG	0.0035		0.0062		0.0031		0.0016	
CI6-BZ#134	MG/KG	0.0062		0.0095		0.0054		0.0024	
CI6-BZ#135/#144	MG/KG	0.0065		0.0057		0.004		0.0026	
CI6-BZ#136	MG/KG	0.0018		0.00094		0.0011		0.00059	
CI6-BZ#137	MG/KG	0.0085		0.021		0.011		0.0037	
CI6-BZ#138/#163	MG/KG	0.13		0.31		0.13		0.054	
CI6-BZ#141	MG/KG	0.0019		0.0036		0.0024		0.0012	
CI6-BZ#146	MG/KG	0.041		0.11		0.046		0.017	
CI6-BZ#147	MG/KG	0.012		0.026		0.009		0.0044	
CI6-BZ#149	MG/KG	0.064		0.12		0.048		0.027	
CI6-BZ#151	MG/KG	0.0041		0.0062		0.0066		0.0014	
CI6-BZ#153	MG/KG	0.24		0.67		0.29		0.1	
CI6-BZ#154	MG/KG	0.012		0.033		0.0095		0.0043	
CI6-BZ#155	MG/KG	0.00018	J	0.0004	J	0.0002	J	0.00009	J
CI6-BZ#156	MG/KG	0.015		0.036		0.02		0.0063	
CI6-BZ#157	MG/KG	0.0022		0.006		0.0031		0.0011	
CI6-BZ#158	MG/KG	0.018		0.036		0.018		0.0075	
CI6-BZ#167/#128	MG/KG	0.031		0.076		0.036		0.013	
CI6-BZ#169	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
CI7-BZ#170/#190	MG/KG	0.0074		0.023		0.0094		0.0036	
CI7-BZ#171	MG/KG	0.0026		0.0073		0.0026		0.0012	
CI7-BZ#172	MG/KG	0.0018		0.005		0.002		0.00089	
CI7-BZ#173	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
CI7-BZ#174	MG/KG	0.0012		0.0018		0.0012		0.00062	
CI7-BZ#175	MG/KG	0.00067		0.00098		0.00062		0.00028	J
CI7-BZ#176	MG/KG	0.00024	J	0.00034	J	0.00024	J	0.00014	J
CI7-BZ#177	MG/KG	0.003		0.0059		0.0023		0.0015	
CI7-BZ#178	MG/KG	0.005		0.013		0.0047		0.002	
CI7-BZ#180	MG/KG	0.017		0.063		0.023		0.0082	
CI7-BZ#182/#187	MG/KG	0.023		0.078		0.026		0.01	
CI7-BZ#183	MG/KG	0.0059		0.02		0.007		0.0029	
CI7-BZ#184	MG/KG	0.00047	U	0.00018	J	0.0001	J	0.00046	U
CI7-BZ#185	MG/KG	0.00025	J	0.00033	J	0.00029	J	0.00012	J
CI7-BZ#188	MG/KG	0.00048		0.0012		0.00053		0.00019	J
CI7-BZ#189	MG/KG	0.00055		0.002		0.00075		0.00027	J
CI7-BZ#191	MG/KG	0.00043	J	0.0016		0.00083		0.00025	J
CI7-BZ#193	MG/KG	0.0014		0.0049		0.002		0.00072	
CI8-BZ#194	MG/KG	0.0013		0.0057		0.0016		0.00072	
CI8-BZ#195	MG/KG	0.00051		0.0016		0.00064		0.0003	J
CI8-BZ#196/203	MG/KG	0.0019		0.0056		0.0026		0.001	
CI8-BZ#197	MG/KG	0.00015	J	0.0004	J	0.00014	J	0.00046	U
CI8-BZ#199	MG/KG	0.00047	U	0.00016	J	0.00046	U	0.00046	U
CI8-BZ#200	MG/KG	0.0005		0.0014		0.00053		0.00028	J
CI8-BZ#201	MG/KG	0.0024		0.0078		0.0026		0.0012	
CI8-BZ#202	MG/KG	0.0014		0.0037		0.0014		0.00062	
CI8-BZ#205	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
CI9-BZ#206	MG/KG	0.00044	J	0.0012		0.00059		0.00046	U
CI9-BZ#207	MG/KG	0.00016	J	0.00047		0.00023	J	0.00012	J

Table 2 Sample Data for Blue Crab (mg/kg wet weight) 2006

	Sample#	NBH06-L-A-1		NBH06-L-B-1		NBH06-L-C-1		NBH06-L-D-1	
CI9-BZ#208	MG/KG	0.00047		0.0012		0.00053		0.00028	J
CI10-BZ#209	MG/KG	0.00015	J	0.00048		0.0002	J	0.00009	J
Aroclor-1232	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Aroclor-1242	MG/KG	0.45		0.00046	U	0.00046	U	0.00046	U
Aroclor-1248	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U
Aroclor-1254	MG/KG	3.6		11		4		1.4	
Aroclor-1260	MG/KG	0.00047	U	0.00046	U	0.00046	U	0.00046	U

Table 3A Sample Data for Quahogs (mg/kg wet weight) Area I 2006

	Sample#	NBH06-SF-A-1		NBH06-SF-B-1		NBH06-SF-C-1		NBH06-SF-D-1		NBH06-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	
Parameter	Units										
Lipids	PERCENT	0.36		0.61		0.46		0.40		0.50	
Total PCB Congeners ¹	MG/KG	0.61	J3	1.4	J4	1.6	J4	1.8	J4	4.1	J4
Total PCB Congeners Hits ²	MG/KG	0.60		1.4		1.6		1.8		4.1	
Total NOAA Congeners ³	MG/KG	0.25	J4	0.59	J4	0.70	J4	0.79	J4	1.7	J4
Total WHO Congeners ⁴	MG/KG	0.030	J3	0.067	J4	0.086	J4	0.097	J4	0.17	J4
Total NOAA / WHO Combined ⁵	MG/KG	0.26	J4	0.60	J4	0.71	J4	0.80	J4	1.7	J4
Total Aroclors ⁶	MG/KG	0.52	J4	3.0	J4	1.4	J4	1.6	J4	3.4	J4
C11-BZ#1	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U
C11-BZ#3	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U
C12-BZ#4/#10	MG/KG	0.0013	U	0.0031	U	0.0034	U	0.0041	U	0.01	
C12-BZ#5/#8	MG/KG	0.0018	U	0.0039		0.0054		0.0073		0.022	
C12-BZ#6	MG/KG	0.0013		0.003		0.0043		0.0063		0.021	
C12-BZ#7	MG/KG	0.00047	U	0.00049		0.00055		0.00069		0.0022	
C12-BZ#12/#13	MG/KG	0.0014		0.0035		0.0044		0.0048		0.013	
C12-BZ#15	MG/KG	0.0024		0.0054		0.006		0.007		0.016	
C13-BZ#16/#32	MG/KG	0.0083		0.02		0.022		0.025		0.062	
C13-BZ#17	MG/KG	0.0076		0.018		0.019		0.022		0.056	
C13-BZ#18	MG/KG	0.016	J	0.04		0.043		0.05		0.12	
C13-BZ#19	MG/KG	0.0011	U	0.0026		0.0028		0.0032		0.0075	
C13-BZ#21/#33	MG/KG	0.0027		0.0064		0.0077		0.0087		0.02	
C13-BZ#22	MG/KG	0.0042		0.01		0.016		0.017		0.037	
C13-BZ#24/#27	MG/KG	0.0028		0.0064		0.0069		0.0078		0.02	
C13-BZ#25	MG/KG	0.015		0.036		0.04		0.046		0.12	
C13-BZ#26	MG/KG	0.025		0.062		0.071		0.084		0.21	
C13-BZ#28/#31	MG/KG	0.069	J	0.16		0.19		0.21		0.49	
C13-BZ#29	MG/KG	0.00047	U	0.00015	J	0.00046	U	0.00017	J	0.00041	J
C13-BZ#37	MG/KG	0.0019		0.0046		0.005		0.0056		0.012	
C14-BZ#40	MG/KG	0.0024		0.0053		0.0057		0.0065		0.015	
C14-BZ#41/#71	MG/KG	0.014		0.032		0.036		0.041		0.093	
C14-BZ#42	MG/KG	0.0052		0.012		0.012		0.013		0.033	
C14-BZ#43/#49	MG/KG	0.047	J	0.12		0.13		0.14		0.35	
C14-BZ#44	MG/KG	0.012		0.031		0.033		0.037		0.089	
C14-BZ#45	MG/KG	0.0016		0.0032		0.0035		0.0041		0.0098	
C14-BZ#46	MG/KG	0.001		0.0026		0.0027		0.0027		0.0086	
C14-BZ#47/#48	MG/KG	0.02		0.046		0.052		0.057		0.14	
C14-BZ#50	MG/KG	0.00021	J	0.00023	J	0.00029	J	0.00031	J	0.00067	
C14-BZ#51	MG/KG	0.0016		0.0037		0.004		0.0046		0.013	
C14-BZ#52	MG/KG	0.048	J	0.11		0.12		0.14		0.35	
C14-BZ#53	MG/KG	0.0038		0.0091		0.0099		0.011		0.028	
C14-BZ#54	MG/KG	0.00013	J	0.00022	J	0.00022	J	0.00024	J	0.00061	
C14-BZ#56/#60	MG/KG	0.0058		0.013		0.017		0.019		0.034	
C14-BZ#63	MG/KG	0.0011		0.0025		0.0032		0.0033		0.0065	
C14-BZ#64	MG/KG	0.0082		0.019		0.021		0.023		0.059	
C14-BZ#66	MG/KG	0.014		0.032		0.04		0.043		0.084	
C14-BZ#70	MG/KG	0.012		0.028		0.035		0.039		0.072	
C14-BZ#74	MG/KG	0.0099		0.023		0.029		0.032		0.063	
C14-BZ#76	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U
C14-BZ#77	MG/KG	0.001		0.0022		0.003		0.0033		0.0064	
C14-BZ#81	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U
C15-BZ#82	MG/KG	0.00083		0.0019		0.0025		0.0025		0.0045	
C15-BZ#83	MG/KG	0.0014		0.003		0.0033		0.0038		0.008	
C15-BZ#85	MG/KG	0.0019		0.0044		0.0053		0.0056		0.0096	
C15-BZ#87	MG/KG	0.0046		0.011		0.013		0.014		0.025	
C15-BZ#89	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U
C15-BZ#91	MG/KG	0.0071		0.017		0.019		0.022		0.055	
C15-BZ#92	MG/KG	0.0058		0.014		0.015		0.016		0.036	
C15-BZ#95	MG/KG	0.013	J	0.03		0.033		0.036		0.088	
C15-BZ#97	MG/KG	0.0059		0.015		0.018		0.021		0.041	
C15-BZ#99	MG/KG	0.022		0.051		0.06		0.068		0.14	

Table 3A Sample Data for Quahogs (mg/kg wet weight) Area I 2006

	Sample#	NBH06-SF-A-1	NBH06-SF-B-1	NBH06-SF-C-1	NBH06-SF-D-1	NBH06-SF-E-1
CI5-BZ#100	MG/KG	0.00095	0.0021	0.0022	0.0025	0.0064
CI5-BZ#101/#84	MG/KG	0.029	0.07	0.081	0.094	0.19
CI5-BZ#104	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00016 J
CI5-BZ#105	MG/KG	0.004	0.0088	0.012	0.013	0.018
CI5-BZ#107	MG/KG	0.0022	0.0047	0.0058	0.0062	0.011
CI5-BZ#110	MG/KG	0.026 J	0.061	0.073	0.083	0.17
CI5-BZ#114	MG/KG	0.00026 J	0.00064	0.0008	0.00095	0.0019
CI5-BZ#118	MG/KG	0.019	0.043	0.055	0.063	0.11
CI5-BZ#119	MG/KG	0.003	0.0066	0.0076	0.0085	0.02
CI5-BZ#123	MG/KG	0.00088	0.0021	0.0025	0.0028	0.0059
CI5-BZ#124	MG/KG	0.00079	0.0016	0.0021	0.0023	0.0042
CI5-BZ#126	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI6-BZ#129	MG/KG	0.00039 J	0.00083	0.001	0.0012	0.0019
CI6-BZ#130	MG/KG	0.00095	0.0021	0.0026	0.0029	0.0044
CI6-BZ#131	MG/KG	0.00095 U	0.00028 J	0.00093 U	0.00087 U	0.00091 J
CI6-BZ#132/#168	MG/KG	0.002	0.0057	0.0063	0.0063	0.011
CI6-BZ#134	MG/KG	0.0014	0.0031	0.0036	0.0039	0.0085
CI6-BZ#135/#144	MG/KG	0.0027	0.0062	0.0069	0.0074	0.016
CI6-BZ#136	MG/KG	0.0016	0.0041	0.0044	0.005	0.012
CI6-BZ#137	MG/KG	0.00085	0.002	0.0026	0.003	0.0047
CI6-BZ#138/#163	MG/KG	0.014 J	0.031	0.039	0.043	0.077
CI6-BZ#141	MG/KG	0.00095	0.0022	0.0028	0.0033	0.0051
CI6-BZ#146	MG/KG	0.0042	0.0096	0.011	0.012	0.023
CI6-BZ#147	MG/KG	0.0014	0.0029	0.0036	0.0038	0.0084
CI6-BZ#149	MG/KG	0.013	0.032	0.037	0.042	0.09
CI6-BZ#151	MG/KG	0.0017	0.0043	0.0047	0.0052	0.012
CI6-BZ#153	MG/KG	0.019	0.044	0.051	0.058	0.11
CI6-BZ#154	MG/KG	0.001	0.0021	0.0024	0.0028	0.0064
CI6-BZ#155	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI6-BZ#156	MG/KG	0.0013	0.0029	0.0041	0.0044	0.0072
CI6-BZ#157	MG/KG	0.0003 J	0.00071	0.00078	0.00084	0.0011
CI6-BZ#158	MG/KG	0.001	0.0022	0.0028	0.0031	0.0064
CI6-BZ#167/#128	MG/KG	0.0028	0.0058	0.0072	0.0082	0.014
CI6-BZ#169	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#170/#190	MG/KG	0.001	0.002	0.0029	0.0029	0.0055
CI7-BZ#171	MG/KG	0.0002 J	0.00048	0.00067	0.00067	0.00096
CI7-BZ#172	MG/KG	0.00026 J	0.00054	0.00072	0.00076	0.0012
CI7-BZ#173	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#174	MG/KG	0.00077	0.0016	0.002	0.0022	0.0035
CI7-BZ#175	MG/KG	0.00009 J	0.00015 J	0.00018 J	0.00016 J	0.00034 J
CI7-BZ#176	MG/KG	0.00047 U	0.00023 J	0.00025 J	0.00028 J	0.00048
CI7-BZ#177	MG/KG	0.00088	0.0017	0.0022	0.0021	0.0037
CI7-BZ#178	MG/KG	0.00045 J	0.00087	0.0011	0.0011	0.0022
CI7-BZ#180	MG/KG	0.0026	0.0053	0.007	0.0072	0.013
CI7-BZ#182/#187	MG/KG	0.0028	0.0063	0.0076	0.0077	0.016
CI7-BZ#183	MG/KG	0.00047	0.0011	0.0013	0.0014	0.0027
CI7-BZ#184	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#185	MG/KG	0.00047 U	0.00011 J	0.00012 J	0.00015 J	0.00027 J
CI7-BZ#188	MG/KG	0.00047 U	0.00009 J	0.00013 J	0.00012 J	0.00029 J
CI7-BZ#189	MG/KG	0.0001 J	0.00018 J	0.00031 J	0.00023 J	0.00046 J
CI7-BZ#191	MG/KG	0.0001 J	0.00013 J	0.00018 J	0.00018 J	0.00034 J
CI7-BZ#193	MG/KG	0.00028 J	0.00051	0.00069	0.00069	0.0013
CI8-BZ#194	MG/KG	0.0004 J	0.00082	0.00095	0.00098	0.0019
CI8-BZ#195	MG/KG	0.00047 U	0.00024 J	0.00033 J	0.00033 J	0.00058
CI8-BZ#196/203	MG/KG	0.00042 J	0.00071 J	0.00098	0.001	0.0019
CI8-BZ#197	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI8-BZ#199	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00022 J
CI8-BZ#200	MG/KG	0.00047 U	0.00017 J	0.0001 J	0.00014 J	0.00032 J
CI8-BZ#201	MG/KG	0.00037 J	0.00086	0.00097	0.0011	0.0017
CI8-BZ#202	MG/KG	0.00021 J	0.00035 J	0.00046 J	0.00048	0.00085
CI8-BZ#205	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00047 U
CI9-BZ#206	MG/KG	0.00018 J	0.0004 J	0.00062	0.00058	0.0011
CI9-BZ#207	MG/KG	0.00047 U	0.00044 U	0.00046 U	0.00043 U	0.00012 J

Table 3A Sample Data for Quahogs (mg/kg wet weight) Area I 2006

	Sample#	NBH06-SF-A-1		NBH06-SF-B-1		NBH06-SF-C-1		NBH06-SF-D-1		NBH06-SF-E-1	
CI9-BZ#208	MG/KG	0.00017	J	0.00023	J	0.0003	J	0.00036	J	0.0006	
CI10-BZ#209	MG/KG	0.00012	J	0.00023	J	0.00027	J	0.00023	J	0.0004	J
Aroclor-1232	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U
Aroclor-1242	MG/KG	0.14		0.34		0.38		0.44		1.1	
Aroclor-1248	MG/KG	0.00047	U	1.8		0.00046	U	0.00043	U	0.00047	U
Aroclor-1254	MG/KG	0.38		0.88		1		1.2		2.3	
Aroclor-1260	MG/KG	0.00047	U	0.00044	U	0.00046	U	0.00043	U	0.00047	U

