CHEMICAL CONTAMINANT LEVELS IN FLESH OF FOUR SPECIES OF RECREATIONAL FISH FROM THE NEW YORK BIGHT APEX

PREPARED FOR THE
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SUMMARY

Contaminant analyses (for trace metals, PCBs, pesticides, PAHs, and chlorinated dioxins and furans) were performed on samples of muscle of four species of fish captured during the period they are available to the recreational fishery in the New York Bight apex. These species (bluefish, fluke, sea bass, and tautog) were selected to represent three behavioral guilds (pelagic, demersal, and reef). Muscle tissues from each of three fish of a single species, captured at a single site, were combined for analysis, yielding 56 composites.

Concentrations of nine trace metals in each species were low and within the range of values found in uncontaminated finfish muscle. In all composites, levels of total mercury (including methyl mercury) were less than 0.11 ppm (μg/g) which is an order of magnitude below the FDA Action Level of 1.0 ppm for methyl mercury in seafood.

Concentrations of PCBs and pesticides were relatively low and related to the lipid content of the tissue. The sum of the 25 PCB congeners measured in this study had a maximum value of 0.57 ppm in a bluefish composite compared with an FDA Action Level of 2.0 ppm. This maximum value (0.57 ppm) may be roughly translated to an "arochlor-based" estimate of 0.9 ppm. Species averages for the study were 0.37, 0.03, 0.08, and 0.06 ppm for bluefish, fluke, sea bass, and tautog, respectively. With few exceptions, PAHs were largely not detected.

Analyses of 17 dioxin and dibenzofuran congeners were too unreliable to allow interpretation.

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INTRODUCTION

The purpose of this survey was to determine the concentrations of inorganic and organic contaminants in edible flesh of recreationally important fish species harvested in the New York Bight apex (Fig. 1). The strategy involved measuring trace metal and organic contaminant levels in muscle tissue composites (three animals per composite) in four fish species collected in a manner simulating the local recreational fishery. Bluefish, fluke, sea bass, and tautog were selected because of their recreational importance and because they are distinguished by differences in their life habits and ecology representing pelagic, demersal, and reef guilds. This report contains data on 9 metals and 83 organic contaminants in 56 composites of three fish each. Tissue from each fish was also archived for future individual analyses, if necessary.

SAMPLE COLLECTION AND PROCESSING METHODS

Fish collection

Collections of fish were made between September and December 1993 at 15 sites in the New York Bight (Fig. 1). Sample collection locations are listed in the appendix (Table A1). The approach was to collect fish at the same times and places, and using the same techniques, as local recreational fishermen. Collections were made using rod and reel while fishing the grounds that were then in use. Locations were mapped by LORAN.

Four species from three different behavioral guilds were collected: bluefish, *Pomatomus saltatrix* (pelagic); fluke, *Paralichthys dentatus* (demersal); sea bass, *Centropristes striatus* (reef); and tautog, *Tautoga onitis* (reef). Fishing effort was allocated equally among guilds. Even though the distribution, density and composition of the recreational fish community was not known precisely beforehand, all target species were obtained in sufficient numbers in all areas sampled. Fish to be analyzed were allocated post-collection, based on collection location and species (Table A2).

Sample processing

Guidelines for fish handling used in a previous study of polychlorinated biphenyls (PCBs) in bluefish (NOAA, USFDA, USEPA 1986) were used for this survey. Whole fish were returned to the laboratory on ice, where they were held not more than 48 hours before dissection. In the laboratory, all dissections were done under a laminar-flow hood supplying HEPA Class 100 clean air. Implements and supplies used for sample processing (scalpels, etc.) were made of stainless

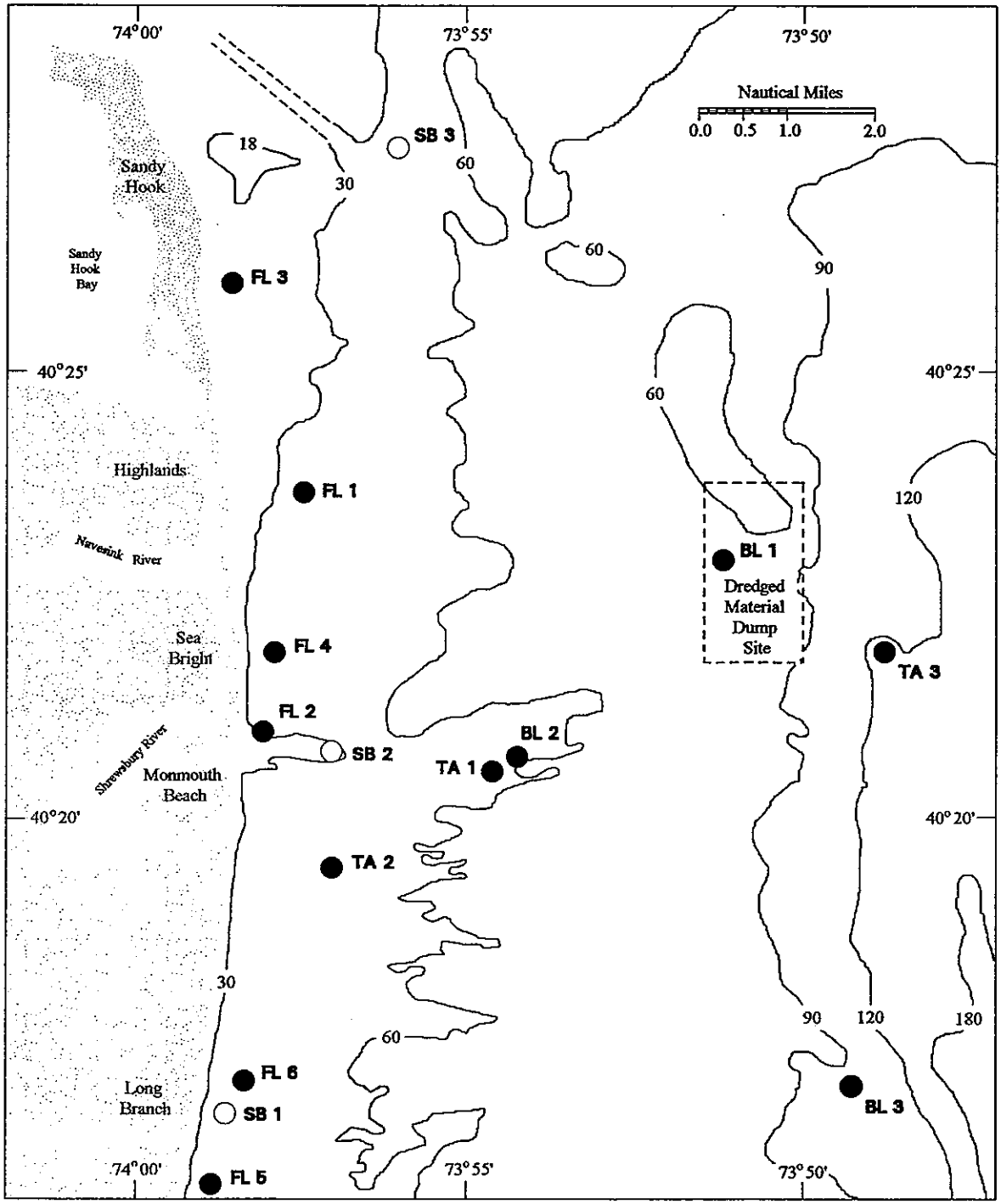

Figure 1. Study area showing sites of sample collection for bluefish (BL), fluke (FL), sea bass (SB) and tautog (TA).

steel and cleaned immediately prior to use with ultrapure 10% nitric acid, double deionized water (DDI), acetone, methylene chloride, and DDI again. For each specimen, weight was determined on an electronic balance (± 1 g), length was measured with a meter stick (± 1 mm), and gross abnormalities were noted. Where possible, sex was determined and recorded. In keeping with local consumption practices, fillets (muscle tissue) of fluke and tautog were prepared with the skin and scales removed. Bluefish and sea bass fillets included the skin intact with the scales removed.

For metals analyses, three small (approximately 2 cm^3 each), adjoining pieces of the muscle (with skin attached if appropriate) were excised from the anterior dorsal portion of the fillet using a stainless steel scalpel. When both white and dark muscle were present, white muscle was collected for analysis, while separate subsamples of dark muscle were archived for possible future analyses. All subsamples were placed in acid-cleaned plastic vials and stored at -20°C. For organic contaminant analyses, the remainder of the fillet was homogenized in a freshly cleaned stainless steel blender and stored in a glass jar at -80°C. Because of their size, for fluke and small specimens of other species, both fillets were homogenized.

Muscle tissue composites were made up of equal portions of the subsamples of three individual fish of a given species. Individual specimens were randomly assigned to composites as follows. For specimens of each species at each site, the distribution of lengths was examined. Outliers were identified using the Dixon Outlier test (Sokal and Rohlf 1981) and were excluded from further consideration. For the remaining specimens, a random number was assigned to each and the records were sorted using the assigned random number. An appropriate number of specimens was then selected. For example, if five composites were to be analyzed from that particular site, the first 15 specimens were selected. The selected specimens were then sorted by length. The first 3 were then assigned to the first composite, the second three were assigned to the second composite, etc. Remaining tissue and specimens not included in the composites were stored frozen at the Howard Laboratory.

TRACE METALS

Analytical Methods

For each composite, after thawing, approximately 0.5 g of muscle (with skin attached for sea bass and bluefish) from each of three individual subsamples was placed in an acid-cleaned teflon vial and weighed. These were dried overnight at 60-65°C and re-weighed to obtain dry weights. Five mL of ultrapure, concentrated HNO_3 was added to each vial and the vials were allowed to stand at

room temperature for 2-4 hours. Vials were then placed inside teflon-lined bombs and the tissue was digested overnight at 120°C. After cooling, bombs were vented, the vials removed, and the digests were allowed to de-gas at room temperature overnight. The digests were then quantitatively transferred to 25-mL glass graduated cylinders and brought to volume using DDI water. The resulting solutions were analyzed using atomic absorption spectrophotometry (AAS) or inductively coupled plasma mass spectrometry (ICPMS). Details of the sample digestion and analysis procedures can be found in Zdanowicz *et al.* (1993).

Composites were analyzed for nine metals: silver (Ag), cadmium (Cd), chromium (Cr), copper (Cu), nickel (Ni), lead (Pb), zinc (Zn), arsenic (As) and mercury (Hg). Fourteen composites per species were analyzed, totaling 56 muscle composites. Three replicates of a standard reference material (SRM) and 3 process blanks were analyzed with each group of 28 composites. DOLT-1 (freeze-dried dogfish liver), obtained through the National Research Council of Canada, was used as the reference material. Results for the SRM analyses are listed in the appendix (Table B1). Method detection limits (MDLs) were computed as 3 times the standard deviation of the mean process blank (n=6) for each metal. MDLs were computed based on 1 g of muscle, digested and brought to 25 mL of solution (Table B1).

One composite from each species was analyzed in duplicate. The Relative Percent Differences (RPDs) were between approximately 2 and 15% for the nine metals in four duplicate analyses. RPDs were computed as

$$[\ |X_1 - X_2| \ / \ \{(X_1 + X_2) \ / \ 2\}\ ] \times 100$$

where the subscripts refer to the two replicates analyzed. Differences in mean metal concentrations between groups of specimens from different sites within each species and between species were investigated using analysis of variance (ANOVA, $\alpha = 0.05$) and Duncan's Multiple Range Test.

Results

Metal concentrations were all above the detection limits. Complete listings of analytical data are given in the appendix (Tables B2 and B3). Summary statistics (minimum, maximum, number of analyses, mean and standard deviation) were also computed for each metal for each species (Appendix Tables B4 and B5).

Metal concentrations in muscle composites from the four species were generally low and well within the ranges expected for metals in uncontaminated fish muscle (Fig. 2; Table 1). Values on a wet weight basis were less than 0.05 ppm for Ag; 0.1 to 0.5 ppm for Cd, Cr, Cu, Ni and Pb; 3.5 to 13.8 ppm for Zn; and 0.4 to 3.8 ppm for As. An Action Level has been set by FDA for methyl

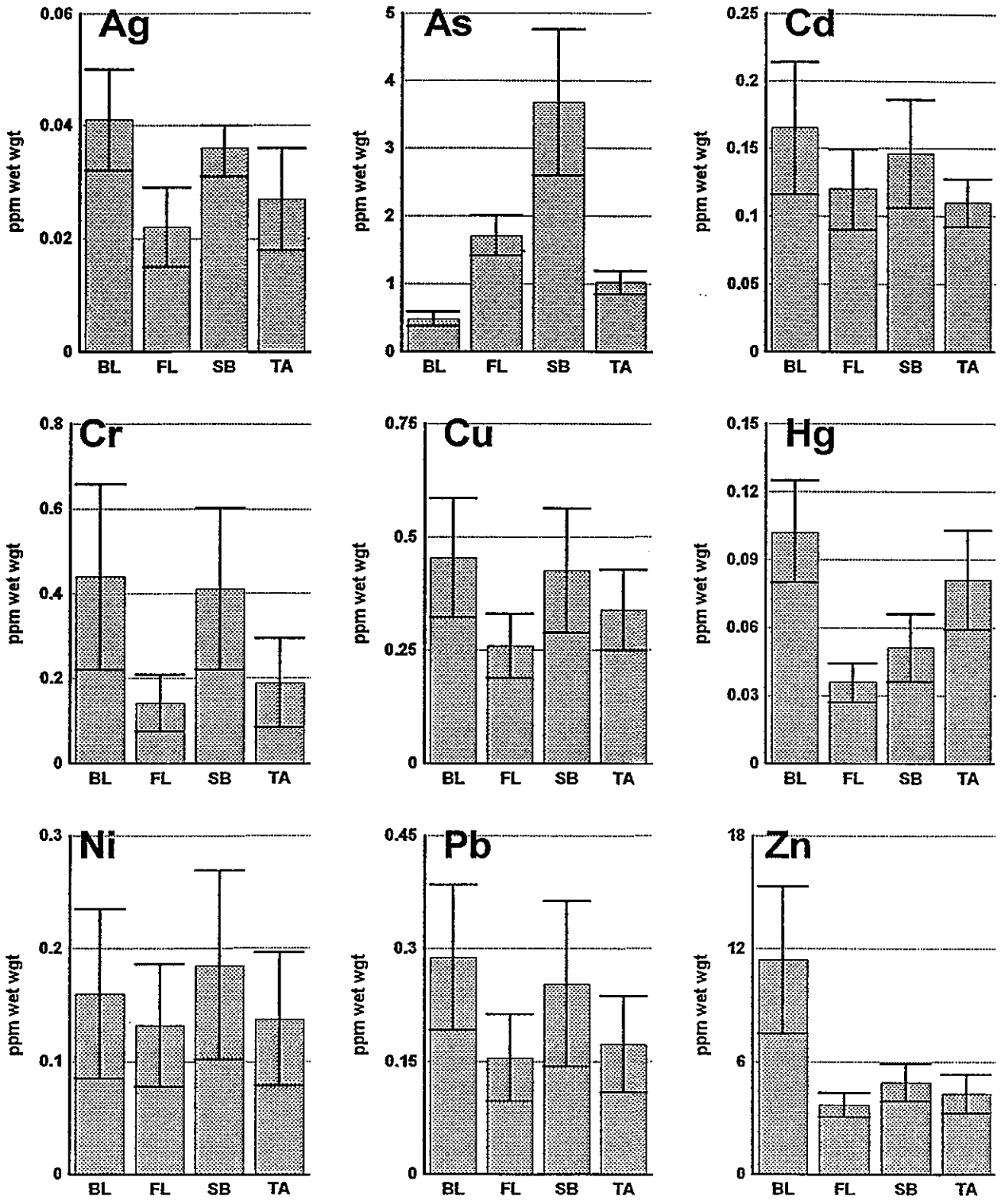

Figure 2. Mean (+/- 95% CI) concentrations (ppm = ug/g) of nine metals in muscle of four species of fish from the New York Bight . BL = bluefish, FL = fluke, SB = sea bass and TA = tautog.

Table 1. Mean metal concentrations, ppm (μg/g) wet weight, in composites at each site.

Station	Composites per station	AG	CD	CR	CU	NI	PB	ZN	AS	HG
Bluefish										
BL1	5	0.039	0.166	0.368	0.418	0.197	0.273	9.92	0.50	0.103
BL2	5	0.044	0.175	0.467	0.459	0.135	0.320	13.51	0.51	0.107
BL3	4	0.041	0.151	0.496	0.494	0.146	0.268	10.67	0.43	0.096
Fluke										
FL1	2	0.025	0.116	0.158	0.275	0.153	0.196	3.77	1.76	0.042
FL2	2	0.023	0.110	0.103	0.206	0.111	0.154	3.62	1.96	0.041
FL3	3	0.021	0.143	0.136	0.258	0.133	0.156	3.27	1.61	0.035
FL4	3	0.020	0.122	0.150	0.316	0.112	0.155	3.95	1.74	0.035
FL5	2	0.021	0.127	0.137	0.262	0.168	0.140	3.89	1.53	0.035
FL6	2	0.023	0.087	0.165	0.209	0.123	0.130	3.81	1.73	0.029
Sea bass										
SB1	4	0.033	0.138	0.368	0.471	0.157	0.227	5.13	3.72	0.060
SB2	5	0.039	0.153	0.461	0.391	0.208	0.285	5.05	3.52	0.049
SB3	5	0.034	0.145	0.396	0.423	0.186	0.242	4.51	3.81	0.045
Tautog										
TA1	5	0.024	0.113	0.183	0.330	0.143	0.174	4.53	1.03	0.086
TA2	4	0.031	0.110	0.233	0.409	0.163	0.172	4.63	1.10	0.082
TA3	5	0.027	0.106	0.163	0.292	0.113	0.173	3.82	0.95	0.077

mercury in fish or shellfish for human consumption at 1.0 ppm wet weight. The Hg analyses in this study determined total Hg content, a measurement which encompasses all species of mercury present including methyl mercury. The highest value in this study was 0.11 ppm. Thus, the FDA Action Level for mercury was not exceeded in muscle from these species; measured levels were an order of magnitude lower.

For each species, mean concentrations of each metal at each site were compared to determine whether any statistically significant differences existed; none were found, indicating that collection location was not related to muscle levels of the metals in these species. Therefore, data from all sites were pooled by species and mean concentrations were compared on a species basis (Fig. 2); several significant differences in mean metal levels were found. They were:

Cr: bluefish = sea bass > tautog = fluke
Zn: bluefish > tautog = fluke = sea bass
As: sea bass > fluke > tautog > bluefish
Hg: tautog = bluefish > fluke = sea bass

where > identifies a significantly higher concentration in one or more

species and = indicates no significant difference between mean metal levels in two species.

These differences are probably related to the unique nature and behavior of each species. It is not uncommon to find differences in contaminant levels between species, for example, as were observed in midwater fish analyzed as part of a study of the 106 Mile Dumpsite (Zdanowicz *et al.* 1992). The differences, however, do not appear to be related to the behavioral guilds.

ORGANIC CONTAMINANTS

Analytical Methods

A total of 56 muscle composites was analyzed for 66 trace organic compounds (PCBs, PAHs, pesticides) using a modified NOAA procedure (Krahn *et al.* 1988), and for seventeen 2,3,7,8-substituted polychlorinated dibenzodioxin and dibenzofuran congeners using EPA method 8290 at a contract laboratory. For analysis of PCBs, PAHs, and pesticides, the procedure was to composite equal portions of three tissue subsamples (~4 g from each fish) and extract the analytes from the composite with methylene chloride using a soxhlet apparatus (NIST; Wise *et al.* 1990). Silica gel/alumina/florisil column chromatography was used to remove biogenic and other polar interferences. The cleaned fraction was further purified using size-exclusion high performance liquid chromatography (HPLC), then analyzed following EMAP procedures (USEPA 1993). PAHs were measured by gas chromatography-mass spectrometry in the selected ion mode (GC-MS-SIM) and PCBs and chlorinated pesticides were analyzed by dual-column capillary GC with an electron capture detector (GC-ECD). Samples containing higher levels of contaminants were reanalyzed by GC-MS for confirmation. Quality Assurance and Quality Control procedures followed EMAP protocols (Valente *et al.* 1992) and include participation in the annual NIST intercomparison exercise. Nomenclature for PCB compounds follows that of Ballschmiter and Zell (1980).

Results

Quality assurance results for the organic contaminants are contained in the appendix (Tables C1-C5 and C14-C18). The recovery of surrogate compounds ranged from 22.5% for naphthalene-d_8 in fluke to 167% for the HPLC surrogate 1,2,3-trichlorobenzene (TCB) in bluefish (Table C1). Consistent recoveries were found for the relatively non-volatile, octachlorinated biphenyl, BZ #198, which ranged from 85.3 to 94.9%. The low recoveries for naphthalene-d_8 in fluke are not unexpected considering the volatility of the compound, while the higher apparent recoveries of TCB in bluefish may be due to the co-elution of an unknown interfering compound(s) with the TCB peak. The analysis of NIST mussel tissue V,

QA93TIS5, with each analytical batch (Tables C2, C3, and C4) indicate good precision from batch to batch, although this material contained low concentrations of contaminants. The average relative standard deviation (RSD) for detected PCBs was 12.3% while for the 5 detected pesticides, average RSD was 13.5%; for PAHs, the average was 17.2%. Method detection limits (MDLs) for PCBs and pesticides were determined on 7 replicate fluke samples and are given in the bottom line of tables C6-C9. Because these values were 2.5 to 7 times the target detection limits (TDLs) of 2 ppb dry weight, a reanalysis of the detection limits was undertaken. It was determined that due to an assumption that the TDL was on a wet weight basis, the spike addition had been 25 times the TDL rather than the specified value of 1 to 5 times the TDL. Although the relative standard deviations were low (5-17%), the absolute standard deviation numbers (which determine the MDL) were high, resulting in MDLs about 5 times the TDL. To correct this problem, instrumental detection limits (IDLs) and estimated method detection limits based on the IDLs were determined (Table C21). For PCBs and chlorinated pesticides, estimated method detection limits ranged from 0.096 to 0.941 ppb, well below the TDL. A similar problem occurred for MDLs for PAHs determined on the fish matrix. The relative standard deviations and the MDLs based on those standard deviations were high due to over spiking of the matrix. A better estimate of the detection limit was obtained from the replicate analyses of mussel tissue. However, in the cases of four compounds a peak was not detected. For these, detection limits were estimated as follows. Assuming 10 g wet weight of muscle tissue, 50% efficiency in the sample extraction and cleanup steps, a 250 μL final sample volume, and an instrument (GC-MSD) detection limit of 200 pg/μL, the MDL calculates to be 10 ppb wet weight. The MDLs reported in Tables C6-C9 are conservative values. For example, for the PAHs where no peak was found, we assumed IDLs of 200 pg/μL where observed limits are in the 25-50 pg/μL range (Table C21). Estimated method detection limits for PAHs based on IDLs were 2 to 6 ppb dry weight compared with TDLs of 10 ppb.

Table C5 summarizes dioxin and dibenzofuran analyses performed on commercially available fish tissue for which consensus concentrations were gained from 18 laboratories. Recoveries ranged from roughly 3% to 1287% of the consensus values. The recoveries of the internal standards added to this material as part of the analytical method also varied over a wide range - from roughly 22% to 670%. However, there was no apparent correlation between the percent recoveries of compounds in the reference material and percent recoveries of internal standards. Percent recoveries of internal standards added to fish composites from the New York Bight (Table C14) ranged from not detected (ND) to 15,760%. Only 362 of 930 individual congener internal standard recoveries fell within the range of 40% to 150%, and for only one of 61 composites were recoveries of all congeners within the specified limits. The lowest number of within-target recoveries was for bluefish (62 of 240 or 25.8%). MDLs for the 17 dioxin and dibenzofuran congeners were above target levels (Tables C15-C16),

sometimes by a large margin. Finally, despite the fact that sample-specific EDLs (estimated detection limits as defined in Method 8290) were often comparable to target values, overall quality of QA results was poor and unacceptable.

Complete listings of analytical results for chlorinated hydrocarbons and PAHs in each composite on both wet and dry weight bases are given in the appendix (Tables C6-C11). Tables C12 and C13 list levels of total PCBs, "arochlor-based" PCBs, total DDTs, total chlordanes, percent lipids, and percent water. Only the wet weight based values will be discussed. Mean concentrations of PCBs and pesticides are summarized in Figure 3 and Table 2. A significant number of values in these analyses were below the method detection limit (MDL). Where this was the case, one-half of the MDL was used as the composite mean. Thus, the mean PCB concentrations for bluefish are based largely on detectable values while those for fluke are based predominantly on MDLs. Nonetheless, the difference between the levels in these two species appears real. However, the MDLs lack variance; therefore, comparisons similar to those done for the trace metals cannot be performed.

The maximum concentration of ΣPCB in this study, reaching 0.57 ppm, was found in bluefish collected in October 1993 at site BL3. Following bluefish in order of contaminant level (Fig. 3) were sea bass and tautog, approximately equal; concentrations in fluke were the lowest. The same order was found for lipid content. In column four of Table 2, the sum of PCB congener concentrations is multiplied by 2 to generate a rough approximation of "arochlor-based" historical total PCB data. This calculated estimate is based on models (NOAA 1989; USACE, USEPA 1992) of the form

$$\Sigma PCB = A\{\Sigma(18 \text{ congeners})\} + B$$

where A was found to have values of 1.95, 2.3, and 2.19, and B ranged from 2.1 to 8.1.

The highest of these estimates was 0.9 ppm, a value well below the Action Level of 2 ppm. Total DDT concentrations, on a species basis, followed the same order as ΣPCB and lipids (Fig. 3).

Associations between specimen lipid content or size and contaminant concentrations were plotted. This was made difficult by the presence of many contaminants at concentrations below the method detection limit (MDL). Where concentrations were below the MDL, the conservative value of one-half the MDL was used in calculations. The percentage of below-MDL values was 20% for bluefish, 91% for fluke, 57% for sea bass, and 63% for tautog. Given this caveat, it appears that PCB concentration increased with lipid content over all composites, and within species for sea bass, tautog, and bluefish (Fig. 4a). PCBs also

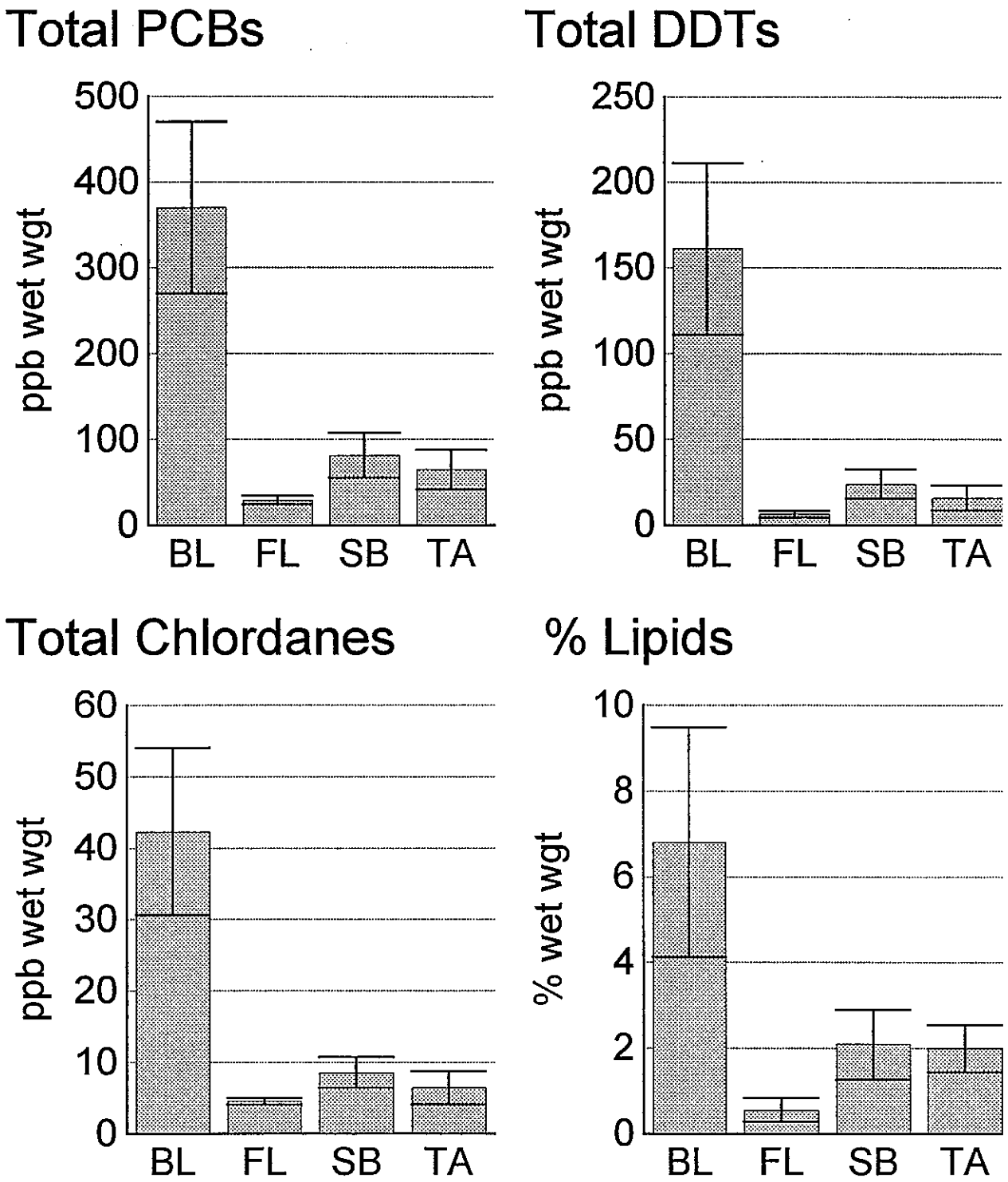

Figure 3. Mean (+/- 95% CI) concentrations (ppb = ng/g) of PCBs, DDTs, chlordanes and lipids in muscle of four species of fish from the New York Bight. BL = bluefish, FL = fluke, SB = sea bass and TA = tautog. Where concentrations were below the Method Detection Limit (MDL), one-half of the MDL was used. The percent of observations below the MDL were 20%, 91%, 57% and 63% for bluefish, fluke, sea bass and tautog, respectively.

