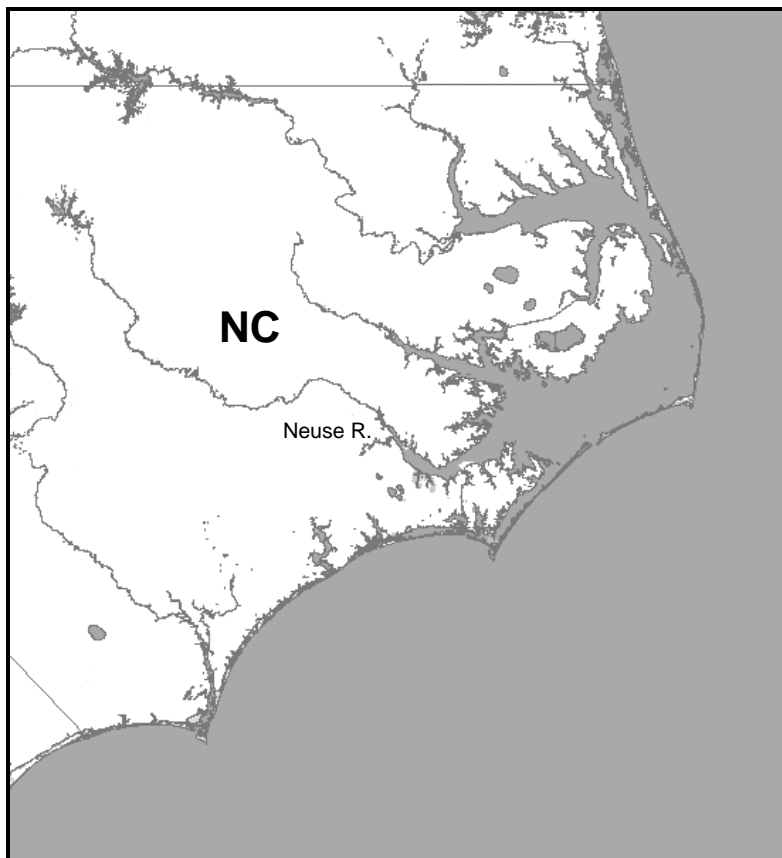


**ENVIRONMENTAL QUALITY OF THE NEUSE RIVER, NORTH CAROLINA
DURING SUMMER 1998: DATA SUMMARY**



February 2000

NOAA

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



National Ocean Service

National Centers for Coastal Ocean Science

Center for Coastal Monitoring & Assessment

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DURING SUMMER 1998: DATA SUMMARY

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Environmental Quality of the Neuse River, North Carolina During Summer 1998: Data Summary

1. Introduction

This report presents data generated from samples of water, sediment, and biota collected in the Neuse River, NC during the summer of 1998. The sampling effort is part of a joint study, initiated by the National Oceanic and Atmospheric Administration (NOAA) and the U.S. Environmental Protection Agency (U.S. EPA), to assess the health of southeastern estuaries by coordinating two nationwide environmental monitoring efforts: NOAA's National Status and Trends program (NS&T) and U.S. EPA's Environmental Monitoring and Assessment Program (EMAP). The joint coastal research and monitoring program retains the EMAP sampling design, which includes randomly selected sites distributed over various biogeographical provinces of the U.S. The probability-based sampling design makes it possible to assess the status of selected indicators of ecological health on a regional basis with known confidence.

The EMAP Carolinian Province encompasses estuaries from Cape Henry, VA to St. Lucie Inlet, FL. Full province-wide assessments of Carolinian Province estuaries were conducted during the summers of 1994 and 1995 (Hyland et al. 1996; Hyland et al. 1998). During the summers of 1996 and 1997, the EMAP random sampling design was applied again, although sampling was limited to estuaries in the North Carolina portion of the province due to funding constraints. A comprehensive analysis of the quality of North Carolina estuaries, based on all four years of sampling (1994-1997), has been completed and submitted for publication (Hyland et al, In Review). The summer 1998 sampling effort was focused on a site-intensive assessment of environmental conditions in the Neuse River, NC. There is a growing concern that human-induced inputs associated with unprecedented growth in this area over the last 50 years may have contributed to long-term degradation in water quality in the Neuse River Estuary. Potential sources of pollution include organic wastes from hog and chicken operations, agricultural run-off of pesticides, polynuclear aromatic hydrocarbons (PAHs) from road run-off and boat activities, and sewage from septic tanks and sewage treatment facilities. Data collected from this study also will be used to support the Mid-Atlantic Integrated Assessment (MAIA 1999). MAIA is an inter-agency, multi-disciplinary program focused on monitoring and research in the mid-Atlantic region of the eastern U.S., which includes watersheds of the Delaware and Chesapeake Bays, Albemarle-Pamlico Sound, and the Delmarva Coastal Bays.

The purpose of the following report is to provide a presentation of the data resulting from the 1998 Neuse River survey. While brief descriptions of methods are included, interpretive analyses and related conclusions are purposely omitted to stay within the theme of a data summary report. Such treatments of the data will be included in subsequent publications in the peer-reviewed literature.

2. Sampling Methods & Results

Twenty randomly located stations (Figure 1; Table 1) were sampled in the Neuse River between July 13 and July 16, 1998 by scientists from the NOAA/NOS Center for Coastal Monitoring and Assessment (CCMA) in Charleston, SC; the NOAA/NOS Center for Coastal

Environmental Health and Biomolecular Research (CCEHBR) in Charleston, SC; the NOAA/NOS Center for Coastal Fisheries and Habitat Research (CCFHR) in Beaufort, NC; the SC Department of Natural Resources; and the University of North Carolina – Wilmington. Station locations were determined by dividing the lower Neuse River (mouth to tidal fresh portion) into five equidistant segments, and then randomly selecting four station locations within each river segment. This method was used to produce probability-based samples for estimates of the proportion of estuarine area falling within specified ranges of environmental indicators, and to estimate these quantities with known confidence.