Table 3B Sample Data for Quahogs (mg/kg wet weight) Area II 2006

	Sample#	NBH06-SF-A-2		NBH06-SF-B-2		NBH06-SF-C-2		NBH06-SF-D-2		NBH06-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	
Parameter	Units										
Lipids	PERCENT	0.32		0.20		0.44		0.28		0.32	
Total PCB Congeners ¹	MG/KG	0.14	J3	0.069	J2	0.49	J3	0.21	J3	0.51	J3
Total PCB Congeners Hits ²	MG/KG	0.13		0.056		0.48		0.20		0.50	
Total NOAA Congeners ³	MG/KG	0.058	J3	0.027	J3	0.21	J4	0.089	J4	0.21	J4
Total WHO Congeners ⁴	MG/KG	0.0091	J2	0.0061	J2	0.028	J3	0.013	J2	0.024	J3
Total NOAA / WHO Combined ⁵	MG/KG	0.060	J3	0.029	J3	0.21	J4	0.091	J3	0.22	J4
Total Aroclors ⁶	MG/KG	0.00044	U	0.00044	U	0.47	J4	0.17	J4	0.46	J4
Cl1-BZ#1	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl1-BZ#3	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl2-BZ#4/#10	MG/KG	0.00088	U	0.00088	U	0.0017	U	0.00094	U	0.0013	U
Cl2-BZ#5/#8	MG/KG	0.00088	U	0.00088	U	0.0019	U	0.00094	U	0.0022	
Cl2-BZ#6	MG/KG	0.00049		0.00044	U	0.0011		0.00047	U	0.0019	
Cl2-BZ#7	MG/KG	0.00044	U	0.00044	U	0.00034	J	0.00047	U	0.00044	U
Cl2-BZ#12/#13	MG/KG	0.00023	J	0.00088	U	0.00053	J	0.00022	J	0.00096	
Cl2-BZ#15	MG/KG	0.00033	J	0.00011	J	0.0016		0.00056		0.0017	
Cl3-BZ#16/#32	MG/KG	0.0015		0.00088	U	0.0062		0.0018		0.0064	
Cl3-BZ#17	MG/KG	0.0012		0.00044	U	0.0053		0.0018		0.0058	
Cl3-BZ#18	MG/KG	0.0028		0.00062		0.012		0.0041		0.013	
Cl3-BZ#19	MG/KG	0.00044	U	0.00044	U	0.001	U	0.00047	U	0.00088	U
Cl3-BZ#21/#33	MG/KG	0.00052	J	0.00028	J	0.0025		0.00082	J	0.0024	
Cl3-BZ#22	MG/KG	0.0012		0.00044	U	0.0045		0.0013		0.0036	
Cl3-BZ#24/#27	MG/KG	0.00088	U	0.00088	U	0.0019		0.00094	U	0.0022	
Cl3-BZ#25	MG/KG	0.0025		0.00051		0.0082		0.004		0.013	
Cl3-BZ#26	MG/KG	0.0043		0.00096		0.015		0.0061		0.02	
Cl3-BZ#28/#31	MG/KG	0.01		0.0031		0.043		0.018		0.054	
Cl3-BZ#29	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl3-BZ#37	MG/KG	0.00019	J	0.00044	U	0.0014		0.0005		0.0013	
Cl4-BZ#40	MG/KG	0.0006		0.00031	J	0.0019		0.00081		0.0019	
Cl4-BZ#41/#71	MG/KG	0.0026		0.00084	J	0.01		0.0038		0.011	
Cl4-BZ#42	MG/KG	0.00081		0.00029	J	0.0031		0.0016		0.0036	
Cl4-BZ#43/#49	MG/KG	0.0086		0.0026		0.033		0.014		0.038	
Cl4-BZ#44	MG/KG	0.0025		0.00088		0.0098		0.0041		0.01	
Cl4-BZ#45	MG/KG	0.00035	J	0.00012	J	0.0012		0.00044	J	0.0012	
Cl4-BZ#46	MG/KG	0.00044	U	0.00044	U	0.00057		0.00027	J	0.00085	
Cl4-BZ#47/#48	MG/KG	0.0039		0.0012		0.015		0.0064		0.016	
Cl4-BZ#50	MG/KG	0.00044	U	0.00044	U	0.00015	J	0.00047	U	0.00016	J
Cl4-BZ#51	MG/KG	0.00034	J	0.00044	U	0.0012		0.00045	J	0.0014	
Cl4-BZ#52	MG/KG	0.0099		0.0029		0.039		0.016		0.04	
Cl4-BZ#53	MG/KG	0.00067	U	0.00044	U	0.0029		0.001		0.003	
Cl4-BZ#54	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl4-BZ#56/#60	MG/KG	0.0012		0.00054	J	0.0051		0.0018		0.0044	
Cl4-BZ#63	MG/KG	0.00025	J	0.00044	U	0.00087		0.00035	J	0.00091	
Cl4-BZ#64	MG/KG	0.0014		0.00046		0.0057		0.0021		0.0062	
Cl4-BZ#66	MG/KG	0.0028		0.0015		0.011		0.0042		0.01	
Cl4-BZ#70	MG/KG	0.0024		0.0012		0.01		0.004		0.0091	
Cl4-BZ#74	MG/KG	0.0018		0.00069		0.0072		0.0027		0.0075	
Cl4-BZ#76	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl4-BZ#77	MG/KG	0.00044	U	0.00044	U	0.0007		0.00047	U	0.00044	
Cl4-BZ#81	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl5-BZ#82	MG/KG	0.00034	J	0.00044	U	0.00087		0.00044	J	0.00074	
Cl5-BZ#83	MG/KG	0.00043	J	0.00022	J	0.0013		0.00055		0.0011	
Cl5-BZ#85	MG/KG	0.00059		0.00043	J	0.002		0.00089		0.0015	
Cl5-BZ#87	MG/KG	0.0012		0.00065		0.0054		0.0017		0.0044	
Cl5-BZ#89	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Cl5-BZ#91	MG/KG	0.0016		0.00058		0.0055		0.0023		0.0062	
Cl5-BZ#92	MG/KG	0.0017		0.00091		0.0056		0.0025		0.0053	
Cl5-BZ#95	MG/KG	0.0031		0.0013		0.012		0.005		0.011	
Cl5-BZ#97	MG/KG	0.0017		0.00096		0.0059		0.0026		0.0054	
Cl5-BZ#99	MG/KG	0.0057		0.0027		0.018		0.0081		0.019	
Cl5-BZ#100	MG/KG	0.00022	J	0.00044	U	0.00071		0.00037	J	0.00087	
Cl5-BZ#101/#84	MG/KG	0.0081		0.0042		0.026		0.012		0.025	

Table 3B Sample Data for Quahogs (mg/kg wet weight) Area II 2006

	Sample#	NBH06-SF-A-2	NBH06-SF-B-2	NBH06-SF-C-2	NBH06-SF-D-2	NBH06-SF-E-2
CI5-BZ#104	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI5-BZ#105	MG/KG	0.0011	0.00067	0.0042	0.0017	0.0032
CI5-BZ#107	MG/KG	0.00077	0.0005	0.0021	0.001	0.0019
CI5-BZ#110	MG/KG	0.0063	0.0029	0.022	0.0094	0.022
CI5-BZ#114	MG/KG	0.00044 U	0.0001 J	0.0003 J	0.00047 U	0.0003 J
CI5-BZ#118	MG/KG	0.005	0.003	0.016	0.0069	0.015
CI5-BZ#119	MG/KG	0.00071	0.00026 J	0.0025	0.001	0.0025
CI5-BZ#123	MG/KG	0.00016 J	0.00012 J	0.0009	0.00038 J	0.00075
CI5-BZ#124	MG/KG	0.00044 U	0.00012 J	0.00073	0.0003 J	0.00064
CI5-BZ#126	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI6-BZ#129	MG/KG	0.00012 J	0.00044 U	0.00043 J	0.00021 J	0.00036 J
CI6-BZ#130	MG/KG	0.00042 J	0.00036 J	0.0013	0.00055	0.00089
CI6-BZ#131	MG/KG	0.00088 U	0.00088 U	0.00013 J	0.00094 U	0.00088 U
CI6-BZ#132/#168	MG/KG	0.00097	0.0006 J	0.0033	0.0013	0.0023
CI6-BZ#134	MG/KG	0.0005	0.00023 J	0.0014	0.00075	0.0013
CI6-BZ#135/#144	MG/KG	0.00087 J	0.00051 J	0.0029	0.0014	0.0026
CI6-BZ#136	MG/KG	0.00054	0.00022 J	0.0017	0.00073	0.0017
CI6-BZ#137	MG/KG	0.00029 J	0.00019 J	0.001	0.0004 J	0.00079
CI6-BZ#138/#163	MG/KG	0.0049	0.0031	0.015	0.0069	0.013
CI6-BZ#141	MG/KG	0.00031 J	0.00014 J	0.0012	0.00048	0.00089
CI6-BZ#146	MG/KG	0.0016	0.00091	0.0044	0.0022	0.004
CI6-BZ#147	MG/KG	0.00034 J	0.0002 J	0.0011	0.00056	0.0012
CI6-BZ#149	MG/KG	0.0038	0.0019	0.013	0.0058	0.013
CI6-BZ#151	MG/KG	0.00061	0.00033 J	0.0018	0.00087	0.0019
CI6-BZ#153	MG/KG	0.0063	0.0039	0.019	0.0091	0.017
CI6-BZ#154	MG/KG	0.0003 J	0.00012 J	0.00077	0.00039 J	0.00084
CI6-BZ#155	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI6-BZ#156	MG/KG	0.00049	0.00027 J	0.0016	0.00059	0.0012
CI6-BZ#157	MG/KG	0.00009 J	0.00044 U	0.00028 J	0.0002 J	0.00024 J
CI6-BZ#158	MG/KG	0.00034 J	0.00014 J	0.0011	0.00047	0.00096
CI6-BZ#167/#128	MG/KG	0.00096	0.00063 J	0.003	0.0014	0.0023
CI6-BZ#169	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#170/#190	MG/KG	0.00043 J	0.00036 J	0.0011	0.00062 J	0.00097
CI7-BZ#171	MG/KG	0.00012 J	0.00044 U	0.00028 J	0.00014 J	0.00024 J
CI7-BZ#172	MG/KG	0.00044 U	0.00044 U	0.00039 J	0.00015 J	0.00031 J
CI7-BZ#173	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#174	MG/KG	0.00034 J	0.00031 J	0.00086	0.00034 J	0.00074
CI7-BZ#175	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#176	MG/KG	0.00044 U	0.00044 U	0.00012 J	0.00047 U	0.00014 J
CI7-BZ#177	MG/KG	0.00041 J	0.00025 J	0.0011	0.00051	0.00088
CI7-BZ#178	MG/KG	0.00023 J	0.00011 J	0.00053	0.00025 J	0.00043 J
CI7-BZ#180	MG/KG	0.001	0.00065	0.0029	0.0012	0.0024
CI7-BZ#182/#187	MG/KG	0.0011	0.00069 J	0.0029	0.0014	0.0028
CI7-BZ#183	MG/KG	0.00019 J	0.00013 J	0.00061	0.00022 J	0.00044
CI7-BZ#184	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#185	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#188	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#189	MG/KG	0.00044 U	0.00044 U	0.00016 J	0.00047 U	0.00044 U
CI7-BZ#191	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI7-BZ#193	MG/KG	0.00011 J	0.00014 J	0.00028 J	0.00047 U	0.00023 J
CI8-BZ#194	MG/KG	0.00031 J	0.00044 U	0.00052	0.00023 J	0.00034 J
CI8-BZ#195	MG/KG	0.00044 U	0.00044 U	0.00012 J	0.00047 U	0.00044 U
CI8-BZ#196/203	MG/KG	0.00027 J	0.00017 J	0.00039 J	0.00016 J	0.00036 J
CI8-BZ#197	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI8-BZ#199	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI8-BZ#200	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI8-BZ#201	MG/KG	0.00036 J	0.00013 J	0.00049	0.00033 J	0.00039 J
CI8-BZ#202	MG/KG	0.00012 J	0.00044 U	0.00015 J	0.00011 J	0.00017 J
CI8-BZ#205	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI9-BZ#206	MG/KG	0.00027 J	0.00016 J	0.00031 J	0.0002 J	0.00044 U
CI9-BZ#207	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
CI9-BZ#208	MG/KG	0.00044 U	0.00044 U	0.00025 J	0.00047 U	0.0002 J
CI10-BZ#209	MG/KG	0.00012 J	0.00044 U	0.00013 J	0.0001 J	0.00044 U
Aroclor-1232	MG/KG	0.00044 U	0.00044 U	0.00048 U	0.00047 U	0.00044 U
Aroclor-1242	MG/KG	0.00044 U	0.00044 U	0.1	0.00047 U	0.12

Table 3B Sample Data for Quahogs (mg/kg wet weight) Area II 2006

	Sample#	NBH06-SF-A-2		NBH06-SF-B-2		NBH06-SF-C-2		NBH06-SF-D-2		NBH06-SF-E-2	
Aroclor-1248	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U
Aroclor-1254	MG/KG	0.00044	U	0.00044	U	0.37		0.17		0.34	
Aroclor-1260	MG/KG	0.00044	U	0.00044	U	0.00048	U	0.00047	U	0.00044	U

Table 3C Sample Data for Quahogs (mg/kg wet weight) Area III 2006

	Sample#	NBH06-SF-A-3		NBH06-SF-B-3		NBH06-SF-C-3		NBH06-SF-D-3		NBH06-SF-E-3	
	Species	Quahogs		Quahogs		Quahogs		Quahogs		Quahogs	
	Area	III		III		III		III		III	
	Station	Station A		Station B		Station C		Station D		Station E	
Parameter	Units										
Lipids	PERCENT	0.32		0.36		0.34		0.29		0.41	
Total PCB Congeners ¹	MG/KG	0.20	J3	0.20	J3	0.077	J2	0.027	J1	0.031	J1
Total PCB Congeners Hits ²	MG/KG	0.19		0.19		0.064		0.0020		0.00095	
Total NOAA Congeners ³	MG/KG	0.084	J3	0.084	J4	0.030	J3	0.0042	J1	0.0048	J1
Total WHO Congeners ⁴	MG/KG	0.012	J2	0.013	J3	0.0050	J2	0.0027	J1	0.003	U
Total NOAA / WHO Combined ⁵	MG/KG	0.086	J3	0.086	J3	0.032	J3	0.0062	J1	0.0068	J1
Total Aroclors ⁶	MG/KG	0.19	J4	0.20	J4	0.00045	U	0.00043	U	0.00046	U
Cl1-BZ#1	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl1-BZ#3	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl2-BZ#4/#10	MG/KG	0.00093	U	0.00085	U	0.0009	U	0.00086	U	0.00093	U
Cl2-BZ#5/#8	MG/KG	0.00093	U	0.00085	U	0.0009	U	0.00086	U	0.00093	U
Cl2-BZ#6	MG/KG	0.00025	J	0.00017	J	0.00045	U	0.00043	U	0.00046	U
Cl2-BZ#7	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl2-BZ#12/#13	MG/KG	0.00026	J	0.0002	J	0.0001	J	0.00086	U	0.00093	U
Cl2-BZ#15	MG/KG	0.00053		0.00051		0.00025	J	0.00043	U	0.00046	U
Cl3-BZ#16/#32	MG/KG	0.0019		0.0015		0.0009	U	0.00086	U	0.00093	U
Cl3-BZ#17	MG/KG	0.0016		0.0014		0.00065	U	0.00043	U	0.00046	U
Cl3-BZ#18	MG/KG	0.0035		0.003		0.0014		0.00043	U	0.00046	U
Cl3-BZ#19	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl3-BZ#21/#33	MG/KG	0.00065	J	0.00069	J	0.0003	J	0.00086	U	0.00093	U
Cl3-BZ#22	MG/KG	0.0019		0.0017		0.00042	J	0.00043	U	0.00046	U
Cl3-BZ#24/#27	MG/KG	0.00093	U	0.00085	U	0.0009	U	0.00086	U	0.00093	U
Cl3-BZ#25	MG/KG	0.0038		0.0029		0.0014		0.00043	U	0.00046	U
Cl3-BZ#26	MG/KG	0.0061		0.0056		0.0021		0.00043	U	0.00046	U
Cl3-BZ#28/#31	MG/KG	0.018		0.016		0.0062		0.00086	U	0.00093	U
Cl3-BZ#29	MG/KG	0.00009	J	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl3-BZ#37	MG/KG	0.00048		0.00057		0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#40	MG/KG	0.00067		0.00078		0.00039	J	0.00043	U	0.00046	U
Cl4-BZ#41/#71	MG/KG	0.0037		0.0038		0.0013		0.00009	J	0.00093	U
Cl4-BZ#42	MG/KG	0.0013		0.0016		0.00038	J	0.00043	U	0.00046	U
Cl4-BZ#43/#49	MG/KG	0.013		0.013		0.0044		0.00086	U	0.00093	U
Cl4-BZ#44	MG/KG	0.0038		0.0038		0.0013		0.00011	J	0.00046	U
Cl4-BZ#45	MG/KG	0.00043	J	0.00041	J	0.00016	J	0.00043	U	0.00046	U
Cl4-BZ#46	MG/KG	0.00018	J	0.0003	J	0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#47/#48	MG/KG	0.0065		0.0061		0.0021		0.0001	J	0.00093	U
Cl4-BZ#50	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#51	MG/KG	0.00036	J	0.00031	J	0.00016	J	0.00043	U	0.00046	U
Cl4-BZ#52	MG/KG	0.015		0.014		0.0051		0.00043	U	0.00046	U
Cl4-BZ#53	MG/KG	0.00092		0.00088		0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#54	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#56/#60	MG/KG	0.0017		0.0018		0.0005	J	0.00086	U	0.00093	U
Cl4-BZ#63	MG/KG	0.00046		0.00041	J	0.00018	J	0.00043	U	0.00046	U
Cl4-BZ#64	MG/KG	0.0021		0.0021		0.0007		0.00043	U	0.00046	U
Cl4-BZ#66	MG/KG	0.0042		0.0045		0.0013		0.00009	J	0.00046	U
Cl4-BZ#70	MG/KG	0.004		0.0041		0.0012		0.00009	J	0.00046	U
Cl4-BZ#74	MG/KG	0.0027		0.0029		0.00094		0.00043	U	0.00046	U
Cl4-BZ#76	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#77	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl4-BZ#81	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl5-BZ#82	MG/KG	0.00036	J	0.00045		0.00045	U	0.00043	U	0.00046	U
Cl5-BZ#83	MG/KG	0.00056		0.00068		0.00045	U	0.00043	U	0.00046	U
Cl5-BZ#85	MG/KG	0.00089		0.00084		0.00031	J	0.00043	U	0.00046	U
Cl5-BZ#87	MG/KG	0.0017		0.002		0.00063		0.00043	U	0.00046	U
Cl5-BZ#89	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Cl5-BZ#91	MG/KG	0.0024		0.0022		0.00077		0.00043	U	0.00046	U
Cl5-BZ#92	MG/KG	0.0024		0.0025		0.00086		0.00043	U	0.00046	U
Cl5-BZ#95	MG/KG	0.0048		0.0047		0.0018		0.00012	J	0.00046	U
Cl5-BZ#97	MG/KG	0.0026		0.0028		0.0008		0.00043	U	0.00046	U
Cl5-BZ#99	MG/KG	0.008		0.0084		0.0027		0.00043	U	0.00046	U
Cl5-BZ#100	MG/KG	0.00035	J	0.00031	J	0.00013	J	0.00043	U	0.00046	U
Cl5-BZ#101/#84	MG/KG	0.011		0.012		0.004		0.00028	J	0.00019	J