Table 2. Mean total PCBs, total "arochlor-based" PCBs (multiplied by 2), total DDTs, total chlordanes, ppb (ng/g) wet weight; percent lipid and percent water in composites at each site.

Station	Composites per station	ΣPCB[a]	2x Σ18PCB[b]	ΣDDTs[c]	ΣChlordane[d]	Percent Lipid	Percent water
Bluefish							
BL1	5	321	568	161	36.0	6.04	73.2
BL2	5	371	607	167	42.8	6.03	70.3
BL3	4	430	716	153	49.5	8.71	68.8
Fluke							
FL1	2	27.0	38.7	5.39	4.86	0.562	78.1
FL2	2	27.1	38.8	5.39	4.52	0.466	77.4
FL3	3	36.4	51.1	9.62	5.07	0.923	78.2
FL4	3	27.5	37.8	5.74	4.42	0.507	77.5
FL5	2	26.9	36.6	5.39	4.13	0.356	76.2
FL6	2	27.7	36.6	5.39	4.13	0.351	76.9
Sea bass							
SB1	4	69.0	114	19.7	7.34	1.98	79.0
SB2	5	66.3	110	20.0	7.69	1.77	77.0
SB3	5	105	185	31.2	10.3	2.48	77.3
Tautog							
TA1	5	51.8	77.8	12.7	5.28	1.86	77.4
TA2	4	59.1	89.7	12.7	5.54	1.99	76.9
TA3	5	81.9	136	21.5	8.28	2.12	77.2

[a] Sum of 25 PCBs listed in Table A3.
[b] Estimated "arochlor-based" PCB ≈ 2 times the sum of 18 PCBs listed in Table A3 (see text).
[c] Sum of 5 DDTs listed in Table A3.
[d] Sum of 5 Chlordanes listed in Table A3.
[abcd] One-half the method detection limit (MDL) was used for values less than the detection limit (nd in appendix).

increased with length (which is closely correlated with weight; Fig. 5a) over all composites (Fig 4b). The limited size range sampled for each species does not permit within species interpretation. Similar, though less coherent, associations were found for DDTs (Fig. 4c,d).

PAHs were below detectable limits in the fish samples with the exception of acenaphthene in bluefish and benz(a)anthracene in fluke, sea bass and tautog. Detection limits based on mussel tissue (Table C4) ranged from 1.2 to 17.8 ppb (ng/g). This is expected as PAHs are extensively metabolized by the fish hepatic microsomal enzymes and the metabolites are temporarily stored in the bile until their excretion (Varanasi *et al.* 1989; Deshpande 1989). No readily apparent explanation is evident for the presence of these two compounds in fish tissue. It seems unlikely that the results for benz(a)anthracene are artifacts resulting from calculating detection limits, because all values were low with none of the detected

values exceeding the MDL by more than 50%. For acenaphthene, the MDL is based on incomplete quantification in the mussel tissue (4 of 8 values).

Dioxin results are given in Tables C19-C20. As stated earlier, QA results were of unacceptably poor quality. Since there was no correlation between percent recovery of compounds in the reference material and percent recovery of internal standards, the bias encountered during those analyses was not systematic and cannot be accounted for by use of some functional relation between the percent recoveries of compounds in the reference material and percent recoveries of internal standards. Thus, there is no possibility of correcting the reported dioxin concentrations for poor internal standard recoveries. Exacerbating this problem is the fact that MDLs were above target levels, sometimes by a large margin (to 8.7 pptr), and most dioxin values in composites were reported as below method detection limits (Tables C19-C20). Thus, one cannot know whether a compound was present in some low concentration, or the compound was not recovered in sufficient quantity to be quantified. In addition, the high values appearing in Tables C19 and C20 are also suspect, again due to poor recoveries of the internal standards. Together, these problems render the dioxin results too unreliable to allow interpretation. Efforts are underway to reanalyze the samples for these compounds to yield acceptable data which will be released in a supplemental report.

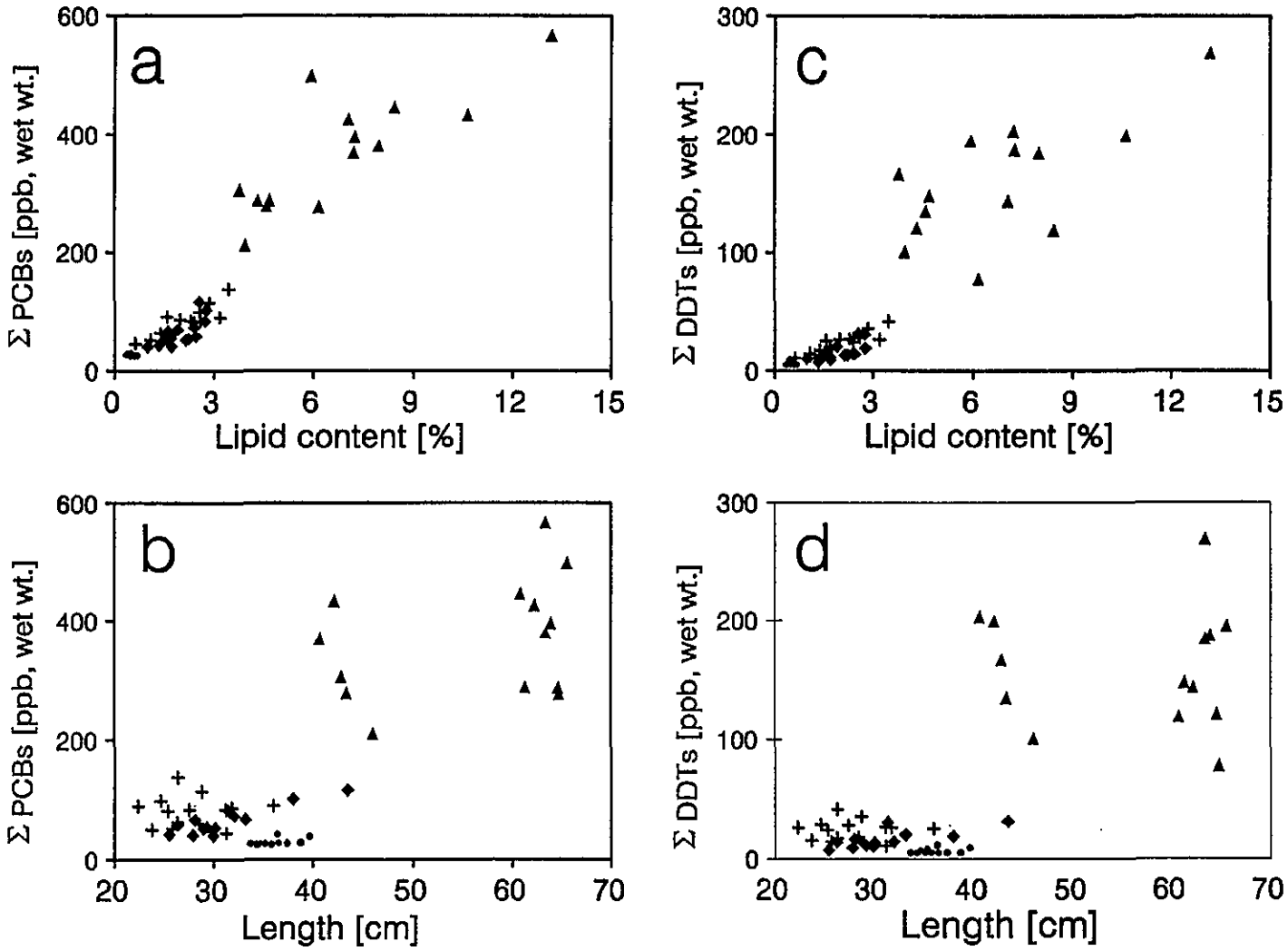

Figure 4. Relations between ΣPCBs (ppb = ng/g, wet weight) and lipid content (a) and average fish length per composite (b): ΣDDTs and lipid content (c) and average fish length per composite (d). Triangle = bluefish, circle = fluke, plus = sea bass, and diamond = tautog.

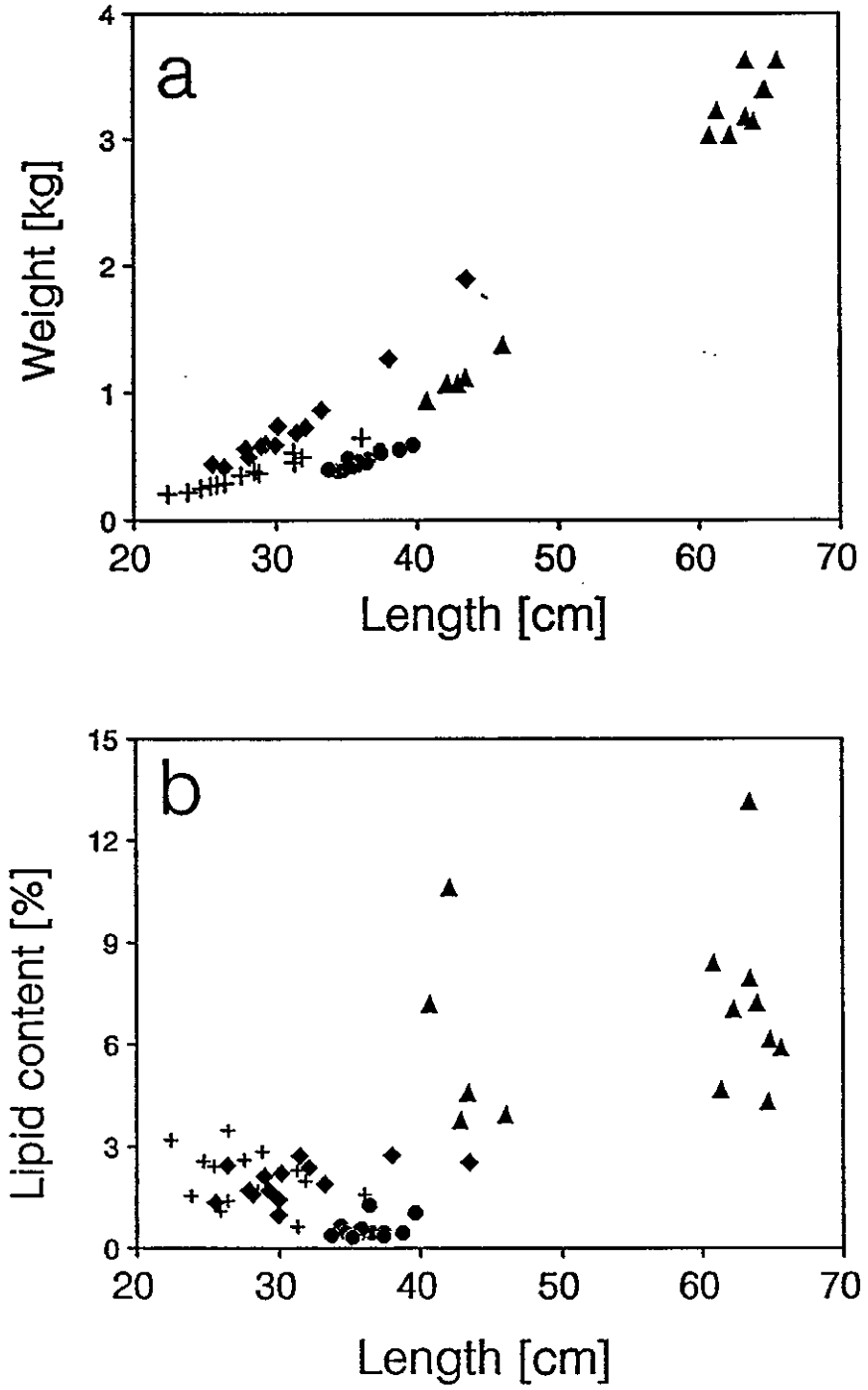

Figure 5. Relations between average fish length per composite and average fish weight per composite (a) and lipid content (b). Triangle = bluefish, circle = fluke, plus = sea bass, and diamond = tautog.

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Table A1. Sample collection site locations.

Species	Station	North Latitude	West Longitude	Sample Date	Number of Composites
Bluefish	BL1	40°22.9'	73°51.2'	09/23/93	5
	BL2	40°20.6'	73°54.7'	09/23/93	5
	BL3	40°17.0'	73°49.2'	10/14/93	4
Fluke	FL1	40°23.6'	73°57.4'	09/08/93	2
	FL2	40°20.9'	73°57.9'	09/08/93	2
	FL3	40°26.0'	73°58.4'	09/09/93	3
	FL4	40°21.9'	73°57.7'	09/09/93	3
	FL5	40°16.7'	73°58.2'	09/14/93	2
	FL6	40°18.2'	73°57.9'	09/14/93	2
Sea bass	SB1	40°16.7'	73°58.5'	09/16/93	4
	SB2	40°20.8'	73°56.9'	09/28/93	5
	SB3	40°27.5'	73°56.1'	09/30/93	5
Tautog	TA1	40°20.6'	73°55.3'	11/04/93	5
	TA2	40°19.5'	73°56.8'	11/09/93	4
	TA3	40°21.8'	73°48.8'	12/07/93	5

Table A2. Allocation of specimens to composites.

	Station	Length (mm)	Weight (g)	Sex*	Average Length (mm)	Average weight (g)	Composite Sample #
Bluefish	BL1	400	922.4	2	406.7	948.37	101
		405	914.7	2			
		415	1008	2			
	BL1	417	992.1	2	421.0	1080.0	102
		419	1037	2			
		427	1211	2			
	BL1	427	1034	2	428.3	1080.7	103
		429	1109	2			
		429	1099	2			
	BL1	430	1071	2	433.7	1128.0	104
		431	1122	2			
		440	1191	2			
	BL1	442	1205	2	460.3	1381.3	105
		469	1497	2			
		470	1442	2			
	BL2	605	2755	2	613.3	3231.0	106
		609	2966	2			
		626	3972	2			
	BL2	633	3128	2	634.0	3178.0	107
		634	3231	2			
		635	3175	2			
	BL2	637	3096	2	639.0	3143.7	108
		640	3540	2			
		640	2795	2			
	BL2	642	3239	2	646.3	3396.3	109
		647	3440	2			
		650	3510	2			
	BL2	654	3522	2	655.7	3635.0	110
		655	3576	2			
		658	3807	2			
	BL3	600	2804	2	608.0	3037.7	111
		609	3036	2			
		615	3273	2			
	BL3	617	3017	2	622.3	3035.0	112
		622	2927	2			
		628	3161	2			
	BL3	631	3610	2	634.0	3637.0	113
		633	3293	2			
		638	4008	2			
	BL3	640	3219	2	647.7	3396.3	114
		646	3368	2			
		657	3602	2			

* Male=1; Female=2; Indeterminate=3

Table A2. Allocation of specimens to composites (continued).

	Station	Length (mm)	Weight (g)	Sex*	Average Length (mm)	Average weight (g)	Composite Sample #
Fluke	FL1	338	359.1	2	343.3	393.73	115
		345	399.5	1			
		347	422.6	1			
	FL1	360	460.2	1	365.0	481.93	116
		366	499.8	1			
		369	485.8	1			
	FL2	352	468.7	1	356.7	437.87	117
		354	402.4	2			
		364	442.5	1			
	FL2	368	525.7	2	373.3	549.63	118
		371	558.4	2			
		381	564.8	2			
	FL3	352	441.0	2	353.3	426.00	119
		353	434.2	1			
		355	402.8	1			
	FL3	359	408.0	2	363.7	459.10	120
		366	497.4	2			
		366	471.9	1			
	FL3	375	438.0	2	396.3	596.37	121
		400	615.4	2			
		414	735.7	2			
	FL4	344	369.6	1	347.0	402.03	122
		348	421.6	1			
		349	414.9	1			
	FL4	356	462.2	1	357.7	469.60	123
		358	479.1	1			
		359	467.5	1			
	FL4	362	437.5	2	387.0	560.10	124
		381	554.1	1			
		418	688.7	2			
	FL5	336	401.5	1	336.7	405.40	125
		337	378.3	1			
		337	436.4	1			
	FL5	338	404.0	1	351.0	490.07	126
		356	412.8	2			
		359	653.4	2			
	FL6	346	391.0	2	351.3	422.80	127
		353	442.1	2			
		355	435.3	2			
	FL6	365	485.0	1	373.7	536.87	128
		374	559.4	2			
		382	566.2	2			

* Male=1; Female=2; Indertermiate=3

Table A2. Allocation of specimens to composites (continued).

	Station	Length (mm)	Weight (g)	Sex*	Average Length (mm)	Average weight (g)	Composite Sample #
Sea bass	SB1	222	215.4	3	224.0	208.47	129
		224	210.0	2			
		226	200.0	3			
	SB1	244	236.5	1	254.0	273.63	130
		254	273.5	2			
		264	310.9	2			
	SB1	270	295.0	3	285.0	387.07	131
		289	391.0	2			
		296	475.2	3			
	SB1	302	384.4	2	312.7	453.50	132
		312	525.3	2			
		324	450.8	1			
	SB2	236	225.6	1	238.0	224.23	133
		239	241.2	1			
		239	205.9	1			
	SB2	255	256.2	1	258.3	281.00	134
		260	295.6	2			
		260	291.2	3			
	SB2	262	274.4	1	263.7	289.77	135
		264	279.9	2			
		265	315.0	2			
	SB2	266	337.7	2	275.3	353.97	136
		271	332.7	2			
		289	391.5	1			
	SB2	296	458.6	2	312.3	533.47	137
		300	490.1	2			
		341	651.7	1			
	SB3	239	214.3	2	247.0	251.33	138
		249	239.3	1			
		253	300.4	2			
	SB3	262	298.5	2	264.0	296.37	139
		263	283.2	2			
		267	307.4	2			
	SB3	281	361.7	2	288.0	371.00	140
		288	346.6	2			
		295	404.7	2			
	SB3	295	430.7	1	318.3	495.10	141
		325	507.4	2			
		335	547.2	2			
	SB3	354	458.8	1	360.3	649.60	142
		356	703.0	2			
		371	787.0	1			

* Male=1; Female=2; Indeterminate=3

Table A2. Allocation of specimens to composites (continued).

	Station	Length (mm)	Weight (g)	Sex*	Average Length (mm)	Average weight (g)	Composite Sample #
Tautog	TA1	251	525.6	2	255.0	448.80	143
		255	425.3	2			
		259	395.5	2			
	TA1	276	509.3	2	278.7	564.23	144
		279	647.4	2			
		281	536.0	2			
	TA1	284	555.7	2	289.3	586.37	145
		291	626.8	2			
		293	576.6	2			
	TA1	299	733.8	2	301.0	744.27	146
		301	752.5	2			
		303	746.5	2			
	TA1	327	963.2	2	332.0	868.70	147
		332	781.9	1			
		337	861.0	2			
	TA2	261	383.1	1	263.3	420.10	148
		261	417.6	2			
		268	459.6	2			
	TA2	287	596.1	1	292.7	604.30	149
		293	591.6	2			
		298	625.2	1			
	TA2	299	542.3	1	299.3	594.73	150
		299	620.0	2			
		300	621.9	2			
	TA2	318	715.2	2	320.3	734.17	151
		318	725.0	1			
		325	762.3	2			
	TA3	266	400.7	1	281.0	503.03	152
		286	495.1	2			
		291	613.3	2			
	TA3	296	559.6	1	299.3	597.57	153
		299	585.5	2			
		303	647.6	2			
	TA3	304	628.6	1	314.3	690.63	154
		304	628.6	2			
		335	814.7	2			
	TA3	352	889.3	2	379.7	1272.1	155
		379	1313	2			
		408	1614	2			
	TA3	416	1658	2	434.3	1896.0	156
		431	1924	2			
		456	2106	1			

* Male=1; Female=2; Indeterminate=3

Table A3. Chemical compounds analyzed.

Polychlorinated biphenyls (PCB)[a]		Polycyclic aromatic hydrocarbons (PAH)	Pesticides
BZ #1 (1 Cl)	2-Chlorobiphenyl	naphthalene	hexachlorobenzene
BZ #8 (2 Cl)*	2,4'-Dichlorobiphenyl	2-methylnaphthalene	lindane
BZ #18 (3 Cl)*	2,2',5-Trichlorobiphenyl	1-methylnaphthalene	aldrin
BZ #28 (3 Cl)*	2,4,4'-Trichlorobiphenyl	biphenyl	endrin
BZ #29 (3 Cl)	2,4,5-Trichlorobiphenyl	2,6-dimethylnaphthalene	octachlorostyrene
BZ #44 (4 Cl)*	2,2',3,5'-Tetrachlorobiphenyl	acenaphthylene	photomirex
BZ #50 (4 Cl)	2,2',4,6-Tetrachlorobiphenyl	acenaphthene	mirex
BZ #52 (4 Cl)*	2,2',5,5'-Tetrachlorobiphenyl	2,3,5-trimethylnaphthalene	Chlordanes
BZ #66 (4 Cl)*	2,3',4,4'-Tetrachlorobiphenyl	fluorene	heptachlor
BZ #101 (5 Cl)*	2,2',4,5,5'-Pentachlorobiphenyl	phenanthrene	heptachlor epoxide
BZ #104 (5 Cl)	2,2',4,6,6'-Pentachlorobiphenyl	anthracene	oxychlordane
BZ #105 (5 Cl)*	2,3,3',4,4'-Pentachlorobiphenyl	1-methylphenanthrene	alpha-chlordane
BZ #118 (5 Cl)*	2,3',4,4',5-Pentachlorobiphenyl	fluoranthene	trans-nonachlor
BZ #126 (5 Cl)	3,3',4,4',5-Pentachlorobiphenyl	pyrene	DDTs
BZ #128 (6 Cl)*	2,2',3,3',4,4'-Hexachlorobiphenyl	benz(a)anthracene	o,p'-DDE
BZ #138 (6 Cl)*	2,2',3,4,4',5'-Hexachlorobiphenyl	chrysene	p,p'-DDE
BZ #153 (6 Cl)*	2,2',4,4',5,5'-Hexachlorobiphenyl	benzo(b)fluoranthene	p,p'-DDD
BZ #170 (7 Cl)*	2,2',3,3',4,4',5-Heptachlorobiphenyl	benzo(k)fluoranthene	o,p'-DDT
BZ #180 (7 Cl)*	2,2',3,4,4',5,5'-Heptachlorobiphenyl	benzo(e)pyrene	p,p'-DDT
BZ #187 (7 Cl)*	2,2',3,4',5,5',6-Heptachlorobiphenyl	benzo(a)pyrene	
BZ #188 (7 Cl)	2,2',3,4',5,6,6'-Heptachlorobiphenyl	perylene	
BZ #195 (8 Cl)*	2,2',3,3',4,4',5,6-Octachlorobiphenyl	indeno(1,2,3-cd)pyrene	
BZ #200 (8 Cl)	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	dibenz(a,h)anthracene	
BZ #206 (9 Cl)*	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	benzo(g,h,i)perylene	
BZ #209 (10 Cl)*	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl		

Dioxins	
2,3,7,8-TCDD	2,3,7,8-Tetrachlorodibenzo-*p*-dioxin
1,2,3,7,8-P5CDD	1,2,3,7,8-Pentachlorodibenzo-*p*-dioxin
1,2,3,4,7,8-H6CDD	1,2,3,4,7,8-Hexachlorodibenzo-*p*-dioxin
1,2,3,6,7,8-H6CDD	1,2,3,6,7,8-Hexachlorodibenzo-*p*-dioxin
1,2,3,7,8,9-H6CDD	1,2,3,7,8,9-Hexachlorodibenzo-*p*-dioxin
1,2,3,4,6,7,8-H7CD	1,2,3,4,6,7,8-Heptachlorodibenzo-*p*-dioxin
OCDD	Octachlorodibenzo-*p*-dioxin
Furans	
2,3,7,8-TCDF	2,3,7,8-Tetrachlorodibenzofuran
1,2,3,7,8-P5CDF	1,2,3,7,8-Pentachlorodibenzofuran
2,3,4,7,8-P5CDF	2,3,4,7,8-Pentachlorodibenzofuran
1,2,3,4,7,8-H6CDF	1,2,3,4,7,8-Hexachlorodibenzofuran
1,2,3,6,7,8-H6CDF	1,2,3,6,7,8-Hexachlorodibenzofuran
2,3,4,6,7,8-H6CDF	2,3,4,6,7,8-Hexachlorodibenzofuran
1,2,3,7,8,9-H6CDF	1,2,3,7,8,9-Hexachlorodibenzofuran
1,2,3,4,6,7,8-H7CD	1,2,3,4,6,7,8-Heptachlorodibenzofuran
1,2,3,4,7,8,9-H7CD	1,2,3,4,7,8,9-Heptachlorodibenzofuran
OCDF	Octachlorodibenzofuran

Metals	
Silver	Ag
Cadmium	Cd
Chromium	Cr
Copper	Cu
Nickel	Ni
Lead	Pb
Zinc	Zn
Arsenic	As
Mercury	Hg

[a]Congeners numbered according to Ballschmiter and Zell (1980).

*18 PCBs used to estimate "arochlor-based" PCB (see text).

Table B1. Accuracy and precision of metals analyses.

	Ag	Cd	Cr	Cu	Ni	Pb	Zn	As	Hg
Dolt-1 (ppm dry weight)									
Mean (n=6)	1.03	4.02	0.41	19.3	0.26	1.33	92.4	10.5	0.217
SD	0.04	0.17	0.07	1.2	0.02	0.08	2.6	1.1	0.015
CERTIFIED	[1.00]*	4.18	0.40	20.8	0.26	1.36	92.5	10.1	0.225
+/-	-	0.28	0.07	1.2	0.06	0.29	2.3	1.4	0.037
RECOVERY (%)	103.2	96.1	102.3	92.6	99.1	97.6	99.9	103.9	96.4
RPD (%) for duplicate analyses, by species, based on dry weight results									
Bluefish	9.3	2.6	15.3	5.1	4.7	3.2	4.0	5.9	7.2
Fluke	12.8	3.1	14.8	7.8	11.7	2.5	6.7	2.0	6.9
Sea bass	7.9	5.2	1.7	7.4	5.0	5.1	3.6	7.6	8.8
Tautog	8.5	11.9	4.9	12.8	4.2	9.6	4.7	6.6	5.9
Detection Limit (ppm dry weight)									
	0.052	0.016	0.052	0.120	0.038	0.025	0.649	0.909	0.045

* Consensus value from NOAA intercalibration excercises

Table B2. Metal concentrations in muscle composites, ppm (µg/g) wet weight.