Two teams of three to four crew members each conducted the sampling from small trailerable boats. At each station, samples and in-situ measurements were taken for characterization of: (1) general habitat conditions (depth, physical properties of water, sediment silt-clay content, organic carbon content of sediment); (2) potential pollution exposure (sediment contaminants, sediment toxicity, ammonia in sediment porewater, and low dissolved oxygen conditions in the water column); (3) biotic conditions (diversity and abundances of macroinfaunal species); and (4) nutrient loading in water (chlorophyll, phaeophytin, total suspended solids, particulate carbon, particulate and dissolved nitrogen, and particulate and dissolved phosphorus).

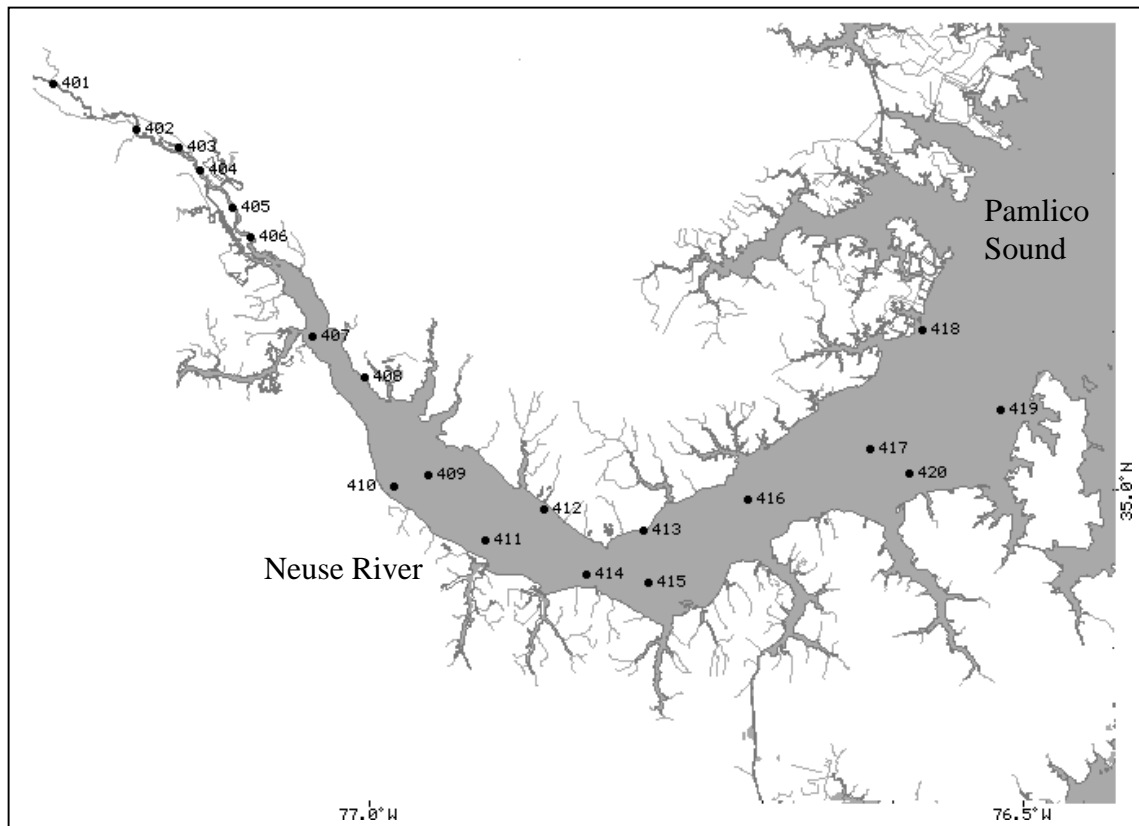


Figure 1. Map showing the locations of sampling stations in the Neuse River, NC.

Table 1. Latitude and longitude coordinates of sampling sites.

Station Number	Estuary Name	Latitude	Longitude
CP98401	Neuse River, NC	35° 15.44'	77° 13.82'
CP98402	Neuse River, NC	35° 13.75'	77° 09.93'
CP98403	Neuse River, NC	35° 12.88'	77° 08.00'
CP98404	Neuse River, NC	35° 12.18'	77° 07.02'
CP98405	Neuse River, NC	35° 10.75'	77° 05.50'
CP98406	Neuse River, NC	35° 09.69'	77° 04.65'
CP98407	Neuse River, NC	35° 05.84'	77° 01.75'
CP98408	Neuse River, NC	35° 04.20'	76° 59.29'
CP98409	Neuse River, NC	35° 00.60'	76° 56.47'
CP98410	Neuse River, NC	35° 00.20'	76° 58.00'
CP98411	Neuse River, NC	34° 58.16'	76° 53.78'
CP98412	Neuse River, NC	34° 59.30'	76° 51.13'
CP98413	Neuse River, NC	34° 58.51'	76° 46.51'
CP98414	Neuse River, NC	34° 56.84'	76° 49.17'
CP98415	Neuse River, NC	34° 56.57'	76° 46.30'
CP98416	Neuse River, NC	34° 59.68'	76° 41.73'
CP98417	Neuse River, NC	35° 01.57'	76° 36.04'
CP98418	Neuse River, NC	35° 06.18'	76° 33.62'
CP98419	Neuse River, NC	35° 03.10'	76° 30.01'
CP98420	Neuse River, NC	35° 00.66'	76° 34.26'

2.1 Water

At each station, depth and physical properties of water (dissolved oxygen, temperature, pH, and salinity) were measured instantaneously in surface, near-bottom, and (optionally) mid-depth waters using a Hydrolab DataSonde[®] 3 multiprobe data logger. When station depth was less than 1 meter, only mid-depth readings were taken. Where possible, readings were recorded on the downcast and upcast, yielding a pair of measurements at each depth for a given station (Table 2).

Water samples were collected at each station for nutrient analysis using a General Oceanics GO-FLO non-metallic water sampling bottle. Samples were collected at near-surface and near-bottom depths for stations with depths ≥ 3 m. For stations with depth < 3 m, one sample was collected at mid-depth only. Each sample consisted of 3-5 L of water, which was stored in a clean 1-gal. plastic container, held on ice in the dark and filtered within four hours, wherever possible. Results of water-column nutrient analyses are shown in Table 3.