Table 3C Sample Data for Quahogs (mg/kg wet weight) Area III 2006

	Sample#	NBH06-SF-A-3	NBH06-SF-B-3	NBH06-SF-C-3	NBH06-SF-D-3	NBH06-SF-E-3
CI5-BZ#104	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI5-BZ#105	MG/KG	0.0014	0.0017	0.00044 J	0.00043 U	0.00046 U
CI5-BZ#107	MG/KG	0.00097	0.001	0.00027 J	0.00043 U	0.00046 U
CI5-BZ#110	MG/KG	0.0086	0.0093	0.003	0.00015 J	0.00046 U
CI5-BZ#114	MG/KG	0.00046 U	0.00015 J	0.00045 U	0.00043 U	0.00046 U
CI5-BZ#118	MG/KG	0.0066	0.0071	0.0022	0.00015 J	0.00046 U
CI5-BZ#119	MG/KG	0.00099	0.0011	0.00039 J	0.00043 U	0.00046 U
CI5-BZ#123	MG/KG	0.00034 J	0.00042 J	0.0001 J	0.00043 U	0.00046 U
CI5-BZ#124	MG/KG	0.00023 J	0.00032 J	0.00045 U	0.00043 U	0.00046 U
CI5-BZ#126	MG/KG	0.00046 U	0.00043 U	0.00009 J	0.00043 U	0.00046 U
CI6-BZ#129	MG/KG	0.00019 J	0.00022 J	0.00045 U	0.00043 U	0.00046 U
CI6-BZ#130	MG/KG	0.0005	0.00055	0.00022 J	0.00043 U	0.00046 U
CI6-BZ#131	MG/KG	0.00093 U	0.00085 U	0.0009 U	0.00086 U	0.00093 U
CI6-BZ#132/#168	MG/KG	0.0013	0.0013	0.00038 J	0.00086 U	0.00093 U
CI6-BZ#134	MG/KG	0.00058	0.00066	0.00025 J	0.00043 U	0.00046 U
CI6-BZ#135/#144	MG/KG	0.0013	0.0013	0.00044 J	0.00086 U	0.00093 U
CI6-BZ#136	MG/KG	0.00069	0.00076	0.0003 J	0.00043 U	0.00046 U
CI6-BZ#137	MG/KG	0.00037 J	0.00043	0.00013 J	0.00043 U	0.00046 U
CI6-BZ#138/#163	MG/KG	0.0063	0.0071	0.0024	0.00021 J	0.00029 J
CI6-BZ#141	MG/KG	0.00046	0.00042 J	0.00016 J	0.00043 U	0.00046 U
CI6-BZ#146	MG/KG	0.0019	0.0021	0.00073 J	0.00014 J	0.00093 U
CI6-BZ#147	MG/KG	0.00054	0.00055	0.00021 J	0.00043 U	0.00046 U
CI6-BZ#149	MG/KG	0.0057	0.006	0.0019	0.00013 J	0.00012 J
CI6-BZ#151	MG/KG	0.00084	0.00083	0.00032 J	0.00043 U	0.00046 U
CI6-BZ#153	MG/KG	0.0088	0.0093	0.0029	0.00028 J	0.00024 J
CI6-BZ#154	MG/KG	0.00034 J	0.00035 J	0.00012 J	0.00043 U	0.00046 U
CI6-BZ#155	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI6-BZ#156	MG/KG	0.00051	0.00055	0.00026 J	0.00043 U	0.00046 U
CI6-BZ#157	MG/KG	0.00015 J	0.00012 J	0.00045 U	0.00043 U	0.00046 U
CI6-BZ#158	MG/KG	0.00042 J	0.00045	0.00014 J	0.00043 U	0.00046 U
CI6-BZ#167/#128	MG/KG	0.0014	0.0014	0.00054 J	0.00086 U	0.00093 U
CI6-BZ#169	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#170/#190	MG/KG	0.00055 J	0.00052 J	0.00019 J	0.00086 U	0.00093 U
CI7-BZ#171	MG/KG	0.00019 J	0.00018 J	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#172	MG/KG	0.00013 J	0.00019 J	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#173	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#174	MG/KG	0.00035 J	0.00038 J	0.00019 J	0.00043 U	0.00046 U
CI7-BZ#175	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#176	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#177	MG/KG	0.00041 J	0.00049	0.0002 J	0.00043 U	0.00046 U
CI7-BZ#178	MG/KG	0.00024 J	0.00032 J	0.00013 J	0.00043 U	0.00046 U
CI7-BZ#180	MG/KG	0.0011	0.0011	0.00047	0.00043 U	0.00046 U
CI7-BZ#182/#187	MG/KG	0.0012	0.0014	0.00055 J	0.0001 J	0.00011 J
CI7-BZ#183	MG/KG	0.00019 J	0.00026 J	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#184	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#185	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#188	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#189	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#191	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI7-BZ#193	MG/KG	0.00012 J	0.00015 J	0.00011 J	0.00043 U	0.00046 U
CI8-BZ#194	MG/KG	0.00013 J	0.00024 J	0.0001 J	0.00043 U	0.00046 U
CI8-BZ#195	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI8-BZ#196/203	MG/KG	0.00022 J	0.0002 J	0.0009 U	0.00086 U	0.00093 U
CI8-BZ#197	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI8-BZ#199	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI8-BZ#200	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI8-BZ#201	MG/KG	0.0002 J	0.00015 J	0.0001 J	0.00043 U	0.00046 U
CI8-BZ#202	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI8-BZ#205	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI9-BZ#206	MG/KG	0.00046 U	0.00026 J	0.00045 U	0.00043 U	0.00046 U
CI9-BZ#207	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI9-BZ#208	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
CI10-BZ#209	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
Aroclor-1232	MG/KG	0.00046 U	0.00043 U	0.00045 U	0.00043 U	0.00046 U
Aroclor-1242	MG/KG	0.03	0.027	0.00045 U	0.00043 U	0.00046 U

Table 3C Sample Data for Quahogs (mg/kg wet weight) Area III 2006

	Sample#	NBH06-SF-A-3		NBH06-SF-B-3		NBH06-SF-C-3		NBH06-SF-D-3		NBH06-SF-E-3	
Aroclor-1248	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U
Aroclor-1254	MG/KG	0.16		0.17		0.00045	U	0.00043	U	0.00046	U
Aroclor-1260	MG/KG	0.00046	U	0.00043	U	0.00045	U	0.00043	U	0.00046	U

Table 4 Sample Data for Eel (mg/kg wet weight) 2006

	Sample#	NBH06-FF-A-1	NBH06-FF-B-1	NBH06-FF-C-1	NBH06-FF-D-1	NBH06-FF-E-1	NBH06-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
Parameter	Units						
Lipids	PERCENT	15	9.2	19	8.7	17	16
Total PCB Congeners ¹	MG/KG	81 J4	69 J4	37 J4	70 J4	55 J4	31 J4
Total PCB Congeners Hits ²	MG/KG	81	69	37	70	55	31
Total NOAA Congeners ³	MG/KG	37 J4	33 J4	19 J4	33 J4	27 J4	16 J4
Total WHO Congeners ⁴	MG/KG	6.8 J4	6.9 J4	4.1 J4	6.7 J4	5.5 J4	4.0 J4
Total NOAA / WHO Combined ⁵	MG/KG	37 J4	34 J4	19 J4	34 J4	28 J4	17 J4
Total Aroclors ⁶	MG/KG	220 J4	216 J4	100 J4	217 J4	140 J4	85 J4
Cl1-BZ#1	MG/KG	0.00056	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl1-BZ#3	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl2-BZ#4/#10	MG/KG	0.039	0.027	0.014	0.025	0.015	0.0078
Cl2-BZ#5/#8	MG/KG	0.027 J	0.018 J	0.007 J	0.018 J	0.0062 J	0.0046 J
Cl2-BZ#6	MG/KG	0.022	0.014	0.0044	0.014	0.0047	0.003
Cl2-BZ#7	MG/KG	0.0013	0.001	0.00046 U	0.00087	0.00043 U	0.00048 U
Cl2-BZ#12/#13	MG/KG	0.0052	0.0047	0.0021	0.0033	0.0025	0.0026
Cl2-BZ#15	MG/KG	0.0078	0.006	0.0036	0.0054	0.004	0.0045
Cl3-BZ#16/#32	MG/KG	0.35	0.15	0.094	0.22	0.12	0.091
Cl3-BZ#17	MG/KG	0.06	0.035	0.021	0.039	0.024	0.017
Cl3-BZ#18	MG/KG	0.2 J	0.11 J	0.073 J	0.14 J	0.094 J	0.049 J
Cl3-BZ#19	MG/KG	0.047	0.032	0.014	0.038	0.017	0.012
Cl3-BZ#21/#33	MG/KG	0.044	0.028	0.019	0.032	0.021	0.018
Cl3-BZ#22	MG/KG	0.2	0.12	0.082	0.14	0.11	0.082
Cl3-BZ#24/#27	MG/KG	0.032	0.017	0.012	0.021	0.016	0.0079
Cl3-BZ#25	MG/KG	0.19	0.15	0.069	0.12	0.088	0.11
Cl3-BZ#26	MG/KG	0.72	0.48	0.34	0.4	0.54	0.46
Cl3-BZ#28/#31	MG/KG	1.5 J	1 J	0.79 J	1 J	1.2 J	1.2 J
Cl3-BZ#29	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl3-BZ#37	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl4-BZ#40	MG/KG	0.15	0.098	0.065	0.13	0.11	0.057
Cl4-BZ#41/#71	MG/KG	2.4	1.7	0.87	1.8	1.4	0.72
Cl4-BZ#42	MG/KG	0.87	0.56	0.31	0.64	0.47	0.22
Cl4-BZ#43/#49	MG/KG	8.7	6.9	2.5	7.1	4.4	1.6
Cl4-BZ#44	MG/KG	1.9 J	1.4 J	0.66 J	1.5 J	1.2 J	0.49 J
Cl4-BZ#45	MG/KG	0.046	0.031	0.018	0.038	0.021	0.012
Cl4-BZ#46	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl4-BZ#47/#48	MG/KG	4.2	3.1	1.4	3.1	2	1.1
Cl4-BZ#50	MG/KG	0.00093	0.00056	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl4-BZ#51	MG/KG	0.072	0.03	0.023	0.042	0.027	0.017
Cl4-BZ#52	MG/KG	10	7.4	3.8	6.9	6.3	2.6
Cl4-BZ#53	MG/KG	0.18	0.086	0.052	0.13	0.076	0.037
Cl4-BZ#54	MG/KG	0.0016	0.0014	0.0007	0.0012	0.00097	0.00067
Cl4-BZ#56/#60	MG/KG	0.26 J	0.22 J	0.16 J	0.26 J	0.21 J	0.14 J
Cl4-BZ#63	MG/KG	0.09	0.074	0.052	0.089	0.073	0.05
Cl4-BZ#64	MG/KG	0.062	0.022	0.017	0.043	0.036	0.021
Cl4-BZ#66	MG/KG	1.3	1.1	0.8	1.3	1.2	0.7
Cl4-BZ#70	MG/KG	0.046	0.037	0.034	0.042	0.05	0.069
Cl4-BZ#74	MG/KG	0.88 J	0.68 J	0.54 J	0.79 J	0.76 J	0.48 J
Cl4-BZ#76	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl4-BZ#77	MG/KG	0.00047 UJ	0.00047 UJ	0.00046 UJ	0.00048 UJ	0.00043 UJ	0.00048 UJ
Cl4-BZ#81	MG/KG	0.00047 UJ	0.00047 UJ	0.00046 UJ	0.00048 UJ	0.00043 UJ	0.00048 UJ
Cl5-BZ#82	MG/KG	0.076	0.059	0.044	0.089	0.076	0.03
Cl5-BZ#83	MG/KG	0.18	0.13	0.087	0.14	0.14	0.065
Cl5-BZ#85	MG/KG	0.34	0.33	0.2	0.38	0.26	0.16
Cl5-BZ#87	MG/KG	0.65 J	0.63 J	0.38 J	0.68 J	0.61 J	0.36 J
Cl5-BZ#89	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Cl5-BZ#91	MG/KG	1.4	0.96	0.49	1	0.8	0.35
Cl5-BZ#92	MG/KG	0.85	0.6	0.46	0.63	0.77	0.36
Cl5-BZ#95	MG/KG	1.6 J	1 J	0.65 J	1.2 J	1.1 J	0.45 J
Cl5-BZ#97	MG/KG	1.1	0.87	0.5	0.78	0.8	0.35
Cl5-BZ#99	MG/KG	5.7	5.5	2.7	5.5	3.9	2.4