	Station	Composite Sample #	AG	CD	CR	CU	NI	PB	ZN	AS	HG
Bluefish	BL1	101	0.0367	0.211	0.112	0.411	0.283	0.118	8.34	0.49	0.1150
		102	0.0391	0.159	0.522	0.548	0.359	0.240	14.40	0.63	0.0658
		103	0.0308	0.158	0.427	0.457	0.101	0.347	8.65	0.62	0.1425
		104	0.0546	0.129	0.352	0.216	0.105	0.368	7.35	0.40	0.0841
		105	0.0323	0.173	0.425	0.456	0.136	0.293	10.80	0.37	0.1069
			0.0285	0.172	0.480	0.419	0.126	0.275	10.10	0.38	0.0963
		Mean*	0.0304	0.173	0.453	0.438	0.131	0.284	10.40	0.38	0.1016
	BL2	106	0.0516	0.198	0.355	0.208	0.171	0.247	11.90	0.60	0.1253
		107	0.0429	0.273	0.129	0.481	0.132	0.317	12.50	0.56	0.0887
		108	0.0566	0.137	0.734	0.427	0.123	0.207	10.40	0.43	0.1177
		109	0.0340	0.155	0.466	0.545	0.142	0.449	23.00	0.46	0.1151
		110	0.0329	0.113	0.653	0.632	0.107	0.380	9.79	0.52	0.0885
	BL3	111	0.0442	0.171	0.774	0.516	0.148	0.268	10.60	0.25	0.1065
		112	0.0469	0.085	0.172	0.507	0.089	0.387	13.80	0.57	0.1241
		113	0.0295	0.224	0.708	0.317	0.157	0.288	8.98	0.46	0.0786
		114	0.0446	0.123	0.330	0.636	0.188	0.129	9.31	0.43	0.0754
Fluke	FL1	115	0.0169	0.102	0.117	0.223	0.124	0.133	4.56	2.05	0.0380
		116	0.0337	0.129	0.199	0.326	0.181	0.260	2.98	1.46	0.0452
	FL2	117	0.0309	0.109	0.084	0.174	0.147	0.122	3.21	2.34	0.0321
		118	0.0142	0.111	0.121	0.238	0.074	0.186	4.02	1.57	0.0493
	FL3	119	0.0248	0.103	0.263	0.211	0.195	0.128	3.80	1.22	0.0356
		120	0.0170	0.192	0.048	0.300	0.070	0.111	3.53	1.63	0.0239
		121	0.0212	0.134	0.097	0.264	0.134	0.228	2.47	1.97	0.0454
	FL4	122	0.0281	0.096	0.145	0.276	0.195	0.081	3.24	2.01	0.0261
		123	0.0114	0.133	0.222	0.437	0.054	0.220	4.81	1.50	0.0399
		124	0.0210	0.138	0.084	0.235	0.088	0.163	3.81	1.70	0.0391
			0.0244	0.137	0.074	0.222	0.101	0.163	3.63	1.77	0.0373
		Mean*	0.0227	0.138	0.079	0.229	0.095	0.163	3.72	1.74	0.0382
	FL5	125	0.0257	0.155	0.124	0.198	0.232	0.079	3.31	1.49	0.0283
		126	0.0158	0.099	0.149	0.326	0.104	0.201	4.46	1.57	0.0421
	FL6	127	0.0291	0.082	0.248	0.180	0.104	0.090	3.86	1.59	0.0221
		128	0.0173	0.092	0.082	0.238	0.143	0.170	3.75	1.87	0.0356

*Mean of replicates.

Table B2. Metal concentrations in muscle composites, ppm (µg/g) wet weight (continued).

	Station	Composite Sample #	AG	CD	CR	CU	NI	PB	ZN	AS	HG
Sea bass	SB1	129	0.0363	0.079	0.538	0.454	0.268	0.128	6.17	5.32	0.0744
		130	0.0289	0.182	0.113	0.646	0.138	0.320	5.42	2.23	0.0539
		131	0.0296	0.144	0.420	0.577	0.111	0.223	5.86	3.59	0.0477
			0.0215	0.108	0.336	0.488	0.083	0.184	4.44	2.62	0.0344
		Mean*	0.0256	0.126	0.378	0.533	0.097	0.204	5.15	3.11	0.0411
		132	0.0388	0.145	0.402	0.209	0.112	0.236	3.06	3.73	0.0626
	SB2	133	0.0409	0.135	0.811	0.393	0.114	0.132	5.10	4.43	0.0424
		134	0.0334	0.200	0.474	0.444	0.110	0.162	4.48	2.74	0.0576
		135	0.0387	0.210	0.192	0.486	0.230	0.382	4.46	3.15	0.0354
		136	0.0368	0.090	0.396	0.226	0.410	0.500	5.04	2.33	0.0424
		137	0.0443	0.131	0.432	0.408	0.175	0.247	6.19	4.95	0.0690
	SB3	138	0.0340	0.130	0.479	0.420	0.223	0.256	4.23	4.84	0.0512
		139	0.0365	0.127	0.399	0.481	0.133	0.338	3.30	4.88	0.0345
		140	0.0382	0.200	0.203	0.610	0.153	0.166	4.84	2.31	0.0345
		141	0.0344	0.156	0.676	0.385	0.196	0.320	6.03	2.98	0.0742
		142	0.0280	0.114	0.225	0.221	0.223	0.131	4.16	4.04	0.0328
Tautog	TA1	143	0.0325	0.128	0.175	0.344	0.097	0.122	3.67	0.91	0.1068
		144	0.0201	0.100	0.410	0.421	0.141	0.316	6.25	1.14	0.1072
		145	0.0258	0.100	0.141	0.327	0.232	0.114	5.05	1.27	0.0789
		146	0.0179	0.098	0.101	0.211	0.095	0.198	3.02	0.98	0.0869
		147	0.0235	0.141	0.089	0.349	0.149	0.119	4.64	0.84	0.0481
	TA2	148	0.0206	0.093	0.337	0.394	0.093	0.213	5.56	0.86	0.0682
		149	0.0261	0.139	0.310	0.507	0.207	0.163	5.01	1.32	0.0737
		150	0.0478	0.110	0.159	0.460	0.095	0.212	4.20	0.98	0.0979
		151	0.0293	0.098	0.124	0.275	0.257	0.100	3.73	1.25	0.0864
	TA3	152	0.0173	0.106	0.068	0.280	0.161	0.101	2.90	0.82	0.0451
		153	0.0265	0.132	0.148	0.237	0.143	0.226	3.86	0.95	0.0679
			0.0249	0.101	0.134	0.232	0.129	0.215	3.18	0.88	0.0621
		Mean*	0.0257	0.117	0.141	0.235	0.136	0.221	3.52	0.92	0.0650
		154	0.0399	0.099	0.295	0.351	0.096	0.243	5.39	1.09	0.0873
		155	0.0360	0.089	0.181	0.215	0.050	0.152	3.31	1.06	0.0634
		156	0.0173	0.104	0.125	0.375	0.116	0.141	3.62	0.83	0.1205

*Mean of replicates.

Table B3. Metal concentrations in muscle composites, ppm (µg/g) dry weight.

	Station	Composite Sample #	AG	CD	CR	CU	NI	PB	ZN	AS	HG
Bluefish	BL1	101	0.104	0.596	0.32	1.16	0.798	0.333	23.6	1.37	0.325
		102	0.113	0.459	1.51	1.59	1.039	0.694	41.8	1.82	0.190
		103	0.091	0.469	1.27	1.36	0.301	1.029	25.7	1.83	0.423
		104	0.163	0.386	1.05	0.64	0.314	1.099	22.0	1.18	0.251
		105	0.095	0.510	1.25	1.34	0.401	0.863	31.9	1.10	0.315
			0.087	0.523	1.46	1.28	0.383	0.836	30.6	1.16	0.293
		Mean*	0.091	0.517	1.36	1.31	0.392	0.850	31.3	1.13	0.304
	BL2	106	0.142	0.544	0.98	0.57	0.471	0.679	32.9	1.64	0.345
		107	0.104	0.662	0.31	1.17	0.320	0.768	30.3	1.35	0.215
		108	0.137	0.330	1.77	1.03	0.298	0.500	25.1	1.04	0.284
		109	0.096	0.437	1.32	1.54	0.401	1.267	64.8	1.31	0.325
		110	0.099	0.339	1.96	1.90	0.323	1.142	29.5	1.55	0.266
	BL3	111	0.118	0.456	2.06	1.37	0.393	0.713	28.1	0.66	0.283
		112	0.137	0.247	0.50	1.48	0.261	1.127	40.3	1.65	0.361
		113	0.069	0.521	1.65	0.74	0.364	0.670	20.9	1.07	0.183
		114	0.145	0.401	1.08	2.07	0.614	0.422	30.4	1.41	0.246
Fluke	FL1	115	0.066	0.398	0.46	0.87	0.486	0.522	17.8	8.01	0.148
		116	0.142	0.543	0.84	1.37	0.761	1.100	12.5	6.14	0.190
	FL2	117	0.139	0.491	0.38	0.79	0.665	0.549	14.5	10.60	0.145
		118	0.065	0.508	0.55	1.08	0.339	0.849	18.3	7.14	0.225
	FL3	119	0.117	0.485	1.24	1.00	0.920	0.605	17.9	5.76	0.168
		120	0.076	0.861	0.22	1.34	0.315	0.499	15.8	7.31	0.107
		121	0.097	0.613	0.44	1.20	0.610	1.040	11.3	9.00	0.207
	FL4	122	0.125	0.426	0.65	1.23	0.871	0.361	14.4	8.98	0.116
		123	0.051	0.596	0.99	1.95	0.241	0.984	21.5	6.69	0.178
		124	0.094	0.616	0.37	1.04	0.391	0.727	16.9	7.56	0.174
			0.106	0.597	0.32	0.97	0.440	0.709	15.8	7.72	0.162
		Mean*	0.100	0.607	0.34	1.01	0.416	0.718	16.4	7.64	0.168
	FL5	125	0.115	0.695	0.56	0.89	1.040	0.353	14.8	6.69	0.127
		126	0.074	0.465	0.70	1.52	0.487	0.941	20.8	7.34	0.197
	FL6	127	0.135	0.381	1.15	0.83	0.479	0.415	17.8	7.37	0.102
		128	0.078	0.418	0.37	1.08	0.649	0.771	17.0	8.45	0.161

*Mean of replicates.

Table B3. Metal concentrations in muscle composites, ppm (µg/g) dry weight (continued).

	Station	Composite Sample #	AG	CD	CR	CU	NI	PB	ZN	AS	HG
Sea bass	SB1	129	0.105	0.228	1.55	1.31	0.775	0.369	17.8	15.40	0.215
		130	0.085	0.535	0.33	1.90	0.407	0.943	16.0	6.57	0.159
		131	0.078	0.378	1.10	1.51	0.290	0.583	15.4	9.40	0.125
			0.072	0.358	1.12	1.63	0.276	0.613	14.8	8.71	0.115
		Mean*	0.075	0.368	1.11	1.57	0.283	0.598	15.1	9.06	0.120
		132	0.126	0.472	1.31	0.68	0.364	0.770	10.0	12.20	0.204
	SB2	133	0.116	0.382	2.30	1.11	0.322	0.374	14.5	12.60	0.120
		134	0.104	0.627	1.48	1.39	0.346	0.508	14.0	8.58	0.181
		135	0.105	0.573	0.52	1.33	0.627	1.040	12.1	8.59	0.097
		136	0.099	0.242	1.06	0.61	1.100	1.340	13.5	6.23	0.114
		137	0.135	0.401	1.32	1.25	0.534	0.755	18.9	15.10	0.211
	SB3	138	0.097	0.372	1.37	1.20	0.640	0.734	12.1	13.90	0.147
		139	0.120	0.417	1.31	1.58	0.438	1.110	10.8	16.00	0.113
		140	0.112	0.587	0.59	1.79	0.449	0.486	14.2	6.78	0.101
		141	0.101	0.457	1.99	1.13	0.575	0.940	17.7	8.76	0.218
		142	0.082	0.334	0.66	0.65	0.656	0.385	12.2	11.90	0.096
Tautog	TA1	143	0.146	0.575	0.79	1.55	0.437	0.550	16.5	4.10	0.480
		144	0.078	0.387	1.59	1.64	0.549	1.226	24.3	4.44	0.417
		145	0.105	0.408	0.57	1.33	0.945	0.465	20.5	5.15	0.321
		146	0.071	0.387	0.40	0.84	0.376	0.786	12.0	3.88	0.344
		147	0.103	0.618	0.39	1.53	0.651	0.519	20.3	3.66	0.210
	TA2	148	0.072	0.325	1.18	1.38	0.326	0.746	19.4	3.01	0.238
		149	0.097	0.519	1.15	1.89	0.769	0.607	18.6	4.90	0.274
		150	0.202	0.466	0.67	1.95	0.401	0.897	17.8	4.14	0.414
		151	0.115	0.384	0.49	1.08	1.007	0.393	14.6	4.89	0.338
	TA3	152	0.079	0.482	0.31	1.27	0.731	0.461	13.2	3.73	0.205
		153	0.119	0.592	0.66	1.06	0.640	1.010	17.3	4.28	0.304
			0.129	0.525	0.70	1.20	0.667	1.120	16.5	4.57	0.323
		Mean*	0.124	0.559	0.68	1.13	0.654	1.070	16.9	4.43	0.314
		154	0.155	0.384	1.15	1.36	0.372	0.943	20.9	4.22	0.338
		155	0.158	0.392	0.80	0.94	0.221	0.668	14.5	4.65	0.278
		156	0.074	0.442	0.53	1.59	0.494	0.597	15.4	3.54	0.511

*Mean of replicates.

Table B4. Summary statistics for metal concentrations in muscle composites, ppm (µg/g) wet weight.

Station		AG	CD	CR	CU	NI	PB	ZN	AS	HG
Bluefish										
BL1	n=5									
	Ave	0.039	0.166	0.368	0.418	0.197	0.273	9.92	0.50	0.103
	Std	0.009	0.030	0.155	0.123	0.117	0.100	2.82	0.12	0.029
	Min	0.031	0.129	0.112	0.216	0.101	0.118	7.35	0.37	0.066
	Max	0.055	0.211	0.522	0.548	0.359	0.368	14.43	0.63	0.142
BL2	n=5									
	Ave	0.044	0.175	0.467	0.459	0.135	0.320	13.51	0.51	0.107
	Std	0.010	0.063	0.241	0.160	0.024	0.098	5.39	0.07	0.017
	Min	0.033	0.113	0.129	0.208	0.107	0.207	9.79	0.43	0.089
	Max	0.057	0.273	0.734	0.632	0.171	0.449	22.95	0.60	0.125
BL3	n=4									
	Ave	0.041	0.151	0.496	0.494	0.146	0.268	10.67	0.43	0.096
	Std	0.008	0.060	0.291	0.132	0.041	0.106	2.21	0.13	0.023
	Min	0.029	0.085	0.172	0.317	0.089	0.129	8.98	0.25	0.075
	Max	0.047	0.224	0.774	0.636	0.188	0.387	13.83	0.57	0.124
Fluke										
FL1	n=2									
	Ave	0.025	0.116	0.158	0.275	0.153	0.196	3.77	1.76	0.042
	Std	0.012	0.019	0.058	0.073	0.040	0.090	1.12	0.42	0.005
	Min	0.017	0.102	0.117	0.223	0.124	0.133	2.98	1.46	0.038
	Max	0.034	0.129	0.199	0.326	0.181	0.260	4.56	2.05	0.045
FL2	n=2									
	Ave	0.023	0.110	0.103	0.206	0.111	0.154	3.62	1.96	0.041
	Std	0.012	0.001	0.026	0.045	0.052	0.045	0.57	0.54	0.012
	Min	0.014	0.109	0.084	0.174	0.074	0.122	3.21	1.57	0.032
	Max	0.031	0.111	0.121	0.238	0.147	0.186	4.02	2.34	0.049
FL3	n=3									
	Ave	0.021	0.143	0.136	0.258	0.133	0.156	3.27	1.61	0.035
	Std	0.004	0.045	0.113	0.045	0.063	0.063	0.70	0.38	0.011
	Min	0.017	0.103	0.048	0.211	0.070	0.111	2.47	1.22	0.024
	Max	0.025	0.192	0.263	0.300	0.195	0.228	3.80	1.97	0.045
FL4	n=3									
	Ave	0.020	0.122	0.150	0.316	0.112	0.155	3.95	1.74	0.035
	Std	0.008	0.023	0.069	0.107	0.074	0.070	0.79	0.26	0.008
	Min	0.011	0.096	0.084	0.235	0.054	0.081	3.24	1.50	0.026
	Max	0.028	0.138	0.222	0.437	0.195	0.220	4.81	2.01	0.040
FL5	n=2									
	Ave	0.021	0.127	0.137	0.262	0.168	0.140	3.89	1.53	0.035
	Std	0.007	0.040	0.018	0.091	0.091	0.086	0.81	0.06	0.010
	Min	0.016	0.099	0.124	0.198	0.104	0.079	3.31	1.49	0.028
	Max	0.026	0.155	0.149	0.326	0.232	0.201	4.46	1.57	0.042
FL6	n=2									
	Ave	0.023	0.087	0.165	0.209	0.123	0.130	3.81	1.73	0.029
	Std	0.008	0.007	0.117	0.041	0.028	0.057	0.08	0.20	0.010
	Min	0.017	0.082	0.082	0.180	0.104	0.090	3.75	1.59	0.022
	Max	0.029	0.092	0.248	0.238	0.143	0.170	3.86	1.87	0.036

Table B4. Summary statistics for metal concentrations in muscle composites, ppm (µg/g) wet weight (continued).

Station		AG	CD	CR	CU	NI	PB	ZN	AS	HG
Sea bass										
SB1	n=4									
	Ave	0.033	0.138	0.368	0.471	0.157	0.227	5.13	3.72	0.060
	Std	0.005	0.043	0.181	0.192	0.075	0.079	1.41	1.26	0.012
	Min	0.029	0.079	0.113	0.209	0.111	0.128	3.06	2.23	0.048
	Max	0.039	0.182	0.538	0.646	0.268	0.32	6.17	5.32	0.074
SB2	n=5									
	Ave	0.039	0.153	0.461	0.391	0.208	0.285	5.05	3.52	0.049
	Std	0.004	0.051	0.224	0.099	0.123	0.155	0.70	1.12	0.014
	Min	0.033	0.09	0.192	0.226	0.11	0.132	4.46	2.33	0.035
	Max	0.044	0.21	0.811	0.486	0.41	0.5	6.19	4.95	0.069
SB3	n=5									
	Ave	0.034	0.145	0.396	0.423	0.186	0.242	4.51	3.81	0.045
	Std	0.004	0.034	0.195	0.142	0.041	0.092	1.01	1.14	0.018
	Min	0.028	0.114	0.203	0.221	0.133	0.131	3.3	2.31	0.033
	Max	0.038	0.200	0.676	0.610	0.223	0.338	6.03	4.88	0.074
Tautog										
TA1	n=5									
	Ave	0.024	0.113	0.183	0.330	0.143	0.174	4.53	1.03	0.086
	Std	0.006	0.020	0.131	0.076	0.056	0.087	1.25	0.18	0.024
	Min	0.018	0.098	0.089	0.211	0.095	0.114	3.02	0.84	0.048
	Max	0.033	0.141	0.41	0.421	0.232	0.316	6.25	1.27	0.107
TA2	n=4									
	Ave	0.031	0.110	0.233	0.409	0.163	0.172	4.63	1.10	0.082
	Std	0.012	0.021	0.107	0.101	0.082	0.053	0.82	0.22	0.013
	Min	0.021	0.093	0.124	0.275	0.093	0.100	3.73	0.86	0.068
	Max	0.048	0.139	0.337	0.507	0.257	0.213	5.56	1.32	0.098
TA3	n=5									
	Ave	0.027	0.106	0.163	0.292	0.113	0.173	3.82	0.95	0.077
	Std	0.010	0.016	0.084	0.070	0.043	0.060	0.95	0.13	0.029
	Min	0.017	0.089	0.068	0.215	0.050	0.101	2.90	0.82	0.045
	Max	0.040	0.132	0.295	0.375	0.161	0.243	5.39	1.09	0.121

Table B5. Summary statistics for metal concentrations in muscle composites, ppm (µg/g) dry weight.

Station		AG	CD	CR	CU	NI	PB	ZN	AS	HG
Bluefish										
BL1	n=5									
	Ave	0.113	0.484	1.080	1.218	0.571	0.804	28.97	1.46	0.301
	Std	0.029	0.077	0.456	0.355	0.331	0.306	8.09	0.35	0.087
	Min	0.091	0.386	0.317	0.644	0.301	0.333	21.96	1.10	0.190
	Max	0.163	0.596	1.511	1.587	1.039	1.099	41.78	1.83	0.423
BL2	n=5									
	Ave	0.116	0.463	1.269	1.242	0.363	0.871	36.52	1.38	0.287
	Std	0.022	0.141	0.659	0.505	0.072	0.322	16.07	0.23	0.051
	Min	0.096	0.330	0.314	0.573	0.298	0.500	25.13	1.04	0.215
	Max	0.142	0.662	1.964	1.900	0.471	1.267	64.83	1.64	0.345
BL3	n=4									
	Ave	0.117	0.406	1.320	1.414	0.408	0.733	29.91	1.20	0.268
	Std	0.034	0.117	0.679	0.547	0.149	0.292	8.02	0.43	0.075
	Min	0.069	0.247	0.500	0.736	0.261	0.422	20.86	0.66	0.183
	Max	0.145	0.521	2.060	2.072	0.614	1.127	40.30	1.65	0.361
Fluke										
FL1	n=2									
	Ave	0.104	0.471	0.648	1.122	0.623	0.809	15.17	7.07	0.169
	Std	0.054	0.103	0.268	0.353	0.194	0.406	3.74	1.32	0.029
	Min	0.066	0.398	0.459	0.873	0.486	0.522	12.53	6.14	0.148
	Max	0.142	0.543	0.838	1.372	0.761	1.095	17.82	8.01	0.190
FL2	n=2									
	Ave	0.102	0.499	0.466	0.935	0.502	0.699	16.40	8.84	0.185
	Std	0.053	0.012	0.120	0.210	0.231	0.212	2.72	2.41	0.056
	Min	0.065	0.491	0.381	0.787	0.339	0.549	14.48	7.14	0.145
	Max	0.139	0.508	0.552	1.083	0.665	0.849	18.33	10.55	0.225
FL3	n=3									
	Ave	0.096	0.653	0.633	1.181	0.615	0.715	15.01	7.36	0.161
	Std	0.020	0.191	0.540	0.175	0.303	0.286	3.42	1.62	0.051
	Min	0.076	0.485	0.215	0.996	0.315	0.499	11.25	5.76	0.107
	Max	0.117	0.861	1.243	1.344	0.920	1.040	17.94	9.00	0.207
FL4	n=3									
	Ave	0.090	0.546	0.671	1.408	0.501	0.691	17.62	7.74	0.156
	Std	0.037	0.104	0.311	0.478	0.329	0.313	3.58	1.15	0.035
	Min	0.051	0.426	0.372	1.045	0.241	0.361	14.43	6.69	0.116
	Max	0.125	0.616	0.994	1.950	0.871	0.984	21.50	8.98	0.178
FL5	n=2									
	Ave	0.095	0.580	0.627	1.206	0.763	0.647	17.85	7.01	0.162
	Std	0.029	0.162	0.097	0.448	0.391	0.416	4.24	0.46	0.050
	Min	0.074	0.465	0.558	0.889	0.487	0.353	14.85	6.69	0.127
	Max	0.115	0.695	0.695	1.522	1.040	0.941	20.84	7.34	0.197
FL6	n=2									
	Ave	0.107	0.399	0.760	0.955	0.564	0.593	17.41	7.91	0.132
	Std	0.040	0.026	0.549	0.172	0.120	0.252	0.62	0.77	0.042
	Min	0.078	0.381	0.371	0.833	0.479	0.415	16.97	7.37	0.102
	Max	0.135	0.418	1.148	1.077	0.649	0.771	17.84	8.45	0.161

Table B5. Summary statistics for metal concentrations in muscle composites, ppm (µg/g) dry weight (continued).

Station		AG	CD	CR	CU	NI	PB	ZN	AS	HG
Sea bass										
SB1	n=4									
	Ave	0.098	0.403	1.073	1.351	0.459	0.666	14.77	10.87	0.176
	Std	0.022	0.133	0.528	0.510	0.216	0.247	3.37	3.76	0.042
	Min	0.078	0.228	0.332	0.680	0.290	0.369	9.97	6.57	0.125
	Max	0.126	0.535	1.552	1.901	0.775	0.943	17.81	15.35	0.215
SB2	n=5									
	Ave	0.112	0.445	1.338	1.136	0.585	0.804	14.61	10.22	0.144
	Std	0.014	0.155	0.649	0.314	0.314	0.393	2.55	3.56	0.049
	Min	0.099	0.242	0.525	0.606	0.322	0.374	12.15	6.23	0.097
	Max	0.135	0.627	2.301	1.389	1.098	1.339	18.90	15.12	0.211
SB3	n=5									
	Ave	0.102	0.433	1.185	1.270	0.551	0.731	13.41	11.46	0.135
	Std	0.014	0.097	0.573	0.439	0.103	0.303	2.68	3.74	0.050
	Min	0.082	0.334	0.595	0.650	0.438	0.385	10.83	6.78	0.096
	Max	0.120	0.587	1.987	1.788	0.656	1.110	17.70	16.01	0.218
Tautog										
TA1	n=5									
	Ave	0.100	0.475	0.748	1.375	0.591	0.709	18.72	4.25	0.355
	Std	0.029	0.112	0.500	0.321	0.224	0.314	4.67	0.58	0.102
	Min	0.071	0.387	0.388	0.838	0.376	0.465	11.97	3.66	0.210
	Max	0.146	0.618	1.594	1.637	0.945	1.226	24.30	5.15	0.480
TA2	n=4									
	Ave	0.121	0.423	0.873	1.573	0.626	0.660	17.61	4.24	0.316
	Std	0.057	0.086	0.347	0.418	0.320	0.214	2.11	0.89	0.077
	Min	0.072	0.325	0.486	1.076	0.326	0.393	14.61	3.01	0.238
	Max	0.202	0.519	1.178	1.947	1.007	0.897	19.42	4.90	0.414
TA3	n=5									
	Ave	0.117	0.458	0.689	1.246	0.491	0.737	16.27	4.08	0.327
	Std	0.040	0.084	0.312	0.255	0.204	0.234	2.98	0.45	0.114
	Min	0.074	0.384	0.310	0.944	0.221	0.461	13.23	3.54	0.205
	Max	0.158	0.592	1.145	1.593	0.731	1.014	20.90	4.65	0.511

Table C1. Percent recovery of PAH, PCB, and pesticide surrogates.

		HPLC Surrogates		Total Method Surrogates						
		PCB/Pesticide	PAH	PCB/Pesticide			PAH			
		TCB	chrysene-d_{12}	DOB	Ronnel	BZ #198	naphthalene-d_8	acenaphthylene-d_8	pyrene-d_{10}	benzo (g,h,i) perylene-d_{12}
Bluefish	Mean	167	114	69.8	89.2	90.6	31.7	52.8	94.5	29.6
	(SD)	(163)	(36.4)	(8.33)	(16.6)	(8.31)	(10.9)	(6.04)	(12.6)	(39.2)
Fluke	Mean	79.7	144	45.4	34.2	85.3	22.5	45.0	85.2	107
	(SD)	(27.9)	(49.5)	(11.0)	(18.1)	(12.4)	(7.56)	(8.36)	(17.0)	(61.6)
Sea bass	Mean	79.3	118	61.4	67.6	90.4	31.6	51.6	92.2	91.7
	(SD)	(16.8)	(28.1)	(9.59)	(23.2)	(9.96)	(3.47)	(3.65)	(10.3)	(97.2)
Tautog	Mean	90.1	145	58.7	78.1	94.9	28.7	53.6	100	49.0
	(SD)	(15.5)	(37.4)	(7.16)	(10.1)	(10.6)	(4.60)	(5.38)	(10.0)	(30.7)

(SD) = standard deviation.
TCB = 1,2,3-trichlorobenzene.
DOB = 4,4'-dibromooctafluorobiphenyl.
Ronnel = *o,o*-dimethyl *o*-(2,4,5-trichlorophenyl)-phosphorothioate.
BZ #198 = 2,2',3,3',4,5,5',6-octachlorobiphenyl.

Table C2. PCB concentrations found in NIST mussel tissue V, QA93TIS5, ppb (ng/g).