Table 2. Physical properties of water measured at each station.

Station	Depth (m)	Temperature (°C)	Salinity (‰)	Dissolved Oxygen (mg/L)	pH
CP98401	0.2	28.7	0.1	7.9	7.2
	0.2	28.7	0.1	7.9	7.2
	0.8	28.7	0.1	7.9	7.2
	0.8	28.7	0.1	7.9	7.2
CP98402	0.1	28.4	0.1	5.5	7.0
	0.1	28.4	0.1	5.5	6.9
	1.7	27.9	0.1	5.4	6.9
	1.7	27.9	0.1	5.2	6.7
	3.5	27.9	0.1	5.2	6.9
	3.5	27.9	0.1	5.2	6.7
CP98403	0.1	28.3	0.1	7.1	7.1
	0.2	29.0	0.1	7.4	7.4
	1.0	28.5	0.1	7.0	7.2
	1.0	28.4	0.1	7.5	7.3
	2.1	28.3	0.1	7.0	7.2
	2.1	28.3	0.1	7.0	7.2
CP98404	0.2	28.8	0.1	5.8	7.6
	0.3	28.8	0.1	5.8	7.5
	1.0	28.5	0.1	5.8	7.5
	1.0	28.5	0.1	5.8	7.5
CP98405	0.2	28.7	0.1	5.8	7.7
	0.3	28.7	0.1	5.8	7.5
	1.8	28.1	0.1	5.0	7.6
	1.9	28.1	0.1	5.0	7.6
CP98406	0.2	29.5	0.1	5.6	7.7
	0.3	29.5	0.1	5.7	7.8
	3.2	28.2	0.1	5.1	7.6
	3.2	28.2	0.1	5.1	7.5
CP98407	0.3	29.2	0.3	10.3	8.8
	0.3	29.0	0.3	10.2	8.6
	2.9	28.4	0.4	8.0	8.2
	2.9	28.4	0.4	8.0	8.2
CP98408	0.5	28.7	1.2	7.9	8.2
	0.5	28.9	1.2	7.9	8.2
CP98409	0.2	28.8	3.0	7.8	8.0
	0.3	28.8	3.0	7.8	7.9
	1.6	28.3	3.2	6.8	7.7
	2.9	28.4	4.3	5.9	7.7
	3.0	28.4	4.3	5.9	7.8
CP98410	0.2	28.7	3.7	7.3	8.0
	0.2	28.7	3.7	7.1	7.9
	1.4	28.3	3.8	6.5	7.8
	1.4	28.3	3.7	6.7	7.8
	2.8	28.0	4.1	5.6	7.5
	2.8	28.0	4.1	5.6	7.5
CP98411	0.2	28.6	4.8	8.2	8.1
	0.3	28.5	4.8	8.3	8.1
	1.7	28.3	5.0	7.5	8.0
	1.9	28.1	5.1	7.0	7.9
	3.7	27.8	5.3	7.3	7.7
	3.9	27.8	5.3	6.5	7.5

Table 2. (Continued).

Station	Depth (m)	Temperature (°C)	Salinity (‰)	Dissolved Oxygen (mg/L)	pH
CP98412	0.5	27.8	4.5	7.4	7.9
	0.5	27.9	4.6	7.4	7.8
	1.5	27.8	4.6	7.4	7.8
	1.5	27.8	4.6	7.0	7.7
	3.0	28.0	5.2	3.3	7.3
	3.0	28.0	5.2	3.4	7.2
CP98413	0.2	28.8	7.6	8.4	8.2
	0.3	28.8	7.6	8.4	8.2
	0.9	28.8	7.6	8.4	8.2
	0.9	28.8	7.6	8.4	8.2
CP98414	0.1	27.7	6.1	6.9	7.7
	0.2	27.7	6.1	7.0	7.7
	1.4	27.7	6.1	6.9	7.7
	1.5	27.7	6.1	7.0	7.7
	2.4	27.3	6.3	6.7	7.7
	2.4	27.3	6.2	6.8	7.7
CP98415	0.2	27.9	6.7	7.3	7.8
	1.5	27.9	6.7	7.4	7.8
	1.5	27.9	6.7	7.4	7.8
	3.0	27.9	6.7	7.4	7.8
	3.0	27.9	6.7	7.4	7.8
CP98416	0.3	28.0	7.5	7.5	7.8
	0.4	28.0	7.5	7.3	7.9
	5.3	27.8	7.8	7.1	7.9
	5.4	27.8	7.8	7.1	7.9
CP98417	0.3	28.3	8.3	8.5	8.1
	0.5	28.3	8.3	8.5	8.1
	5.9	27.6	8.5	6.0	7.8
	5.9	27.6	8.5	6.1	7.8
CP98418	0.3	28.3	9.1	7.8	8.0
	0.4	28.3	9.1	7.7	7.9
	1.1	28.3	9.1	7.8	8.0
	1.1	28.3	9.1	7.8	8.0
CP98419	0.0	27.9	9.0	8.7	8.0
	0.0	27.8	9.0	8.7	8.0
	3.0	27.7	9.0	8.5	7.8
	3.2	27.7	9.0	9.0	8.0
	5.5	26.9	9.2	7.8	7.8
	5.6	26.9	9.2	8.6	7.8
CP98420	0.2	27.4	9.1	7.7	7.9
	0.4	27.4	9.1	7.7	7.9
	2.1	27.4	9.1	7.7	7.9
	2.1	27.4	9.1	7.7	7.9

Table 3. Nutrient levels measured in near-surface, mid-depth, and near-bottom waters.