Table 4 Sample Data for Eel (mg/kg wet weight) 2006

	Sample#	NBH06-FF-A-1	NBH06-FF-B-1	NBH06-FF-C-1	NBH06-FF-D-1	NBH06-FF-E-1	NBH06-FF-C-2
CI5-BZ#100	MG/KG	0.18	0.16	0.066	0.15	0.092	0.044
CI5-BZ#101/#84	MG/KG	5.7	5.7	3	5.8	4.5	2.1
CI5-BZ#104	MG/KG	0.00023 J	0.00047 U	0.00046 U	0.00025 J	0.00043 U	0.00048 U
CI5-BZ#105	MG/KG	0.7	0.73	0.51	0.74	0.67	0.52
CI5-BZ#107	MG/KG	0.086	0.079	0.065	0.097	0.093	0.063
CI5-BZ#110	MG/KG	4.1 J	3.2 J	1.8 J	3.6 J	3 J	1.3 J
CI5-BZ#114	MG/KG	0.07	0.074	0.038	0.078	0.048	0.035
CI5-BZ#118	MG/KG	4.7	4.8	2.8	4.7	3.8	2.7
CI5-BZ#119	MG/KG	0.52	0.41	0.22	0.43	0.31	0.16
CI5-BZ#123	MG/KG	0.2	0.21	0.11	0.21	0.15	0.092
CI5-BZ#124	MG/KG	0.02	0.016	0.013	0.019	0.019	0.012
CI5-BZ#126	MG/KG	0.0057	0.0044	0.005	0.0059	0.0052	0.0037
CI6-BZ#129	MG/KG	0.048	0.04	0.017	0.054	0.02	0.016
CI6-BZ#130	MG/KG	0.17	0.2	0.1	0.2	0.14	0.1
CI6-BZ#131	MG/KG	0.024	0.025	0.012	0.024	0.016	0.0086
CI6-BZ#132/#168	MG/KG	0.2	0.16	0.14	0.21	0.22	0.1
CI6-BZ#134	MG/KG	0.28	0.28	0.13	0.28	0.19	0.1
CI6-BZ#135/#144	MG/KG	0.25	0.22	0.14	0.26	0.21	0.098
CI6-BZ#136	MG/KG	0.22	0.19	0.095	0.2	0.16	0.058
CI6-BZ#137	MG/KG	0.19	0.22	0.098	0.22	0.12	0.1
CI6-BZ#138/#163	MG/KG	3.2	3.3	1.9	3.2	2.6	1.8
CI6-BZ#141	MG/KG	0.21	0.23	0.1	0.24	0.12	0.11
CI6-BZ#146	MG/KG	0.8	0.8	0.46	0.78	0.59	0.42
CI6-BZ#147	MG/KG	0.32	0.33	0.15	0.32	0.2	0.12
CI6-BZ#149	MG/KG	2.4 J	2 J	1.2 J	2.1 J	1.9 J	0.88 J
CI6-BZ#151	MG/KG	0.28	0.22	0.12	0.3	0.2	0.084
CI6-BZ#153	MG/KG	5.4	5.5	3.2	5.5	4.2	3
CI6-BZ#154	MG/KG	0.24	0.25	0.11	0.24	0.15	0.083
CI6-BZ#155	MG/KG	0.0025	0.0027	0.0014	0.0026	0.0018	0.00096
CI6-BZ#156	MG/KG	0.34	0.3	0.19	0.28	0.23	0.19
CI6-BZ#157	MG/KG	0.055	0.064	0.035	0.065	0.043	0.035
CI6-BZ#158	MG/KG	0.38	0.38	0.22	0.38	0.29	0.2
CI6-BZ#167/#128	MG/KG	0.73	0.68	0.44	0.65	0.56	0.42
CI6-BZ#169	MG/KG	0.00054	0.00047 U	0.00046 U	0.00057	0.00043 U	0.00048 U
CI7-BZ#170/#190	MG/KG	0.27	0.3	0.13	0.3	0.14	0.13
CI7-BZ#171	MG/KG	0.071	0.078	0.04	0.079	0.052	0.037
CI7-BZ#172	MG/KG	0.044	0.046	0.019	0.047	0.02	0.021
CI7-BZ#173	MG/KG	0.0027	0.0024	0.00046 U	0.0028	0.00043 U	0.00048 U
CI7-BZ#174	MG/KG	0.063	0.052	0.029	0.061	0.034	0.028
CI7-BZ#175	MG/KG	0.012	0.012	0.0077	0.013	0.01	0.0075
CI7-BZ#176	MG/KG	0.0098	0.0094	0.0054	0.012	0.0079	0.0034
CI7-BZ#177	MG/KG	0.11	0.11	0.063	0.12	0.086	0.06
CI7-BZ#178	MG/KG	0.084	0.088	0.046	0.09	0.057	0.04
CI7-BZ#180	MG/KG	0.51	0.5	0.26	0.52	0.28	0.27
CI7-BZ#182/#187	MG/KG	0.54	0.57	0.3	0.58	0.37	0.27
CI7-BZ#183	MG/KG	0.17	0.18	0.1	0.18	0.12	0.093
CI7-BZ#184	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
CI7-BZ#185	MG/KG	0.0092	0.0086	0.0041	0.01	0.0042	0.0034
CI7-BZ#188	MG/KG	0.0062	0.0062	0.0034	0.0059	0.004	0.00048 U
CI7-BZ#189	MG/KG	0.015	0.016	0.0077	0.016	0.0088	0.007
CI7-BZ#191	MG/KG	0.014	0.015	0.0072	0.016	0.0078	0.0069
CI7-BZ#193	MG/KG	0.04	0.042	0.019	0.044	0.02	0.018
CI8-BZ#194	MG/KG	0.05	0.047	0.022	0.051	0.022	0.022
CI8-BZ#195	MG/KG	0.018	0.018	0.0078	0.018	0.0075	0.0081
CI8-BZ#196/203	MG/KG	0.074	0.07	0.032	0.074	0.031	0.034
CI8-BZ#197	MG/KG	0.0029	0.0028	0.0017	0.0029	0.002	0.0017
CI8-BZ#199	MG/KG	0.0026	0.0021	0.00098	0.0028	0.00092	0.00074
CI8-BZ#200	MG/KG	0.0092	0.0089	0.0054	0.0096	0.0064	0.0049
CI8-BZ#201	MG/KG	0.053	0.05	0.023	0.052	0.022	0.024
CI8-BZ#202	MG/KG	0.023	0.022	0.012	0.024	0.015	0.011
CI8-BZ#205	MG/KG	0.0027	0.0024	0.0012	0.0028	0.0013	0.0012
CI9-BZ#206	MG/KG	0.024	0.021	0.0088	0.024	0.0086	0.009
CI9-BZ#207	MG/KG	0.003	0.0024	0.0012	0.0028	0.0011	0.0012

Table 4 Sample Data for Eel (mg/kg wet weight) 2006

	Sample#	NBH06-FF-A-1	NBH06-FF-B-1	NBH06-FF-C-1	NBH06-FF-D-1	NBH06-FF-E-1	NBH06-FF-C-2
CI9-BZ#208	MG/KG	0.0089	0.0075	0.0032	0.0085	0.0032	0.0033
CI10-BZ#209	MG/KG	0.0036	0.003	0.0015	0.0037	0.0013	0.0015
Aroclor-1232	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Aroclor-1242	MG/KG	0.00047 U	0.00047 U	0.00046 U	0.00048 U	0.00043 U	0.00048 U
Aroclor-1248	MG/KG	100	86	33	86	53	24
Aroclor-1254	MG/KG	120	130	67	130	87	61
Aroclor-1260	MG/KG	0.48	0.48	0.22	0.5	0.22	0.22

Table 5 Sample Data for Alewife and Flounder (mg/kg wet weight) 2006

	Sample#	NBH06-FF-A-1		NBH06-FF-B-1		NBH06-FF-C-2	
	Species	Alewife		Alewife		Winter Flounder	
	Area	I		I		II	
	Station	Station A		Station B		Station C	
Parameter	Units						
Lipids	PERCENT	3.1		4.4		0.88	
Total PCB Congeners ¹	MG/KG	11	J4	7.8	J4	0.055	J2
Total PCB Congeners Hits ²	MG/KG	11		7.8		0.042	
Total NOAA Congeners ³	MG/KG	4.9	J4	3.4	J4	0.025	J3
Total WHO Congeners ⁴	MG/KG	0.18	J4	0.14	J4	0.0078	J2
Total NOAA / WHO Combined ⁵	MG/KG	5.0	J4	3.4	J4	0.0274	J3
Total Aroclors ⁶	MG/KG	10	J4	6.5	J4	0.00045	U
Cl1-BZ#1	MG/KG	0.0025		0.0016		0.00045	U
Cl1-BZ#3	MG/KG	0.00012	J	0.00024	J	0.00045	U
Cl2-BZ#4/#10	MG/KG	0.14		0.074		0.00014	J
Cl2-BZ#5/#8	MG/KG	0.095		0.099		0.00009	J
Cl2-BZ#6	MG/KG	0.32		0.17		0.0001	J
Cl2-BZ#7	MG/KG	0.02		0.015		0.00045	U
Cl2-BZ#12/#13	MG/KG	0.012		0.014		0.0009	U
Cl2-BZ#15	MG/KG	0.011		0.015		0.00045	U
Cl3-BZ#16/#32	MG/KG	0.34		0.23		0.00029	J
Cl3-BZ#17	MG/KG	0.13		0.15		0.00011	J
Cl3-BZ#18	MG/KG	0.97		0.56		0.00037	J
Cl3-BZ#19	MG/KG	0.077		0.042		0.00045	U
Cl3-BZ#21/#33	MG/KG	0.06		0.04		0.0009	U
Cl3-BZ#22	MG/KG	0.073		0.054		0.00009	J
Cl3-BZ#24/#27	MG/KG	0.18		0.089		0.00012	J
Cl3-BZ#25	MG/KG	0.4		0.3		0.00023	J
Cl3-BZ#26	MG/KG	0.81		0.57		0.00042	J
Cl3-BZ#28/#31	MG/KG	1.4		1		0.0011	
Cl3-BZ#29	MG/KG	0.0022		0.013		0.00045	U
Cl3-BZ#37	MG/KG	0.011		0.0099		0.00045	U
Cl4-BZ#40	MG/KG	0.037		0.025		0.00011	J
Cl4-BZ#41/#71	MG/KG	0.18		0.12		0.00031	J
Cl4-BZ#42	MG/KG	0.089		0.065		0.00045	U
Cl4-BZ#43/#49	MG/KG	0.9		0.7		0.001	U
Cl4-BZ#44	MG/KG	0.36		0.2		0.00028	J
Cl4-BZ#45	MG/KG	0.052		0.028		0.00045	U
Cl4-BZ#46	MG/KG	0.046		0.017		0.00045	U
Cl4-BZ#47/#48	MG/KG	0.31		0.22		0.00048	J
Cl4-BZ#50	MG/KG	0.0022		0.0017		0.00045	U
Cl4-BZ#51	MG/KG	0.052		0.04		0.00045	U
Cl4-BZ#52	MG/KG	1.2		0.81		0.001	U
Cl4-BZ#53	MG/KG	0.17		0.1		0.00013	J
Cl4-BZ#54	MG/KG	0.0015		0.0018		0.00045	U
Cl4-BZ#56/#60	MG/KG	0.032		0.024		0.00022	J
Cl4-BZ#63	MG/KG	0.0085		0.0071		0.00045	U
Cl4-BZ#64	MG/KG	0.17		0.13		0.00017	J
Cl4-BZ#66	MG/KG	0.11		0.082		0.00083	
Cl4-BZ#70	MG/KG	0.08		0.064		0.00074	
Cl4-BZ#74	MG/KG	0.074		0.056		0.00059	
Cl4-BZ#76	MG/KG	0.0022		0.00047	U	0.00045	U
Cl4-BZ#77	MG/KG	0.00045	U	0.00047	U	0.00045	U
Cl4-BZ#81	MG/KG	0.00045	U	0.00047	U	0.00045	U
Cl5-BZ#82	MG/KG	0.0045		0.0037		0.00045	U
Cl5-BZ#83	MG/KG	0.013		0.0099		0.00045	U
Cl5-BZ#85	MG/KG	0.0074		0.0066		0.0003	J
Cl5-BZ#87	MG/KG	0.026		0.021		0.00044	J
Cl5-BZ#89	MG/KG	0.00045	U	0.00047	U	0.00045	U
Cl5-BZ#91	MG/KG	0.12		0.089		0.00018	J

Table 5 Sample Data for Alewife and Flounder (mg/kg wet weight) 2006

	Sample#	NBH06-FF-A-1	NBH06-FF-B-1	NBH06-FF-C-2
CI5-BZ#92	MG/KG	0.06	0.045	0.0003 J
CI5-BZ#95	MG/KG	0.26 J	0.16 J	0.00038 J
CI5-BZ#97	MG/KG	0.067	0.051	0.00023 J
CI5-BZ#99	MG/KG	0.22	0.16	0.0034
CI5-BZ#100	MG/KG	0.014	0.01	0.00045 U
CI5-BZ#101/#84	MG/KG	0.33	0.24	0.0016
CI5-BZ#104	MG/KG	0.00038 J	0.00029 J	0.00045 U
CI5-BZ#105	MG/KG	0.012	0.011	0.00078
CI5-BZ#107	MG/KG	0.011	0.0092	0.00032 J
CI5-BZ#110	MG/KG	0.27	0.2	0.0014
CI5-BZ#114	MG/KG	0.0013	0.0011	0.00045 U
CI5-BZ#118	MG/KG	0.13	0.1	0.004
CI5-BZ#119	MG/KG	0.041	0.03	0.00031 J
CI5-BZ#123	MG/KG	0.008	0.006	0.00045 U
CI5-BZ#124	MG/KG	0.0045	0.0035	0.00045 U
CI5-BZ#126	MG/KG	0.00045 U	0.00047 U	0.00045 U
CI6-BZ#129	MG/KG	0.0018	0.0015	0.00045 U
CI6-BZ#130	MG/KG	0.0037	0.0034	0.00013 J
CI6-BZ#131	MG/KG	0.0016	0.0011	0.0009 U
CI6-BZ#132/#168	MG/KG	0.0085	0.0074	0.00021 J
CI6-BZ#134	MG/KG	0.012	0.009	0.00018 J
CI6-BZ#135/#144	MG/KG	0.022	0.017	0.00019 J
CI6-BZ#136	MG/KG	0.021	0.015	0.00045 U
CI6-BZ#137	MG/KG	0.0038	0.0031	0.00019 J
CI6-BZ#138/#163	MG/KG	0.097	0.075	0.0048
CI6-BZ#141	MG/KG	0.0058	0.0046	0.00021 J
CI6-BZ#146	MG/KG	0.029	0.021	0.00065 J
CI6-BZ#147	MG/KG	0.013	0.012	0.00045 U
CI6-BZ#149	MG/KG	0.14 J	0.1 J	0.00066 J
CI6-BZ#151	MG/KG	0.026	0.02	0.00023 J
CI6-BZ#153	MG/KG	0.18	0.13	0.0073
CI6-BZ#154	MG/KG	0.013	0.0095	0.00022 J
CI6-BZ#155	MG/KG	0.00019 J	0.00013 J	0.00045 U
CI6-BZ#156	MG/KG	0.0062	0.0051	0.00044 J
CI6-BZ#157	MG/KG	0.00098	0.00093	0.00012 J
CI6-BZ#158	MG/KG	0.012	0.0086	0.00045
CI6-BZ#167/#128	MG/KG	0.016	0.014	0.00083 J
CI6-BZ#169	MG/KG	0.00045 U	0.00047 U	0.00045 U
CI7-BZ#170/#190	MG/KG	0.008	0.0058	0.0005 J
CI7-BZ#171	MG/KG	0.0019	0.0015	0.00014 J
CI7-BZ#172	MG/KG	0.0012	0.001	0.00045 U
CI7-BZ#173	MG/KG	0.00016 J	0.00047 U	0.00045 U
CI7-BZ#174	MG/KG	0.0036	0.0027	0.00013 J
CI7-BZ#175	MG/KG	0.00049	0.0007	0.00045 U
CI7-BZ#176	MG/KG	0.00057	0.00047	0.00045 U
CI7-BZ#177	MG/KG	0.0027	0.0024	0.0002 J
CI7-BZ#178	MG/KG	0.0028	0.0021	0.00016 J
CI7-BZ#180	MG/KG	0.015	0.011	0.00091
CI7-BZ#182/#187	MG/KG	0.019	0.014	0.0009
CI7-BZ#183	MG/KG	0.0054	0.0042	0.00034 J
CI7-BZ#184	MG/KG	0.00045 U	0.00047 U	0.00045 U
CI7-BZ#185	MG/KG	0.0005	0.00043 J	0.00045 U
CI7-BZ#188	MG/KG	0.00038 J	0.00023 J	0.00045 U
CI7-BZ#189	MG/KG	0.00048	0.00041 J	0.00045 U
CI7-BZ#191	MG/KG	0.00048	0.00038 J	0.00045 U
CI7-BZ#193	MG/KG	0.0014	0.0011	0.00045 U
CI8-BZ#194	MG/KG	0.002	0.0014	0.00019 J
CI8-BZ#195	MG/KG	0.00065	0.00042 J	0.00045 U
CI8-BZ#196/203	MG/KG	0.0027	0.0018	0.00019 J

Table 5 Sample Data for Alewife and Flounder (mg/kg wet weight) 2006

	Sample#	NBH06-FF-A-1		NBH06-FF-B-1		NBH06-FF-C-2	
CI8-BZ#197	MG/KG	0.00012	J	0.00009	J	0.00045	U
CI8-BZ#199	MG/KG	0.00021	J	0.00015	J	0.00045	U
CI8-BZ#200	MG/KG	0.00038	J	0.00031	J	0.00045	U
CI8-BZ#201	MG/KG	0.002		0.0014		0.00022	J
CI8-BZ#202	MG/KG	0.00096		0.00075		0.00018	J
CI8-BZ#205	MG/KG	0.00011	J	0.00047	U	0.00045	U
CI9-BZ#206	MG/KG	0.0011		0.00064		0.00023	J
CI9-BZ#207	MG/KG	0.00015	J	0.00013	J	0.00045	U
CI9-BZ#208	MG/KG	0.00041	J	0.00032	J	0.00045	U
CI10-BZ#209	MG/KG	0.00022	J	0.00021	J	0.00011	J
Aroclor-1232	MG/KG	0.00045	U	0.00047	U	0.00045	U
Aroclor-1242	MG/KG	6.7		3.9		0.00045	U
Aroclor-1248	MG/KG	0.00045	U	0.00047	U	0.00045	U
Aroclor-1254	MG/KG	3.5		2.6		0.00045	U
Aroclor-1260	MG/KG	0.00045	U	0.00047	U	0.00045	U