	Wet weight					Dry weight				
PCB	Mean (n=8)	SD[a]	Consensus value	Consensus SD	z-score[b]	Mean (n=8)	SD	Consensus value	Consensus SD	z-score
BZ #8 (2 Cl)	0.867	0.462	0.623	0.253	1.0	7.42	3.98	5.72	2.32	0.7
BZ #18 (3 Cl)	1.88	0.203	3.35	0.88	-1.7	16.1	1.79	30.7	8.1	-1.8
BZ #28 (3 Cl)	8.05	0.633	7.17	2.69	0.3	68.9	5.86	65.8	24.7	0.1
BZ #52 (4 Cl)	7.51	0.653	11.3	4.03	-0.9	64.3	5.81	104	37	-1.1
BZ #44 (4 Cl)	5.12	0.420	6.74	2.98	-0.5	43.8	3.80	61.8	27.3	-0.7
BZ #66 (4 Cl)	14.6	1.52	11.2	3.4	1.0	125	13.8	103	31	0.7
BZ #101 (5 Cl)	10.8	0.999	14.1	4.8	-0.7	92.1	9.16	129	44	-0.8
BZ #118 (5 Cl)	9.95	1.19	14.5	3.6	-1.3	85.2	10.8	133	33	-1.4
BZ #153 (6 Cl)	12.4	1.87	16.0	4.1	-0.9	106	16.8	147	38	-1.1
BZ #105 (5 Cl)	5.28	0.538	6.06	2.02	-0.4	45.2	4.71	55.6	18.5	-0.6
BZ #138 (6 Cl)	11.1	1.28	16.0	3.9	-1.2	95.3	11.5	147	36	-1.4
BZ #187 (7 Cl)	2.95	0.251	3.51	0.97	-0.6	25.2	2.29	32.2	8.9	-0.8
BZ #128 (6 Cl)	1.62	0.177	2.37	0.69	-1.1	13.9	1.60	21.7	6.3	-1.2
BZ #180 (7 Cl)	2.75	0.478	1.44	0.36	3.6	23.6	4.29	13.2	3.3	3.1
BZ #170 (7 Cl)	0.810	0.117	0.479	0.254	1.3	6.93	1.04	4.39	2.33	1.1
BZ #195 (8 Cl)	0.350	0.064	0.074	0.041	6.7	3.00	0.572	0.68	0.38	6.1
BZ #206 (9 Cl)	0.256*	0.273	0.057	0.044	4.6	2.20*	2.35	0.52	0.40	4.2
BZ #209 (10 Cl)	0.224	0.146	0.119	0.150	0.7	1.92	1.27	1.09	1.38	0.6

[a]SD = standard deviation.
[b]z-score = (lab mean - consensus value) ÷ consensus SD.
*Includes two values (-0.03 and -0.08 wet weight) which were treated as zero.

Table C3. Pesticide concentrations found in NIST mussel tissue V, QA93TIS5, ppb (ng/g).

	Wet weight					Dry weight				
Pesticide	Mean (n=8)	SD[a]	Consensus value	Consensus SD	z-score[b]	Mean (n=8)	SD	Consensus value	Consensus SD	z-score
hexachlorobenzene	0.465	0.306	0.024	0.008	-2.7	4.00	2.66	0.22	0.07	54
lindane	0.465	0.141	0.298	0.313	-0.5	3.98	1.21	2.73	2.87	0.4
aldrin (n=3)*	0.910	0.698	0.761	0.898	0.1	7.87	6.07	6.98	8.24	0.1
heptachlor	0.511	0.081	0.489	0.455	-0.6	4.38	0.71	4.49	4.17	0.0
heptachlor epoxide	0.759	0.266	0.525	0.396	-0.6	6.50	2.30	4.82	3.63	0.5
alpha-chlordane	5.92	0.584	1.70	0.305	0.4	50.7	5.33	15.6	2.8	12.5
trans-nonachlor	1.71	0.167	1.91	0.676	-1.1	14.6	1.53	17.5	6.2	-0.5
o,p'-DDE	4.13	0.723	0.989	0.900	3.0	35.3	6.47	9.07	8.26	3.2
p,p'-DDE	6.27	0.626	5.50	1.48	2.6	53.7	5.65	50.5	13.6	0.2
p,p'-DDD	7.49	1.534	4.59	1.40	4.2	64.2	13.7	42.1	12.8	1.7
o,p'-DDT	nf[c]	-	0.649	0.344	-	nf	-	5.95	3.16	-
p,p'-DDT	0.887	0.247	0.332	0.120	-1.9	7.61	2.19	3.05	1.10	4.1
mirex	0.581	0.499	0.153	0.110	-0.8	4.99	4.31	1.40	1.01	3.6

[a]SD = standard deviation.
[b]z-score = (lab mean - consensus value) ÷ consensus SD.
[c]nf = peaks were not found.
*Three peaks were found.

Table C4. PAH concentrations found in NIST mussel tissue V, QA93TIS5, ppb (ng/g).

PAH	Wet weight						Dry weight					
	n	Mean	SD	Consensus value	Consensus SD	z-score	n	Mean	SD	Consensus value	Consensus SD	z-score
naphthalene	3	1.38	0.941	1.62	0.927	-0.3	6	7.99	6.66	14.90	8.50	-0.8
2-methylnaphthalene	6	1.14	0.401	0.791	0.335	1.0	7	8.92	3.84	7.26	3.07	0.5
1-methylnaphthalene	4	1.13	0.618	0.481	0.202	3.2	4	9.74	5.34	4.41	1.85	2.9
biphenyl	6	1.36	0.599	0.445	0.147	6.2	6	11.7	5.21	4.08	1.35	5.6
2,6-dimethylnaphthalene	2	1.23	0.288	0.630	0.461	1.3	2	10.6	2.52	5.78	4.23	1.1
acenaphthylene	4	1.41	0.746	0.532	0.215	4.1	4	12.1	6.44	4.88	1.97	3.7
acenaphthene	3	1.45	0.426	0.342	0.118	9.4	4	11.1	4.08	3.14	1.08	7.4
2,3,5-trimethylnaphthalene		nf[c]	-	0.549	0.274			nf	-	5.04	2.51	
fluorene		nf	-	0.462	0.085			nf	-	4.24	0.78	
phenanthrene	8	2.44	1.15	1.95	0.556	0.9	8	20.9	9.97	17.9	5.1	0.6
anthracene	3	1.51	0.555	0.790	0.300	2.4	3	13.0	4.68	7.25	2.75	2.1
1-methylphenanthrene	4	2.01	0.261	1.16	0.327	2.6	4	17.3	2.21	10.6	3.0	2.2
fluoranthene	8	13.0	1.44	20.4	6.00	-1.2	8	112	12.8	187	55	-1.4
pyrene	8	12.5	1.71	19.4	4.69	-1.5	8	107	15.1	178	43	-1.7
benz(a)anthracene	8	6.97	0.828	4.08	1.00	2.9	8	59.6	6.70	37.4	9.2	2.4
chrysene	8	9.93	1.33	9.70	2.39	0.1	8	84.9	11.0	89.0	21.9	-0.2
benzo(e)pyrene	8	8.27	2.15	9.95	2.29	-0.7	8	70.7	18.2	91.3	21.0	-1.0
benzo(a)pyrene	6	2.94	1.54	1.91	0.414	2.5	6	25.3	13.3	17.5	3.8	2.0
perylene		nf	-	0.789	0.239			nf	-	7.24	2.19	
indeno(1,2,3-cd)pyrene	3	2.68	2.65	1.75	0.501	1.8	3	23.0	22.8	16.1	4.6	1.5
dibenz(a,h)anthracene		nf	-	0.286	0.119			nf	-	2.62	1.09	
benzo(g,h,i)perylene	4	2.71	2.27	3.00	0.730	-0.4	4	23.3	19.6	27.5	6.7	-0.6
benzo(b)fluoranthene	8	6.92	1.47				8	59.2	12.5			
benzo(k)fluoranthene	8	3.93	1.09				8	33.6	9.47			
benzofluoranthenes*		10.85	-	9.74	1.81	0.6		92.9	-	89.4	16.6	0.2

[a]SD = standard deviation.
[b]z-score = (lab mean - consensus value) ÷ consensus SD.
[c]nf = peaks were not found.
*Sum of benzo(b) and benzo(k)fluoranthenes.

Table C5. Concentrations of dioxin and furan compounds found in CIL[a] fish tissue, EDF-2525, pptr (pg/g) wet weight.

Dioxin/Furan	Found[b]	Consensus Values[c]	% Found[d]	% Recovery Internal Standards[e]
2,3,7,8-TCDD	1.13	17 ± 1.4	6.64	80.9
2,3,7,8-TCDF	0.669	22 ± 1.6	3.04	95.8
1,2,3,7,8-P5CDD	10.4	4.0 ± 0.57	261	22.4
1,2,3,7,8-P5CDF	6.12	4.9 ± 0.56	125	45.2
2,3,4,7,8-P5CDF	2.05	14 ± 1.3	14.7	21.7
1,2,3,4,7,8-H6CDD	U	0.77 ± 0.27	-	67.8
1,2,3,6,7,8-H6CDD	U	3.0 ± 1.2	-	91.0
1,2,3,7,8,9-H6CDD	10.2	0.79 ± 0.26	1287	
1,2,3,4,7,8-H6CDF	3.01	8.2 ± 3.7	37	26.2
1,2,3,6,7,8-H6CDF	7.52	2.7 ± 1.2	279	22.3
2,3,4,6,7,8-H6CDF	U	2.3 ± 1.9	-	108
1,2,3,7,8,9-H6CDF	U	0.76 ± 0.35	-	62.4
1,2,3,4,6,7,8-H7CDD	0.101	1.4 ± 0.53	7.23	549
1,2,3,4,6,7,8-H7CDF	5.73	4.4 ± 6.0	130	367
1,2,3,4,7,8,9-H7CDF	U	0.63 ± 0.23	-	670
OCDD	5.82	7.2 ± 3.7	81	164
OCDF	1.34	2.6 ± 1.3	52	

[a]Cambridge Isotope Laboratories, Andover, MA.
[b]Concentration found in one sample.
[c]Mean value ± 95% confidence interval of interlaboratory study.
[d][Found]/[Concensus value] × 100.
[e]Percent recovery based on ^{13}C internal standards.
U = not detected at the associated estimated detection limit (EDL).

Table C6. PCB concentrations in muscle composites, ppb (ng/g) wet weight.

Bluefish Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
BL1	101	16.5	3.12	4.52	nd	nd	16.9	26.4	nd	16.0	34.5	31.4	31.8	nd	49.8	13.9	45.6	6.18	20.4	6.65	2.36	28.2	6.88	nd	2.41	nd
	102	45.3	5.31	4.93	nd	nd	14.9	22.9	nd	13.3	35.6	34.1	33.4	12.3	54.9	14.3	49.2	6.95	21.9	7.48	2.99	34.1	8.24	3.21	4.37	nd
	103	13.9	2.91	2.90	nd	nd	10.3	16.9	nd	9.64	26.8	26.7	26.6	nd	45.8	9.33	40.2	5.40	17.3	5.51	2.32	27.4	6.25	nd	4.15	nd
	104	21.2	2.06	3.51	nd	nd	11.5	18.5	nd	10.4	25.0	23.5	22.0	7.85	36.8	8.25	31.5	4.46	12.9	4.45	nd	21.9	4.65	nd	2.69	nd
	105	8.12	nd	1.52	nd	nd	4.69	9.22	nd	5.00	18.7	20.5	18.6	nd	43.5	nd	28.6	5.95	11.8	3.65	nd	16.1	4.26	nd	2.42	nd
BL2	106	16.5	2.65	1.76	nd	nd	5.19	9.31	nd	4.48	18.5	22.7	22.0	10.7	47.7	6.65	38.8	5.76	17.3	5.63	2.51	26.2	6.51	4.10	6.13	4.79
	107	32.7	6.05	2.56	nd	nd	5.97	9.69	nd	4.80	21.2	28.9	31.1	14.8	63.5	10.2	53.3	7.07	21.6	8.90	3.45	31.0	8.78	4.72	6.47	4.91
		49.3	4.94	2.65	nd	nd	6.13	9.51	nd	4.66	19.6	26.8	28.8	13.6	59.4	9.00	49.5	6.48	20.1	8.04	3.20	28.5	8.06	4.37	6.08	4.42
		42.7	4.51	2.30	nd	nd	6.27	9.99	nd	4.79	21.2	29.2	31.5	nd	65.4	9.64	54.0	6.95	21.8	8.74	3.36	31.3	8.63	4.61	6.53	4.97
	Mean*	41.6	5.17	2.50	nd	nd	6.12	9.73	nd	4.75	20.7	28.3	30.5	9.72	62.7	9.62	52.3	6.84	21.2	8.56	3.33	30.2	8.49	4.57	6.36	4.77
	108	39.7	4.75	2.03	nd	nd	5.42	10.5	nd	5.05	23.0	31.2	33.3	nd	68.6	10.3	56.9	7.25	23.4	8.88	3.48	32.8	9.18	4.72	7.84	4.51
	109	15.0	2.76	1.54	nd	nd	5.04	13.0	nd	5.98	21.2	25.9	26.4	nd	50.6	8.14	42.7	4.70	15.4	6.52	nd	22.8	6.38	2.56	4.02	2.74
	110	143	6.69	6.68	nd	nd	16.2	20.5	nd	11.6	28.7	31.9	31.5	nd	56.8	9.95	47.7	5.44	17.6	7.52	2.69	30.4	7.51	3.62	5.43	3.83
BL3	111	49.7	9.34	3.51	nd	nd	8.35	16.3	nd	6.86	28.4	38.1	44.5	nd	74.4	13.1	62.3	6.68	19.4	11.1	3.53	30.4	8.64	2.69	4.34	nd
	112	35.7	6.47	2.35	nd	nd	5.82	13.4	nd	5.86	27.2	37.8	41.1	nd	78.5	11.7	64.8	6.91	22.2	10.3	3.16	33.7	8.57	2.66	3.86	nd
	113	94.7	15.0	8.89	nd	nd	24.5	32.8	3.29	18.5	38.2	38.8	42.1	nd	69.3	16.7	60.9	7.32	21.6	10.8	3.63	39.0	10.0	3.11	3.59	2.34
	114	51.7	7.43	3.07	nd	nd	4.13	6.78	nd	3.30	12.2	17.8	21.3	nd	45.2	5.81	37.6	4.73	14.8	5.56	2.31	18.9	5.49	nd	3.38	nd
	MDL	1.08	1.35	1.51	1.73	1.95	2.04	2.89	3.10	2.78	1.59	1.62	1.76	1.56	1.94	1.59	1.81	2.58	2.33	1.90	2.18	2.24	2.22	2.46	2.30	2.27

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C6. PCB concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Fluke Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
FL1	115	1.09	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	116	1.18	nd	nd	nd	nd	nd	nd	nd	nd	2.03	1.65	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL2	117	2.16	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Mean*	1.08	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	118	1.15	nd	nd	nd	nd	nd	nd	nd	nd	2.14	1.71	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL3	119	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.79	1.62	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	120	6.20	nd	nd	nd	nd	nd	nd	nd	nd	2.62	2.30	3.01	nd	5.11	nd	3.26	nd	nd	nd	nd	nd	nd	nd	nd	nd
	121	6.12	nd	nd	nd	nd	nd	nd	nd	nd	2.08	1.75	2.26	nd	3.72	nd	2.57	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL4	122	1.16	nd	nd	nd	nd	nd	nd	nd	nd	1.76	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	123	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.64	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	124	4.36	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL5	125	2.26	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	126	1.84	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL6	127	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		3.45	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		3.63	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Mean*	2.54	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	128	3.20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	MDL	1.08	1.35	1.51	1.73	1.95	2.04	2.89	3.10	2.78	1.59	1.62	1.76	1.56	1.94	1.59	1.81	2.58	2.33	1.90	2.18	2.24	2.22	2.46	2.30	2.27

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C6. PCB concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Sea bass Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
SB1	129	7.57	1.63	nd	nd	nd	nd	3.85	nd	nd	7.63	7.41	7.92	nd	16.8	nd	10.5	2.61	4.38	nd	nd	4.30	nd	nd	nd	nd
	130	7.68	nd	nd	nd	nd	nd	3.41	nd	nd	6.76	6.40	7.00	nd	15.3	nd	8.83	2.72	3.97	nd	nd	3.99	nd	nd	nd	nd
	131	2.64	nd	nd	nd	nd	nd	3.59	nd	nd	5.55	5.28	4.95	nd	8.90	nd	7.12	nd	2.85	nd	nd	3.34	nd	nd	nd	nd
	132	1.85	nd	nd	nd	nd	nd	nd	nd	nd	2.71	2.79	3.22	nd	6.24	nd	4.67	nd	2.45	nd	nd	2.27	nd	nd	nd	nd
SB2	133	1.73	nd	nd	nd	nd	nd	nd	nd	nd	4.23	4.14	4.07	1.60	6.97	1.59	5.35	nd	nd	nd	nd	2.42	nd	nd	nd	nd
	134	1.78	nd	nd	nd	nd	nd	nd	nd	nd	4.05	4.02	4.25	1.69	7.19	1.64	5.65	nd	2.35	nd	nd	2.40	nd	nd	nd	nd
	135	3.80	nd	nd	nd	nd	nd	3.08	nd	nd	5.08	5.11	5.33	nd	9.20	2.00	6.99	nd	3.10	nd	nd	3.00	nd	nd	nd	nd
	136	3.15	nd	nd	nd	nd	2.35	4.37	nd	nd	6.82	7.46	7.45	2.84	13.2	2.81	10.2	nd	3.85	nd	nd	4.99	nd	nd	nd	nd
	137	6.28	nd	nd	nd	nd	nd	3.91	nd	nd	6.34	6.91	7.34	2.74	13.1	2.76	9.98	nd	3.94	nd	nd	5.04	nd	nd	nd	nd
SB3	138	6.40	nd	nd	nd	nd	4.03	7.10	nd	3.95	10.3	9.69	9.53	3.07	15.4	3.45	12.4	nd	5.10	nd	nd	5.62	nd	nd	nd	nd
		4.24	1.57	nd	nd	nd	2.52	4.63	nd	nd	6.18	6.16	6.46	2.54	10.4	2.58	8.53	nd	3.77	nd	nd	4.42	nd	nd	nd	nd
		10.5	nd	nd	nd	nd	4.07	7.05	nd	3.89	9.99	9.39	9.11	3.03	14.6	3.30	11.7	nd	4.87	nd	nd	5.57	nd	nd	nd	nd
	Mean*	7.04	nd	nd	nd	nd	3.54	6.26	nd	3.08	8.83	8.41	8.37	2.88	13.5	3.11	10.9	nd	4.58	nd	nd	5.20	nd	nd	nd	nd
	139	10.7	1.46	nd	nd	nd	4.59	8.09	nd	4.19	12.6	11.8	13.0	nd	19.5	4.69	17.1	nd	6.65	2.12	nd	7.57	2.48	nd	nd	nd
	140	7.93	nd	nd	nd	nd	3.52	6.46	nd	3.43	10.9	10.1	10.7	nd	16.7	3.99	14.6	nd	5.65	nd	nd	6.66	nd	nd	nd	nd
	141	2.95	nd	nd	nd	nd	2.49	4.83	nd	nd	7.78	7.89	8.10	nd	13.7	3.04	11.1	nd	4.57	nd	nd	5.04	nd	nd	nd	nd
	142	nd	nd	nd	nd	nd	nd	4.10	nd	nd	6.65	7.92	9.65	nd	16.5	3.67	13.2	nd	5.70	nd	nd	6.43	nd	nd	nd	nd
	MDL	1.08	1.35	1.51	1.73	1.95	2.04	2.89	3.10	2.78	1.59	1.62	1.76	1.56	1.94	1.59	1.81	2.58	2.33	1.90	2.18	2.24	2.22	2.46	2.30	2.27

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C6. PCB concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Tautog Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
TA1	143	5.28	1.71	nd	nd	nd	nd	nd	nd	nd	2.54	3.00	2.67	nd	5.29	nd	2.27	nd	nd	nd	nd	nd	nd	nd	nd	nd
	144	6.52	nd	nd	nd	nd	nd	nd	nd	nd	1.82	3.83	2.34	nd	5.24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	145	5.37	nd	nd	nd	nd	nd	nd	nd	nd	2.93	5.55	3.96	nd	8.12	1.79	2.87	nd	3.06	nd	nd	nd	nd	nd	nd	nd
	146	6.38	1.55	nd	nd	nd	2.35	2.97	nd	nd	2.66	6.36	4.18	2.25	9.06	2.09	2.94	nd	3.77	nd	nd	2.59	nd	nd	nd	nd
		4.36	nd	nd	nd	nd	nd	nd	nd	nd	2.45	5.77	3.76	nd	8.04	1.87	2.61	nd	3.30	nd	nd	nd	nd	nd	nd	nd
		6.70	1.47	nd	nd	nd	2.18	3.02	nd	nd	2.61	6.15	4.09	nd	8.78	2.05	2.86	nd	3.61	nd	nd	2.47	nd	nd	nd	nd
	Mean*	5.81	nd	nd	nd	nd	nd	nd	nd	nd	2.57	6.09	4.01	nd	8.63	2.00	2.80	nd	3.56	nd	nd	nd	nd	nd	nd	nd
	147	8.88	nd	nd	nd	nd	2.66	3.71	nd	nd	2.06	7.30	4.40	nd	12.0	2.57	2.88	nd	4.54	nd	nd	3.35	nd	nd	nd	nd
TA2	148	8.31	1.52	nd	nd	nd	nd	nd	nd	nd	2.68	6.18	3.39	nd	8.64	1.85	2.78	nd	3.98	nd	nd	2.40	nd	nd	nd	nd
	149	6.55	nd	nd	nd	nd	nd	nd	nd	nd	2.69	5.56	3.95	nd	8.49	1.92	2.91	nd	3.30	nd	nd	2.25	nd	nd	nd	nd
	150	8.00	nd	nd	nd	nd	nd	nd	nd	nd	2.50	4.27	3.18	nd	6.86	nd	2.92	nd	2.65	nd	nd	nd	nd	nd	nd	nd
	151	8.01	1.43	nd	nd	nd	2.45	3.35	nd	nd	4.36	6.64	5.55	nd	11.9	2.40	5.55	nd	4.19	nd	nd	3.05	nd	nd	nd	nd
TA3	152	7.92	nd	nd	nd	nd	2.93	3.12	nd	nd	2.02	7.74	4.14	nd	9.83	2.36	3.15	nd	4.55	nd	nd	4.45	nd	nd	nd	nd
	153	6.08	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.78	1.90	nd	5.23	nd	nd	nd	2.43	nd	nd	nd	nd	nd	nd	nd
	154	8.24	1.44	nd	nd	nd	3.74	4.83	nd	nd	3.22	8.89	5.46	nd	15.1	2.97	3.79	nd	5.64	nd	nd	5.72	nd	nd	nd	nd
	155	3.41	1.58	nd	nd	nd	4.80	6.90	nd	nd	5.76	12.3	9.00	nd	18.1	3.89	8.80	2.58	6.87	nd	nd	5.24	nd	nd	nd	nd
	156	12.3	nd	nd	nd	nd	5.48	6.61	nd	nd	6.21	13.0	10.8	nd	25.0	4.95	8.54	nd	10.4	2.00	nd	7.68	2.59	nd	nd	nd
		10.9	nd	nd	nd	nd	4.21	4.84	nd	nd	5.94	11.6	9.90	nd	22.3	4.42	7.75	nd	8.92	nd	nd	6.94	2.32	nd	nd	nd
		5.56	nd	nd	nd	nd	4.15	5.12	nd	nd	5.70	11.6	9.67	nd	22.2	4.44	7.74	nd	9.12	nd	nd	6.82	2.29	nd	nd	nd
	Mean*	9.57	nd	nd	nd	nd	4.61	5.52	nd	nd	5.95	12.1	10.1	nd	23.2	4.60	8.01	nd	9.47	nd	nd	7.15	2.40	nd	nd	nd
	MDL	1.08	1.35	1.51	1.73	1.95	2.04	2.89	3.10	2.78	1.59	1.62	1.76	1.56	1.94	1.59	1.81	2.58	2.33	1.90	2.18	2.24	2.22	2.46	2.30	2.27

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C7. PCB concentrations in muscle composites, ppb (ng/g) dry weight.

Bluefish Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
BL1	101	58.9	11.1	16.1	nd	nd	60.1	94.1	nd	56.9	123	112	113	nd	177	49.5	163	22.0	72.7	23.7	nd	100	24.5	nd	nd	nd
	102	163	19.1	17.7	nd	nd	53.6	82.2	nd	47.6	128	122	120	44.0	197	51.5	177	25.0	78.8	26.9	10.7	122	29.6	11.5	15.7	nd
	103	52.9	11.0	11.0	nd	nd	39.0	64.0	nd	36.6	102	101	101	nd	174	35.4	153	20.5	65.6	20.9	nd	104	23.7	nd	15.7	nd
	104	79.7	7.75	13.2	nd	nd	43.1	69.5	nd	38.9	94.0	88.3	82.8	29.5	138	31.0	118	16.7	48.6	16.7	nd	82.1	17.5	nd	nd	nd
	105	32.3	nd	nd	nd	nd	18.6	36.6	nd	19.8	74.4	81.2	73.9	nd	173	nd	114	23.6	46.8	14.5	nd	64.1	16.9	nd	nd	nd
BL2	106	58.1	9.33	nd	nd	nd	18.3	32.8	nd	15.8	65.2	80.2	77.5	37.8	168	23.5	137	20.3	61.0	19.8	nd	92.5	23.0	14.4	21.6	16.9
	107	103	19.0	8.05	nd	nd	18.8	30.5	nd	15.1	66.8	90.9	98.0	46.6	200	32.1	168	22.3	67.8	28.0	10.8	97.5	27.6	14.9	20.3	15.5
		155	15.5	8.32	nd	nd	19.3	29.9	nd	14.7	61.6	84.2	90.7	42.7	187	28.3	156	20.4	63.2	25.3	10.1	89.5	25.3	13.7	19.1	13.9
		134	14.2	7.22	nd	nd	19.7	31.4	nd	15.1	66.6	91.8	99.2	nd	206	30.3	170	21.9	68.6	27.5	10.6	98.3	27.1	14.5	20.5	15.6
	Mean*	131	16.2	7.87	nd	nd	19.3	30.6	nd	14.9	65.0	89.0	96.0	30.9	197	30.3	164	21.5	66.5	26.9	10.5	95.1	26.7	14.4	20.0	15.0
	108	135	16.1	nd	nd	nd	18.4	35.6	nd	17.2	78.1	106	113	nd	233	35.1	193	24.6	79.5	30.2	11.8	111	31.2	16.0	26.6	15.3
	109	51.9	9.53	nd	nd	nd	17.4	45.2	nd	20.7	73.4	89.7	91.4	nd	175	28.2	148	16.3	53.2	22.5	nd	78.9	22.1	nd	13.9	nd
	110	475	22.2	22.2	nd	nd	53.8	67.9	nd	38.6	95.3	106	105	nd	188	33.0	158	18.1	58.4	24.9	nd	101	24.9	12.0	18.0	12.7
BL3	111	163	30.7	11.5	nd	nd	27.4	53.6	nd	22.5	93.1	125	146	nd	245	43.2	205	22.0	63.7	36.6	11.6	99.9	28.4	nd	14.3	nd
	112	117	21.2	7.67	nd	nd	19.0	43.7	nd	19.2	89.1	124	134	nd	257	38.3	212	22.6	72.8	33.8	10.3	110	28.0	nd	12.6	nd
	113	268	42.5	25.2	nd	nd	69.3	92.8	nd	52.4	108	110	119	nd	196	47.3	172	20.7	61.2	30.7	10.3	110	28.4	nd	nd	nd
	114	181	26.0	10.8	nd	nd	14.5	23.7	nd	nd	42.9	62.3	74.4	nd	158	20.3	132	16.6	52.0	19.5	nd	66.3	19.2	nd	11.8	nd
	MDL	4.97	6.22	6.95	7.94	8.93	9.35	13.3	14.2	12.8	7.32	7.42	8.08	7.16	8.89	7.30	8.29	11.8	10.7	8.73	10.0	10.3	10.2	11.3	10.6	10.4

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C7. PCB concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Fluke Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
FL1	115	5.06	nd	nd	nd	nd	nd	nd	nd	nd	7.37	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	116	5.31	nd	nd	nd	nd	nd	nd	nd	nd	9.12	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL2	117	9.94	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Mean*	4.97	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	118	4.92	nd	nd	nd	nd	nd	nd	nd	nd	9.14	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL3	119	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.95	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	120	28.9	nd	nd	nd	nd	nd	nd	nd	nd	12.2	10.7	14.0	nd	23.8	nd	15.2	nd	nd	nd	nd	nd	nd	nd	nd	nd
	121	28.6	nd	nd	nd	nd	nd	nd	nd	nd	9.71	8.17	10.5	nd	17.4	nd	12.0	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL4	122	5.16	nd	nd	nd	nd	nd	nd	nd	nd	7.85	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	123	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	124	20.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL5	125	9.24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	126	7.96	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
FL6	127	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		15.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		16.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	Mean*	11.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	128	13.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	MDL	4.97	6.22	6.95	7.94	8.93	9.35	13.3	14.2	12.8	7.32	7.42	8.08	7.16	8.89	7.30	8.29	11.8	10.7	8.73	10.0	10.3	10.2	11.3	10.6	10.4