Station	Depth Stratum	Ammonium (µg/L)	Nitrite (µg/L)	Nitrate (µg/L)	Orthophosphate (µg/L)	Silica (µg/L)	Organic Phosphorus (µg/L)	Organic Nitrogen (µg/L)	Chlorophyll-A (µg/L)	Phaeophytin (µg/L)	TSS (mg/L)
CP98401	MID	49.53	6.01	724.93	197.78	2950.54	N.D.	N.D.	2.92	1.40	2.13
CP98402	BOT	51.50	6.27	360.21	199.55	2390.84	N.D.	N.D.	2.16	1.39	0.00
	SUR	50.00	6.33	463.16	216.75	2727.01	N.D.	N.D.	2.74	1.59	0.83
CP98403	MID	47.99	6.82	427.47	191.08	2458.76	N.D.	N.D.	3.29	1.52	0.00
CP98404	MID	43.52	8.87	388.60	210.47	2350.98	N.D.	N.D.	2.87	1.40	2.18
CP98405	MID	77.52	11.39	476.92	229.10	2388.76	N.D.	83.88	4.38	1.46	2.27
CP98406	BOT	95.14	9.76	387.89	235.40	2339.03	N.D.	N.D.	1.51	1.32	0.80
	SUR	102.31	10.13	701.55	207.58	2306.97	N.D.	N.D.	2.53	1.24	1.33
CP98407	MID	30.78	3.83	74.89	91.97	1888.32	N.D.	6.48	27.49	8.01	50.00
CP98408	MID	20.45	0.74	9.79	61.37	846.37	N.D.	522.51	13.92	5.19	1.67
CP98409	MID	30.31	2.07	6.23	147.64	1405.21	N.D.	228.60	15.19	3.32	1.33
CP98410	MID	33.61	1.26	19.89	184.75	1545.74	N.D.	558.61	11.68	3.78	4.00
CP98411	BOT	44.77	1.35	7.54	157.95	1992.64	N.D.	1064.60	20.99	7.95	9.67
	SUR	34.00	0.69	5.44	133.94	1817.62	N.D.	73.89	16.32	3.76	3.00
CP98412	BOT	32.62	0.57	3.50	153.96	1894.56	N.D.	982.90	12.35	4.62	4.33
	SUR	32.95	0.84	4.20	143.16	1571.04	N.D.	800.27	13.81	3.50	5.33
CP98413	MID	43.05	1.23	3.31	38.34	1743.98	N.D.	585.33	6.67	2.74	10.33
CP98414	MID	31.91	1.00	3.41	116.89	2010.48	N.D.	654.89	26.21	6.12	5.33
CP98415	MID	38.05	1.67	3.09	70.60	2088.46	N.D.	232.20	17.14	6.00	9.67
CP98416	BOT	40.96	0.60	3.12	39.66	2120.86	N.D.	258.95	14.49	2.54	7.33
	SUR	39.47	0.73	3.44	37.10	2011.18	N.D.	74.67	18.67	2.61	5.00
CP98417	BOT	41.77	1.02	3.46	42.30	1899.41	N.D.	77.23	11.50	2.96	7.67
	SUR	42.63	1.63	3.30	37.44	1990.56	N.D.	263.10	11.28	3.36	4.67
CP98418	MID	46.27	0.95	6.66	19.66	1566.01	29.07	129.52	6.20	1.01	6.33
CP98419	BOT	49.03	1.35	4.60	30.44	1714.00	4.65	342.50	9.03	2.46	3.33
	SUR	39.24	1.31	5.68	33.17	1856.78	34.06	229.77	9.10	2.43	6.33
CP98420	MID	40.62	1.31	3.78	32.39	1680.38	26.48	400.14	8.55	2.09	7.67

2.2 Sediment

Samples of bottom sediments were obtained at each station using a 0.04m² Young grab sampler. The upper 2 cm of sediment from multiple grabs were homogenized and placed into sample jars for subsequent analysis of silt-clay, total organic carbon, and porewater unionized ammonia nitrogen (Table 4); metals and acid volatile sulfide (AVS) (Table 5); polynuclear aromatic hydrocarbons (PAHs) (Table 6); polychlorinated biphenyls (PCBs) (Table 7); pesticides (Table 8); and sediment toxicity (Table 9).

Sediments were analyzed for contaminants according to the procedures referenced in Table 10. Included in Table 10 are minimum detection limits for each analyte, based on a sample size of 0.5 g dry weight. The actual sample-specific method detection limits (MDLs) are reported in Tables 5 – 8.

Toxicity of bottom sediments was evaluated using two different assays: the Microtox[®] solid-phase assay with the photoluminescent bacterium *Vibrio fischeri*, and the ten-day solid-phase test for survival of the marine amphipod *Ampelisca abdita*. The Microtox[®] test provides a sublethal measure of toxicity based on attenuation of light production by *V. fischeri* cells due to exposure to the sediment sample (Bulich 1979; Ross et al. 1991; Microbics 1992 a and b). Ringwood et al. (1995, 1997) demonstrated a strong inverse relationship between Microtox[®] EC₅₀ – the sediment concentration that reduced light production by 50% relative to a nontoxic reagent control blank – and percent silt-clay content of the sediment. Hence, for the Microtox[®] assay, samples with silt-clay content ≥ 20% were classified as toxic if EC₅₀ values were ≤ 0.2% sediment; samples with silt-clay < 20% were classified as being toxic if EC₅₀ values were ≤ 0.5% sediment. EC₅₀ values were corrected for percent water content and reported as dry-weight concentrations. For the *A. abdita* test (ASTM 1993), sediments were considered toxic if *A. abdita* mean survival relative to control was less than 80% and survival was significantly different from control survival (*t*-test, $\alpha = 0.05$).

Three replicate sediment grabs also were collected from each station and live-sieved in the field with a 0.5-mm mesh screen. Material retained on the screen was placed in individual plastic containers and fixed in 10% buffered formalin with rose bengal for identification of benthic infauna in the laboratory (Table 11).

Table 4. Sediment percent silt-clay, total organic carbon (TOC), and porewater unionized ammonia nitrogen (UAN).