Table 6A Sample Data for Black Sea Bass (mg/kg wet weight) Area II 2006

	Sample#	NBH06-FF-A-2		NBH06-FF-B-2		NBH06-FF-D-2		NBH06-FF-E-2	
	Species	Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass	
	Area	II		II		II		II	
	Station	Station A		Station B		Station D		Station E	
Parameter	Units								
Lipids	PERCENT	0.65		1.1		0.62		2.0	
Total PCB Congeners ¹	MG/KG	0.062	J2	0.093	J2	0.082	J2	0.14	J3
Total PCB Congeners Hits ²	MG/KG	0.047		0.081		0.066		0.13	
Total NOAA Congeners ³	MG/KG	0.029	J3	0.050	J3	0.045	J3	0.080	J4
Total WHO Congeners ⁴	MG/KG	0.0081	J2	0.011	J3	0.012	J2	0.020	J3
Total NOAA / WHO Combined ⁵	MG/KG	0.031	J3	0.052	J3	0.047	J3	0.083	J3
Total Aroclors ⁶	MG/KG	0.00047	U	0.20	J4	0.00047	U	0.00048	U
Cl1-BZ#1	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl2-BZ#4/#10	MG/KG	0.00093	U	0.00087	U	0.00094	U	0.00095	U
Cl2-BZ#5/#8	MG/KG	0.00093	U	0.00087	U	0.00094	U	0.00095	U
Cl2-BZ#6	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl2-BZ#7	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl2-BZ#12/#13	MG/KG	0.00093	U	0.00087	U	0.00094	U	0.00095	U
Cl2-BZ#15	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl3-BZ#16/#32	MG/KG	0.00013	J	0.00017	J	0.00094	U	0.00027	J
Cl3-BZ#17	MG/KG	0.00047	U	0.00019	J	0.00047	U	0.00012	J
Cl3-BZ#18	MG/KG	0.00047	U	0.00017	J	0.00047	U	0.00012	J
Cl3-BZ#19	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl3-BZ#21/#33	MG/KG	0.00093	U	0.00087	U	0.00094	U	0.00095	U
Cl3-BZ#22	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl3-BZ#24/#27	MG/KG	0.00093	U	0.00087	U	0.00094	U	0.00095	U
Cl3-BZ#25	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00046	J
Cl3-BZ#26	MG/KG	0.00015	J	0.00017	J	0.00019	J	0.0005	
Cl3-BZ#28/#31	MG/KG	0.00093	U	0.00087	U	0.00094	U	0.0022	
Cl3-BZ#29	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl3-BZ#37	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#40	MG/KG	0.00009	J	0.00011	J	0.00047	U	0.00016	J
Cl4-BZ#41/#71	MG/KG	0.00033	J	0.00032	J	0.00037	J	0.00096	
Cl4-BZ#42	MG/KG	0.00016	J	0.00017	J	0.00014	J	0.00031	J
Cl4-BZ#43/#49	MG/KG	0.0012		0.0012		0.00096	U	0.0032	
Cl4-BZ#44	MG/KG	0.00049		0.00048		0.00048		0.00096	
Cl4-BZ#45	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#46	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#47/#48	MG/KG	0.00069	J	0.0008	J	0.00057	J	0.0019	
Cl4-BZ#50	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#51	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#52	MG/KG	0.0019		0.0017		0.0022		0.0043	
Cl4-BZ#53	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#54	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#56/#60	MG/KG	0.00013	J	0.00025	J	0.00018	J	0.00049	J
Cl4-BZ#63	MG/KG	0.00047	U	0.00044	U	0.00014	J	0.00023	J
Cl4-BZ#64	MG/KG	0.00047	U	0.0001	J	0.00047	U	0.00048	U
Cl4-BZ#66	MG/KG	0.001		0.0014		0.001		0.0029	
Cl4-BZ#70	MG/KG	0.00009	J	0.00024	J	0.00015	J	0.00062	
Cl4-BZ#74	MG/KG	0.00055		0.00078		0.00083		0.0015	
Cl4-BZ#76	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#77	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl4-BZ#81	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl5-BZ#82	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00025	J
Cl5-BZ#83	MG/KG	0.00014	J	0.00018	J	0.00015	J	0.00029	J
Cl5-BZ#85	MG/KG	0.00038	J	0.00068		0.00036	J	0.00088	
Cl5-BZ#87	MG/KG	0.00051		0.00077		0.00071		0.0012	
Cl5-BZ#89	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Cl5-BZ#91	MG/KG	0.00028	J	0.00026	J	0.00029	J	0.00061	

Prepared by: BJS

Checked by: JPC

Revised 9/14/09 JPC

Table 6A Sample Data for Black Sea Bass (mg/kg wet weight) Area II 2006

	Sample#	NBH06-FF-A-2	NBH06-FF-B-2	NBH06-FF-D-2	NBH06-FF-E-2
CI5-BZ#92	MG/KG	0.00062	0.00082	0.001	0.0016
CI5-BZ#95	MG/KG	0.0009 J	0.00094 J	0.001 J	0.0018 J
CI5-BZ#97	MG/KG	0.00059	0.0005	0.00043 J	0.0011
CI5-BZ#99	MG/KG	0.0018	0.0024	0.0018	0.0047
CI5-BZ#100	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI5-BZ#101/#84	MG/KG	0.0033	0.0042	0.0048	0.0088
CI5-BZ#104	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI5-BZ#105	MG/KG	0.00078	0.0014	0.0013	0.0022
CI5-BZ#107	MG/KG	0.0005	0.00065	0.00085	0.0016
CI5-BZ#110	MG/KG	0.0012	0.0016	0.0012	0.0027
CI5-BZ#114	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI5-BZ#118	MG/KG	0.0041	0.006	0.0068	0.012
CI5-BZ#119	MG/KG	0.00026 J	0.00026 J	0.00021 J	0.0005
CI5-BZ#123	MG/KG	0.00011 J	0.00014 J	0.00014 J	0.00038 J
CI5-BZ#124	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI5-BZ#126	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI6-BZ#129	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00015 J
CI6-BZ#130	MG/KG	0.00029 J	0.00043 J	0.00044 J	0.00082
CI6-BZ#131	MG/KG	0.00093 U	0.00087 U	0.00094 U	0.00095 U
CI6-BZ#132/#168	MG/KG	0.00027 J	0.00045 J	0.00029 J	0.00051 J
CI6-BZ#134	MG/KG	0.00027 J	0.00041 J	0.00032 J	0.00063
CI6-BZ#135/#144	MG/KG	0.00033 J	0.00054 J	0.00045 J	0.00069 J
CI6-BZ#136	MG/KG	0.00012 J	0.00017 J	0.00014 J	0.00021 J
CI6-BZ#137	MG/KG	0.00021 J	0.00027 J	0.00026 J	0.00047 J
CI6-BZ#138/#163	MG/KG	0.0048	0.0084	0.0077	0.013
CI6-BZ#141	MG/KG	0.00021 J	0.00041 J	0.00033 J	0.00043 J
CI6-BZ#146	MG/KG	0.0014	0.0024	0.0023	0.0044
CI6-BZ#147	MG/KG	0.00018 J	0.00019 J	0.0002 J	0.00046 J
CI6-BZ#149	MG/KG	0.0015 J	0.002 J	0.0019 J	0.0034 J
CI6-BZ#151	MG/KG	0.00048	0.00097	0.00072	0.001
CI6-BZ#153	MG/KG	0.0075	0.015	0.013	0.022
CI6-BZ#154	MG/KG	0.00047 U	0.00014 J	0.00047 U	0.00017 J
CI6-BZ#155	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI6-BZ#156	MG/KG	0.00043 J	0.00059	0.00067	0.0012
CI6-BZ#157	MG/KG	0.00012 J	0.00023 J	0.0002 J	0.00035 J
CI6-BZ#158	MG/KG	0.00037 J	0.00051	0.00051	0.00079
CI6-BZ#167/#128	MG/KG	0.0011	0.0016	0.0016	0.0029
CI6-BZ#169	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#170/#190	MG/KG	0.00055 J	0.0013	0.0008 J	0.0014
CI7-BZ#171	MG/KG	0.0001 J	0.00027 J	0.00014 J	0.0003 J
CI7-BZ#172	MG/KG	0.00014 J	0.00024 J	0.00021 J	0.0003 J
CI7-BZ#173	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#174	MG/KG	0.00015 J	0.00038 J	0.00023 J	0.00029 J
CI7-BZ#175	MG/KG	0.00047 U	0.00013 J	0.00047 U	0.00048 U
CI7-BZ#176	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#177	MG/KG	0.00034 J	0.00079	0.00041 J	0.00071
CI7-BZ#178	MG/KG	0.00026 J	0.00071	0.0003 J	0.00056
CI7-BZ#180	MG/KG	0.001	0.0033	0.0017	0.0029
CI7-BZ#182/#187	MG/KG	0.0013	0.0036	0.0018	0.0034
CI7-BZ#183	MG/KG	0.0004 J	0.0013	0.00057	0.0009
CI7-BZ#184	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#185	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#188	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#189	MG/KG	0.00047 U	0.0001 J	0.00047 U	0.00011 J
CI7-BZ#191	MG/KG	0.00047 U	0.00044 U	0.00047 U	0.00048 U
CI7-BZ#193	MG/KG	0.00047 U	0.00025 J	0.00016 J	0.00024 J
CI8-BZ#194	MG/KG	0.00013 J	0.00058	0.00027 J	0.00045 J
CI8-BZ#195	MG/KG	0.00047 U	0.00021 J	0.00047 U	0.00015 J
CI8-BZ#196/203	MG/KG	0.00032 J	0.00088	0.00037 J	0.00059 J

Table 6A Sample Data for Black Sea Bass (mg/kg wet weight) Area II 2006

	Sample#	NBH06-FF-A-2		NBH06-FF-B-2		NBH06-FF-D-2		NBH06-FF-E-2	
CI8-BZ#197	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
CI8-BZ#199	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
CI8-BZ#200	MG/KG	0.00047	U	0.00028	J	0.00047	U	0.00017	J
CI8-BZ#201	MG/KG	0.0002	J	0.00095		0.00033	J	0.00067	
CI8-BZ#202	MG/KG	0.00019	J	0.00078		0.00021	J	0.00039	J
CI8-BZ#205	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
CI9-BZ#206	MG/KG	0.00016	J	0.0007		0.00027	J	0.00038	J
CI9-BZ#207	MG/KG	0.00047	U	0.0001	J	0.00047	U	0.00048	U
CI9-BZ#208	MG/KG	0.00011	J	0.00039	J	0.0001	J	0.00021	J
CI10-BZ#209	MG/KG	0.00047	U	0.00032	J	0.00013	J	0.00016	J
Aroclor-1232	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Aroclor-1242	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Aroclor-1248	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U
Aroclor-1254	MG/KG	0.00047	U	0.2		0.00047	U	0.00048	U
Aroclor-1260	MG/KG	0.00047	U	0.00044	U	0.00047	U	0.00048	U

Table 6B Sample Data for Black Sea Bass (mg/kg wet weight) Area III 2006

	Sample#	NBH06-FF-A-3		NBH06-FF-B-3		NBH06-FF-C-3		NBH06-FF-D-3		NBH06-FF-E-3	
	Species	Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass		Black Sea Bass	
	Area	III		III		III		III		III	
	Station	Station A		Station B		Station C		Station D		Station E	
Parameter	Units										
Lipids	PERCENT	0.29		1.8		0.68		0.98		0.70	
Total PCB Congeners ¹	MG/KG	0.089	J2	0.069	J2	0.18	J3	0.27	J3	0.24	J3
Total PCB Congeners Hits ²	MG/KG	0.075		0.058		0.17		0.27		0.23	
Total NOAA Congeners ³	MG/KG	0.047	J3	0.035	J4	0.085	J4	0.16	J4	0.15	J4
Total WHO Congeners ⁴	MG/KG	0.011	J2	0.0091	J2	0.018	J3	0.042	J3	0.041	J3
Total NOAA / WHO Combined ⁵	MG/KG	0.050	J3	0.037	J3	0.087	J3	0.16	J4	0.16	J4
Total Aroclors ⁶	MG/KG	0.00046	U	0.00045	U	0.22	J4	0.63	J4	0.00048	U
Cl1-BZ#1	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl1-BZ#3	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl2-BZ#4/#10	MG/KG	0.00092	U	0.00011	J	0.00018	J	0.00011	J	0.0001	J
Cl2-BZ#5/#8	MG/KG	0.00092	U	0.00009	J	0.0002	J	0.00011	J	0.0001	J
Cl2-BZ#6	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl2-BZ#7	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl2-BZ#12/#13	MG/KG	0.00092	U	0.00091	U	0.00089	U	0.0009	U	0.00095	U
Cl2-BZ#15	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl3-BZ#16/#32	MG/KG	0.00012	J	0.00019	J	0.00083	J	0.0009		0.00023	J
Cl3-BZ#17	MG/KG	0.00046	U	0.00012	J	0.00035	J	0.00055		0.00012	J
Cl3-BZ#18	MG/KG	0.00013	J	0.00025	J	0.00052		0.00078		0.00016	J
Cl3-BZ#19	MG/KG	0.00046	U	0.00009	J	0.00017	J	0.00013	J	0.00048	U
Cl3-BZ#21/#33	MG/KG	0.00092	U	0.00016	J	0.0002	J	0.00016	J	0.00012	J
Cl3-BZ#22	MG/KG	0.00046	U	0.00045	U	0.00036	J	0.00045	U	0.00048	U
Cl3-BZ#24/#27	MG/KG	0.00092	U	0.00091	U	0.00012	J	0.00013	J	0.00095	U
Cl3-BZ#25	MG/KG	0.0001	J	0.00018	J	0.0006		0.00024	J	0.00025	J
Cl3-BZ#26	MG/KG	0.00017	J	0.00025	J	0.0017		0.001		0.00086	
Cl3-BZ#28/#31	MG/KG	0.00092	U	0.0012		0.004		0.0065		0.0022	
Cl3-BZ#29	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl3-BZ#37	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl4-BZ#40	MG/KG	0.00046	U	0.00045	U	0.00031	J	0.00016	J	0.00023	J
Cl4-BZ#41/#71	MG/KG	0.00045	J	0.00032	J	0.0037		0.0033		0.0011	
Cl4-BZ#42	MG/KG	0.00017	J	0.0001	J	0.0015		0.00071		0.00048	
Cl4-BZ#43/#49	MG/KG	0.00099	U	0.00096	U	0.013		0.012		0.0037	
Cl4-BZ#44	MG/KG	0.00049		0.00046		0.0035		0.0018		0.0014	
Cl4-BZ#45	MG/KG	0.00046	U	0.00045	U	0.0002	J	0.00021	J	0.00048	U
Cl4-BZ#46	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl4-BZ#47/#48	MG/KG	0.0008	J	0.0008	J	0.0064		0.0072		0.002	
Cl4-BZ#50	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl4-BZ#51	MG/KG	0.00046	U	0.00045	U	0.00016	J	0.00026	J	0.00048	U
Cl4-BZ#52	MG/KG	0.0018		0.0015		0.016		0.012		0.0076	
Cl4-BZ#53	MG/KG	0.00046	U	0.00011	J	0.00036	J	0.00051		0.00048	U
Cl4-BZ#54	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl4-BZ#56/#60	MG/KG	0.00021	J	0.0003	J	0.00066	J	0.0012		0.00042	J
Cl4-BZ#63	MG/KG	0.00046	U	0.0001	J	0.0002	J	0.00055		0.00036	J
Cl4-BZ#64	MG/KG	0.00046	U	0.00019	J	0.00023	J	0.0011		0.00048	U
Cl4-BZ#66	MG/KG	0.0012		0.0011		0.0031		0.0074		0.0031	
Cl4-BZ#70	MG/KG	0.00026	J	0.00051		0.00041	J	0.00099		0.00047	J
Cl4-BZ#74	MG/KG	0.00079		0.0006		0.002		0.0053		0.0025	
Cl4-BZ#76	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl4-BZ#77	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl4-BZ#81	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl5-BZ#82	MG/KG	0.00018	J	0.00045	U	0.00027	J	0.00022	J	0.00018	J
Cl5-BZ#83	MG/KG	0.00017	J	0.00021	J	0.00037	J	0.00044	J	0.00037	J
Cl5-BZ#85	MG/KG	0.00052		0.00045		0.00075		0.002		0.00091	
Cl5-BZ#87	MG/KG	0.00061		0.00057		0.0015		0.0022		0.0022	
Cl5-BZ#89	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Cl5-BZ#91	MG/KG	0.00032	J	0.00026	J	0.0022		0.0016		0.00099	