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C7. PCB concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Sea bass Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
SB1	129	37.5	8.09	nd	nd	nd	9.71	19.1	nd	nd	37.8	36.8	39.3	nd	83.3	nd	51.9	12.9	21.7	nd	nd	21.3	nd	nd	nd	nd
	130	38.7	nd	nd	nd	nd	9.50	17.2	nd	nd	34.1	32.2	35.3	nd	77.0	nd	44.5	13.7	20.0	nd	nd	20.1	nd	nd	nd	nd
	131	11.7	nd	nd	nd	nd	nd	16.0	nd	nd	24.6	23.5	22.0	nd	39.6	8.45	31.6	nd	12.7	nd	nd	14.8	nd	nd	nd	nd
	132	8.52	nd	nd	nd	nd	nd	nd	nd	nd	12.5	12.9	14.8	nd	28.8	nd	21.6	nd	11.3	nd	nd	10.5	nd	nd	nd	nd
SB2	133	7.52	nd	nd	nd	nd	nd	nd	nd	nd	18.4	17.9	17.7	nd	30.2	nd	23.2	nd	nd	nd	nd	10.5	nd	nd	nd	nd
	134	7.90	nd	nd	nd	nd	nd	nd	nd	nd	18.0	17.9	18.9	7.50	32.0	7.30	25.2	nd	nd	nd	nd	10.7	nd	nd	nd	nd
	135	16.7	nd	nd	nd	nd	nd	13.5	nd	nd	22.3	22.4	23.4	nd	40.3	8.77	30.6	nd	13.6	nd	nd	13.1	nd	nd	nd	nd
	136	13.4	nd	nd	nd	nd	10.0	18.6	nd	nd	29.1	31.8	31.7	12.1	56.2	12.0	43.3	nd	16.4	nd	nd	21.3	nd	nd	nd	nd
	137	27.3	nd	nd	nd	nd	nd	17.0	nd	nd	27.5	30.0	31.9	11.9	56.8	12.0	43.3	nd	17.1	nd	nd	21.9	nd	nd	nd	nd
SB3	138	29.2	nd	nd	nd	nd	18.4	32.4	nd	18.0	47.1	44.2	43.5	14.0	70.1	15.8	56.5	nd	23.3	nd	nd	25.7	nd	nd	nd	nd
		19.4	7.14	nd	nd	nd	11.5	21.1	nd	nd	28.2	28.1	29.5	11.6	47.6	11.8	38.9	nd	17.2	nd	nd	20.2	nd	nd	nd	nd
		47.9	nd	nd	nd	nd	18.6	32.2	nd	17.8	45.6	42.8	41.6	13.8	66.5	15.1	53.3	nd	22.2	nd	nd	25.4	nd	nd	nd	nd
	Mean*	32.2	nd	nd	nd	nd	16.2	28.6	nd	14.1	40.3	38.4	38.2	13.1	61.4	14.2	49.6	nd	20.9	nd	nd	23.8	nd	nd	nd	nd
	139	47.9	6.53	nd	nd	nd	20.5	36.2	nd	18.7	56.1	52.9	58.3	nd	87.3	21.0	76.6	nd	29.7	9.49	nd	33.9	11.1	nd	nd	nd
	140	33.8	nd	nd	nd	nd	15.0	27.6	nd	14.6	46.4	43.0	45.7	nd	71.1	17.0	62.2	nd	24.1	nd	nd	28.4	nd	nd	nd	nd
	141	12.6	nd	nd	nd	nd	10.7	20.6	nd	nd	33.2	33.7	34.6	nd	58.3	13.0	47.3	nd	19.5	nd	nd	21.5	nd	nd	nd	nd
	142	nd	nd	nd	nd	nd	nd	18.2	nd	nd	29.5	35.1	42.8	nd	72.9	16.3	58.6	nd	25.3	nd	nd	28.5	nd	nd	nd	nd
	MDL	4.97	6.22	6.95	7.94	8.93	9.35	13.3	14.2	12.8	7.32	7.42	8.08	7.16	8.89	7.30	8.29	11.8	10.7	8.73	10.0	10.3	10.2	11.3	10.6	10.4

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C7. PCB concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Tautog Station	Composite Sample #	BZ #1 (1 Cl)	BZ #8 (2 Cl)	BZ #18 (3 Cl)	BZ #29 (3 Cl)	BZ #50 (4 Cl)	BZ #28 (3 Cl)	BZ #52 (4 Cl)	BZ #104 (5 Cl)	BZ #44 (4 Cl)	BZ #66 (4 Cl)	BZ #101 (5 Cl)	BZ #118 (5 Cl)	BZ #188 (7 Cl)	BZ #153 (6 Cl)	BZ #105 (5 Cl)	BZ #138 (6 Cl)	BZ #126 (5 Cl)	BZ #187 (7 Cl)	BZ #128 (6 Cl)	BZ #200 (8 Cl)	BZ #180 (7 Cl)	BZ #170 (7 Cl)	BZ #195 (8 Cl)	BZ #206 (9 Cl)	BZ #209 (10 Cl)
TA1	143	23.4	7.56	nd	nd	nd	nd	nd	nd	nd	11.3	13.3	11.8	nd	23.4	nd	10.1	nd	nd	nd	nd	nd	nd	nd	nd	nd
	144	29.9	nd	nd	nd	nd	nd	nd	nd	nd	8.35	17.5	10.7	nd	24.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	145	23.4	nd	nd	nd	nd	nd	nd	nd	nd	12.8	24.2	17.3	nd	35.4	7.83	12.5	nd	13.4	nd	nd	nd	nd	nd	nd	nd
	146	28.2	6.83	nd	nd	nd	10.4	nd	nd	nd	11.7	28.1	18.4	9.92	40.0	9.21	13.0	nd	16.6	nd	nd	11.4	nd	nd	nd	nd
		19.3	nd	nd	nd	nd	nd	nd	nd	nd	10.8	25.5	16.6	nd	35.5	8.24	11.5	nd	14.6	nd	nd	nd	nd	nd	nd	nd
		29.6	6.47	nd	nd	nd	9.61	13.3	nd	nd	11.5	27.2	18.1	nd	38.8	9.07	12.6	nd	16.0	nd	nd	10.9	nd	nd	nd	nd
	Mean*	25.7	nd	nd	nd	nd	nd	nd	nd	nd	11.4	26.9	17.7	nd	38.1	8.84	12.4	nd	15.7	nd	nd	nd	nd	nd	nd	nd
	147	38.2	nd	nd	nd	nd	11.4	16.0	nd	nd	8.88	31.4	19.0	nd	51.6	11.1	12.4	nd	19.6	nd	nd	14.4	nd	nd	nd	nd
TA2	148	35.0	6.39	nd	nd	nd	nd	nd	nd	nd	11.3	26.0	14.3	nd	36.3	7.77	11.7	nd	16.7	nd	nd	nd	nd	nd	nd	nd
	149	27.9	nd	nd	nd	nd	nd	nd	nd	nd	11.4	23.7	16.8	nd	36.1	8.16	12.4	nd	14.1	nd	nd	nd	nd	nd	nd	nd
	150	35.4	nd	nd	nd	nd	nd	nd	nd	nd	11.0	18.9	14.1	nd	30.3	nd	12.9	nd	11.7	nd	nd	nd	nd	nd	nd	nd
	151	35.5	6.33	nd	nd	nd	10.9	14.8	nd	nd	19.3	29.4	24.6	nd	52.9	10.6	24.6	nd	18.6	nd	nd	13.5	nd	nd	nd	nd
TA3	152	36.6	nd	nd	nd	nd	13.5	14.4	nd	nd	9.34	35.7	19.1	nd	45.4	10.9	14.5	nd	21.0	nd	nd	20.6	nd	nd	nd	nd
	153	27.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	17.3	8.66	nd	23.9	nd	nd	nd	11.1	nd	nd	nd	nd	nd	nd	nd
	154	36.1	6.29	nd	nd	nd	16.4	21.2	nd	nd	14.1	39.0	23.9	nd	66.4	13.0	16.6	nd	24.7	nd	nd	25.0	nd	nd	nd	nd
	155	14.2	6.59	nd	nd	nd	20.0	28.8	nd	nd	24.1	51.2	37.6	nd	75.4	16.2	36.7	nd	28.7	nd	nd	21.9	nd	nd	nd	nd
	156	51.9	nd	nd	nd	nd	23.2	28.0	nd	nd	26.2	55.0	45.7	nd	106	20.9	36.1	nd	43.8	nd	nd	32.5	11.0	nd	nd	nd
		46.0	nd	nd	nd	nd	17.8	20.5	nd	nd	25.1	48.9	41.8	nd	94.3	18.7	32.8	nd	37.7	nd	nd	29.4	nd	nd	nd	nd
		23.5	nd	nd	nd	nd	17.5	21.6	nd	nd	24.1	49.1	40.9	nd	93.9	18.8	32.7	nd	38.5	nd	nd	28.8	nd	nd	nd	nd
	Mean*	40.5	nd	nd	nd	nd	19.5	23.4	nd	nd	25.1	51.0	42.8	nd	98.0	19.5	33.9	nd	40.0	nd	nd	30.2	nd	nd	nd	nd
	MDL	4.97	6.22	6.95	7.94	8.93	9.35	13.3	14.2	12.8	7.32	7.42	8.08	7.16	8.89	7.30	8.29	11.8	10.7	8.73	10.0	10.3	10.2	11.3	10.6	10.4

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.

Table C8. Pesticide concentrations in muscle composites, ppb (ng/g) wet weight.

Bluefish	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	octachlorostyrene	endrin	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	BL1	101	nd	nd	nd	nd	5.39	nd	nd	2.11	26.3	11.7	17.2	96.0	85.9	nd	3.17	6.06	nd
		102	nd	1.84	nd	nd	14.6	nd	nd	2.43	30.2	14.5	17.2	102	73.7	nd	5.97	7.31	nd
		103	nd	nd	nd	nd	4.12	nd	nd	nd	22.1	9.63	13.4	83.8	65.0	nd	3.70	5.70	nd
		104	nd	nd	nd	nd	9.34	nd	nd	nd	19.8	8.63	11.6	68.8	50.5	nd	3.26	4.30	nd
		105	nd	nd	nd	nd	3.46	nd	nd	nd	14.4	6.00	7.70	46.6	42.1	nd	3.39	3.77	nd
	BL2	106	nd	nd	nd	nd	3.51	nd	nd	nd	21.5	11.8	10.3	88.8	43.0	nd	4.92	5.72	nd
		107	nd	2.35	nd	nd	4.77	nd	nd	2.53	28.2	16.6	13.1	114	55.9	nd	7.25	7.45	nd
			nd	2.58	nd	nd	4.38	nd	nd	2.21	25.7	15.0	11.7	106	49.6	nd	6.43	6.77	nd
			nd	1.42	nd	nd	4.61	nd	nd	2.38	28.5	16.2	12.4	115	54.2	nd	6.72	7.31	nd
		Mean*	nd	2.12	nd	nd	4.59	nd	nd	2.37	27.5	15.9	12.4	111	53.2	nd	6.80	7.18	nd
		108	nd	1.95	nd	nd	4.60	nd	nd	2.11	29.3	16.4	12.3	114	54.3	nd	5.90	7.98	nd
		109	nd	nd	nd	nd	nd	nd	nd	nd	20.7	9.94	8.13	67.4	37.1	nd	7.38	5.25	1.89
		110	nd	2.66	nd	nd	5.31	nd	nd	nd	29.7	14.1	15.3	89.6	76.1	nd	13.3	6.02	3.07
	BL3	111	1.39	3.94	nd	nd	4.32	nd	nd	2.05	33.4	13.7	8.85	69.1	34.3	nd	5.79	6.93	2.56
		112	nd	1.51	nd	nd	4.35	nd	nd	2.31	35.1	17.0	10.6	84.2	40.9	nd	7.18	7.53	3.07
		113	nd	5.65	nd	nd	6.56	1.57	nd	2.78	38.1	19.9	20.1	117	105	nd	25.8	8.46	5.30
		114	nd	2.38	nd	nd	nd	nd	nd	nd	15.6	8.51	4.25	51.4	17.8	nd	3.49	4.83	3.79
		MDL	1.35	1.21	2.24	1.16	3.22	1.16	2.72	1.90	1.33	1.14	1.72	2.43	1.89	2.17	2.56	1.69	1.84

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C8. Pesticide concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Fluke	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	octachlorostyrene	endrin	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	FL1	115	nd	nd	nd	nd	nd	nd	nd	nd	1.37	nd	nd	nd	nd	nd	nd	nd	nd
		116	nd	nd	nd	nd	nd	nd	nd	nd	1.43	nd	nd	nd	nd	nd	nd	nd	nd
	FL2	117	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	1.42	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		118	nd	nd	nd	nd	nd	nd	nd	nd	1.45	nd	nd	nd	nd	nd	nd	nd	nd
	FL3	119	nd	nd	nd	nd	nd	nd	nd	nd	1.38	nd	nd	nd	3.81	nd	nd	nd	nd
		120	nd	nd	nd	nd	nd	nd	nd	nd	1.98	nd	nd	4.12	3.97	nd	nd	nd	nd
		121	nd	nd	nd	nd	nd	nd	nd	nd	1.47	nd	nd	2.48	3.59	nd	nd	nd	nd
	FL4	122	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.01	nd	nd	nd	nd
		123	nd	nd	nd	nd	nd	nd	nd	nd	1.54	nd	nd	nd	nd	nd	nd	nd	nd
		124	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL5	125	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		126	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL6	127	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		128	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	1.35	1.21	2.24	1.16	3.22	1.16	2.72	1.90	1.33	1.14	1.72	2.43	1.89	2.17	2.56	1.69	1.84

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C8. Pesticide concentrations in muscle composites, ppb (ng/g) wet weight (continued).

	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	octachlorostyrene	endrin	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
Sea bass																			
	SB1	129	nd	nd	nd	nd	nd	nd	nd	nd	3.33	2.60	2.91	9.87	10.8	nd	nd	nd	nd
		130	nd	nd	nd	nd	nd	nd	nd	nd	3.40	2.29	2.52	9.37	9.93	nd	nd	nd	nd
		131	nd	nd	nd	nd	nd	nd	nd	nd	2.93	2.00	1.81	8.43	5.43	nd	nd	nd	nd
		132	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	4.15	3.04	nd	nd	nd	nd
	SB2	133	nd	nd	nd	nd	nd	nd	nd	nd	1.82	1.48	nd	7.16	4.67	nd	nd	nd	nd
		134	nd	nd	nd	nd	nd	nd	nd	nd	2.03	1.42	nd	6.62	4.30	nd	nd	nd	nd
		135	nd	nd	nd	nd	nd	nd	nd	nd	2.28	1.75	nd	9.20	4.56	nd	nd	nd	nd
		136	nd	nd	nd	nd	nd	nd	nd	nd	4.38	2.74	2.53	13.8	9.00	nd	nd	nd	nd
		137	nd	nd	nd	nd	nd	nd	nd	nd	3.49	2.58	2.26	13.2	8.40	nd	nd	nd	nd
	SB3	138	nd	nd	nd	nd	nd	nd	nd	nd	4.89	3.20	3.42	16.6	10.7	nd	nd	1.71	nd
			nd	nd	nd	nd	nd	nd	nd	nd	3.01	2.09	2.07	9.60	7.41	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	4.73	3.07	3.25	15.1	9.97	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	4.21	2.79	2.91	13.7	9.34	nd	nd	nd	nd
		139	nd	nd	nd	nd	nd	nd	nd	nd	5.42	3.47	3.57	24.0	11.6	nd	nd	1.81	nd
		140	nd	nd	nd	nd	nd	nd	nd	nd	5.76	3.05	3.30	18.6	11.0	nd	nd	1.71	nd
		141	nd	nd	nd	nd	nd	nd	nd	nd	4.15	2.73	2.48	12.7	8.38	nd	nd	nd	nd
		142	nd	nd	nd	nd	nd	nd	nd	nd	3.11	2.56	2.05	13.1	7.47	nd	nd	1.93	nd
		MDL	1.35	1.21	2.24	1.16	3.22	1.16	2.72	1.90	1.33	1.14	1.72	2.43	1.89	2.17	2.56	1.69	1.84

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C8. Pesticide concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Tautog	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	endrin	octachlorostyrene	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	TA1	143	nd	nd	nd	nd	nd	nd	nd	nd	1.62	1.23	nd	nd	3.08	nd	nd	nd	2.20
		144	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.52	3.40	nd	nd	nd	nd
		145	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.53	nd	4.90	5.04	nd	nd	nd	nd
		146	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.97	nd	4.80	5.95	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	1.79	nd	4.27	5.38	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	1.91	nd	4.48	5.83	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.89	nd	4.52	5.72	nd	nd	nd	nd
		147	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.46	nd	9.57	7.50	nd	nd	nd	nd
	TA2	148	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.90	1.82	4.44	5.68	nd	nd	nd	nd
		149	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.57	nd	3.32	4.78	nd	nd	nd	nd
		150	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.27	nd	3.11	4.33	nd	nd	nd	nd
		151	nd	nd	nd	nd	nd	nd	nd	nd	1.81	2.05	1.75	4.66	5.87	nd	nd	nd	nd
	TA3	152	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.84	nd	7.40	5.83	nd	nd	nd	nd
		153	nd	nd	nd	nd	nd	nd	nd	nd	nd	1.35	nd	2.91	4.12	nd	nd	nd	nd
		154	nd	nd	nd	nd	nd	nd	nd	3.93	2.37	3.99	2.50	13.6	12.1	nd	nd	nd	nd
		155	nd	nd	nd	nd	nd	nd	nd	nd	2.28	3.56	2.39	4.52	9.46	nd	nd	nd	nd
		156	nd.	nd	nd	nd	nd	nd	nd	2.48	2.01	4.21	2.31	17.6	11.9	nd	nd	2.00	nd
			nd	nd	nd	nd	nd	nd	nd	2.33	1.87	3.81	2.09	14.8	10.7	nd	nd	1.81	nd
			nd	nd	nd	nd	nd	nd	nd	2.29	1.82	3.81	2.09	14.8	10.6	nd	nd	1.83	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	2.36	1.90	3.94	2.16	15.7	11.1	nd	nd	1.88	nd
		MDL	1.35	1.21	2.24	3.22	1.16	1.16	2.72	1.90	1.33	1.14	1.72	2.43	1.89	2.17	2.56	1.69	1.84

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C9. Pesticide concentrations in muscle composites, ppb (ng/g) dry weight.

Bluefish	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	octachlorostyrene	endrin	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	BL1	101	nd	nd	nd	nd	19.2	nd	nd	nd	93.7	41.5	61.4	342	306	nd	nd	21.6	nd
		102	nd	6.61	nd	nd	52.6	nd	nd	8.72	108	51.9	61.9	365	265	nd	21.4	26.3	nd
		103	nd	nd	nd	nd	15.6	nd	nd	nd	83.9	36.5	50.7	318	247	nd	14.0	21.6	nd
		104	nd	nd	nd	nd	35.1	nd	nd	nd	74.3	32.4	43.7	259	190	nd	12.2	16.1	nd
		105	nd	nd	nd	nd	nd	nd	nd	nd	57.1	23.8	30.6	185	167	nd	13.5	15.0	nd
	BL2	106	nd	nd	nd	nd	nd	nd	nd	nd	75.9	41.8	36.3	313	152	nd	17.3	20.2	nd
		107	nd	7.39	nd	nd	15.0	nd	nd	nd	88.8	52.2	41.1	357	176	nd	22.8	23.4	nd
			nd	8.12	nd	nd	nd	nd	nd	nd	80.8	47.2	36.7	333	156	nd	20.2	21.3	nd
			nd	nd	nd	nd	nd	nd	nd	nd	89.5	50.9	39.0	360	171	nd	21.1	23.0	nd
		Mean*	nd	6.09	nd	nd	nd	nd	nd	nd	86.4	50.1	38.9	350	168	nd	21.4	22.6	nd
		108	nd	6.63	nd	nd	15.6	nd	nd	nd	99.6	55.6	41.7	388	185	nd	20.1	27.1	nd
		109	nd	nd	nd	nd	nd	nd	nd	nd	71.5	34.4	28.1	233	129	nd	25.5	18.2	nd
		110	nd	8.84	nd	nd	17.6	nd	nd	nd	98.7	46.9	50.9	297	253	nd	44.3	20.0	10.2
	BL3	111	nd	12.9	nd	nd	nd	nd	nd	nd	110	45.0	29.1	227	113	nd	19.0	22.8	nd
		112	nd	nd	nd	nd	nd	nd	nd	nd	115	55.5	34.6	275	134	nd	23.5	24.6	10.0
		113	6.81	16.0	nd	nd	18.6	nd	nd	nd	108	56.4	56.8	332	297	nd	73.0	23.9	15.0
		114	nd	8.35	nd	nd	nd	nd	nd	nd	54.5	29.8	14.9	180	62.5	nd	12.2	16.9	13.3
		MDL	6.19	5.55	10.3	5.32	14.8	5.34	12.5	8.72	6.13	5.25	7.88	11.2	8.69	9.96	11.8	7.75	8.46

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C9. Pesticide concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Fluke	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	octachlorostyrene	endrin	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	FL1	115	nd	nd	nd	nd	nd	nd	nd	nd	6.37	nd	nd	nd	nd	nd	nd	nd	nd
		116	nd	nd	nd	nd	nd	nd	nd	nd	6.43	nd	nd	nd	nd	nd	nd	nd	nd
	FL2	117	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	6.55	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		118	nd	nd	nd	nd	nd	nd	nd	nd	6.19	nd	nd	nd	nd	nd	nd	nd	nd
	FL3	119	nd	nd	nd	nd	nd	nd	nd	nd	6.13	nd	nd	nd	16.9	nd	nd	nd	nd
		120	nd	nd	nd	nd	nd	nd	nd	nd	9.24	nd	nd	19.2	18.5	nd	nd	nd	nd
		121	nd	nd	nd	nd	nd	nd	nd	nd	6.86	nd	nd	11.6	16.8	nd	nd	nd	nd
	FL4	122	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.95	nd	nd	nd	nd
		123	nd	nd	nd	nd	nd	nd	nd	nd	6.63	nd	nd	nd	nd	nd	nd	nd	nd
		124	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL5	125	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		126	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL6	127	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		128	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	6.19	5.55	10.3	5.320	14.8	5.34	12.5	8.72	6.13	5.25	7.88	11.2	8.69	9.96	11.8	7.75	8.46

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C9. Pesticide concentrations in muscle composites, ppb (ng/g) dry weight (continued).

SeaBass	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	octachlorostyrene	endrin	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	SB1	129	nd	nd	nd	nd	nd	nd	nd	nd	16.5	12.9	14.4	48.9	53.8	nd	nd	nd	nd
		130	nd	nd	nd	nd	nd	nd	nd	nd	17.1	11.5	12.7	47.2	50.0	nd	nd	nd	nd
		131	nd	nd	nd	nd	nd	nd	nd	nd	13.0	8.89	8.02	37.4	24.1	nd	nd	nd	nd
		132	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	19.2	14.0	nd	nd	nd	nd
	SB2	133	nd	nd	nd	nd	nd	nd	nd	nd	7.89	6.43	nd	31.1	20.3	nd	nd	nd	nd
		134	nd	nd	nd	nd	nd	nd	nd	nd	9.04	6.34	nd	29.5	19.1	nd	nd	nd	nd
		135	nd	nd	nd	nd	nd	nd	nd	nd	10.0	7.66	nd	40.3	20.0	nd	nd	nd	nd
		136	nd	nd	nd	nd	nd	nd	nd	nd	18.7	11.7	10.8	58.6	38.4	nd	nd	nd	nd
		137	nd	nd	nd	nd	nd	nd	nd	nd	15.1	11.2	9.83	57.2	36.5	nd	nd	nd	nd
	SB3	138	nd	nd	nd	nd	nd	nd	nd	nd	22.3	14.6	15.6	75.5	48.6	nd	nd	7.79	nd
			nd	nd	nd	nd	nd	nd	nd	nd	13.7	9.54	9.43	43.8	33.8	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	21.6	14.0	14.8	68.9	45.5	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	19.2	12.7	13.3	62.7	42.7	nd	nd	nd	nd
		139	nd	nd	nd	nd	nd	nd	nd	nd	24.2	15.5	16.0	107	51.9	nd	nd	8.11	nd
		140	nd	nd	nd	nd	nd	nd	nd	nd	24.6	13.0	14.1	79.5	46.8	nd	nd	nd	nd
		141	nd	nd	nd	nd	nd	nd	nd	nd	17.7	11.7	10.6	54.1	35.8	nd	nd	nd	nd
		142	nd	nd	nd	nd	nd	nd	nd	nd	13.8	11.3	9.08	57.9	33.1	nd	nd	8.54	nd
		MDL	6.19	5.55	10.3	5.32	14.8	5.34	12.5	8.72	6.13	5.25	7.88	11.2	8.69	9.96	11.8	7.75	8.46

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C9. Pesticide concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Tautog	Station	Composite Sample #	hexachlorobenzene	lindane	aldrin	endrin	octachlorostyrene	heptachlor	heptachlor epoxide	oxychlordane	alpha-chlordane	trans-nonachlor	o,p'-DDE	p,p'-DDE	p,p'-DDD	o,p'-DDT	p,p'-DDT	photomirex	mirex
	TA1	143	nd	nd	nd	nd	nd	nd	nd	nd	7.16	5.46	nd	nd	13.6	nd	nd	nd	9.74
		144	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	11.5	15.6	nd	nd	nd	nd
		145	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.65	nd	21.4	22.0	nd	nd	nd	nd
		146	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.69	nd	21.2	26.3	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	7.90	nd	18.9	23.8	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	8.43	nd	19.8	25.7	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.34	nd	20.0	25.3	nd	nd	nd	nd
		147	nd	nd	nd	nd	nd	nd	nd	nd	nd	10.6	nd	41.2	32.3	nd	nd	nd	nd
	TA2	148	nd	nd	nd	nd	nd	nd	nd	nd	nd	7.98	nd	18.7	23.9	nd	nd	nd	nd
		149	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.70	nd	14.1	20.3	nd	nd	nd	nd
		150	nd	nd	nd	nd	nd	nd	nd	nd	nd	5.59	nd	13.7	19.1	nd	nd	nd	nd
		151	nd	nd	nd	nd	nd	nd	nd	nd	8.01	9.10	nd	20.6	26.0	nd	nd	nd	nd
	TA3	152	nd	nd	nd	nd	nd	nd	nd	nd	nd	8.48	nd	34.2	26.9	nd	nd	nd	nd
		153	nd	nd	nd	nd	nd	nd	nd	nd	nd	6.15	nd	13.3	18.8	nd	nd	nd	nd
		154	nd	nd	nd	nd	nd	nd	nd	17.2	10.4	17.5	11.0	59.4	53.2	nd	nd	nd	nd
		155	nd	nd	nd	nd	nd	nd	nd	nd	9.52	14.9	9.98	18.8	39.5	nd	nd	nd	nd
		156	nd	nd	nd	nd	nd	nd	nd	10.5	8.51	17.8	9.74	74.6	50.2	nd	nd	8.45	nd
			nd	nd	nd	nd	nd	nd	nd	9.85	7.90	16.1	8.83	62.6	45.3	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	9.67	7.69	16.1	8.84	62.5	44.9	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	9.99	8.03	16.7	9.14	66.6	46.8	nd	nd	nd	nd
		MDL	6.19	5.55	10.3	5.32	14.8	5.34	12.5	8.72	6.13	5.25	7.88	11.2	8.69	9.96	11.8	7.75	8.46

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

Table C10. PAH concentrations in muscle composites, ppb (ng/g) wet weight.