Station	Silt-clay (%)	TOC (% dry wt.)	UAN (mg/L)
CP98401	0.5	0.02	0.05
CP98402	39.5	3.08	0.09
CP98403	2.0	0.05	0.04
CP98404	2.1	0.03	0.40
CP98405	2.1	0.06	0.18
CP98406	3.2	0.07	0.12
CP98407	82.1	4.90	0.06
CP98408	21.1	2.26	0.17
CP98409	12.8	0.66	0.15
CP98410	98.9	7.40	0.10
CP98411	97.6	6.33	0.11
CP98412	17.0	0.80	0.31
CP98413	0.7	0.07	0.78
CP98414	2.2	0.05	0.00
CP98415	1.7	0.14	0.16
CP98416	93.0	5.50	0.18
CP98417	87.3	3.58	0.17
CP98418	1.7	0.07	0.23
CP98419	13.5	0.27	0.26
CP98420	1.0	0.04	0.40

Table 5. Concentrations (per gram dry wt.) of metals, acid volatile sulfide (AVS), and simultaneously extractable metals (SEM) in bottom sediments. (N.D. = not detected).

Station	Analyte	Concentration	Method ^a	MDL ^b
CP98401				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 μmol/g
	Aluminum	N.D.	AES/ICP	865.2 μg/g
	Arsenic	N.D.	GFAA	0.03527 μg/g
	Cadmium	N.D.	GFAA	0.034 μg/g
	Chromium	1.67 μg/g	AES/ICP	0.2939 μg/g
	Copper	N.D.	AES/ICP	0.2939 μg/g
	Iron	2350 μg/g	AES/ICP	11.76 μg/g
	Lead	1.88 μg/g	GFAA	0.1587 μg/g
	Manganese	69.4 μg/g	AES/ICP	0.09798 μg/g
	Mercury	N.D.	CVAA	0.01428 μg/g
	Nickel	N.D.	AES/ICP	1.862 μg/g
	Selenium	N.D.	GFAA	0.03282 μg/g
	SEM - Cadmium	0.000446 μmol/g	AES/ICP	0.0002972 μmol/g
	SEM - Copper	0.00105 μmol/g	AES/ICP	0.0007887 μmol/g
	SEM - Lead	N.D.	AES/ICP	0.005563 μmol/g
	SEM - Nickel	N.D.	AES/ICP	0.005408 μmol/g
	SEM - Zinc	0.127 μmol/g	AES/ICP	0.0005109 μmol/g
	Silver	N.D.	GFAA	0.01999 μg/g
	Tin	N.D.	AES/ICP	7.643 μg/g
	Zinc	12.3 μg/g	AES/ICP	0.196 μg/g
CP98402				
	Acid Volatile Sulfide	3.25 μmol/g	SPECTRO	0.094 μmol/g
	Aluminum	31900 μg/g	AES/ICP	853.1 μg/g
	Arsenic	2.16 μg/g	GFAA	0.03478 μg/g
	Cadmium	0.324 μg/g	GFAA	0.03353 μg/g
	Chromium	33.2 μg/g	AES/ICP	0.2899 μg/g
	Copper	10.6 μg/g	AES/ICP	0.2899 μg/g
	Iron	16700 μg/g	AES/ICP	11.59 μg/g
	Lead	25.4 μg/g	GFAA	0.1565 μg/g
	Manganese	318 μg/g	AES/ICP	0.09662 μg/g
	Mercury	0.0573 μg/g	CVAA	0.01903 μg/g
	Nickel	9.66 μg/g	AES/ICP	1.836 μg/g
	Selenium	0.41 μg/g	GFAA	0.03237 μg/g
	SEM - Cadmium	0.0374 μmol/g	AES/ICP	0.002879 μmol/g
	SEM - Copper	0.107 μmol/g	AES/ICP	0.007639 μmol/g
	SEM - Lead	0.0562 μmol/g	AES/ICP	0.05389 μmol/g
	SEM - Nickel	0.0717 μmol/g	AES/ICP	0.05238 μmol/g
	SEM - Zinc	0.547 μmol/g	AES/ICP	0.004949 μmol/g
	Silver	0.169 μg/g	GFAA	0.01971 μg/g
	Tin	29.2 μg/g	AES/ICP	7.536 μg/g
	Zinc	80.4 μg/g	AES/ICP	0.1932 μg/g
CP98403				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 μmol/g
	Aluminum	1510 μg/g	AES/ICP	878.3 μg/g
	Arsenic	7.09 μg/g	GFAA	0.03581 μg/g
	Cadmium	N.D.	GFAA	0.03451 μg/g
	Chromium	5.07 μg/g	AES/ICP	0.2984 μg/g
	Copper	0.497 μg/g	AES/ICP	0.2984 μg/g
	Iron	2650 μg/g	AES/ICP	11.94 μg/g
	Lead	2.74 μg/g	GFAA	0.1611 μg/g
	Manganese	61.1 μg/g	AES/ICP	0.09946 μg/g
	Mercury	N.D.	CVAA	0.0168 μg/g
	Nickel	N.D.	AES/ICP	1.89 μg/g
	Selenium	N.D.	GFAA	0.03332 μg/g
	SEM - Cadmium	N.D.	AES/ICP	0.0003557 μmol/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
	SEM - Copper	N.D.	AES/ICP	0.0009437 μmol/g
	SEM - Lead	N.D.	AES/ICP	0.006657 μmol/g
	SEM - Nickel	N.D.	AES/ICP	0.006471 μmol/g
	SEM - Zinc	N.D.	AES/ICP	0.0006114 μmol/g
	Silver	N.D.	GFAA	0.02029 μg/g
	Tin	N.D.	AES/ICP	7.758 μg/g
	Zinc	13.3 μg/g	AES/ICP	0.1989 μg/g
CP98404				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 μmol/g
	Aluminum	N.D.	AES/ICP	909.2 μg/g
	Arsenic	4.38 μg/g	GFAA	0.03707 μg/g
	Cadmium	N.D.	GFAA	0.03573 μg/g
	Chromium	1.24 μg/g	AES/ICP	0.3089 μg/g
	Copper	N.D.	AES/ICP	0.3089 μg/g
	Iron	1770 μg/g	AES/ICP	12.36 μg/g
	Lead	1.67 μg/g	GFAA	0.1668 μg/g
	Manganese	29.6 μg/g	AES/ICP	0.103 μg/g
	Mercury	N.D.	CVAA	0.01354 μg/g
	Nickel	N.D.	AES/ICP	1.956 μg/g