Table 6B Sample Data for Black Sea Bass (mg/kg wet weight) Area III 2006

	Sample#	NBH06-FF-A-3	NBH06-FF-B-3	NBH06-FF-C-3	NBH06-FF-D-3	NBH06-FF-E-3
CI5-BZ#92	MG/KG	0.00085	0.00074	0.0018	0.0024	0.0033
CI5-BZ#95	MG/KG	0.00093 J	0.00079 J	0.0031 J	0.003 J	0.0032 J
CI5-BZ#97	MG/KG	0.00042 J	0.00037 J	0.0022	0.0018	0.0011
CI5-BZ#99	MG/KG	0.0012	0.002	0.0092	0.014	0.0054
CI5-BZ#100	MG/KG	0.00046 U	0.00045 U	0.00028 J	0.00025 J	0.00048 U
CI5-BZ#101/#84	MG/KG	0.0035	0.0034	0.011	0.015	0.016
CI5-BZ#104	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI5-BZ#105	MG/KG	0.0012	0.001	0.002	0.0049	0.0045
CI5-BZ#107	MG/KG	0.0007	0.00065	0.00064	0.0022	0.0026
CI5-BZ#110	MG/KG	0.002	0.0015	0.0071	0.008	0.0037
CI5-BZ#114	MG/KG	0.00009 J	0.00045 U	0.00013 J	0.00026 J	0.00021 J
CI5-BZ#118	MG/KG	0.0056	0.0046	0.011	0.027	0.026
CI5-BZ#119	MG/KG	0.00031 J	0.00026 J	0.00097	0.0015	0.0007
CI5-BZ#123	MG/KG	0.00014 J	0.00012 J	0.00039 J	0.00061	0.0005
CI5-BZ#124	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00014 J	0.00048 U
CI5-BZ#126	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI6-BZ#129	MG/KG	0.00046 U	0.00045 U	0.00013 J	0.00013 J	0.00028 J
CI6-BZ#130	MG/KG	0.00038 J	0.00035 J	0.00048	0.00097	0.0012
CI6-BZ#131	MG/KG	0.00092 U	0.00091 U	0.00089 U	0.0009 U	0.00095 U
CI6-BZ#132/#168	MG/KG	0.0004 J	0.00035 J	0.00054 J	0.00078 J	0.0011
CI6-BZ#134	MG/KG	0.00047	0.00035 J	0.00067	0.00095	0.0011
CI6-BZ#135/#144	MG/KG	0.00059 J	0.00047 J	0.00068 J	0.0011	0.0014
CI6-BZ#136	MG/KG	0.00018 J	0.00013 J	0.00043 J	0.00042 J	0.00046 J
CI6-BZ#137	MG/KG	0.00027 J	0.00019 J	0.00041 J	0.001	0.00098
CI6-BZ#138/#163	MG/KG	0.0083	0.0061	0.0092	0.023	0.024
CI6-BZ#141	MG/KG	0.00032 J	0.0003 J	0.00052	0.00058	0.001
CI6-BZ#146	MG/KG	0.0026	0.0017	0.0027	0.0062	0.0076
CI6-BZ#147	MG/KG	0.00023 J	0.00017 J	0.00053	0.00065	0.00082
CI6-BZ#149	MG/KG	0.0022 J	0.0016 J	0.0047 J	0.0052 J	0.0064 J
CI6-BZ#151	MG/KG	0.00097	0.00062	0.00087	0.0013	0.0022
CI6-BZ#153	MG/KG	0.014	0.0092	0.016	0.041	0.047
CI6-BZ#154	MG/KG	0.00046 U	0.00045 U	0.00037 J	0.00038 J	0.00017 J
CI6-BZ#155	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI6-BZ#156	MG/KG	0.00061	0.0005	0.0009	0.0023	0.0027
CI6-BZ#157	MG/KG	0.00023 J	0.00019 J	0.00022 J	0.00061	0.00066
CI6-BZ#158	MG/KG	0.00056	0.00026 J	0.00086	0.002	0.002
CI6-BZ#167/#128	MG/KG	0.0016	0.0013	0.0021	0.0055	0.0057
CI6-BZ#169	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI7-BZ#170/#190	MG/KG	0.0012	0.00072 J	0.001	0.0023	0.0028
CI7-BZ#171	MG/KG	0.00023 J	0.00015 J	0.00027 J	0.00042 J	0.00045 J
CI7-BZ#172	MG/KG	0.00027 J	0.00017 J	0.0002 J	0.00041 J	0.00047 J
CI7-BZ#173	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI7-BZ#174	MG/KG	0.0004 J	0.00032 J	0.00029 J	0.0004 J	0.00062
CI7-BZ#175	MG/KG	0.0001 J	0.00045 U	0.00044 U	0.00009 J	0.00012 J
CI7-BZ#176	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI7-BZ#177	MG/KG	0.00076	0.00049	0.00053	0.00098	0.0012
CI7-BZ#178	MG/KG	0.00079	0.00041 J	0.00048	0.00075	0.0009
CI7-BZ#180	MG/KG	0.0029	0.0014	0.002	0.0044	0.0055
CI7-BZ#182/#187	MG/KG	0.004	0.0019	0.0025	0.0044	0.0056
CI7-BZ#183	MG/KG	0.001	0.00043 J	0.00074	0.0014	0.0017
CI7-BZ#184	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI7-BZ#185	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI7-BZ#188	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00045 U	0.00048 U
CI7-BZ#189	MG/KG	0.00046 U	0.00045 U	0.00044 U	0.00017 J	0.00022 J
CI7-BZ#191	MG/KG	0.00046 U	0.00045 U	0.00009 J	0.00014 J	0.00013 J
CI7-BZ#193	MG/KG	0.00024 J	0.00015 J	0.00019 J	0.00035 J	0.00041 J
CI8-BZ#194	MG/KG	0.00051	0.00035 J	0.00028 J	0.00056	0.0007
CI8-BZ#195	MG/KG	0.00019 J	0.00045 U	0.00044 U	0.00023 J	0.00016 J
CI8-BZ#196/203	MG/KG	0.00075 J	0.00037 J	0.00045 J	0.0007 J	0.00095

Table 6B Sample Data for Black Sea Bass (mg/kg wet weight) Area III 2006

	Sample#	NBH06-FF-A-3		NBH06-FF-B-3		NBH06-FF-C-3		NBH06-FF-D-3		NBH06-FF-E-3	
CI8-BZ#197	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
CI8-BZ#199	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
CI8-BZ#200	MG/KG	0.00021	J	0.00012	J	0.00012	J	0.00016	J	0.00021	J
CI8-BZ#201	MG/KG	0.00081		0.00049		0.00052		0.00065		0.00089	
CI8-BZ#202	MG/KG	0.00062		0.0003	J	0.00028	J	0.00037	J	0.00045	J
CI8-BZ#205	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
CI9-BZ#206	MG/KG	0.0004	J	0.00026	J	0.00025	J	0.00034	J	0.0004	J
CI9-BZ#207	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
CI9-BZ#208	MG/KG	0.00028	J	0.00015	J	0.00016	J	0.00015	J	0.00027	J
CI10-BZ#209	MG/KG	0.00024	J	0.00013	J	0.00012	J	0.00016	J	0.00018	J
Aroclor-1232	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Aroclor-1242	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Aroclor-1248	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U
Aroclor-1254	MG/KG	0.00046	U	0.00045	U	0.22		0.63		0.00048	U
Aroclor-1260	MG/KG	0.00046	U	0.00045	U	0.00044	U	0.00045	U	0.00048	U

Table 7A Sample Data for Scup (mg/kg wet weight) Area II 2006

	Sample#	NBH06-FF-A-2		NBH06-FF-B-2		NBH06-FF-C-2		NBH06-FF-D-2		NBH06-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	
Parameter	Units										
Lipids	PERCENT	0.90		1.1		0.94		0.99		3.9	
Total PCB Congeners ¹	MG/KG	0.16	J3	0.54	J3	0.71	J4	0.16	J3	0.38	J3
Total PCB Congeners Hits ²	MG/KG	0.15		0.53		0.70		0.15		0.38	
Total NOAA Congeners ³	MG/KG	0.086	J4	0.29	J4	0.39	J4	0.087	J4	0.22	J4
Total WHO Congeners ⁴	MG/KG	0.021	J3	0.070	J3	0.097	J4	0.023	J3	0.059	J3
Total NOAA / WHO Combined ⁵	MG/KG	0.089	J3	0.30	J4	0.40	J4	0.090	J3	0.22	J4
Total Aroclors ⁶	MG/KG	0.00047	U	0.37	J4	0.47	J4	0.00047	U	0.24	J4
Cl1-BZ#1	MG/KG	0.00047	U	0.00047	U	0.00053		0.00047	U	0.00044	U
Cl1-BZ#3	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl2-BZ#4/#10	MG/KG	0.00094	U	0.00095	U	0.0019		0.00095	U	0.00088	U
Cl2-BZ#5/#8	MG/KG	0.0001	J	0.00032	J	0.00079	J	0.00095	U	0.00012	J
Cl2-BZ#6	MG/KG	0.00047	U	0.00031	J	0.00071		0.00047	U	0.00044	U
Cl2-BZ#7	MG/KG	0.00047	U	0.00047	U	0.0001	J	0.00047	U	0.00044	U
Cl2-BZ#12/#13	MG/KG	0.00094	U	0.00095	U	0.0009	U	0.00095	U	0.00088	U
Cl2-BZ#15	MG/KG	0.00047	U	0.00011	J	0.00021	J	0.00047	U	0.00044	U
Cl3-BZ#16/#32	MG/KG	0.00024	J	0.0014		0.0026		0.00026	J	0.00034	J
Cl3-BZ#17	MG/KG	0.00024	J	0.0017		0.0029		0.00024	J	0.00034	J
Cl3-BZ#18	MG/KG	0.0005		0.0043		0.0074		0.00034	J	0.00055	
Cl3-BZ#19	MG/KG	0.00047	U	0.00027	J	0.00074		0.00047	U	0.00044	U
Cl3-BZ#21/#33	MG/KG	0.00015	J	0.00059	J	0.00088	J	0.00013	J	0.00017	J
Cl3-BZ#22	MG/KG	0.00014	J	0.00085		0.0016		0.00047	U	0.00044	U
Cl3-BZ#24/#27	MG/KG	0.00094	U	0.00045	J	0.00093		0.00095	U	0.00088	U
Cl3-BZ#25	MG/KG	0.00029	J	0.0017		0.0035		0.00017	J	0.00033	J
Cl3-BZ#26	MG/KG	0.00068		0.0065		0.011		0.00053		0.00087	
Cl3-BZ#28/#31	MG/KG	0.002		0.016		0.025		0.0016		0.003	
Cl3-BZ#29	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl3-BZ#37	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl4-BZ#40	MG/KG	0.00016	J	0.00069		0.00079		0.00014	J	0.00024	J
Cl4-BZ#41/#71	MG/KG	0.00098		0.0078		0.0097		0.00086	J	0.0046	
Cl4-BZ#42	MG/KG	0.00042	J	0.0013		0.0027		0.00037	J	0.00049	
Cl4-BZ#43/#49	MG/KG	0.0042		0.026		0.039		0.004		0.015	
Cl4-BZ#44	MG/KG	0.00093		0.0055		0.006		0.0007		0.001	
Cl4-BZ#45	MG/KG	0.00047	U	0.00054		0.0006		0.00047	U	0.00009	J
Cl4-BZ#46	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl4-BZ#47/#48	MG/KG	0.0024		0.014		0.021		0.0023		0.011	
Cl4-BZ#50	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl4-BZ#51	MG/KG	0.00009	J	0.0003	J	0.00052		0.00009	J	0.00011	J
Cl4-BZ#52	MG/KG	0.0041		0.032		0.036		0.0036		0.016	
Cl4-BZ#53	MG/KG	0.00014	J	0.0005		0.00079		0.00015	J	0.00017	J
Cl4-BZ#54	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl4-BZ#56/#60	MG/KG	0.00067	J	0.0033		0.0046		0.00052	J	0.0021	
Cl4-BZ#63	MG/KG	0.00022	J	0.0012		0.0016		0.00022	J	0.00088	
Cl4-BZ#64	MG/KG	0.0003	J	0.0011		0.0021		0.00031	J	0.00044	U
Cl4-BZ#66	MG/KG	0.0035		0.016		0.021		0.0034		0.012	
Cl4-BZ#70	MG/KG	0.00066		0.0016		0.0021		0.00046	J	0.00073	
Cl4-BZ#74	MG/KG	0.0015		0.0098		0.015		0.0014		0.0078	
Cl4-BZ#76	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl4-BZ#77	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl4-BZ#81	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl5-BZ#82	MG/KG	0.00024	J	0.00054		0.0006		0.00022	J	0.00027	J
Cl5-BZ#83	MG/KG	0.00017	J	0.00054		0.00042	J	0.00047	U	0.00026	J
Cl5-BZ#85	MG/KG	0.0014		0.004		0.0054		0.0014		0.0034	
Cl5-BZ#87	MG/KG	0.0015		0.0059		0.0069		0.0014		0.0039	
Cl5-BZ#89	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Cl5-BZ#91	MG/KG	0.0011		0.0047		0.0053		0.00099		0.0024	

Table 7A Sample Data for Scup (mg/kg wet weight) Area II 2006

	Sample#	NBH06-FF-A-2	NBH06-FF-B-2	NBH06-FF-C-2	NBH06-FF-D-2	NBH06-FF-E-2
CI5-BZ#92	MG/KG	0.0011	0.0042	0.0028	0.00078	0.0013
CI5-BZ#95	MG/KG	0.0014	0.008	0.0074	0.0012	0.0034
CI5-BZ#97	MG/KG	0.0025	0.0068	0.01	0.0024	0.0057
CI5-BZ#99	MG/KG	0.011	0.036	0.05	0.012	0.032
CI5-BZ#100	MG/KG	0.00018 J	0.00065	0.0011	0.00019 J	0.00056
CI5-BZ#101/#84	MG/KG	0.011	0.04	0.053	0.011	0.033
CI5-BZ#104	MG/KG	0.00047 U	0.00047 U	0.00045 U	0.00047 U	0.00044 U
CI5-BZ#105	MG/KG	0.0024	0.0089	0.013	0.0023	0.0073
CI5-BZ#107	MG/KG	0.0016	0.0038	0.0045	0.002	0.0035
CI5-BZ#110	MG/KG	0.0041	0.018	0.019	0.0039	0.009
CI5-BZ#114	MG/KG	0.00009 J	0.00047	0.00072	0.00012 J	0.00043 J
CI5-BZ#118	MG/KG	0.012	0.045	0.062	0.013	0.038
CI5-BZ#119	MG/KG	0.00072	0.0024	0.0038	0.00083	0.002
CI5-BZ#123	MG/KG	0.00035 J	0.0012	0.0017	0.00032 J	0.00098
CI5-BZ#124	MG/KG	0.0001 J	0.00027 J	0.00026 J	0.00047 U	0.00013 J
CI5-BZ#126	MG/KG	0.00047 U	0.00047 U	0.00045 U	0.00047 U	0.00044 U
CI6-BZ#129	MG/KG	0.00011 J	0.00043 J	0.00039 J	0.00015 J	0.00024 J
CI6-BZ#130	MG/KG	0.00076	0.0014	0.0011	0.00054	0.00093
CI6-BZ#131	MG/KG	0.00094 U	0.00095 U	0.0009 U	0.00095 U	0.00088 U
CI6-BZ#132/#168	MG/KG	0.00067 J	0.0019	0.0011	0.00059 J	0.0008 J
CI6-BZ#134	MG/KG	0.00034 J	0.00095	0.00069	0.00024 J	0.00049
CI6-BZ#135/#144	MG/KG	0.00055 J	0.0016	0.0015	0.00046 J	0.00092
CI6-BZ#136	MG/KG	0.00036 J	0.0011	0.001	0.00033 J	0.0006
CI6-BZ#137	MG/KG	0.00052	0.0019	0.0029	0.00061	0.0015
CI6-BZ#138/#163	MG/KG	0.016	0.038	0.044	0.016	0.031
CI6-BZ#141	MG/KG	0.0004 J	0.0016	0.0015	0.00039 J	0.001
CI6-BZ#146	MG/KG	0.0042	0.0095	0.012	0.0041	0.0086
CI6-BZ#147	MG/KG	0.00056	0.0018	0.0021	0.00066	0.0014
CI6-BZ#149	MG/KG	0.0046	0.014	0.014	0.004	0.0091
CI6-BZ#151	MG/KG	0.00089	0.0027	0.0024	0.00067	0.0014
CI6-BZ#153	MG/KG	0.022	0.06	0.085	0.023	0.052
CI6-BZ#154	MG/KG	0.00056	0.0014	0.0019	0.00052	0.0012
CI6-BZ#155	MG/KG	0.00047 U	0.00047 U	0.00045 U	0.00047 U	0.00044 U
CI6-BZ#156	MG/KG	0.0011	0.0035	0.0049	0.0014	0.0031
CI6-BZ#157	MG/KG	0.00035 J	0.0008	0.001	0.0004 J	0.00075
CI6-BZ#158	MG/KG	0.001	0.0037	0.005	0.0011	0.0029
CI6-BZ#167/#128	MG/KG	0.0035	0.0093	0.012	0.0038	0.0076
CI6-BZ#169	MG/KG	0.00047 U	0.00047 U	0.00045 U	0.00047 U	0.00044 U
CI7-BZ#170/#190	MG/KG	0.0016	0.0036	0.0049	0.0016	0.0032
CI7-BZ#171	MG/KG	0.00042 J	0.001	0.0013	0.00056	0.00089
CI7-BZ#172	MG/KG	0.00021 J	0.00045 J	0.00051	0.00021 J	0.00041 J
CI7-BZ#173	MG/KG	0.00047 U	0.00047 U	0.00045 U	0.00047 U	0.00044 U
CI7-BZ#174	MG/KG	0.00024 J	0.00065	0.00037 J	0.0002 J	0.00032 J
CI7-BZ#175	MG/KG	0.00047 U	0.00018 J	0.00027 J	0.00019 J	0.00018 J
CI7-BZ#176	MG/KG	0.00011 J	0.00018 J	0.0002 J	0.0001 J	0.00016 J
CI7-BZ#177	MG/KG	0.0005	0.00082	0.00052	0.00042 J	0.00069
CI7-BZ#178	MG/KG	0.00025 J	0.00057	0.00046	0.00024 J	0.00041 J
CI7-BZ#180	MG/KG	0.0029	0.007	0.0097	0.0029	0.0061
CI7-BZ#182/#187	MG/KG	0.0031	0.006	0.0076	0.0028	0.0056
CI7-BZ#183	MG/KG	0.00092	0.0024	0.0033	0.00093	0.0019
CI7-BZ#184	MG/KG	0.00047 U	0.00047 U	0.00045 U	0.00047 U	0.00044 U
CI7-BZ#185	MG/KG	0.00047 U	0.00014 J	0.00012 J	0.00047 U	0.00044 U
CI7-BZ#188	MG/KG	0.00047 U	0.00047 U	0.00011 J	0.00047 U	0.00044 U
CI7-BZ#189	MG/KG	0.00047 U	0.00026 J	0.00032 J	0.00047 U	0.00022 J
CI7-BZ#191	MG/KG	0.00047 U	0.00021 J	0.00027 J	0.00047 U	0.00014 J
CI7-BZ#193	MG/KG	0.00023 J	0.00053	0.00054	0.00033 J	0.00046
CI8-BZ#194	MG/KG	0.00054	0.00098	0.0011	0.00042 J	0.00081
CI8-BZ#195	MG/KG	0.00015 J	0.00029 J	0.00044 J	0.00047 U	0.00027 J
CI8-BZ#196/203	MG/KG	0.00075 J	0.0011	0.0017	0.00065 J	0.0011