Bluefish	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	BL1	101	nd	nd	nd	nd	nd	nd	8.93	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		102	nd	nd	nd	nd	nd	nd	8.39	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		103	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		104	nd	nd	nd	nd	nd	nd	5.61	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		105	nd	nd	nd	nd	nd	nd	3.33	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	BL2	106	nd	nd	nd	nd	nd	nd	6.44	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		107	nd	nd	nd	nd	nd	nd	8.44	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	8.24	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	8.33	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	8.34	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		108	nd	nd	nd	nd	nd	nd	6.78	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		109	nd	nd	nd	nd	nd	nd	5.06	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		110	nd	nd	nd	nd	nd	nd	4.33	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	BL3	111	nd	nd	nd	nd	nd	nd	6.36	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		112	nd	nd	nd	nd	nd	nd	3.68	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		113	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		114	nd	nd	nd	nd	nd	nd	3.66	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	2.59	1.40	2.38	2.16	9.18	3.39	2.15	10**	10**	3.46	3.87	1.19	4.33	5.12	2.48	3.99	4.41	3.28	6.44	5.19	10**	17.8	10**	10.3

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C10. PAH concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Fluke	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	FL1	115	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		116	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL2	117	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.49	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		118	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.06	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL3	119	7.4	12.1	6.73	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.75	nd	nd	nd	nd	nd	nd	nd	nd	nd
		120	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.68	nd	nd	nd	nd	nd	nd	nd	nd	nd
		121	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL4	122	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.68	nd	nd	nd	nd	nd	nd	nd	nd	nd
		123	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.51	nd	nd	nd	nd	nd	nd	nd	nd	nd
		124	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.92	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL5	125	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.60	nd	nd	nd	nd	nd	nd	nd	nd	nd
		126	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL6	127	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.49	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		128	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	2.59	1.40	2.38	2.16	9.18	3.39	2.15	10**	10**	3.46	3.87	1.19	4.33	5.12	2.48	3.99	4.41	3.28	6.44	5.19	10**	17.8	10**	10.3

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C10. PAH concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Sea bass	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	SB1	129	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		130	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		131	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		132	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	SB2	133	no	data																						
		134	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.35	nd	nd	nd	nd	nd	nd	nd	nd	nd
		135	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.13	nd	nd	nd	nd	nd	nd	nd	nd	nd
		136	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.02	nd	nd	nd	nd	nd	nd	nd	nd	nd
		137	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.09	nd	nd	nd	nd	nd	nd	nd	nd	nd
	SB3	138	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.89	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.12	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		139	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		140	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		141	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		142	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	2.59	1.40	2.38	2.16	9.18	3.39	2.15	10**	10**	3.46	3.87	1.19	4.33	5.12	2.48	3.99	4.41	3.28	6.44	5.19	10**	17.8	10**	10.3

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C10. PAH concentrations in muscle composites, ppb (ng/g) wet weight (continued).

Tautog	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	TA1	143	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.80	nd	nd	nd	nd	nd	nd	nd	nd	nd
		144	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.95	nd	nd	nd	nd	nd	nd	nd	nd	nd
		145	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.75	nd	nd	nd	nd	nd	nd	nd	nd	nd
		146	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.59	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.88	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.60	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.69	nd	nd	nd	nd	nd	nd	nd	nd	nd
		147	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.69	nd	nd	nd	nd	nd	nd	nd	nd	nd
	TA2	148	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.89	nd	nd	nd	nd	nd	nd	nd	nd	nd
		149	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		150	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		151	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.05	nd	nd	nd	nd	nd	nd	nd	nd	nd
	TA3	152	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.69	nd	nd	nd	nd	nd	nd	nd	nd	nd
		153	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	2.67	nd	nd	nd	nd	nd	nd	nd	nd	nd
		154	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.21	nd	nd	nd	nd	nd	nd	nd	nd	nd
		155	nd	1.41	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.73	nd	nd	nd	nd	nd	nd	nd	nd	nd
		156	nd	1.41	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.82	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.54	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.60	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	3.65	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	2.59	1.40	2.38	2.16	9.18	3.39	2.15	10**	10**	3.46	3.87	1.19	4.33	5.12	2.48	3.99	4.41	3.28	6.44	5.19	10**	17.8	10**	10.3

nd = less than method detection limit (MDL).
*Mean of replicates; MDL/2 used for nd values.
**Peaks were not found (see text).

Table C11. PAH concentrations in muscle composites, ppb (ng/g) dry weight.

Bluefish	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	BL1	101	nd	nd	nd	nd	nd	nd	31.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		102	nd	nd	nd	nd	nd	nd	30.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		103	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		104	nd	nd	nd	nd	nd	nd	21.1	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		105	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	BL2	106	nd	nd	nd	nd	nd	nd	22.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		107	nd	nd	nd	nd	nd	nd	26.6	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	25.9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	26.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	26.2	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		108	nd	nd	nd	nd	nd	nd	23.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		109	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		110	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	BL3	111	nd	nd	nd	nd	nd	nd	20.9	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		112	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		113	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		114	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	22.4	12.1	20.5	18.6	80.1	29.3	18.5	85**	85**	29.9	32.6	10.1	38.3	45.4	20.1	33.0	37.4	28.4	54.6	44.8	85**	153	85**	88.9

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C11. PAH concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Fluke	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	FL1	115	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		116	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL2	117	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		118	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL3	119	32.8	53.5	29.8	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		120	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		121	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL4	122	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		123	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		124	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL5	125	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		126	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	FL6	127	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		128	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	22.4	12.1	20.5	18.6	80.1	29.3	18.5	85**	85**	29.9	32.6	10.1	38.3	45.4	20.1	33.0	37.4	28.4	54.6	44.8	85**	153	85**	88.9

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C11. PAH concentrations in muscle composites, ppb (ng/g) dry weight (continued).

	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
Sea bass																										
	SB1	129	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		130	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		131	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		132	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	SB2	133	no	data																						
		134	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		135	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		136	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		137	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	SB3	138	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		139	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		140	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		141	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		142	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	22.4	12.1	20.5	18.6	80.1	29.3	18.5	85**	85**	29.9	32.6	10.1	38.3	45.4	20.1	33.0	37.4	28.4	54.6	44.8	85**	153	85**	88.9

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C11. PAH concentrations in muscle composites, ppb (ng/g) dry weight (continued).

Tautog	Station	Composite Sample #	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalene	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
	TA1	143	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		144	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		145	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		146	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		147	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	TA2	148	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		149	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		150	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		151	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
	TA3	152	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		153	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		154	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		155	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		156	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
			nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		Mean*	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
		MDL	22.4	12.1	20.5	18.6	80.1	29.3	18.5	85**	85**	29.9	32.6	10.1	38.3	45.4	20.1	33.0	37.4	28.4	54.6	44.8	85**	153	85**	88.9

nd = less than method detection limit (MDL).

*Mean of replicates; MDL/2 used for nd values.

**Peaks were not found (see text).

Table C12. Total PCBs, total "arochlor-based" PCBs (multiplied by 2), total DDTs, total chlordanes, ppb (ng/g) wet weight; percent lipid and percent water in composites.

Bluefish	Station	Composite Sample #	ΣPCB[a]	2x Σ18PCB[b])	ΣDDTs[c]	ΣChlordane[d]	Percent Lipid	Percent water
	BL1	101	370	682	203	42.0	7.22	71.9
		102	434	727	200	49.0	10.6	72.2
		103	307	562	167	34.6	3.78	73.6
		104	280	484	135	31.3	4.59	73.4
		105	212	385	101	23.3	3.96	74.8
	BL2	106	289	501	148	36.2	4.69	71.6
		107	385	647	191	49.3	8.23	68.2
			376	601	175	44.8	7.62	
			382	651	189	49.0	8.07	
		Mean*	381	633	185	47.7	7.97	
		108	397	685	188	49.7	7.25	70.6
		109	289	528	121	33.5	4.33	71.1
		110	499	688	195	46.8	5.93	69.9
	BL3	111	447	766	119	51.1	8.43	69.6
		112	427	755	144	56.3	7.06	69.4
		113	568	912	269	63.8	13.2	64.7
		114	278	430	78.0	27.0	6.18	71.4
Fluke								
	FL1	115	25.9	36.6	5.39	4.83	0.650	78.6
		116	28.1	40.8	5.39	4.90	0.475	77.7
	FL2	117	27.0	36.6	5.39	4.13	0.440	78.3
			25.4	36.6	5.39	4.89	0.482	
			25.4	36.6	5.39	4.13	0.450	
		Mean*	25.9	36.6	5.39	4.13	0.457	
		118	28.2	41.1	5.39	4.91	0.476	76.6
	FL3	119	27.2	40.2	8.25	4.84	0.433	77.4
		120	43.0	60.5	11.3	5.45	1.28	78.5
		121	39.0	52.6	9.29	4.93	1.05	78.6
	FL4	122	27.0	38.5	6.45	4.13	0.469	77.6
		123	26.2	38.3	5.39	5.00	0.585	76.8
		124	29.2	36.6	5.39	4.13	0.466	78.2
	FL5	125	27.1	36.6	5.39	4.13	0.392	75.6
		126	26.7	36.6	5.39	4.13	0.320	76.8
	FL6	127	25.4	36.6	5.39	4.13	0.345	77.3
			28.3	36.6	5.39	4.13	0.316	
			28.5	36.6	5.39	4.13	0.335	
		Mean*	27.4	36.6	5.39	4.13	0.332	
		128	28.0	36.6	5.39	4.13	0.370	76.6

[a] Sum of 25 PCBs listed in Table A3.
[b] Estimated "arochlor-based" PCB ≈ 2 times the sum of 18 PCBs listed in Table A3 (see text).
[c] Sum of 5 DDTs listed in Table A3.
[d] Sum of 5 Chlordanes listed in Table A3.
[abcd] One-half the method detection limit (MDL) was used for values less than the detection limit (nd in appendix).
*Mean of replicates.

Table C12. Total PCBs, total "arochlor-based" PCBs (multiplied by 2), total DDTs, total chlordanes, ppb (ng/g) wet weight; percent lipid and percent water in composites (continued).

	Station	Composite Sample #	ΣPCB[a]	2x Σ18PCB[b]	ΣDDTs[c]	ΣChlordane[d]	Percent Lipid	Percent water
Sea bass								
	SB1	129	89.3	148	26.0	8.82	3.18	79.8
		130	81.5	132	24.2	8.58	2.40	80.2
		131	61.0	104	18.0	7.82	1.70	77.5
		132	44.4	72.0	10.4	4.13	0.623	78.3
	SB2	133	49.9	81.6	15.1	6.19	1.53	76.9
		134	51.6	84.8	14.1	6.35	1.09	77.5
		135	62.7	105	17.0	6.92	1.38	77.2
		136	83.6	144	27.6	10.0	2.59	76.5
		137	83.5	137	26.2	8.96	2.28	77.0
	SB3	138	109	187	33.0	11.0	2.97	78.1
			77.5	130	21.4	7.99	1.97	
			110	181	30.7	10.7	2.72	
		Mean*	98.7	165	28.4	9.88	2.55	
		139	137	240	41.5	11.8	3.46	77.6
		140	114	199	35.3	11.7	2.85	76.6
		141	86.4	154	25.9	9.77	1.98	76.6
		142	90.3	166	24.9	8.56	1.58	77.4
Tautog								
	TA1	143	42.6	61.5	7.52	5.74	1.33	77.4
		144	41.1	56.1	9.14	4.13	1.70	78.2
		145	52.2	80.5	13.2	5.08	2.13	77.1
		146	62.6	96	14.0	5.53	2.27	77.4
			50.7	79.6	12.9	5.35	2.18	
			60.3	94.0	13.5	5.47	2.23	
		Mean*	54.0	83.3	13.5	5.45	2.23	
		147	69.3	108	20.3	6.02	1.89	76.8
	TA2	148	58.5	87.2	14.3	5.46	2.44	76.2
		149	55.0	83.8	11.3	5.13	1.70	76.5
		150	49.7	70.3	10.7	4.82	1.43	77.4
		151	73.2	117	14.6	6.75	2.38	77.4
	TA3	152	67.2	105	16.5	5.39	1.60	78.3
		153	40.5	55.6	10.3	4.91	0.986	78.1
		154	83.3	137	30.6	12.2	2.72	77.2
		155	102	182	18.7	8.74	2.75	76.0
		156	128	219	34.2	10.6	2.67	76.3
			114	193	30.0	9.95	2.46	
			108	192	29.9	9.86	2.47	
		Mean*	116	201	31.3	10.1	2.53	

[a] Sum of 25 PCBs listed in Table A3.
[b] Estimated "arochlor-based" PCB ≈ 2 times the sum of 18 PCBs listed in Table A3 (see text).
[c] Sum of 5 DDTs listed in Table A3.
[d] Sum of 5 Chlordanes listed in Table A3.
[abcd] One-half the method detection limit (MDL) was used for values less than the detection limit (nd in appendix).
*Mean of replicates.

Table C13. Total PCBs, total "arochlor-based" PCBs (multiplied by 2), total DDTs, total chlordanes, ppb (ng/g) dry weight; percent lipid and percent water in composites.

	Station	Composite Sample #	ΣPCB[a]	2x Σ18PCB[b]	ΣDDTs[c]	ΣChlordane[d]	Percent Lipid	Percent water
Bluefish								
	BL1	101	1318	2427	720	149	7.22	71.9
		102	1564	2612	718	178	10.6	72.2
		103	1166	2136	634	134	3.78	73.6
		104	1053	1812	509	120	4.59	73.4
		105	840	1520	401	94	3.96	74.8
	BL2	106	1017	1761	524	131	4.69	71.6
		107	1216	2036	602	154	8.23	68.2
			1189	1890	551	141	7.62	
			1209	2047	596	154	8.07	
		Mean*	1205	1991	583	150	7.97	
		108	1351	2320	639	168	7.25	70.6
		109	996	1807	421	119	4.33	71.1
		110	1659	2285	650	159	5.93	69.9
	BL3	111	1473	2513	393	168	8.43	69.6
		112	1402	2467	472	183	7.06	69.4
		113	1600	2563	764	178	13.2	64.7
		114	973	1502	274	97.5	6.18	71.4
Fluke								
	FL1	115	123	175	24.7	22.3	0.650	78.6
		116	125	179	24.7	22.3	0.475	77.7
	FL2	117	124	168	24.7	19.0	0.440	78.3
			117	168	24.7	22.4	0.482	
			117	168	24.7	19.0	0.450	
		Mean*	119	168	24.7	20.1	0.457	
		118	124	179	24.7	22.1	0.476	76.6
	FL3	119	121	177	37.3	22.0	0.433	77.4
		120	199	280	52.5	25.1	1.28	78.5
		121	180	244	43.1	22.8	1.05	78.6
	FL4	122	123	176	29.3	19.0	0.469	77.6
		123	117	168	24.7	22.5	0.585	76.8
		124	134	168	24.7	19.0	0.466	78.2
	FL5	125	123	168	24.7	19.0	0.392	75.6
		126	122	168	24.7	19.0	0.320	76.8
	FL6	127	117	168	24.7	19.0	0.345	77.3
			129	168	24.7	19.0	0.316	
			130	168	24.7	19.0	0.335	
		Mean*	125	168	24.7	19.0	0.332	
		128	128	168	24.7	19.0	0.370	76.6

[a] Sum of 25 PCBs listed in Table A3.
[b] Estimated "arochlor-based" PCB ≈ 2 times the sum of 18 PCBs listed in Table A3 (see text).
[c] Sum of 5 DDTs listed in Table A3.
[d] Sum of 5 Chlordanes listed in Table A3.
[abcd] One-half the method detection limit (MDL) was used for values less than the detection limit (nd in appendix).
*Mean of replicates.

Table C13. Total PCBs, total "arochlor-based" PCBs (multiplied by 2), total DDTs, total chlordanes, ppb (ng/g) dry weight; percent lipid and percent water in composites (continued).

Sea bass	Station	Composite Sample #	ΣPCB[a]	2x Σ18PCB[b]	ΣDDTs[c]	ΣChlordane[d]	Percent Lipid	Percent water
	SB1	129	443	736	128	42.7	3.18	79.8
		130	409	664	121	41.9	2.40	80.2
		131	278	473	80.5	35.2	1.70	77.5
		132	204	332	48.0	19.0	0.623	78.3
	SB2	133	214	353	66.1	27.6	1.53	76.9
		134	227	370	63.4	28.7	1.09	77.5
		135	278	462	75.1	30.9	1.38	77.2
		136	361	618	119	43.6	2.59	76.5
		137	366	601	114	39.6	2.28	77.0
	SB3	138	497	854	151	50.2	2.97	78.1
			354	593	97.9	36.5	1.97	
			501	827	140	48.9	2.72	
		Mean*	451	758	130	45.2	2.55	
		139	616	1076	186	53.0	3.46	77.6
		140	491	855	151	50.9	2.85	76.6
		141	374	662	111	42.7	1.98	76.6
		142	403	741	111	38.4	1.58	77.4
Tautog								
	TA1	143	192	277	34.0	25.9	1.33	77.4
		144	189	258	41.9	19.0	1.70	78.2
		145	232	357	58.2	23.0	2.13	77.1
		146	272	416	62.3	25.0	2.27	77.4
			227	356	57.4	24.2	2.18	
			269	418	60.3	24.8	2.23	
		Mean*	256	396	60.0	24.7	2.23	
		147	303	469	88.3	26.9	1.89	76.8
	TA2	148	247	365	57.3	24.3	2.44	76.2
		149	236	355	49.3	23.0	1.70	76.5
		150	219	308	47.7	21.9	1.43	77.4
		151	327	522	61.4	30.4	2.38	77.4
	TA3	152	310	486	75.9	24.8	1.60	78.3
		153	185	255	46.9	22.5	0.986	78.1
		154	368	604	134	54.0	2.72	77.2
		155	427	765	79.2	37.7	2.75	76.0
		156	544	923	145	45.7	2.67	76.3
			481	811	128	42.8	2.46	
			458	809	127	42.4	2.47	
		Mean*	494	848	133	43.6	2.53	

[a] Sum of 25 PCBs listed in Table A3.
[b] Estimated "arochlor-based" PCB ≈ 2 times the sum of 18 PCBs listed in Table A3 (see text).
[c] Sum of 5 DDTs listed in Table A3.
[d] Sum of 5 Chlordanes listed in Table A3.
[abcd] One-half the method detection limit (MDL) was used for values less than the detection limit (nd in appendix).
* Mean of replicates.

Table C14. Percent recoveries of dioxin and furan internal standards added to composites.

Bluefish	Station	Composite Sample #	^{13}C-2,3,7,8-TCDD	^{13}C-2,3,7,8-TCDF	^{13}C-1,2,3,7,8-P5CDD	^{13}C-1,2,3,7,8-P5CDF	^{13}C-2,3,4,7,8-P5CDF	^{13}C-1,2,3,6,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDF	^{13}C-1,2,3,6,7,8-H6CDF	^{13}C-1,2,3,7,8,9-H6CDF	^{13}C-2,3,4,6,7,8-H6CDF	^{13}C-1,2,3,4,6,7,8-H7CDD	^{13}C-1,2,3,4,6,7,8-H7CDF	^{13}C-1,2,3,4,7,8,9-H7CDF	^{13}C-OCDD
	BL1	101	88.8	700	48.6	37.0	69.1	50.1	110	NR	NR	NR	NR	603	575	470	444
		102	46.8	271	43.1	39.3	52.3	135	69.8	NR	NR	NR	NR	322	344	NR	229
		103	20.7	97.0	NR	19.3	32.5	86.2	NR	NR	NR	NR	NR	283	275	164	241
		104	44.5	167	0	47.4	37.3	48.8	39.8	75.8	33.9	47.7	82.3	351	348	433	299
		105	NR	114	21.8	38.5	31.4	NR	NR	NR	NR	NR	NR	300	296	195	215
	BL2	106	61.4	102	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		107	50.6	287	40.9	30.4	39.4	NR	NR	NR	NR	NR	NR	2673	630	823	1224
			125	267	NR	NR	NR	NR	NR	NR	NR	NR	NR	508	489	615	510
			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		108	30.7	89.8	NR	18.8	40.5	83.0	66.2	NR	NR	NR	NR	605	422	413	122
		109	N/A	69.4	NR	15.1	9.5	143	22.9	NR	NR	NR	NR	314	269	166	NR
		110	19.1	109	NR	18.4	NR	NR	NR	NR	NR	NR	NR	267	250	279	NR
	BL3	111	40.2	69.1	27.6	19.7	34.5	53.4	37.1	34.5	25.8	56.2	41.7	81.2	46.4	71.2	26.7
		112	16.1	48.4	27.9	20.1	46.9	103	70.1	35.9	47.1	53.4	36.1	193	130	126	113
		113	48.4	257	17.9	18.1	53.9	NR	NR	NR	NR	NR	NR	198	97.3	NR	79.5
		114	54.8	84.3	30.9	25.2	61.1	59.5	38.2	28.8	38.4	73.2	75.8	179	144	148	97.9

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C14. Percent recoveries of dioxin and furan internal standards added to composites (continued).

	Station	Composite Sample #	^{13}C-2,3,7,8-TCDD	^{13}C-2,3,7,8-TCDF	^{13}C-1,2,3,7,8-P5CDD	^{13}C-1,2,3,7,8-P5CDF	^{13}C-2,3,4,7,8-P5CDF	^{13}C-1,2,3,6,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDF	^{13}C-1,2,3,6,7,8-H6CDF	^{13}C-1,2,3,7,8,9-H6CDF	^{13}C-2,3,4,6,7,8-H6CDF	^{13}C-1,2,3,4,6,7,8-H7CDD	^{13}C-1,2,3,4,6,7,8-H7CDF	^{13}C-1,2,3,4,7,8,9-H7CDF	^{13}C-OCDD
Fluke																	
	FL1	115	93.6	98.7	72.1	71.8	73.2	71.8	91.5	91.8	83.0	86.9	110	145	128	126	159
		116	44.6	28.5	39.7	29.0	38.0	42.9	38.5	44.9	34.5	40.2	57.2	51.4	39.2	63.1	57.1
	FL2	117	31.5	17.9	14.4	18.2	11.6	27.6	42.0	14.6	24.6	27.3	16.0	36.6	31.2	27.9	42.7
			34.4	32.9	13.8	26.5	29.9	25.6	20.1	21.1	22.0	17.6	27.0	23.2	29.5	54.9	2.1
			33.5	16.7	21.8	17.1	13.5	46.1	38.6	20.8	23.4	35.4	25.5	29.7	29.4	21.0	27.6
		118	29.6	14.5	22.3	13.1	16.3	51.0	74.7	64.3	39.2	64.1	56.9	62.2	93.7	59.7	74.9
	FL3	119	29.8	21.1	34.8	22.0	19.7	38.7	22.3	29.4	24.2	25.4	31.4	53.4	24.3	48.4	59.9
		120	34.7	25.3	41.2	21.0	25.6	73.5	39.9	39.2	40.3	45.8	47.8	73.8	39.3	69.1	55.7
		121	17.7	11.2	30.3	9.6	12.8	35.2	27.1	21.3	17.7	28.1	34.0	30.7	52.7	17.5	56.1
	FL4	122	23.4	16.6	12.5	9.2	9.20	41.1	27.5	24.0	21.0	31.5	27.5	23.2	53.9	37.1	71.4
		123	26.2	11.7	14.2	6.5	10.4	26.2	22.0	28.9	12.2	23.1	22.7	15.8	21.2	20.8	18.6
		124	24.2	18.4	22.0	19.5	13.9	44.5	38.5	34.4	21.4	26.1	40.2	31.6	35.5	32.3	61.5
	FL5	125	60.5	37.3	46.4	36.6	41.1	60.9	77.0	56.4	55.2	48.6	69.1	90.2	84.2	91.8	66.9
		126	22.6	18.6	13.7	19.6	15.1	14.0	15.6	7.20	10.5	11.0	16.1	10.4	10.2	24.3	2.10
	FL6	127	65.8	42.6	71.4	30.7	32.1	57.1	61.8	41.2	41.7	39.0	60.6	59.2	63.6	75.6	59.8
		128	150	127	229	144	142	60.6	75.2	58.6	46.8	57.4	81.0	80.0	73.1	67.3	78.9

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C14. Percent recoveries of dioxin and furan internal standards added to composites (continued).

	Station	Composite Sample #	^{13}C-2,3,7,8-TCDD	^{13}C-2,3,7,8-TCDF	^{13}C-1,2,3,7,8-P5CDD	^{13}C-1,2,3,7,8-P5CDF	^{13}C-2,3,4,7,8-P5CDF	^{13}C-1,2,3,6,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDF	^{13}C-1,2,3,6,7,8-H6CDF	^{13}C-1,2,3,7,8,9-H6CDF	^{13}C-2,3,4,6,7,8-H6CDF	^{13}C-1,2,3,4,6,7,8-H7CDD	^{13}C-1,2,3,4,6,7,8-H7CDF	^{13}C-1,2,3,4,7,8,9-H7CDF	^{13}C-OCDD
Sea bass																	
	SB1	129	35.3	28.7	22.4	26.1	32.1	42.2	44.8	74.2	29.9	48.2	39.5	80.7	68.1	103	83.3
		130	29.4	20.2	23.2	20.9	18.8	113	62.9	57.5	60.0	59.0	58.8	92.8	111	70.2	46.2
		131	20.7	33.4	46.1	25.7	31.1	76.7	68.3	46.9	44.3	38.9	28.7	87.1	117	83.9	83.0
		132	49.0	37.2	51.5	35.2	21.9	48.6	68.1	56.7	73.6	62.2	50.8	106	80.0	80.5	79.7
	SB2	133	43.9	35.2	33.0	29.2	29.1	51.3	64.7	45.2	33.6	63.6	37.9	88.1	70.6	93.5	38.2
		134	41.7	32.2	24.7	22.4	18.2	87.8	61.5	69.9	32.8	42.9	74.6	91.5	126	123	70.7
		135	34.2	39.6	21.1	30.1	31.1	NR	NR	NR	NR	NR	NR	301	250	210	165
		136	56.8	36.8	15760	44.8	35.9	107	76.5	18.2	NR	NR	NR	581	736	844	1376
		137	52.6	28.7	32.3	20.5	16.4	77.3	104	58.1	62.2	83.3	68.2	135	125	135	87.7
	SB3	138	46.7	31.9	46.4	25.3	32.5	40.7	58.4	37.2	46.4	54.0	33.7	86.6	68.1	46.7	49.5
		139	58.8	39.3	44.5	32.1	40.4	71.3	70.1	84.2	49.5	67.3	61.0	154	119	52.1	99.1
		140	45.9	40.4	25.7	36.0	45.7	116	54.1	70.4	37.4	65.0	52.2	228	288	149	187
		141	116	63.2	38.4	23.7	34.8	60.4	29.6	49.3	40.7	33.2	29.9	138	82.1	117	55.8
		142	34.1	32.1	34.9	18.8	20.9	79.9	60.0	103	85.5	66.6	40.5	189	112	86.5	88.3

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C14. Percent recoveries of dioxin and furan internal standards added to composites (continued).

Tautog	Station	Composite Sample #	^{13}C-2,3,7,8-TCDD	^{13}C-2,3,7,8-TCDF	^{13}C-1,2,3,7,8-P5CDD	^{13}C-1,2,3,7,8-P5CDF	^{13}C-2,3,4,7,8-P5CDF	^{13}C-1,2,3,6,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDD	^{13}C-1,2,3,4,7,8-H6CDF	^{13}C-1,2,3,6,7,8-H6CDF	^{13}C-1,2,3,7,8,9-H6CDF	^{13}C-2,3,4,6,7,8-H6CDF	^{13}C-1,2,3,4,6,7,8-H7CDD	^{13}C-1,2,3,4,6,7,8-H7CDF	^{13}C-1,2,3,4,7,8,9-H7CDF	^{13}C-OCDD
	TA1	143	23.2	29.7	22.4	17.5	16.7	84.2	15.5	15.1	30.0	45.6	53.0	317	167	102	156
		144	31.1	29.2	26.7	27.4	26.3	20.5	82.3	14.0	18.4	51.8	41.9	356	143	117	185
		145	12.6	35.5	51.8	30.9	41.2	69.1	85.8	53.7	53.3	73.1	42.2	69.1	69.1	31.6	66.4
		146	31.9	34.8	17.8	15.6	22.9	24.4	52.5	36.0	17.3	19.7	38.3	367	158	103	212
			57.6	56.9	44.3	48.5	55.4	74.8	72.2	63.7	59.5	75.5	57.5	71.2	60.5	72.6	52.8
			12.9	43.5	14.1	41.7	32.8	60.3	42.8	63.7	63.2	67.3	111	826	482	551	543
		147	38.7	35.7	19.7	31.2	34.3	68.2	37.0	26.0	24.9	29.5	60.4	88.9	79.4	40.3	42.8
	TA2	148	39.0	46.1	17.0	31.6	29.3	53.9	33.3	43.9	23.1	32.6	53.6	89.3	81.9	46.8	32.2
		149	28.6	39.4	14.2	19.7	21.1	60.1	46.1	51.3	35.9	53.1	58.5	136	145	78.2	34.1
		150	25.1	24.6	10.0	17.4	18.3	27.1	22.7	23.9	26.3	26.2	29.6	28.1	50.2	26.7	13.7
		151	28.1	36.4	8.9	28.7	28.3	38.7	31.4	29.6	23.3	26.0	40.0	104	109	61.1	24.5
	TA3	152	40.6	47.2	10.4	30.6	27.8	70.3	39.8	49.7	29.2	31.1	58.9	116	100	69.9	26.1
		153	23.2	19.3	12.0	13.5	10.4	32.6	21.6	26.3	34.1	27.3	41.9	43.9	47.4	32.8	7.98
		154	23.7	20.6	19.2	23.3	28.3	25.6	20.9	21.4	19.4	17.0	25.0	31.7	29.1	26.1	6.1
		155	28.6	20.3	22.8	24.6	22.8	23.9	21.0	22.3	13.0	24.8	27.2	45.0	45.2	20.1	27.0
		156	21.0	22.2	28.3	24.0	24.0	43.7	30.9	21.4	17.5	23.4	31.8	47.1	51.5	26.6	21.6

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C15. Method Detection Limits (MDLs) for dioxin and furan compounds, pptr (pg/g) wet weight.