	Selenium	N.D.	GFAA	0.03449 μg/g
	SEM - Cadmium	0.0112 μmol/g	AES/ICP	0.0003942 μmol/g
	SEM - Copper	0.0432 μmol/g	AES/ICP	0.001046 μmol/g
	SEM - Lead	0.0142 μmol/g	AES/ICP	0.007379 μmol/g
	SEM - Nickel	0.04 μmol/g	AES/ICP	0.007173 μmol/g
	SEM - Zinc	0.173 μmol/g	AES/ICP	0.0006777 μmol/g
	Silver	N.D.	GFAA	0.021 μg/g
	Tin	N.D.	AES/ICP	8.031 μg/g
	Zinc	8.13 μg/g	AES/ICP	0.2059 μg/g
CP98405				
	Acid Volatile Sulfide	0.146 μmol/g	SPECTRO	0.094 μmol/g
	Aluminum	1680 μg/g	AES/ICP	875.1 μg/g
	Arsenic	0.862 μg/g	GFAA	0.03568 μg/g
	Cadmium	N.D.	GFAA	0.03439 μg/g
	Chromium	2.48 μg/g	AES/ICP	0.2973 μg/g
	Copper	0.396 μg/g	AES/ICP	0.2973 μg/g
	Iron	3310 μg/g	AES/ICP	11.89 μg/g
	Lead	2.35 μg/g	GFAA	0.1606 μg/g
	Manganese	46.2 μg/g	AES/ICP	0.09911 μg/g
	Mercury	N.D.	CVAA	0.01576 μg/g
	Nickel	N.D.	AES/ICP	1.883 μg/g
	Selenium	N.D.	GFAA	0.0332 μg/g
	SEM - Cadmium	N.D.	AES/ICP	0.0006064 μmol/g
	SEM - Copper	0.00268 μmol/g	AES/ICP	0.001609 μmol/g
	SEM - Lead	N.D.	AES/ICP	0.01135 μmol/g
	SEM - Nickel	N.D.	AES/ICP	0.01103 μmol/g
	SEM - Zinc	0.186 μmol/g	AES/ICP	0.001042 μmol/g
	Silver	N.D.	GFAA	0.02022 μg/g
	Tin	N.D.	AES/ICP	7.73 μg/g
	Zinc	13.9 μg/g	AES/ICP	0.1982 μg/g
CP98406				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 μmol/g
	Aluminum	2160 μg/g	AES/ICP	855.6 μg/g
	Arsenic	3.68 μg/g	GFAA	0.03488 μg/g
	Cadmium	N.D.	GFAA	0.03362 μg/g
	Chromium	3.1 μg/g	AES/ICP	0.2907 μg/g
	Copper	0.678 μg/g	AES/ICP	0.2907 μg/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma;
GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
	Iron	2840 µg/g	AES/ICP	11.63 µg/g
	Lead	2.19 µg/g	GFAA	0.157 µg/g
	Manganese	39.7 µg/g	AES/ICP	0.0969 µg/g
	Mercury	N.D.	CVAA	0.01434 µg/g
	Nickel	N.D.	AES/ICP	1.841 µg/g
	Selenium	N.D.	GFAA	0.03246 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.0003338 µmol/g
	SEM - Copper	0.00207 µmol/g	AES/ICP	0.0008858 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.006249 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.006074 µmol/g
	SEM - Zinc	0.122 µmol/g	AES/ICP	0.0005739 µmol/g
	Silver	N.D.	GFAA	0.01977 µg/g
	Tin	N.D.	AES/ICP	7.558 µg/g
	Zinc	13 µg/g	AES/ICP	0.1938 µg/g
CP98407				
	Acid Volatile Sulfide	1.12 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	60100 µg/g	AES/ICP	883.2 µg/g
	Arsenic	6.44 µg/g	GFAA	0.03601 µg/g
	Cadmium	0.151 µg/g	GFAA	0.03471 µg/g
	Chromium	39.7 µg/g	AES/ICP	0.3001 µg/g
	Copper	20.6 µg/g	AES/ICP	0.3001 µg/g
	Iron	32900 µg/g	AES/ICP	12 µg/g
	Lead	44.1 µg/g	GFAA	0.162 µg/g
	Manganese	344 µg/g	AES/ICP	0.1 µg/g
	Mercury	0.171 µg/g	CVAA	0.02927 µg/g
	Nickel	18.5 µg/g	AES/ICP	1.9 µg/g
	Selenium	1.25 µg/g	GFAA	0.03351 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.002417 µmol/g
	SEM - Copper	N.D.	AES/ICP	0.006412 µmol/g
	SEM - Lead	0.0754 µmol/g	AES/ICP	0.04523 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.04397 µmol/g
	SEM - Zinc	0.546 µmol/g	AES/ICP	0.004154 µmol/g
	Silver	0.088 µg/g	GFAA	0.0204 µg/g
	Tin	43.4 µg/g	AES/ICP	7.802 µg/g
	Zinc	84.5 µg/g	AES/ICP	0.2 µg/g
CP98408				
	Acid Volatile Sulfide	2.55 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	2125 µg/g	AES/ICP	835.6 µg/g
	Arsenic	4.5 µg/g	GFAA	0.034065 µg/g
	Cadmium	N.D.	GFAA	0.032835 µg/g
	Chromium	2.795 µg/g	AES/ICP	0.2839 µg/g
	Copper	1.565 µg/g	AES/ICP	0.2839 µg/g
	Iron	3395 µg/g	AES/ICP	11.355 µg/g
	Lead	2.21 µg/g	GFAA	0.1533 µg/g
	Manganese	96.4 µg/g	AES/ICP	0.09463 µg/g
	Mercury	N.D.	CVAA	0.02462 µg/g
	Nickel	N.D.	AES/ICP	1.798 µg/g
	Selenium	N.D.	GFAA	0.0317 µg/g
	SEM - Cadmium	0.0904 µmol/g	AES/ICP	0.002127 µmol/g
	SEM - Copper	0.34 µmol/g	AES/ICP	0.005643 µmol/g
	SEM - Lead	0.0906 µmol/g	AES/ICP	0.0398 µmol/g