Table 7A Sample Data for Scup (mg/kg wet weight) Area II 2006

	Sample#	NBH06-FF-A-2		NBH06-FF-B-2		NBH06-FF-C-2		NBH06-FF-D-2		NBH06-FF-E-2	
CI8-BZ#197	MG/KG	0.00047	U	0.00047	U	0.00013	J	0.00047	U	0.00044	U
CI8-BZ#199	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
CI8-BZ#200	MG/KG	0.00018	J	0.00023	J	0.00031	J	0.00013	J	0.00024	J
CI8-BZ#201	MG/KG	0.00046	J	0.00074		0.00072		0.0003	J	0.00068	
CI8-BZ#202	MG/KG	0.00025	J	0.0003	J	0.00037	J	0.0002	J	0.0003	J
CI8-BZ#205	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
CI9-BZ#206	MG/KG	0.00041	J	0.00066		0.00077		0.00023	J	0.00049	
CI9-BZ#207	MG/KG	0.00047	U	0.00047	U	0.00014	J	0.00047	U	0.00014	J
CI9-BZ#208	MG/KG	0.00021	J	0.00017	J	0.00024	J	0.00012	J	0.00019	J
CI10-BZ#209	MG/KG	0.00023	J	0.00024	J	0.00036	J	0.00017	J	0.0002	J
Aroclor-1232	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Aroclor-1242	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Aroclor-1248	MG/KG	0.00047	U	0.37		0.47		0.00047	U	0.24	
Aroclor-1254	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U
Aroclor-1260	MG/KG	0.00047	U	0.00047	U	0.00045	U	0.00047	U	0.00044	U

Table 7B Sample Data for Scup (mg/kg wet weight) Area III 2006

	Sample#	NBH06-FF-A-3		NBH06-FF-B-3		NBH06-FF-C-3		NBH06-FF-D-3		NBH06-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	
Parameter	Units										
Lipids	PERCENT	2.0		1.9		1.2		3.1		1.4	
Total PCB Congeners ¹	MG/KG	0.15	J3	0.22	J3	0.15	J3	0.33	J3	0.15	J3
Total PCB Congeners Hits ²	MG/KG	0.14		0.22		0.14		0.33		0.14	
Total NOAA Congeners ³	MG/KG	0.085	J4	0.13	J4	0.085	J4	0.20	J4	0.082	J4
Total WHO Congeners ⁴	MG/KG	0.021	J3	0.031	J3	0.021	J3	0.048	J3	0.020	J3
Total NOAA / WHO Combined ⁵	MG/KG	0.088	J3	0.13	J3	0.088	J3	0.20	J4	0.085	J3
Total Aroclors ⁶	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl1-BZ#1	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl1-BZ#3	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl2-BZ#4/#10	MG/KG	0.00095	U	0.00094	U	0.00093	U	0.00087	U	0.00094	U
Cl2-BZ#5/#8	MG/KG	0.00095	U	0.00094	U	0.00011	J	0.00015	J	0.0001	J
Cl2-BZ#6	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl2-BZ#7	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl2-BZ#12/#13	MG/KG	0.00095	U	0.00094	U	0.00093	U	0.00087	U	0.00094	U
Cl2-BZ#15	MG/KG	0.00048	U	0.00047	U	0.00022	J	0.00043	U	0.00047	U
Cl3-BZ#16/#32	MG/KG	0.0003	J	0.0004	J	0.00024	J	0.00066	J	0.00024	J
Cl3-BZ#17	MG/KG	0.00025	J	0.00032	J	0.00022	J	0.00057		0.00027	J
Cl3-BZ#18	MG/KG	0.0004	J	0.00042	J	0.00029	J	0.00097		0.00054	
Cl3-BZ#19	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00011	J	0.00047	U
Cl3-BZ#21/#33	MG/KG	0.00013	J	0.00015	J	0.00014	J	0.00028	J	0.00014	J
Cl3-BZ#22	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl3-BZ#24/#27	MG/KG	0.00095	U	0.00094	U	0.00093	U	0.00019	J	0.00094	U
Cl3-BZ#25	MG/KG	0.00019	J	0.00024	J	0.00015	J	0.00047		0.0003	J
Cl3-BZ#26	MG/KG	0.00056		0.00058		0.00032	J	0.0012		0.00072	
Cl3-BZ#28/#31	MG/KG	0.0018		0.002		0.0012		0.0037		0.002	
Cl3-BZ#29	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl3-BZ#37	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl4-BZ#40	MG/KG	0.00016	J	0.0002	J	0.00018	J	0.00026	J	0.00017	J
Cl4-BZ#41/#71	MG/KG	0.00077	J	0.0011		0.00064	J	0.0018		0.00088	J
Cl4-BZ#42	MG/KG	0.00027	J	0.00048		0.0002	J	0.00059		0.00032	J
Cl4-BZ#43/#49	MG/KG	0.0033		0.0052		0.0026		0.0075		0.0036	
Cl4-BZ#44	MG/KG	0.00066		0.00088		0.00053		0.0014		0.00066	
Cl4-BZ#45	MG/KG	0.00048	U	0.0001	J	0.00046	U	0.00015	J	0.0001	J
Cl4-BZ#46	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl4-BZ#47/#48	MG/KG	0.0021		0.0033		0.0017		0.0044		0.0022	
Cl4-BZ#50	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl4-BZ#51	MG/KG	0.0001	J	0.00013	J	0.0001	J	0.00018	J	0.00047	U
Cl4-BZ#52	MG/KG	0.003		0.0046		0.0024		0.0074		0.0036	
Cl4-BZ#53	MG/KG	0.00014	J	0.00017	J	0.00011	J	0.00032	J	0.00012	J
Cl4-BZ#54	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl4-BZ#56/#60	MG/KG	0.0006	J	0.00079	J	0.00053	J	0.0012		0.00057	J
Cl4-BZ#63	MG/KG	0.00023	J	0.0003	J	0.00019	J	0.00047		0.00019	J
Cl4-BZ#64	MG/KG	0.00025	J	0.00035	J	0.00018	J	0.00065		0.00035	J
Cl4-BZ#66	MG/KG	0.0032		0.0047		0.0028		0.0068		0.0031	
Cl4-BZ#70	MG/KG	0.00049		0.00078		0.00035	J	0.00094		0.0006	
Cl4-BZ#74	MG/KG	0.0014		0.0021		0.0014		0.0033		0.0014	
Cl4-BZ#76	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl4-BZ#77	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl4-BZ#81	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl5-BZ#82	MG/KG	0.00048	U	0.00031	J	0.00017	J	0.0004	J	0.00017	J
Cl5-BZ#83	MG/KG	0.00015	J	0.00022	J	0.00013	J	0.00033	J	0.00013	J
Cl5-BZ#85	MG/KG	0.0012		0.0021		0.0012		0.0024		0.0012	
Cl5-BZ#87	MG/KG	0.0011		0.002		0.0013		0.003		0.0012	
Cl5-BZ#89	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Cl5-BZ#91	MG/KG	0.00083		0.0013		0.00065		0.0018		0.00087	

Table 7B Sample Data for Scup (mg/kg wet weight) Area III 2006

	Sample#	NBH06-FF-A-3	NBH06-FF-B-3	NBH06-FF-C-3	NBH06-FF-D-3	NBH06-FF-E-3
CI5-BZ#92	MG/KG	0.00082	0.0012	0.00068	0.0023	0.00085
CI5-BZ#95	MG/KG	0.0011	0.0019	0.0011	0.0033	0.0012
CI5-BZ#97	MG/KG	0.002	0.0036	0.0018	0.0045	0.0019
CI5-BZ#99	MG/KG	0.01	0.017	0.01	0.021	0.01
CI5-BZ#100	MG/KG	0.00015 J	0.00031 J	0.00015 J	0.00035 J	0.00015 J
CI5-BZ#101/#84	MG/KG	0.0095	0.016	0.01	0.022	0.0096
CI5-BZ#104	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI5-BZ#105	MG/KG	0.0023	0.0034	0.0024	0.0053	0.0021
CI5-BZ#107	MG/KG	0.0016	0.0024	0.0015	0.0038	0.0015
CI5-BZ#110	MG/KG	0.003	0.0046	0.0024	0.0074	0.0034
CI5-BZ#114	MG/KG	0.00048 U	0.00014 J	0.00046 U	0.0002 J	0.00047 U
CI5-BZ#118	MG/KG	0.012	0.018	0.012	0.029	0.012
CI5-BZ#119	MG/KG	0.00063	0.001	0.00051	0.0013	0.00065
CI5-BZ#123	MG/KG	0.00029 J	0.00048	0.00029 J	0.00081	0.00027 J
CI5-BZ#124	MG/KG	0.00048 U	0.00015 J	0.00011 J	0.0002 J	0.00009 J
CI5-BZ#126	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI6-BZ#129	MG/KG	0.00013 J	0.0002 J	0.00046 U	0.00032 J	0.00047 U
CI6-BZ#130	MG/KG	0.00063	0.00089	0.00054	0.0017	0.00052
CI6-BZ#131	MG/KG	0.0001 J	0.00013 J	0.00093 U	0.00087 U	0.00094 U
CI6-BZ#132/#168	MG/KG	0.00052 J	0.00086 J	0.00044 J	0.0014	0.00045 J
CI6-BZ#134	MG/KG	0.00033 J	0.00049	0.00029 J	0.00079	0.00031 J
CI6-BZ#135/#144	MG/KG	0.00041 J	0.00068 J	0.00042 J	0.0012	0.00043 J
CI6-BZ#136	MG/KG	0.00034 J	0.00039 J	0.00025 J	0.00095	0.00031 J
CI6-BZ#137	MG/KG	0.00046 J	0.00078	0.00058	0.0012	0.00043 J
CI6-BZ#138/#163	MG/KG	0.015	0.024	0.015	0.037	0.015
CI6-BZ#141	MG/KG	0.00039 J	0.00064	0.00041 J	0.001	0.00031 J
CI6-BZ#146	MG/KG	0.0041	0.0062	0.0044	0.0097	0.0043
CI6-BZ#147	MG/KG	0.00055	0.00083	0.00051	0.0013	0.00049
CI6-BZ#149	MG/KG	0.0038	0.0062	0.0034	0.0096	0.0038
CI6-BZ#151	MG/KG	0.00079	0.0013	0.00065	0.0022	0.00072
CI6-BZ#153	MG/KG	0.024	0.034	0.024	0.056	0.022
CI6-BZ#154	MG/KG	0.00046 J	0.00085	0.00051	0.00097	0.00048
CI6-BZ#155	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI6-BZ#156	MG/KG	0.0012	0.0018	0.0012	0.0027	0.0011
CI6-BZ#157	MG/KG	0.00038 J	0.00054	0.00039 J	0.00079	0.00031 J
CI6-BZ#158	MG/KG	0.00096	0.0015	0.0011	0.0022	0.00089
CI6-BZ#167/#128	MG/KG	0.0036	0.0056	0.0037	0.008	0.0034
CI6-BZ#169	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#170/#190	MG/KG	0.0018	0.0026	0.0018	0.0038	0.0016
CI7-BZ#171	MG/KG	0.00051	0.0007	0.00058	0.00097	0.00043 J
CI7-BZ#172	MG/KG	0.00027 J	0.00036 J	0.00025 J	0.00057	0.00022 J
CI7-BZ#173	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#174	MG/KG	0.00029 J	0.00036 J	0.0002 J	0.00056	0.00017 J
CI7-BZ#175	MG/KG	0.00048 U	0.00017 J	0.00015 J	0.00023 J	0.0001 J
CI7-BZ#176	MG/KG	0.00013 J	0.00015 J	0.0001 J	0.00024 J	0.00047 U
CI7-BZ#177	MG/KG	0.00051	0.00077	0.00048	0.0012	0.00036 J
CI7-BZ#178	MG/KG	0.00029 J	0.00046 J	0.00023 J	0.00069	0.00025 J
CI7-BZ#180	MG/KG	0.0032	0.0046	0.0037	0.0068	0.0027
CI7-BZ#182/#187	MG/KG	0.0033	0.0051	0.0039	0.007	0.003
CI7-BZ#183	MG/KG	0.0011	0.0016	0.0014	0.0022	0.00094
CI7-BZ#184	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#185	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#188	MG/KG	0.00048 U	0.00047 U	0.00046 U	0.00043 U	0.00047 U
CI7-BZ#189	MG/KG	0.00012 J	0.0002 J	0.00011 J	0.00018 J	0.0001 J
CI7-BZ#191	MG/KG	0.00048 U	0.0001 J	0.00046 U	0.00018 J	0.00047 U
CI7-BZ#193	MG/KG	0.00036 J	0.00042 J	0.00033 J	0.00061	0.00024 J
CI8-BZ#194	MG/KG	0.00059	0.00077	0.00061	0.0012	0.00054
CI8-BZ#195	MG/KG	0.00019 J	0.00027 J	0.0002 J	0.00033 J	0.00014 J
CI8-BZ#196/203	MG/KG	0.00064 J	0.001	0.00078 J	0.0013	0.0006 J

Table 7B Sample Data for Scup (mg/kg wet weight) Area III 2006

	Sample#	NBH06-FF-A-3		NBH06-FF-B-3		NBH06-FF-C-3		NBH06-FF-D-3		NBH06-FF-E-3	
CI8-BZ#197	MG/KG	0.00048	U	0.00011	J	0.00046	U	0.00009	J	0.00047	U
CI8-BZ#199	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
CI8-BZ#200	MG/KG	0.00019	J	0.00027	J	0.00026	J	0.00031	J	0.00017	J
CI8-BZ#201	MG/KG	0.00049		0.00075		0.00047		0.0011		0.00041	J
CI8-BZ#202	MG/KG	0.00028	J	0.00039	J	0.00024	J	0.00044		0.00018	J
CI8-BZ#205	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
CI9-BZ#206	MG/KG	0.00044	J	0.00077		0.00047		0.00072		0.00041	J
CI9-BZ#207	MG/KG	0.00011	J	0.00011	J	0.00019	J	0.00015	J	0.00009	J
CI9-BZ#208	MG/KG	0.00017	J	0.00027	J	0.00021	J	0.00031	J	0.00016	J
CI10-BZ#209	MG/KG	0.00019	J	0.00035	J	0.00028	J	0.00029	J	0.00019	J
Aroclor-1232	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Aroclor-1242	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Aroclor-1248	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Aroclor-1254	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U
Aroclor-1260	MG/KG	0.00048	U	0.00047	U	0.00046	U	0.00043	U	0.00047	U

Appendix B

Data Validation Summary Massachusetts Department of Environmental Protection New Bedford Harbor Seafood Contaminant Survey Monitoring 2006 Sampling

Introduction:

Forty-one fish tissue samples were collected from New Bedford Harbor, MA, during 2006. Samples were preserved by freezing (-20°C) and were received in April, May, June, and July, 2006, 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 three separate data sets: 0608009 (quahogs), 0608010 (lobster meat/blue crabs), and 0608013 (lobster tomalley). 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 (only if problems noted in case narrative)
- * Continuing Calibration (only if problems noted in case narrative)
- * Blanks
- * Surrogate Standards
- * Standard Reference Material
- * Laboratory Control Samples
- * Matrix Spike/Matrix Spike Duplicates
- * Laboratory Duplicates
- * Internal Standards (only if problems noted in case narrative)
- * 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 2006 data.