Dioxin/Furan	Rep 1	Rep 2	Rep 3	Rep 4	n	Mean	SD	MDL
2,3,7,8-TCDD	1.62	1.43		1.66	3	1.57	0.123	0.86
2,3,7,8-TCDF	0.64	1.10		1.28	3	1.01	0.330	2.30
1,2,3,7,8-P5CDD	6.32	6.80	5.35	6.74	4	6.30	0.670	3.04
1,2,3,7,8-P5CDF	3.10	4.74	28.7*	5.56	3	4.47	1.25	8.73
2,3,4,7,8-P5CDF	3.26	4.64	3.27	5.15	4	4.08	0.964	4.38
1,2,3,4,7,8-H6CDD	3.31	4.90	3.70	5.91	4	4.46	1.18	5.37
1,2,3,6,7,8-H6CDD	3.98	3.11	3.90	4.20	4	3.80	0.476	2.16
1,2,3,7,8,9-H6CDD	3.98	3.80	4.55	6.63	4	4.74	1.30	5.90
1,2,3,4,7,8-H6CDF	4.16	7.06	3.48	6.49	4	5.30	1.74	7.92
1,2,3,6,7,8-H6CDF	3.74	4.74	4.47	5.15	4	4.53	0.593	2.69
2,3,4,6,7,8-H6CDF	4.15	4.58	3.08	4.97	4	4.20	0.815	3.70
1,2,3,7,8,9-H6CDF	3.55	3.61	3.01	6.00	4	4.04	1.33	6.05
1,2,3,4,6,7,8-H7CDD	2.92	4.53	3.28	5.27	4	4.00	1.09	4.96
1,2,3,4,6,7,8-H7CDF	3.69	5.59	5.02	5.15	4	4.86	0.819	3.72
1,2,3,4,7,8,9-H7CDF	3.26	5.12	3.68	5.08	4	4.29	0.957	4.34
OCDD	36.5	43.9	18.8	65.6	4	41.2	19.4	88.0
OCDF	17.8	34.5	12.9	57.2	4	30.6	20.0	90.8
% Solids	19.7	18.6	19.1	19.0				

*Value not included in calculation.

Table C16. Method Detection Limits (MDLs) for dioxin and furan compounds, pptr (pg/g) dry weight.

Dioxin/Furan	Rep 1	Rep 2	Rep 3	Rep 4	n	Mean	SD	MDL
2,3,7,8-TCDD	8.24	7.69		8.73	3	8.22	0.52	3.64
2,3,7,8-TCDF	3.26	5.91		6.73	3	5.30	1.82	12.7
1,2,3,7,8-P5CDD	32.2	36.6	28.0	35.5	4	33.1	3.84	17.4
1,2,3,7,8-P5CDF	15.8	25.5	150*	29.2	3	23.5	6.95	48.4
2,3,4,7,8-P5CDF	16.6	24.9	17.1	27.1	4	21.4	5.36	24.4
1,2,3,4,7,8-H6CDD	16.8	26.3	19.4	31.1	4	23.4	6.50	29.5
1,2,3,6,7,8-H6CDD	20.3	16.7	20.4	22.1	4	19.9	2.26	10.3
1,2,3,7,8,9-H6CDD	20.3	20.4	23.8	34.9	4	24.8	6.89	31.3
1,2,3,4,7,8-H6CDF	21.2	38.0	18.2	34.1	4	27.9	9.64	43.8
1,2,3,6,7,8-H6CDF	19.0	25.5	23.4	27.1	4	23.8	3.49	15.8
2,3,4,6,7,8-H6CDF	21.1	24.6	16.1	26.1	4	22.0	4.44	20.2
1,2,3,7,8,9-H6CDF	18.1	19.4	15.8	31.6	4	21.2	7.07	32.1
1,2,3,4,6,7,8-H7CDD	14.9	24.4	17.2	27.7	4	21.0	6.02	27.3
1,2,3,4,6,7,8-H7CDF	18.8	30.1	26.3	27.1	4	25.6	4.80	21.8
1,2,3,4,7,8,9-H7CDF	16.6	27.5	19.3	26.7	4	22.5	5.43	24.7
OCDD	186	236	98.5	345	4	216	103	467
OCDF	90.6	185	67.6	301	4	161	106	482
% Solids	19.7	18.6	19.1	19.0				

*Value not included in calculation.

Table C17. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) wet weight, in composites.

Bluefish	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	BL1	101	0.57	0.17	5.83	0.44	0.86	3.13	1.13	1.28	NR	NR	NR	NR	0.46	0.28	2.20	0.44	1.09
		102	0.99	0.29	8.35	0.31	1.23	0.75	0.67	1.65	NR	NR	NR	NR	0.62	0.24	NR	4.47	1.20
		103	0.05	0.56	NR	0.28	0.17	0.93	NR	NR	NR	NR	NR	NR	0.81	0.23	1.70	0.61	2.30
		104	0.37	0.38	NR	0.15	1.51	1.91	2.33	2.63	1.39	1.84	1.92	0.14	0.58	0.19	0.74	0.50	1.65
		105	0.13	10.4	0.25	2.25	NR	NR	NR	NR	NR	NR	NR	NR	0.68	0.26	2.27	4.42	2.65
	BL2	106	0.78	1.19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		107	0.18	0.80	16.0	0.77	4.12	NR	NR	NR	NR	NR	NR	NR	0.85	0.55	1.13	1.35	4.8
			0.58	0.99	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.51	1.01	1.13	6.1	3.9
			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		108	NR	0.14	NR	0.52	0.24	0.12	0.16	0.38	NR	NR	NR	NR	0.08	0.27	0.26	1.65	0.71
		109	NR	0.27	NR	0.75	3.19	0.10	0.35	0.92	NR	NR	NR	NR	0.12	0.44	0.64	NR	NR
		110	0.20	0.03	NR	0.39	NR	NR	NR	NR	NR	NR	NR	NR	0.10	0.37	0.30	NR	NR
	BL3	111	0.08	0.15	0.80	0.58	0.15	1.21	0.63	0.77	0.80	NR	0.97	1.89	0.95	0.29	0.59	4.47	3.75
		112	0.41	0.21	1.52	0.80	0.35	1.02	0.89	0.56	1.23	NR	2.85	1.53	1.17	0.30	0.82	0.73	5.63
		113	1.60	0.07	2.72	0.80	0.27	NR	NR	NR	NR	NR	NR	NR	0.73	0.45	NR	1.69	8.75
		114	1.11	0.10	0.80	0.57	0.24	1.36	1.28	1.01	1.42	NR	2.02	2.96	0.91	0.26	1.15	10.7	7.37

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C17. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) wet weight, in composites (continued).

Fluke	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	FL1	115	0.01	0.01	0.04	0.02	0.01	0.14	0.01	0.01	0.01	0.01	0.01	0.02	0.04	NR	0.02	0.08	0.04
		116	0.14	0.07	0.05	0.04	0.07	0.14	0.18	0.18	0.02	0.21	0.03	0.04	0.41	0.23	0.20	0.10	1.02
	FL2	117	0.22	0.36	0.77	0.62	0.60	0.67	0.38	0.39	0.74	0.39	1.12	1.59	1.07	0.78	1.54	1.28	0.73
			0.30	0.29	0.62	0.25	0.20	0.73	0.87	1.05	0.55	0.37	1.02	0.73	0.31	0.18	0.51	10.63	9.93
			0.02	0.32	0.29	0.06	0.38	0.29	0.28	0.28	0.30	0.27	0.20	0.40	0.23	0.12	0.17	0.17	1.46
		118	0.17	0.11	0.62	0.07	0.15	0.58	0.33	0.34	0.04	0.06	0.05	0.06	0.56	0.43	0.92	0.29	0.02
	FL3	119	0.03	0.15	0.30	0.06	0.25	0.34	1.10	1.12	0.47	0.54	0.65	0.85	0.84	0.77	0.35	1.69	0.55
		120	0.43	0.17	0.20	0.09	0.37	0.38	0.52	0.52	0.11	0.34	0.10	0.45	0.08	0.89	0.34	0.30	0.22
		121	1.13	1.00	1.03	1.24	0.76	0.77	1.10	1.11	0.94	0.78	0.73	1.24	1.86	0.77	1.47	0.18	1.84
	FL4	122	0.38	0.47	1.19	0.78	1.07	1.12	1.61	1.63	1.25	0.88	0.59	1.09	1.19	0.41	0.63	2.26	1.89
		123	0.60	0.54	1.13	0.19	0.69	0.59	0.72	0.73	0.59	1.29	0.69	0.77	1.79	0.57	0.66	5.15	3.40
		124	0.62	0.36	1.07	0.43	0.70	0.57	1.00	1.01	0.75	1.05	0.90	0.73	1.16	0.71	1.00	0.23	1.31
	FL5	125	0.24	0.25	0.55	0.03	0.20	0.45	0.30	0.30	0.35	0.35	0.37	0.34	0.36	0.38	0.38	0.12	0.58
		126	0.47	0.42	0.75	0.34	0.09	0.99	0.69	0.83	1.80	0.79	1.31	1.19	1.31	1.42	0.89	7.48	8.60
	FL6	127	0.27	0.23	0.25	0.19	0.18	0.40	0.40	0.40	0.33	0.29	0.39	0.35	0.50	0.41	0.34	1.09	0.85
		128	0.11	0.12	0.26	0.02	0.12	0.18	0.18	0.18	0.17	0.14	0.22	0.17	0.25	0.24	0.34	0.43	0.53

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C17. Estimated Detection Limits (EDLs) for dioxin anf furan compounds, pptr (pg/g) wet weight, in composites (continued).

Sea bass	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	SB1	129	0.26	0.33	0.77	0.05	0.27	0.66	0.64	0.64	0.52	0.74	0.53	0.92	0.74	1.06	0.93	1.94	1.20
		130	0.36	0.26	0.73	0.07	0.46	0.35	0.51	0.52	0.61	0.52	0.62	1.07	0.59	0.40	0.55	2.28	1.85
		131	0.25	0.27	0.69	0.06	0.42	0.34	0.38	0.38	0.42	0.42	0.48	0.63	0.09	0.34	0.65	0.18	1.00
		132	0.22	0.20	0.54	0.04	0.39	0.46	0.48	0.49	0.29	0.25	0.38	0.77	0.06	0.37	0.28	0.21	0.46
	SB2	133	0.30	0.19	0.49	0.06	0.29	0.70	0.57	0.58	0.31	0.44	0.36	0.52	0.54	0.37	0.68	3.86	2.56
		134	0.30	0.52	0.44	0.08	0.49	0.35	0.56	0.57	0.45	0.62	0.84	0.56	1.07	0.39	0.51	3.20	1.71
		135	0.47	0.19	1.56	0.07	0.48	NR	NR	NR	NR	NR	NR	NR	0.42	0.09	0.82	2.88	2.16
		136	0.41	0.91	0.004	0.10	1.08	0.55	0.69	0.70	15.1	NR	NR	NR	0.65	0.09	0.39	0.51	0.39
		137	0.19	0.76	0.64	0.10	0.71	0.85	0.58	0.59	0.64	0.59	1.02	1.25	0.75	0.72	0.74	1.97	1.47
	SB3	138	0.30	0.40	0.74	0.09	0.44	0.77	0.53	0.53	0.53	0.52	0.64	1.31	0.47	0.51	0.72	1.90	1.43
		139	0.26	0.40	0.69	0.05	0.25	0.58	0.59	0.59	0.38	0.46	0.41	0.57	0.22	0.31	1.07	1.17	0.87
		140	0.34	0.82	2.27	0.06	0.42	0.49	1.34	1.36	1.05	1.28	1.27	1.02	0.75	0.35	0.75	2.65	1.89
		141	0.28	0.49	1.26	0.07	0.24	0.32	0.59	0.59	0.41	0.58	1.02	1.51	0.26	0.50	0.46	1.77	1.64
		142	0.32	0.60	1.90	0.11	0.64	0.57	0.56	0.57	0.34	2.44	0.62	0.76	0.44	0.10	0.83	2.78	2.26

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C17. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) wet weight, in composites (continued).

Tautog	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	TA1	143	0.06	0.01	0.08	0.04	0.04	0.23	0.63	0.64	0.05	0.05	0.18	0.06	0.004	0.01	0.06	0.03	0.02
		144	0.03	0.03	0.04	0.02	0.002	0.10	0.04	0.05	0.02	0.02	0.01	0.01	0.02	0.004	0.06	0.04	0.02
		145	0.11	0.002	0.03	0.02	0.01	0.04	0.03	0.03	0.01	0.02	0.01	0.05	0.08	0.01	0.08	0.01	0.02
		146	0.08	0.01	0.14	0.04	0.10	0.26	0.25	0.26	0.04	0.05	0.21	0.14	0.08	0.02	0.13	0.03	0.03
			0.01	0.04	0.03	0.01	0.01	0.00	0.00	0.01	0.03	0.03	0.02	0.13	0.01	0.03	0.06	0.02	0.01
			0.22	0.36	0.80	0.02	0.21	0.63	0.65	0.70	1.13	0.82	1.17	0.51	0.01	0.08	0.07	0.45	0.29
		147	0.04	0.03	0.84	0.05	0.26	0.13	0.17	0.21	0.08	0.04	0.09	0.04	0.15	0.06	0.79	2.19	1.91
	TA2	148	0.04	0.04	1.02	NR	0.39	0.04	0.04	0.09	0.06	0.07	0.45	0.08	0.01	0.10	0.09	0.67	0.33
		149	0.07	0.03	1.44	0.09	0.48	0.83	0.84	1.03	1.20	1.08	1.29	1.19	0.30	0.08	1.12	6.80	5.41
		150	0.15	0.05	1.12	0.08	0.33	NR	0.10	0.13	0.06	0.04	0.10	0.14	1.20	0.37	0.10	1.26	3.10
		151	0.64	0.05	2.27	0.06	0.06	0.67	0.45	0.55	0.88	1.01	1.82	1.30	0.44	0.09	1.06	1.39	0.81
	TA3	152	0.06	0.04	0.50	0.09	0.72	1.15	0.97	1.18	1.46	1.55	2.90	1.87	0.93	0.22	1.68	2.65	6.46
		153	0.44	0.39	0.75	0.13	0.68	0.85	1.07	1.30	0.88	0.58	1.41	1.22	1.03	1.18	2.42	NR	NR
		154	0.50	0.07	0.93	0.07	0.24	0.58	0.63	0.76	0	0.68	1.26	1.01	0.85	0.42	0.90	NR	NR
		155	0.07	0.08	0.77	0.07	0.40	NR	0.72	0.88	0.47	0.77	0.45	0.82	0.54	0.14	1.16	0.50	2.35
		156	0.08	0.06	0.54	0.05	0.05	0.48	0.58	0.71	1.04	1.22	1.10	1.16	0.45	0.15	0.87	4.51	2.77

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C18. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) dry weight, in composites.

Bluefish	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	BL1	101	1.95	0.60	20.1	1.50	2.95	10.8	3.90	4.40	NR	NR	NR	NR	1.58	0.98	7.57	1.51	3.77
		102	3.79	1.13	32.1	1.21	4.72	2.88	2.57	6.35	NR	NR	NR	NR	2.38	0.93	NR	17.2	4.61
		103	0.21	2.25	NR	1.13	0.67	3.70	NR	NR	NR	NR	NR	NR	3.23	0.92	6.78	2.43	9.20
		104	1.47	1.51	NR	0.58	6.03	7.62	9.30	10.5	5.57	7.34	7.67	0.56	2.32	0.75	2.97	2.00	6.58
		105	0.50	39.9	0.95	8.66	NR	NR	NR	NR	NR	NR	NR	NR	2.63	0.99	8.74	17.0	10.2
	BL2	106	3.00	4.59	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		107	0.57	2.58	51.5	2.49	13.3	NR	NR	NR	NR	NR	NR	NR	2.73	1.77	3.66	4.36	15.5
			1.87	3.20	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	1.65	3.25	3.65	19.8	12.6
			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
		108	NR	0.45	NR	1.67	0.79	0.38	0.53	1.23	NR	NR	NR	NR	0.25	0.87	0.84	5.33	2.30
		109	NR	0.93	NR	2.60	11.0	0.33	1.21	3.18	NR	NR	NR	NR	0.42	1.51	2.20	NR	NR
		110	0.68	0.11	NR	1.29	NR	NR	NR	NR	NR	NR	NR	NR	0.33	1.22	1.00	NR	NR
	BL3	111	0.26	0.50	2.65	1.92	0.51	4.03	2.11	2.56	2.67	NR	3.24	6.31	3.16	0.98	1.98	14.9	12.5
		112	1.43	0.71	5.25	2.76	1.20	3.50	3.06	1.92	4.24	NR	9.83	5.28	4.05	1.05	2.82	2.52	19.4
		113	4.84	0.20	8.23	2.41	0.82	NR	NR	NR	NR	NR	NR	NR	2.20	1.36	NR	5.12	26.5
		114	3.83	0.35	2.76	1.98	0.83	4.68	4.40	3.49	4.90	NR	6.98	10.2	3.14	0.88	3.96	37.0	25.4

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C18. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) dry weight, in composites (continued).

Fluke	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	FL1	115	0.07	0.04	0.18	0.11	0.07	0.65	0.07	0.06	0.05	0.05	0.06	0.09	0.18	NR	0.08	0.39	0.20
		116	0.65	0.30	0.22	0.20	0.33	0.62	0.81	0.81	0.11	0.96	0.14	0.16	1.85	1.04	0.89	0.44	4.64
	FL2	117	1.09	1.80	3.87	3.08	3.00	3.35	1.91	1.95	3.69	1.94	5.61	7.94	5.37	3.89	7.68	6.40	3.65
			1.41	1.38	2.95	1.20	0.95	3.48	4.14	5.02	2.64	1.77	4.86	3.49	1.46	0.84	2.41	50.6	47.3
			0.10	1.59	1.46	0.28	1.89	1.44	1.40	1.42	1.51	1.34	0.98	1.99	1.13	0.60	0.87	0.86	7.28
		118	0.75	0.51	2.81	0.32	0.70	2.65	1.51	1.53	0.17	0.28	0.21	0.29	2.53	1.94	4.19	1.34	0.10
	FL3	119	0.15	0.71	1.45	0.29	1.20	1.64	5.26	5.32	2.26	2.59	3.09	4.05	3.98	3.68	1.69	8.04	2.62
		120	2.14	0.86	0.99	0.44	1.86	1.90	2.58	2.61	0.56	1.72	0.50	2.27	0.39	4.44	1.70	1.48	1.09
		121	5.67	4.99	5.17	6.22	3.78	3.86	5.48	5.55	4.71	3.92	3.67	6.19	9.28	3.87	7.36	0.88	9.19
	FL4	122	1.92	2.36	5.94	3.88	5.33	5.61	8.03	8.14	6.26	4.40	2.95	5.43	5.95	2.05	3.15	11.3	9.43
		123	2.86	2.59	5.39	0.91	3.29	2.82	3.42	3.47	2.81	6.16	3.27	3.68	8.54	2.71	3.16	24.5	16.2
		124	2.96	1.73	5.08	2.04	3.34	2.70	4.75	4.81	3.58	5.02	4.29	3.47	5.53	3.38	4.77	1.10	6.25
	FL5	125	1.11	1.12	2.50	0.15	0.91	2.03	1.35	1.37	1.59	1.59	1.70	1.56	1.63	1.74	1.74	0.54	2.63
		126	2.34	2.11	3.74	1.71	0.43	4.96	3.44	4.17	9.00	3.96	6.53	5.95	6.54	7.08	4.43	37.4	43.0
	FL6	127	1.22	1.05	1.14	0.87	0.83	1.80	1.82	1.84	1.51	1.32	1.75	1.58	2.25	1.85	1.54	4.94	3.85
		128	0.53	0.62	1.28	0.09	0.59	0.91	0.88	0.89	0.83	0.69	1.08	0.87	1.24	1.18	1.70	2.17	2.65

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C18. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) dry weight, in composites (continued).

Sea bass	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	SB1	129	1.43	1.84	4.28	0.25	1.52	3.64	3.53	3.58	2.89	4.09	2.94	5.10	4.10	5.91	5.15	10.8	6.64
		130	1.89	1.38	3.86	0.36	2.41	1.85	2.69	2.72	3.19	2.73	3.26	5.61	3.12	2.11	2.90	12.0	9.72
		131	1.21	1.28	3.30	0.29	2.00	1.61	1.81	1.83	1.99	2.00	2.27	3.00	0.45	1.64	3.08	0.85	4.77
		132	1.20	1.09	3.01	0.20	2.17	2.57	2.67	2.70	1.63	1.38	2.10	4.25	0.35	2.05	1.57	1.15	2.56
	SB2	133	1.51	0.93	2.45	0.30	1.45	3.49	2.86	2.89	1.57	2.19	1.78	2.61	2.70	1.84	3.40	19.3	12.8
		134	1.49	2.61	2.18	0.40	2.45	1.77	2.82	2.86	2.23	3.12	4.21	2.82	5.33	1.97	2.57	16.0	8.53
		135	2.25	0.92	7.43	0.32	2.28	NR	NR	NR	NR	NR	NR	NR	1.98	0.43	3.92	13.7	10.3
		136	1.96	4.35	0.02	0.46	5.16	2.64	3.29	3.34	72.0	NR	NR	NR	3.10	0.45	1.84	2.41	1.88
		137	0.90	3.60	3.06	0.46	3.36	4.05	2.77	2.80	3.05	2.79	4.84	5.96	3.59	3.44	3.52	9.39	7.01
	SB3	138	1.42	1.90	3.52	0.41	2.10	3.66	2.50	2.53	2.54	2.48	3.05	6.24	2.23	2.44	3.45	9.07	6.80
		139	1.26	1.92	3.27	0.22	1.19	2.77	2.79	2.83	1.82	2.18	1.95	2.70	1.06	1.48	5.09	5.59	4.16
		140	1.63	3.91	10.8	0.27	1.99	2.33	6.39	6.48	4.99	6.10	6.03	4.85	3.56	1.68	3.56	12.6	8.98
		141	1.39	2.47	6.30	0.34	1.19	1.62	2.93	2.97	2.07	2.89	5.10	7.53	1.32	2.48	2.28	8.84	8.19
		142	1.62	2.99	9.52	0.53	3.19	2.83	2.79	2.83	1.68	12.2	3.10	3.79	2.22	0.52	4.15	13.9	11.3

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C18. Estimated Detection Limits (EDLs) for dioxin and furan compounds, pptr (pg/g) dry weight, in composites (continued).

Tautog	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF
	TA1	143	0.28	0.05	0.38	0.18	0.20	1.10	3.01	3.05	0.26	0.24	0.84	0.27	0.02	0.04	0.27	0.16	0.11
		144	0.15	0.14	0.18	0.08	0.01	0.44	0.20	0.21	0.10	0.10	0.04	0.06	0.09	0.02	0.28	0.18	0.09
		145	0.52	0.01	0.12	0.07	0.04	0.20	0.12	0.13	0.05	0.08	0.05	0.22	0.36	0.03	0.35	0.03	0.09
		146	0.40	0.04	0.66	0.19	0.49	1.23	1.18	1.26	0.17	0.23	0.98	0.68	0.39	0.08	0.64	0.16	0.14
			0.06	0.17	0.13	0.06	0.05	0.01	0.01	0.05	0.12	0.14	0.07	0.56	0.04	0.11	0.26	0.08	0.05
			1.01	1.62	3.64	0.10	0.95	2.87	2.95	3.18	5.12	3.73	5.30	2.34	0.04	0.36	0.32	2.03	1.30
		147	0.18	0.14	3.66	0.21	1.15	0.57	0.74	0.91	0.36	0.19	0.39	0.18	0.66	0.27	3.44	9.50	8.32
	TA2	148	0.17	0.19	4.65	NR	1.77	0.16	0.17	0.42	0.25	0.30	2.06	0.38	0.05	0.46	0.43	3.05	1.52
		149	0.32	0.15	6.53	0.39	2.19	3.75	3.84	4.66	5.47	4.91	5.88	5.40	1.37	0.38	5.11	30.9	24.6
		150	0.75	0.27	5.58	0.39	1.64	NR	0.48	0.64	0.32	0.20	0.52	0.71	5.98	1.85	0.51	6.31	15.5
		151	3.07	0.23	10.8	0.29	0.30	3.17	2.15	2.60	4.21	4.79	8.65	6.21	2.08	0.44	5.05	6.62	3.85
	TA3	152	0.27	0.19	2.19	0.37	3.13	5.00	4.22	5.12	6.35	6.74	12.6	8.13	4.05	0.96	7.30	11.5	28.1
		153	2.18	1.97	3.76	0.67	3.40	4.26	5.35	6.49	4.40	2.92	7.03	6.11	5.15	5.91	12.1	NR	NR
		154	2.37	0.34	4.41	0.31	1.16	2.74	2.99	3.62	0	3.24	5.99	4.80	4.06	2.01	4.28	NR	NR
		155	0.32	0.38	3.67	0.35	1.92	NR	3.45	4.18	2.26	3.65	2.13	3.91	2.58	0.65	5.54	2.39	11.2
		156	0.35	0.27	2.45	0.24	0.24	2.18	2.65	3.21	4.71	5.53	5.02	5.26	2.04	0.69	3.97	20.5	12.6

NR = No result or no estimated detection limit (EDL) is reported, the associated internal standard was not recovered.

Table C19. Concentrations of dioxin and furan compounds, pptr (pg/g) wet weight, in composites.

	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
Bluefish																				
	BL1	101	U	U	U	U	U	U	U	U	U	U	U	U	U	15.4[a]	U	12.6[a]	U	0.58
		102	U	U	U	U	U	U	U	U	U	U	U	U	U	10.3[a]	U	U	U	0.40
		103	U	U	U	U	1.87[a]	U	U	U	U	U	U	U	U	13.9[a]	U	8.02	U	4.32
		104	U	U	U	U	U	U	U	U	U	U	U	U	U	15.7[a]	U	17.4[a]	U	0.70
		105	U	U	U	U	U	U	U	U	U	U	U	U	U	15.1[a]	U	U	U	5.16
	BL2	106	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		107	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	40.0[a]	U	0.13
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	?
		108	U	U	U	U	U	U	U	U	U	U	U	U	U	35.3[a]	U	22.7	U	2.22
		109	U	U	U	155[a]	U	U	U	U	U	U	U	U	U	40.0[a]	U	U	U	28.1
		110	U	0.630[a]	U	U	U	U	U	U	U	U	U	U	U	53.7[a]	18.2[a]	U	U	2.61
	BL3	111	U	8.34	U	U	9.48	U	U	20.3[a]	100	U	U	U	U	15.1	U	U	U	59.2
		112	U	5.05[a]	U	U	5.45[a]	U	U	U	98.9	U	U	U	U	30.4[a]	U	58.0[a]	U	46.5
		113	U	U	U	U	5.51[a]	U	U	U	U	U	U	U	U	74.2[a]	U	71.6[a]	U	10.8
		114	U	3.65[a]	U	U	3.22[a]	U	U	U	61.2	U	U	U	U	23.0[a]	U	U	U	28.7
		MDL	0.86	2.30	3.04	8.73	4.38	5.37	2.16	5.90	7.92	2.69	3.70	6.05	4.96	3.72	4.34	88.0	90.8	

MDL = method detection limit (see Table 15).

U = not detected at the associated estimated detection limit (EDL) (see Table C17).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C19. Concentrations of dioxin and furan compounds, pptr (pg/g) wet weight, in composites (continued).

Fluke	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
	FL1	115	U	U	U	0.830	U	U	U	U	U	U	U	U	0.689	U	U	2.50	U	0.24
		116	U	U	U	1.72[a]	U	U	U	U	U	U	U	U	U	U	U	1.42	U	0.40
	FL2	117	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
			U	U	U	U	U	U	U	U	U	U	U	U	2.05	2.08	U	U	U	0.20
			U	U	U	1.21	U	U	U	U	U	U	U	U	U	U	U	3.20[a]	U	0.32
		118	U	U	U	2.05	U	U	U	U	U	U	U	U	U	U	U	5.28	1.19[a]	0.50
	FL3	119	U	U	U	1.43[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	0.34
		120	U	U	U	6.96	U	U	U	U	U	2.0[a]	U	U	5.34	U	U	27.6	3.52[a]	3.16
		121	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	9.32	U	0.05
	FL4	122	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		123	U	U	U	3.63[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	0.87
		124	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	5.92	U	0.03
	FL5	125	U	U	U	3.01	U	U	U	U	U	U	U	U	U	U	U	3.52	U	0.70
		126	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	FL6	127	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		128	U	U	U	0.972	U	U	U	U	U	U	U	U	U	U	U	U	U	0.24
		MDL	0.86	2.30	3.04	8.73	4.38	5.37	2.16	5.90	7.92	2.69	3.70	6.05	4.96	3.72	4.34	88.0	90.8	

MDL = method detection limit (see Table 15).