	SEM - Nickel	0.33 µmol/g	AES/ICP	0.03869 µmol/g
	SEM - Zinc	1.4 µmol/g	AES/ICP	0.003656 µmol/g
	Silver	0.02605 µg/g	GFAA	0.019305 µg/g
	Tin	N.D.	AES/ICP	7.3815 µg/g
	Zinc	8.985 µg/g	AES/ICP	0.18925 µg/g
CP98409				
	Acid Volatile Sulfide	3.6 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	6470 µg/g	AES/ICP	843.5 µg/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
	Arsenic	1.35 µg/g	GFAA	0.03439 µg/g
	Cadmium	0.0573 µg/g	GFAA	0.03315 µg/g
	Chromium	6.02 µg/g	AES/ICP	0.2866 µg/g
	Copper	2.39 µg/g	AES/ICP	0.2866 µg/g
	Iron	4330 µg/g	AES/ICP	11.46 µg/g
	Lead	5.69 µg/g	GFAA	0.1548 µg/g
	Manganese	60.1 µg/g	AES/ICP	0.09553 µg/g
	Mercury	N.D.	CVAA	0.01153 µg/g
	Nickel	N.D.	AES/ICP	1.815 µg/g
	Selenium	0.0583 µg/g	GFAA	0.032 µg/g
	SEM - Cadmium	0.0754 µmol/g	AES/ICP	0.001908 µmol/g
	SEM - Copper	0.278 µmol/g	AES/ICP	0.005062 µmol/g
	SEM - Lead	0.0999 µmol/g	AES/ICP	0.03571 µmol/g
	SEM - Nickel	0.254 µmol/g	AES/ICP	0.03471 µmol/g
	SEM - Zinc	1.29 µmol/g	AES/ICP	0.00328 µmol/g
	Silver	0.021 µg/g	GFAA	0.01949 µg/g
	Tin	N.D.	AES/ICP	7.451 µg/g
	Zinc	16.4 µg/g	AES/ICP	0.1911 µg/g
CP98410				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 µmol/g
	Aluminum	67050 µg/g	AES/ICP	838.2 µg/g
	Arsenic	8.63 µg/g	GFAA	0.034175 µg/g
	Cadmium	0.698 µg/g	GFAA	0.032935 µg/g
	Chromium	58.95 µg/g	AES/ICP	0.28475 µg/g
	Copper	28.3 µg/g	AES/ICP	0.28475 µg/g
	Iron	42350 µg/g	AES/ICP	11.39 µg/g
	Lead	47.55 µg/g	GFAA	0.15375 µg/g
	Manganese	443 µg/g	AES/ICP	0.094925 µg/g
	Mercury	10.45 µg/g	CVAA	0.06654 µg/g
	Nickel	11.72 µg/g	AES/ICP	1.8035 µg/g
	Selenium	0.52 µg/g	GFAA	0.0318 µg/g
	SEM - Cadmium	0.5845 µmol/g	AES/ICP	0.037115 µmol/g
	SEM - Copper	2.36 µmol/g	AES/ICP	0.09848 µmol/g
	SEM - Lead	1.95 µmol/g	AES/ICP	0.6949 µmol/g
	SEM - Nickel	1.63 µmol/g	AES/ICP	0.6753 µmol/g
	SEM - Zinc	13 µmol/g	AES/ICP	0.063805 µmol/g
	Silver	17.009 µg/g	GFAA	0.019365 µg/g
	Tin	101.85 µg/g	AES/ICP	7.404 µg/g
	Zinc	131 µg/g	AES/ICP	0.18985 µg/g
CP98411				
	Acid Volatile Sulfide	23.9 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	71400 µg/g	AES/ICP	871.7 µg/g
	Arsenic	12.1 µg/g	GFAA	0.03554 µg/g
	Cadmium	0.601 µg/g	GFAA	0.03425 µg/g
	Chromium	61.3 µg/g	AES/ICP	0.2962 µg/g
	Copper	28.3 µg/g	AES/ICP	0.2962 µg/g
	Iron	45200 µg/g	AES/ICP	11.85 µg/g
	Lead	52 µg/g	GFAA	0.1599 µg/g
	Manganese	604 µg/g	AES/ICP	0.09872 µg/g
	Mercury	N.D.	CVAA	0.06146 µg/g
	Nickel	22.7 µg/g	AES/ICP	1.876 µg/g
	Selenium	0.601 µg/g	GFAA	0.03307 µg/g
	SEM - Cadmium	0.632 µmol/g	AES/ICP	0.01733 µmol/g
	SEM - Copper	2.5 µmol/g	AES/ICP	0.04597 µmol/g
	SEM - Lead	0.926 µmol/g	AES/ICP	0.3243 µmol/g
	SEM - Nickel	2.32 µmol/g	AES/ICP	0.3152 µmol/g
	SEM - Zinc	10.7 µmol/g	AES/ICP	0.02978 µmol/g
	Silver	0.237 µg/g	GFAA	0.02014 µg/g
	Tin	30.3 µg/g	AES/ICP	7.7 µg/g
	Zinc	160 µg/g	AES/ICP	0.1974 µg/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
CP98412				
	Acid Volatile Sulfide	3.1 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	8590 µg/g	AES/ICP	835.2 µg/g
	Arsenic	3.33 µg/g	GFAA	0.03405 µg/g
	Cadmium	0.0823 µg/g	GFAA	0.03282 µg/g
	Chromium	10.9 µg/g	AES/ICP	0.2838 µg/g
	Copper	3.41 µg/g	AES/ICP	0.2838 µg/g
	Iron	7250 µg/g	AES/ICP	11.35 µg/g
	Lead	8.61 µg/g	GFAA	0.1532 µg/g
	Manganese	88.3 µg/g	AES/ICP	0.09459 µg/g
	Mercury	N.D.	CVAA	0.02093 µg/g
	Nickel	2.46 µg/g	AES/ICP	1.797 µg/g
	Selenium	0.126 µg/g	GFAA	0.03169 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.00737 µmol/g
	SEM - Copper	N.D.	AES/ICP	0.01956 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.1379 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.1341 µmol/g
	SEM - Zinc	0.323 µmol/g	AES/ICP	0.01267 µmol/g