Blanks

PCB (0608009) – Congeners BZ 1 (1.4 ug/kg), BZ 4/10 (1.4 ug/kg), BZ 5/8 (0.43 ug/kg), BZ 19 (0.36), BZ 18 (0.11 ug/kg), BZ 17 (0.15 ug/kg), BZ 24/27 (0.22), BZ 16/32 (0.15 ug/kg), BZ 28/31 (0.26 ug/kg), BZ 53 (0.614ug/kg), BZ 52 (0.18 ug/kg), BZ 43/49 (0.11 ug/kg), BZ 99 (0.12 ug/kg), and Total PCBs (65 ug/kg) were detected in the method blank associated with all samples. All blank detections except BZ 1 (1.4 ug/kg) and BZ 4/10 (1.4 ug/kg) were less than the reporting limits. Action levels were established at five times the blank concentration for each detected analyte. 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 (0608013) – Congeners BZ 28/31 (0.25 ug/kg), BZ 52 (0.17 ug/kg), BZ 43/49 (0.37 ug/kg), BZ 153 (0.23 ug/kg), BZ 138/163 (0.18 ug/kg), BZ 178 (0.25 ug/kg), and Total PCBs (110 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 analyte. 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.

Standard Reference Material (SRM)

PCB (0608010) – An SRM sample was not extracted and analyzed with the lobster meat/blue crabs data set.

PCB (0608013) – An SRM sample was not extracted and analyzed with the lobster tomalley data set.

Laboratory Control Samples

PCB (0608010) – Percent recoveries for congeners BZ 95 (59) and BZ 77 (59) in the laboratory control sample duplicate extracted concurrently with SDG 0608010 were outside the 60-140 control limits. A potential slight low bias is indicated for these congeners; therefore, positive and non-detected results for BZ 95, BZ 77, and Total PCBs were qualified as estimated (J/UJ) in all samples in SDG 0608010.

PCB (0608013) – Percent recoveries for congeners BZ 74 (59, 59), BZ 95 (57/55), BZ 81 (55), and BZ 77 (54) in the laboratory control sample/laboratory control sample duplicate (LCS/LCSD) analyzed concurrently with SDG 0608013 were outside the 60-140 control limits. Potential slight low biases are indicated for the affected congeners and Total PCBs results.

Positive detections for these congeners and Total PCBs were reported in all samples and were qualified as estimated (J).

Matrix Spike/Matrix Spike Duplicates

PCB (0608009) – Percent recoveries for PCB congeners BZ 18 (58, 55), BZ 28/31 (55, 44), BZ 52 (51, 35), BZ 43/49 (41), BZ 95 (57, 52), BZ 110 (50), and BZ 138/163 (59) in the matrix spike and/or matrix spike duplicate of NBH06-SF-A-1 were below laboratory control limits of 60-140 indicating potential low biases. The positive results for Total PCBs and congeners BZ 18, BZ 28/31, BZ 52, BZ 43/49, BZ 95, BZ 110, and BZ 138/163 in sample NBH05-L-A-3 were qualified as estimated (J).

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 October 20, 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 2006 Annual Report

Frank Germano, Aquatic Biologist III
Massachusetts Division of Marine Fisheries
December 14, 2006

The Massachusetts Division of Marine Fisheries (*Marine Fisheries*) under an agreement with the Massachusetts Department of Environmental Protection (MassDEP) 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 Alpha Woods Hole Laboratories in Raynham, Massachusetts for analysis. MassDEP provides the results of the analyses to EPA to monitor and support the site remediation project. This report describes *Marine Fisheries*' field activities for 2006 in accordance with the Seafood Monitoring and Field Sampling Work Plan and makes recommendations for the upcoming 2007 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. These three Fish Closure Areas were designated by the Mass. Dept. of Public Health in 1979.

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).

2006 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 Collection Forms 1 to 7.

American lobster (*Homarus americanus*) & Blue crab (*Callinectes sapidus*)

Lobsters and blue crabs were harvested by pots in the spring and early summer. Three legal size lobsters were collected at each of the five stations in Areas 2 and 3 in March and April (see

Figure 2 and Collection Form 1). Three lobsters 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 in June and July (see Figure 3 and Collection Form 2).

Quahog (*Mercenaria mercenaria*)

Marine Fisheries collected quahogs from all fifteen stations in the three Fish Closure Areas prior the summer spawning season in April, May, and June (see Figure 4 and Collection Form 3). Twelve legal size quahogs were collected from each station in order to provide sufficient sample sizes for the Work Plan.

Alewife (*Alosa pseudoharengus*)

Alewifes were sampled at the head of the Acushnet River in Area 1. Five alewifes were collected from each station (above and below the Saw Mill Dam) in April and May (see Figure 5 and Collection Form 4). Alewife enter the Acushnet River in the spring to spawn in the pond above the dam.

American eel (*Anguilla rostrata*)

Eels were harvested using traditional eel pots at five stations in Area 1 and at station C, just south of the hurricane barrier in Area 2 during the months June and August (see Figure 6 and Collection Form 5). Three legal-sized eels were collected at each station. Despite intensive sampling efforts, no eel were taken from the remaining portion of Area 2 and Area 3. As noted in previous reports, these areas are not considered to optimum habitat for eels.

Black Sea Bass (*Centropristes striata*)

As a result of the difficulty in collecting benthic species in the remaining portion of Area 2 and Area 3, the bottom feeding black sea bass were harvested by rod and reel and fish pots in Area 2 and Area 3 during the months of June through August (see Figure 7 and Collection Form 6). As per the work plan, three legal size black sea bass were harvested from each of these stations.

Winter Flounder (*Pseudopleuronectes americanus*)

In an effort to collect winter flounder in Areas 2 & 3, fish pots were set at several different locations. A single winter flounder (*Pseudopleuronectes americanus*) was collected at station C in Area 2 during the month of April (see Figure 8 and Collection Form 6). Despite considerable effort, no flounder were harvested at any other 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 during the month of July (see Figure 9 and Collection Form 7). 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 the period June - September. However, as the area is not suitable scup habitat, no legal size fish were caught north of the hurricane barrier.

Planning for 2007 Field Collections

Marine Fisheries is preparing to implement the sampling plan for 2007. As a result of recent dredging in the river and harbor, several sampling stations in Area 1 will be need to be moved. The new stations should be within a quarter mile or less from the existing stations.

Alewife, quahog, lobster, blue crab, eel, scup & sea bass sampling will resume similar to last year, beginning in April and continue through October. Lobster will be collected in Areas 2 and 3, and efforts will continue to collect lobster in Area 1. However, as this is not considered lobster habitat, blue crabs, as in past years, will again replace lobsters as the target crustacean species in that area.

An effort will once again be made to collect winter flounder as a benthic species at all stations in all areas. Sampling will start in March, if the river and harbor are free of ice, to collect winter flounder while spawning in Areas 1 and 2. If winter flounder can not be collected at any stations in Areas 2 and 3, black sea bass will again as in the past, be harvested in their place.

ATTACHMENT 1

DMF HARVEST SITE MAPS

- 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 Alewife Sample Locations - Area I
- Figure 6 American Eel Sample Locations - Area I & II
- Figure 7 Sea Bass Sample Locations - Area II & III
- Figure 8 Winter Flounder Sample Locations - Area II
- Figure 9 Scup Sample Locations - Area II & III

Note: These figures are in the main body of the “Contaminated Monitoring Report for Seafood Harvested in 2006 from the New Bedford Harbor Superfund Site” Report and the same figure numbers apply.

ATTACHMENT 2

DMF FIELD COLLECTION SHEETS

Field Collection Form 1 Lobster
Field Collection Form 2 Blue Crab
Field Collection Form 3 Quahog
Field Collection Form 4 Alewife
Field Collection Form 5 American Eel
Field Collection Form 6 Black Sea Bass and Flounder
Field Collection Form 7 Scup

FIELD COLLECTION FORM 1: DIVISION OF MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD,
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ☐ FROZEN ☒ SAMPLE

DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
06/04/06	NBH06-L-A-3	3 Lobsters	Station A Angelica Rock	NBH Area 3	041 34.664' 070 51.566'	Lobster Pots	
06/04/06	NBH06-L-B-3	3 Lobsters	Station B Radome R"8"	NBH Area 3	041 32.302' 070 54.353'	Lobster Pots	
06/04/06	NBH06-L-C-3	3 Lobsters	Station C SP Rock C"1"	NBH Area 3	041 31.522' 070 56.268'	Lobster Pots	
06/04/06	NBH06-L-D-3	3 Lobsters	Station D Sand Spit R"4"	NBH Area 3	041 31.861' 070 54.799'	Lobster Pots	
12/04/06	NBH06-L-E-3	3 Lobsters	Station E Lone Rock N"4"	NBH Area 3	041 33.635' 070 54.926'	Lobster Pots	
06/04/06	NBH06-L-A-2	3 Lobsters	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Lobster Pots	
21/04/06	NBH06-L-B-2	3 Lobsters	Station B Sconticut Neck	NBH Area 2	041 35.938' 070 52.043'	Lobster Pots	
22/03/06	NBH06-L-C-2	3 Lobsters	Station C Ricketsons Pt.	NBH Area 2	041 34.785' 070 55.936'	Lobster Pots	
21/04/06	NBH06-L-D-2	3 Lobsters	Station D E-Fort Rodman	NBH Area 2	041 35.767' 070 53.922'	Lobster Pots	
27/04/06	NBH06-L-E-2	3 Lobsters	Station E Fort Phoenix	NBH Area 2	041 37.422' 070 54.171'	Lobster Pots	
27/04/06	NBH06-L-E-1	3 Lobsters	Station E E of opening	NBH Area 1	041 37.582' 070 54.181'	Lobster Pots	

FIELD COLLECTION FORM 2: DIVISION OF MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ☐ FROZEN ☒
SAMPLE

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
14/07/06	NBH06-L-A-1	3 Blue Crabs	Station A N of Coggeshall	NBH Area 1	041 39.622' 070 55.012'	Crab Pots	
07/07/06	NBH06-L-B-1	3 Blue Crabs	Station B S of Rte 195	NBH Area 1	041 39.330' 070 54.965'	Crab Pots	
11/07/06	NBH06-L-C-1	3 Blue Crabs	Station C NE of Popes	NBH Area 1	041 38.703' 070 54.820'	Crab Pots	
28/06/06	NBH06-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, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD,
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:
COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ☐ FROZEN ☒

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
20/06/06	NBH06-SF-A-1	12 Quahogs	Station A West of barrier opening	NBH Area 1	041 37.401' 070 54.617'	Rake	
20/06/06	NBH06-SF-B-1	12 Quahogs	Station B Palmer's Island	NBH Area 1	041 37.330' 070 54.847'	Rake	
20/06/06	NBH06-SF-C-1	12 Quahogs	Station C Crow's Island	NBH Area 1	041 38.251' 070 54.646'	Rake	
20/06/06	NBH06-SF-D-1	12 Quahogs	Station D N. of Gifford's Marina	NBH Area 1	041 38.773 070 54.688'	Rake	
20/06/06	NBH06-SF-E-1	12 Quahogs	Station E Tin Can Island	NBH Area 1	041 39.172' 070 55.058'	Rake	
20/06/06	NBH06-SF-A-2	12 Quahogs	Station A Clarks Cove	NBH Area 2	041 36.812' 070 55.307'	Rake	
20/06/06	NBH06-SF-B-2	12 Quahogs	Station B Rogers Street	NBH Area 2	041 36.473' 070 55.863'	Rake	
20/06/06	NBH06-SF-C-2	12 Quahogs	Station C Davy Locker Beach	NBH Area 2	041 35.796' 070 54.117'	Rake	
20/06/06	NBH06-SF-D-2	12 Quahogs	Station D Egg Island	NBH Area 2	041 36.699 070 53.258'	Rake	
20/06/06	NBH06-SF-E-2	12 Quahogs	Station E S. of Hurricane Barrier	NBH Area 2	041 36.892' 070 54.530'	Rake	
20/06/06	NBH06-SF-A-3	12 Quahogs	Station A Little Island	NBH Area 3	041 35.500' 070 57.130'	Rake	

FIELD COLLECTION FORM 3 (Continued): DIVISION OF MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ☐ FROZEN ☒
SAMPLE

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
19/06/06	NBH06-SF-B-3	12 Quahogs	Station B Star of the Sea	NBH Area 3	041 35.473' 070 57.610'	Rake	
20/06/06	NBH06-SF-C-3	12 Quahogs	Station C Wilbur's Point	NBH Area 3	041 35.290' 070 51.191'	Rake	
26/05/06	NBH06-SF-D-3	12 Quahogs	Station D Nakata Beach	NBH Area 3	041 35.290' 070 50.915'	Rake	
14/04/06	NBH06-SF-E-3	12 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, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ☐ FROZEN ☒
SAMPLE

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
2/05/06	NBH06-FF-A-1	5 Alewife	Station A Dam	NBH Area 1	041 40.900' 070 55.125'	Net	
28/04/06	NBH06-FF-B-1	5 Alewife	Station B Below Dam	NBH Area 1	041 40.900' 070 55.125'	Net	

FIELD COLLECTION FORM 5: DIVISION OF MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD,
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey/ Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ☐ FROZEN ☒

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
22/06/06	NBH06-FF-A-1	3 American Eels	Station A Palmer's Island	NBH Area 1	041 37.500' 070 54.550'	Eel Pots	
28/06/06	NBH06-FF-B-1	3 American Eels	Station B North of Kelley's Marina	NBH Area 1	041 38.350' 070 54.490'	Eel Pots	
28/06/06	NBH06-FF-C-1	3 American Eels	Station C N. of Pope's Island	NBH Area 1	041 38.520' 070 54.840'	Eel Pots	
22/06/06	NBH06-FF-E-1	3 American Eels	Station E Revere Brass Pier	NBH Area 1	041 39.020' 070 55.210'	Eel Pots	
22/06/06	NBH06-FF-D-1	3 American Eels	Station D North of Coggeshall Bridge	NBH Area 1	041 39.580' 070 54.880'	Eel Pots	
10/08/06	NBH06-FF-C-2	3 American Eels	Station C W of Opening	NBH Area 2	041 37.180' 070 54.770'	Fish Pots	

FIELD COLLECTION FORM 6: DIVISION OF MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD,
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano SAMPLE CONDITION: FRESH ☐ FROZEN ☒

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
13/06/06	NBH06-FF-B-3	3 Black Sea Bass	Station B Negro Ledge	NBH Area 3	041 32.922' 070 52.023'	Rod and Reel	
16/08/06	NBH06-FF-D-3	3 Black Sea Bass	Station D Radome	NBH Area 3	041 32.281' 070 55.292'	Fish Pots	
16/08/06	NBH06-FF-C-3	3 Black Sea Bass	Station C R "8"	NBH Area 3	041 32.228' 070 54.306'	Rod and Reel	
05/07/06	NBH06-FF-A-3	3 Black Sea Bass	Station A Great Ledge	NBH Area 3	041 32.540' 070 53.766'	Rod and Reel	
13/07/06	NBH06-FF-E-3	3 Black Sea Bass	Station E Angelica Rock	NBH Area 3	041 34.711' 070 51.498'	Fish Pots	
05/07/06	NBH06-FF-B-2	3 Black Sea Bass	Station B E of Fort Rodman	NBH Area 2	041 35.596' 070 53.922'	Fish Pots	
26/08/06	NBH06-FF-D-2	3 Black Sea Bass	Station D Lighthouse	NBH Area 2	041 36.242' 070 53.683'	Fish Pots	
28/08/06	NBH06-FF-A-2	3 Black Sea Bass	Station A SMASST Pier	NBH Area 2	041 35.556' 070 54.669'	Fish Pots	
13/06/06	NBH06-FF-E-2	3 Black Sea Bass	Station E Egg Island	NBH Area 2	041 36.523' 070 53.258'	Fish Pots	
13/04/06	NBH06-FF-C-2	1 Winter Flounder	Station C W of Opening	NBH Area 2	041 37.380' 070 54.430'	Fish Pots	

FIELD COLLECTION FORM 7: DIVISION OF MARINE FISHERIES, NEW BEDFORD OFFICE, 838 S. RODNEY FRENCH BLVD,
NEW BEDFORD, MA 02744

PROJECT #: NBH06 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Frank Germano SHIPPER: MDMF Frank Germano CONDITION: FRESH ☐ FROZEN ☒
SAMPLE

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
26/07/06	NBH06-FF-A-3	5 Scup	Station A Great Ledge	NBH Area 3	041 32.540' 070 53.766'	Rod and Reel	
26/07/06	NBH06-FF-B-3	5 Scup	Station B Negro Ledge	NBH Area 3	041 32.922' 070 52.023'	Fish Pots	
26/07/06	NBH06-FF-C-3	5 Scup	Station C R "8"	NBH Area 3	041 32.228' 070 54.306'	Rod and Reel	
26/07/06	NBH06-FF-D-3	5 Scup	Station D Radome	NBH Area 3	041 32.281' 070 55.292'	Rod and Reel	
26/07/06	NBH06-FF-E-3	5 Scup	Station E Angelica Rock	NBH Area 3	041 34.711' 070 51.498'	Fish Pots	
26/07/06	NBH06-FF-A-2	5 Scup	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Fish Pots	
26/07/06	NBH06-FF-B-2	5 Scup	Station B E of Fort Rodman	NBH Area 2	041 35.596' 070 53.922'	Fish Pots	
26/07/06	NBH06-FF-C-2	5 Scup	Station C W of Opening	NBH Area 2	041 37.380' 070 54.430'	Fish Pots	
26/07/06	NBH06-FF-D-2	5 Scup	Station D Lighthouse	NBH Area 2	041 36.242' 070 53.683'	Fish Pots	
26/07/06	NBH06-FF-E-2	5 Scup	Station E Egg Rocks	NBH Area 2	041 36.523' 070 53.258'	Fish Pots	