U = not detected at the associated estimated detection limit (EDL) (see Table 17).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C19. Concentrations of dioxin and furan compounds, pptr (pg/g) wet weight, in composites (continued).

Sea bass	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
	SB1	129	U	U	U	13.8	U	U	U	U	U	U	U	U	U	U	U	U	U	3.84
		130	U	U	U	4.52	U	U	U	U	U	U	U	U	U	U	U	U	U	1.19
		131	U	U	U	8.78	U	U	U	U	U	U	U	U	3.49[a]	U	U	15.5	U	2.33
		132	U	U	U	2.14[a]	U	U	U	U	U	U	U	U	1.89[a]	U	U	10.9	U	0.76
	SB2	133	U	U	U	10.6	U	U	U	U	U	U	U	U	U	U	U	U	U	2.64
		134	U	U	U	5.90	U	U	U	U	U	U	U	U	U	U	U	U	U	1.48
		135	U	U	U	19.1	U	U	U	U	U	U	U	U	U	1.66	U	U	U	4.54
		136	U	U	U	33.8[a]	U	U	U	U	U	U	U	U	U	2.67[a]	U	U	U	8.17
		137	U	U	U	11.7	U	U	U	U	U	U	U	U	U	U	U	U	U	2.79
	SB3	138	U	U	U	15.1	U	U	U	U	U	U	U	U	U	U	U	U	U	3.61
		139	U	U	U	16.6	U	U	U	U	U	U	U	U	U	U	U	U	U	3.96
		140	U	U	U	19.2	U	U	U	U	U	U	U	U	U	U	U	U	U	4.56
		141	U	U	U	16.3	U	U	U	U	U	U	U	U	U	U	U	U	U	4.08
		142	U	U	U	30.6	U	U	U	U	U	U	U	U	U	3.08[a]	U	U	U	7.80
		MDL	0.86	2.30	3.04	8.73	4.38	5.37	2.16	5.90	7.92	2.69	3.70	6.05	4.96	3.72	4.34	88.0	90.8	

MDL = method detection limit (see Table C15).

U = not detected at the associated estimated detection limit (EDL) (see Table C17).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C19. Concentrations of dioxin and furan comounds, pptr (pg/g) wet weight, in composites (continued).

Tautog	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
	TA1	143	U	0.441	U	4.91	U	U	U	U	U	U	U	U	U	U	U	U	U	1.38
		144	U	U	U	2.01[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	0.98
		145	U	0.130[a]	U	2.20	U	U	U	U	U	U	U	U	U	U	U	0.541	U	0.56
		146	U	0.336	U	9.74	U	U	U	U	U	U	U	U	U	U	U	2.75[a]	U	2.50
			0.336	U	0.676[a]	8.83[a]	0.807	0.136[a]	.179[a]	.092[a]	U	U	0.396	U	0.161[a]	U	U	0.612	0.189	6.96
			U	U	U	11.3[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	2.56
		147	U	1.06	U	U	U	U	U	U	U	U	U	U	U	0.681	U	U	U	0.49
	TA2	148	U	0.862	U	U	U	U	U	U	U	U	U	U	U	U	U	19.1[a]	6.12[a]	0.51
		149	U	1.03	U	U	U	U	U	U	U	U	U	U	U	1.14	U	U	U	0.52
		150	U	0.562	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.28
		151	U	1.26	U	U	U	U	U	U	U	U	U	U	U	2.33[a]	U	51.4[a]	15.2[a]	1.03
	TA3	152	1.96	1.51[a]	U	U	U	U	U	U	U	U	U	U	U	3.50	U	73.4[a]	U	9.64
		153	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		154	U	1.55[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.74
		155	1.11	2.33	U	U	U	U	U	U	U	U	U	U	U	1.83	U	9.60[a]	U	6.55
		156	2.13	1.46	U	U	U	U	U	U	U	U	U	U	U	1.48	U	U	U	10.4
		MDL	0.86	2.30	3.04	8.73	4.38	5.37	2.16	5.90	7.92	2.69	3.70	6.05	4.96	3.72	4.34	88.0	90.8	

MDL = method detection limit (see Table C15).

U = not detected at the associated estimated detection limit (EDL) (see Table C17).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C20. Concentrations of dioxin and furan compounds, pptr (pg/g) dry weight, in composites.

	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
Bluefish																				
	BL1	101	U	U	U	U	U	U	U	U	U	U	U	U	U	53.3[a]	U	43.4[a]	U	0.58
		102	U	U	U	U	U	U	U	U	U	U	U	U	U	39.7[a]	U	U	U	0.40
		103	U	U	U	U	7.47[a]	U	U	U	U	U	U	U	U	55.5[a]	U	32	U	4.32
		104	U	U	U	U	U	U	U	U	U	U	U	U	U	62.7[a]	U	69.5[a]	U	0.70
		105	U	U	U	U	U	U	U	U	U	U	U	U	U	58.1[a]	U	U	U	5.16
	BL2	106	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		107	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	129[a]	U	0.13
			U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
			NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	?
		108	U	U	U	U	U	U	U	U	U	U	U	U	U	114[a]	U	73.3	U	2.22
		109	U	U	U	534[a]	U	U	U	U	U	U	U	U	U	138[a]	U	U	U	28.1
		110	U	2.1[a]	U	U	U	U	U	U	U	U	U	U	U	179[a]	60.7[a]	U	U	2.61
	BL3	111	U	27.8	U	U	31.6	U	U	67.8[a]	334	U	U	U	U	50.4	U	U	U	59.2
		112	U	17.4[a]	U	U	18.8[a]	U	U	U	341	U	U	U	U	105[a]	U	200[a]	U	46.5
		113	U	U	U	U	16.7[a]	U	U	U	U	U	U	U	U	225[a]	U	217[a]	U	10.8
		114	U	12.6[a]	U	U	11.1[a]	U	U	U	211	U	U	U	U	79.4	U	U	U	28.7
		MDL	3.64	12.7	17.4	48.4	24.4	29.5	10.3	31.3	43.8	15.8	20.2	32.1	27.3	21.8	24.7	467	482	

MDL = method detection limit (see Table C16).

U = not detected at the associated estimated detection limit (EDL) (see Table C18).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C20. Concentrations of dioxin and furan compounds, pptr (pg/g) dry weight, in composites (continued).

Fluke	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
	FL1	115	U	U	U	3.95[a]	U	U	U	U	U	U	U	U	3.28[a]	U	U	11.9	U	0.24
		116	U	U	U	7.80[a]	U	U	U	U	U	U	U	U	U	U	U	6.43	U	0.40
	FL2	117	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
			U	U	U	U	U	U	U	U	U	U	U	U	9.75	9.91	U	U	U	0.20
			U	U	U	6.06	U	U	U	U	U	U	U	U	U	U	U	16.0[a]	U	0.32
		118	U	U	U	9.33	U	U	U	U	U	U	U	U	U	U	U	24.0	5.41[a]	0.50
	FL3	119	U	U	U	6.82[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	0.34
		120	U	U	U	34.8	U	U	U	U	U	10.0[a]	U	U	26.7	U	U	138	17.6[a]	3.16
		121	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	46.6	U	0.05
	FL4	122	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		123	U	U	U	17.3[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	0.87
		124	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	28.2	U	0.03
	FL5	125	U	U	U	13.7	U	U	U	U	U	U	U	U	U	U	U	16.0	U	0.70
		126	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
	FL6	127	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		128	U	U	U	4.86	U	U	U	U	U	U	U	U	U	U	U	U	U	0.24
		MDL	3.64	12.7	17.4	48.4	24.4	29.5	10.3	31.3	43.8	15.8	20.2	32.1	27.3	21.8	24.7	467	482	

MDL = method detection limit (see Table C16).

U = not detected at the associated estimated detection limit (EDL) (see Table C18).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C20. Concentrations of dioxin and furan compunds, pptr (pg/g) dry weight, in composites (continued).

	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
Sea bass																				
	SB1	129	U	U	U	76.7	U	U	U	U	U	U	U	U	U	U	U	U	U	3.84
		130	U	U	U	23.8	U	U	U	U	U	U	U	U	U	U	U	U	U	1.19
		131	U	U	U	41.8	U	U	U	U	U	U	U	U	16.6[a]	U	U	73.7	U	2.33
		132	U	U	U	11.9[a]	U	U	U	U	U	U	U	U	10.5[a]	U	U	60.6	U	0.76
	SB2	133	U	U	U	52.8	U	U	U	U	U	U	U	U	U	U	U	U	U	2.64
		134	U	U	U	29.5	U	U	U	U	U	U	U	U	U	U	U	U	U	1.48
		135	U	U	U	90.8	U	U	U	U	U	U	U	U	U	7.92	U	U	U	4.54
		136	U	U	U	161[a]	U	U	U	U	U	U	U	U	U	12.7[a]	U	U	U	8.17
		137	U	U	U	55.8	U	U	U	U	U	U	U	U	U	U	U	U	U	2.79
	SB3	138	U	U	U	72.1	U	U	U	U	U	U	U	U	U	U	U	U	U	3.61
		139	U	U	U	79.1	U	U	U	U	U	U	U	U	U	U	U	U	U	3.96
		140	U	U	U	91.2	U	U	U	U	U	U	U	U	U	U	U	U	U	4.56
		141	U	U	U	81.7	U	U	U	U	U	U	U	U	U	U	U	U	U	4.08
		142	U	U	U	153	U	U	U	U	U	U	U	U	U	15.4[a]	U	U	U	7.80
		MDL	3.64	12.7	17.4	48.4	24.4	29.5	10.3	31.3	43.8	15.8	20.2	32.1	27.3	21.8	24.7	467	482	

MDL = method detection limit (see Table C16).

U = not detected at the associated estimated detection limit (EDL) (see Table C18).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C20. Concentrations of dioxin and furan compunds, pptr (pg/g) dry weight, in composites (continued).

Tautog	Station	Composite Sample #	2,3,7,8-TCDD	2,3,7,8-TCDF	1,2,3,7,8-P5CDD	1,2,3,7,8-P5CDF	2,3,4,7,8-P5CDF	1,2,3,4,7,8-H6CDD	1,2,3,6,7,8-H6CDD	1,2,3,7,8,9-H6CDD	1,2,3,4,7,8-H6CDF	1,2,3,6,7,8-H6CDF	2,3,4,6,7,8-H6CDF	1,2,3,7,8,9-H6CDF	1,2,3,4,6,7,8-H7CDD	1,2,3,4,6,7,8-H7CDF	1,2,3,4,7,8,9-H7CDF	OCDD	OCDF	TE[b]
	TA1	143	U	2.10	U	23.4	U	U	U	U	U	U	U	U	U	U	U	U	U	1.38
		144	U	U	U	9.12	U	U	U	U	U	U	U	U	U	U	U	U	U	0.98
		145	U	0.59[a]	U	10.0	U	U	U	U	U	U	U	U	U	U	U	2.46[a]	U	0.56
		146	U	1.60	U	46.4	U	U	U	U	U	U	U	U	U	U	U	13.1[a]	U	2.50
			1.46	U	2.94[a]	38.4[a]	3.51	0.59[a]	0.78[a]	0.40[a]	U	U	1.72	U	0.70[a]	U	U	2.66[a]	0.82	6.96
			U	U	U	51.2[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	2.56
		147	U	4.60	U	U	U	U	U	U	U	U	U	U	U	2.96	U	U	U	0.49
	TA2	148	U	3.92	U	U	U	U	U	U	U	U	U	U	U	U	U	86.8[a]	27.8[a]	0.51
		149	U	4.66	U	U	U	U	U	U	U	U	U	U	U	5.20	U	U	U	0.52
		150	U	2.81	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.28
		151	U	6.01	U	U	U	U	U	U	U	U	U	U	U	11.1[a]	U	245[a]	72.5[a]	1.03
	TA3	152	8.52	6.56[a]	U	U	U	U	U	U	U	U	U	U	U	15.2	U	319[a]	U	9.64
		153	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
		154	U	7.37[a]	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	0.74
		155	5.30	11.1	U	U	U	U	U	U	U	U	U	U	U	8.72	U	45.7[a]	U	6.55
		156	9.68	6.62	U	U	U	U	U	U	U	U	U	U	U	6.74	U	U	U	10.4
		MDL	3.64	12.7	17.4	48.4	24.4	29.5	10.3	31.3	43.8	15.8	20.2	32.1	27.3	21.8	24.7	467	482	

MDL = method detection limit (see Table C16).

U = not detected at the associated estimated detection limit (EDL) (see Table C18).

NR = no result or no EDL is reported, the internal standard was not recovered.

[a]EMPC = estimated maximum potential concentration.

[b]TE = toxic equivalent.

Table C21. Instrumental Detection Limit and Estimated Method Detection Limit for PCBs, ppb.

	BZ #8 (2Cl)	BZ #18 (3Cl)	BZ #28 (3Cl)	BZ #52 (4Cl)	BZ #66 (4Cl)	BZ #101 (5Cl)	BZ #77 (4Cl)	BZ #118 (5Cl)	BZ #153 (6Cl)	BZ #105 (5Cl)	BZ #138 (6Cl)	BZ #126 (5Cl)	BZ #187 (7Cl)	BZ #128 (6Cl)	BZ #180 (7Cl)	BZ #170 (7Cl)	BZ #195 (8Cl)	BZ #206 (9Cl)	BZ #209 (10Cl)
Instrumental Detection Limit (IDL)																			
Replicate 1	42.1	42.5	41.7	45.0	43.8	43.7	40.3	42.5	43.8	42.6	43.6	50.1	44.1	43.5	43.9	43.8	44.8	45.3	45.7
Replicate 2	43.4	43.0	41.0	43.5	43.6	44.2	39.4	42.4	43.3	41.4	43.0	51.0	43.4	42.2	42.5	42.5	43.5	43.7	44.4
Replicate 3	40.3	40.4	40.5	43.2	43.2	43.4	38.4	41.6	43.7	41.5	43.2	47.4	44.0	42.9	43.4	43.2	44.4	44.8	45.1
Replicate 4	40.9	41.0	40.6	43.4	43.8	43.8	40.0	42.3	43.7	42.0	43.2	49.0	43.7	43.1	43.3	43.1	44.1	44.5	44.7
Replicate 5	39.7	40.6	40.7	43.7	46.4	43.6	41.0	42.8	44.1	43.0	44.0	50.1	44.4	43.6	44.1	44.1	45.2	45.7	46.0
Replicate 6	39.2	39.8	39.9	42.6	44.2	43.7	41.1	42.8	44.0	43.1	43.6	48.4	43.8	43.4	43.9	43.8	44.7	45.0	45.1
Replicate 7	38.7	39.8	40.1	43.1	44.6	43.8	41.6	43.3	44.6	43.9	44.4	50.0	44.5	44.3	44.7	44.6	45.6	45.8	45.9
Mean	40.6	41.0	40.6	43.5	44.2	43.7	40.3	42.5	43.9	42.5	43.6	49.4	44.0	43.3	43.7	43.6	44.6	45.0	45.3
SD	1.67	1.27	0.594	0.748	1.05	0.244	1.10	0.528	0.406	0.917	0.496	1.23	0.389	0.652	0.699	0.701	0.696	0.730	0.613
% CV	4.101	3.09	1.46	1.72	2.38	0.558	2.74	1.24	0.925	2.16	1.14	2.49	0.885	1.51	1.60	1.61	1.56	1.62	1.35
IDL (pg/uL)	5.24	3.99	1.87	2.35	3.31	0.767	3.47	1.66	1.28	2.88	1.56	3.86	1.22	2.05	2.20	2.20	2.19	2.29	1.93
Estimated Method Detection Limit (EMDL)																			
Replicate 1	5.26	5.31	5.21	5.63	5.48	5.46	5.04	5.31	5.48	5.33	5.45	6.26	5.51	5.44	5.49	5.48	5.60	5.66	5.71
Replicate 2	5.43	5.38	5.13	5.44	5.45	5.53	4.93	5.30	5.41	5.18	5.38	6.38	5.43	5.28	5.31	5.31	5.44	5.46	5.55
Replicate 3	5.04	5.05	5.06	5.40	5.40	5.43	4.80	5.20	5.46	5.19	5.40	5.93	5.50	5.36	5.43	5.40	5.55	5.60	5.64
Replicate 4	5.11	5.13	5.08	5.43	5.48	5.48	5.00	5.29	5.46	5.25	5.40	6.13	5.46	5.39	5.41	5.39	5.51	5.56	5.59
Replicate 5	4.96	5.08	5.09	5.46	5.80	5.45	5.13	5.35	5.51	5.38	5.50	6.26	5.55	5.45	5.51	5.51	5.65	5.71	5.75
Replicate 6	4.90	4.98	4.99	5.33	5.53	5.46	5.14	5.35	5.50	5.39	5.45	6.05	5.48	5.43	5.49	5.48	5.59	5.63	5.64
Replicate 7	4.84	4.98	5.01	5.39	5.58	5.48	5.20	5.41	5.58	5.49	5.55	6.25	5.56	5.54	5.59	5.58	5.70	5.73	5.74
Mean	5.08	5.13	5.08	5.44	5.53	5.47	5.03	5.32	5.49	5.31	5.45	6.18	5.50	5.41	5.46	5.45	5.58	5.62	5.66
SD	0.208	0.159	0.074	0.094	0.132	0.030	0.138	0.066	0.051	0.115	0.062	0.154	0.049	0.081	0.087	0.088	0.087	0.091	0.077
% CV	4.10	3.09	1.46	1.72	2.38	0.56	2.74	1.24	0.925	2.16	1.14	2.49	0.885	1.51	1.60	1.61	1.56	1.62	1.35
Dry weight (ng/g)																			
EMDL	0.654	0.498	0.233	0.294	0.414	0.096	0.434	0.208	0.159	0.360	0.195	0.483	0.153	0.256	0.274	0.275	0.274	0.287	0.241

SD = standard deviation
% CV = coeffecient of variation x 100

Table C21. Instrumental Detection Limit and Estimated Method Detection Limit for pesticides, ppb.

	hexachlorobenzene	lindane	heptachlor	aldrin	octachlorostyrene	heptachlorepoxide	oxychlordane	o,p'-DDE	alpha-chlordane	trans-nonachlor	dieldrin	p,p'-DDE	o,p'-DDD	endrin	p,p'-DDD	o,p'-DDT	p,p'DDT	photomirex	mirex
									Instrumental Detection Limit (IDL)										
Replicate 1	46.8	44.7	46.2	43.1	44.2	44.1	44.6	43.7	43.0	42.9	43.0	41.4	42.7	44.8	42.7	43.4	43.6	43.8	44.4
Replicate 2	45.2	44.0	45.0	42.4	43.2	44.6	45.6	43.5	42.6	42.5	42.5	40.8	42.1	43.2	41.8	43.2	42.2	43.2	43.6
Replicate 3	45.4	44.5	45.3	44.1	45.2	44.2	45.5	44.7	44.2	44.2	43.3	42.4	43.1	41.4	42.8	45.0	43.3	45.2	45.1
Replicate 4	44.3	44.2	46.0	43.8	42.6	47.7	50.7	44.6	44.2	44.2	44.1	42.8	43.8	43.1	43.5	45.7	44.4	45.4	45.3
Replicate 5	44.0	43.0	44.2	42.7	43.9	43.6	44.8	44.5	43.8	43.9	43.8	42.2	43.2	43.5	43.3	46.3	44.4	46.1	46.2
Replicate 6	42.3	39.7	41.2	39.5	42.7	41.9	44.4	43.0	41.8	41.8	41.9	40.1	41.1	42.9	41.4	44.3	42.3	44.1	44.1
Replicate 7	43.8	42.5	43.8	41.9	45.6	43.4	46.8	46.2	44.8	45.1	45.7	45.4	45.7	48.2	48.6	46.6	46.5	47.5	47.3
Mean	44.5	43.2	44.5	42.5	43.9	44.2	46.1	44.3	43.5	43.5	43.5	42.2	43.1	43.9	43.4	44.9	43.8	45.0	45.1
SD	1.43	1.75	1.71	1.53	1.18	1.77	2.20	1.05	1.06	1.15	1.23	1.71	1.44	2.15	2.40	1.35	1.48	1.48	1.28
% CV	3.20	4.05	3.83	3.60	2.68	3.99	4.78	2.36	2.43	2.65	2.84	4.07	3.34	4.91	5.52	3.01	3.37	3.29	2.83
IDL (pg/uL)	4.48	5.50	5.37	4.80	3.69	5.55	6.92	3.29	3.32	3.62	3.88	5.39	4.52	6.77	7.53	4.25	4.65	4.65	4.02
									Estimated Method Detection Limit (EMDL)										
Replicate 1	5.85	5.59	5.78	5.39	5.53	5.51	5.58	5.46	5.38	5.36	5.38	5.18	5.34	5.60	5.34	5.43	5.45	5.48	5.55
Replicate 2	5.65	5.50	5.63	5.30	5.40	5.58	5.70	5.44	5.33	5.31	5.31	5.10	5.26	5.40	5.23	5.40	5.28	5.40	5.45
Replicate 3	5.68	5.56	5.66	5.51	5.65	5.53	5.69	5.59	5.53	5.53	5.41	5.30	5.39	5.18	5.35	5.63	5.41	5.65	5.64
Replicate 4	5.54	5.53	5.75	5.48	5.33	5.96	6.34	5.58	5.53	5.53	5.51	5.35	5.48	5.39	5.44	5.71	5.55	5.68	5.66
Replicate 5	5.50	5.38	5.53	5.34	5.49	5.45	5.60	5.56	5.48	5.49	5.48	5.28	5.40	5.44	5.41	5.79	5.55	5.76	5.78
Replicate 6	5.29	4.96	5.15	4.94	5.34	5.24	5.55	5.38	5.23	5.23	5.24	5.01	5.14	5.36	5.18	5.54	5.29	5.51	5.51
Replicate 7	5.48	5.31	5.48	5.24	5.70	5.43	5.85	5.78	5.60	5.64	5.71	5.68	5.71	6.03	6.08	5.83	5.81	5.94	5.91
Mean	5.57	5.40	5.57	5.31	5.49	5.53	5.76	5.54	5.44	5.44	5.43	5.27	5.39	5.48	5.43	5.62	5.48	5.63	5.64
SD	0.178	0.219	0.213	0.191	0.147	0.221	0.275	0.131	0.132	0.144	0.154	0.214	0.180	0.269	0.300	0.169	0.185	0.185	0.160
% CV	3.20	4.05	3.83	3.60	2.68	3.99	4.78	2.36	2.432	2.65	2.84	4.07	3.338	4.91	5.52	3.01	3.37	3.29	2.83
									Dry weight (ng/g)										
EMDL	0.560	0.687	0.671	0.601	0.462	0.694	0.865	0.412	0.415	0.452	0.485	0.674	0.565	0.846	0.941	0.532	0.581	0.581	0.503

SD = standard deviation
% CV = coeffecient of variation x 100

Table C21. Instrumental Detection Limit and Estimated Method Detection Limit for PAHs, ppb (continued).

	naphthalene	2-methylnaphthalene	1-methylnaphthalene	biphenyl	2,6-dimethylnaphthalene	acenaphthylene	acenaphthene	2,3,5-trimethylnaphthalen	fluorene	phenanthrene	anthracene	1-methylphenanthrene	fluoranthene	pyrene	benz(a)anthracene	chrysene	benzo(b)fluoranthene	benzo(k)fluoranthene	benzo(e)pyrene	benzo(a)pyrene	perylene	indeno(1,2,3-cd)pyrene	dibenz(a,h)anthracene	benzo(g,h,i)perylene
Instrumental Detection Limit (IDL)																								
Replicate 1	211	227	204	220	227	202	222	201	222	211	153	196	198	225	183	209	213	215	218	203	169	196	182	208
Replicate 2	224	229	221	242	247	215	230	201	218	224	170	221	228	217	191	228	223	220	224	207	176	205	194	204
Replicate 3	220	204	222	213	248	226	249	182	226	216	168	215	226	223	194	222	221	224	236	234	186	218	180	205
Replicate 4	222	214	207	219	252	220	241	194	241	222	172	216	224	220	186	220	226	229	230	213	175	206	163	202
Replicate 5	216	215	205	215	244	223	231	203	220	215	179	212	243	232	201	225	239	238	240	219	185	208	202	199
Replicate 6	222	213	211	211	219	212	231	193	233	228	189	221	245	232	204	240	239	237	241	220	185	212	174	198
Replicate 7	235	220	220	220	238	237	263	181	238	223	180	216	228	227	190	220	211	213	221	205	166	194	162	197
Mean	221	217	213	220	239	219	238	193	228	220	173	214	227	225	193	223	225	225	230	214	177	206	180	202
SD	7.41	8.88	8.09	10.4	12.2	11.1	13.9	9.06	9.08	6.14	11.4	8.26	15.4	5.70	7.83	9.52	11.1	9.96	9.23	10.9	8.49	8.22	14.9	4.09
% CV	3.35	4.08	3.80	4.71	5.09	5.06	5.84	4.68	3.98	2.79	6.57	3.86	6.79	2.53	4.06	4.26	4.96	4.42	4.01	5.06	4.79	4.00	8.30	2.03
IDL (pg/uL)	23.3	27.9	25.4	32.6	38.3	34.9	43.7	28.5	28.5	19.3	35.7	26.0	48.5	17.9	24.6	29.9	35.0	31.3	29.0	34.1	26.7	25.8	46.8	12.9
Estimated Method Detection Limit (EMDL)																								
Replicate 1	26.4	28.4	25.4	27.5	28.4	25.2	27.8	25.1	27.7	26.3	19.1	24.6	24.8	28.1	22.8	26.1	26.7	26.9	27.3	25.4	21.1	24.5	22.8	26.1
Replicate 2	28.0	28.7	27.7	30.2	30.9	26.9	28.8	25.1	27.2	28.1	21.2	27.6	28.5	27.1	23.9	28.5	27.8	27.5	28.0	25.9	22.0	25.7	24.3	25.5
Replicate 3	27.5	25.5	27.7	26.6	31.0	28.2	31.1	22.7	28.3	27.1	21.0	26.9	28.2	27.9	24.3	27.8	27.6	27.9	29.5	29.3	23.3	27.2	22.6	25.6
Replicate 4	27.7	26.7	25.9	27.3	31.5	27.5	30.1	24.3	30.1	27.8	21.5	27.0	28.0	27.5	23.2	27.5	28.2	28.7	28.8	26.6	21.9	25.7	20.4	25.3
Replicate 5	27.0	26.9	25.6	26.9	30.5	27.9	28.9	25.4	27.6	26.9	22.4	26.5	30.4	29.0	25.2	28.1	29.8	29.8	30.0	27.3	23.2	26.0	25.2	24.9
Replicate 6	27.7	26.7	26.4	26.3	27.3	26.6	28.9	24.2	29.1	28.5	23.6	27.6	30.6	29.0	25.5	30.1	29.9	29.6	30.1	27.6	23.2	26.4	21.7	24.7
Replicate 7	29.4	27.4	27.6	27.5	29.7	29.6	32.9	22.6	29.8	27.9	22.5	27.0	28.5	28.4	23.8	27.4	26.4	26.7	27.6	25.6	20.7	24.3	20.3	24.7
Mean	27.6	27.2	26.6	27.5	29.9	27.4	29.8	24.2	28.5	27.5	21.6	26.7	28.4	28.1	24.1	27.9	28.1	28.2	28.8	26.8	22.2	25.7	22.4	25.2
SD	0.926	1.11	1.01	1.29	1.52	1.39	1.74	1.13	1.14	0.767	1.42	1.03	1.93	0.713	0.979	1.19	1.39	1.25	1.15	1.36	1.06	1.03	1.86	0.512
% CV	3.35	4.08	3.80	4.71	5.09	5.06	5.84	4.68	3.98	2.79	6.57	3.86	6.79	2.53	4.06	4.26	4.96	4.42	4.01	5.06	4.79	4.00	8.30	2.03
Dry weight (ng/g)																								
EMDL	2.91	3.49	3.18	4.07	4.79	4.36	5.46	3.56	3.57	2.41	4.46	3.25	6.07	2.24	3.08	3.74	4.37	3.91	3.63	4.27	3.34	3.23	5.85	1.61

SD = standard deviation
% CV = coeffecient of variation x 100