	Silver	0.0369 µg/g	GFAA	0.0193 µg/g
	Tin	N.D.	AES/ICP	7.378 µg/g
	Zinc	29.4 µg/g	AES/ICP	0.1892 µg/g
CP98413				
	Acid Volatile Sulfide	0.65 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	N.D.	AES/ICP	788.7 µg/g
	Arsenic	0.545 µg/g	GFAA	0.03215 µg/g
	Cadmium	N.D.	GFAA	0.03099 µg/g
	Chromium	0.804 µg/g	AES/ICP	0.268 µg/g
	Copper	N.D.	AES/ICP	0.268 µg/g
	Iron	406 µg/g	AES/ICP	10.72 µg/g
	Lead	0.518 µg/g	GFAA	0.1447 µg/g
	Manganese	12.5 µg/g	AES/ICP	0.08932 µg/g
	Mercury	N.D.	CVAA	0.01134 µg/g
	Nickel	N.D.	AES/ICP	1.697 µg/g
	Selenium	N.D.	GFAA	0.02992 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.001157 µmol/g
	SEM - Copper	N.D.	AES/ICP	0.0030695 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.02165 µmol/g
	SEM - Nickel	0.0137 µmol/g	AES/ICP	0.02105 µmol/g
	SEM - Zinc	0.0348 µmol/g	AES/ICP	0.0019885 µmol/g
	Silver	N.D.	GFAA	0.01822 µg/g
	Tin	0.78 µg/g	AES/ICP	6.967 µg/g
	Zinc	0.94 µg/g	AES/ICP	0.1786 µg/g
CP98414				
	Acid Volatile Sulfide	0.117 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	N.D.	AES/ICP	836.6 µg/g
	Arsenic	0.0758 µg/g	GFAA	0.03411 µg/g
	Cadmium	N.D.	GFAA	0.03288 µg/g
	Chromium	0.853 µg/g	AES/ICP	0.2843 µg/g
	Copper	N.D.	AES/ICP	0.2843 µg/g
	Iron	366 µg/g	AES/ICP	11.37 µg/g
	Lead	0.625 µg/g	GFAA	0.1535 µg/g
	Manganese	23 µg/g	AES/ICP	0.09475 µg/g
	Mercury	N.D.	CVAA	0.01184 µg/g
	Nickel	N.D.	AES/ICP	1.8 µg/g
	Selenium	N.D.	GFAA	0.03174 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.0003474 µmol/g
	SEM - Copper	0.00215 µmol/g	AES/ICP	0.0009217 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.006502 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.00632 µmol/g
	SEM - Zinc	0.0251 µmol/g	AES/ICP	0.0005971 µmol/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
	Silver	N.D.	GFAA	0.01933 µg/g
	Tin	N.D.	AES/ICP	7.391 µg/g
	Zinc	1.8 µg/g	AES/ICP	0.1895 µg/g
CP98415				
	Acid Volatile Sulfide	0.173 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	2370 µg/g	AES/ICP	859.8 µg/g
	Arsenic	0.282 µg/g	GFAA	0.03505 µg/g
	Cadmium	N.D.	GFAA	0.03379 µg/g
	Chromium	2.53 µg/g	AES/ICP	0.2921 µg/g
	Copper	0.779 µg/g	AES/ICP	0.2921 µg/g
	Iron	1220 µg/g	AES/ICP	11.68 µg/g
	Lead	2.98 µg/g	GFAA	0.1577 µg/g
	Manganese	44.4 µg/g	AES/ICP	0.09737 µg/g
	Mercury	N.D.	CVAA	0.01164 µg/g
	Nickel	N.D.	AES/ICP	1.85 µg/g
	Selenium	N.D.	GFAA	0.03262 µg/g
	SEM - Cadmium	0.00325 µmol/g	AES/ICP	0.0007223 µmol/g
	SEM - Copper	N.D.	AES/ICP	0.001917 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.01352 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.01314 µmol/g
	SEM - Zinc	0.013 µmol/g	AES/ICP	0.001242 µmol/g
	Silver	N.D.	GFAA	0.01986 µg/g
	Tin	N.D.	AES/ICP	7.595 µg/g
	Zinc	4.48 µg/g	AES/ICP	0.1947 µg/g
CP98416				
	Acid Volatile Sulfide	20.412 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	59000 µg/g	AES/ICP	869.1 µg/g
	Arsenic	9.31 µg/g	GFAA	0.03543 µg/g
	Cadmium	0.334 µg/g	GFAA	0.03415 µg/g
	Chromium	54 µg/g	AES/ICP	0.2953 µg/g
	Copper	19.5 µg/g	AES/ICP	0.2953 µg/g
	Iron	34900 µg/g	AES/ICP	11.81 µg/g
	Lead	35.8 µg/g	GFAA	0.1594 µg/g
	Manganese	874 µg/g	AES/ICP	0.09843 µg/g
	Mercury	N.D.	CVAA	0.04671 µg/g
	Nickel	19.8 µg/g	AES/ICP	1.87 µg/g
	Selenium	0.64 µg/g	GFAA	0.03297 µg/g
	SEM - Cadmium	1.306 µmol/g	AES/ICP	0.02768 µmol/g
	SEM - Copper	1.295 µmol/g	AES/ICP	0.073425 µmol/g
	SEM - Lead	1.03 µmol/g	AES/ICP	0.5181 µmol/g
	SEM - Nickel	4.235 µmol/g	AES/ICP	0.50365 µmol/g
	SEM - Zinc	10.6 µmol/g	AES/ICP	0.047585 µmol/g
	Silver	0.0827 µg/g	GFAA	0.02008 µg/g
	Tin	58.15 µg/g	AES/ICP	7.677 µg/g
	Zinc	54.5595 µg/g	AES/ICP	0.1969 µg/g
CP98417				
	Acid Volatile Sulfide	19.9 µmol/g	SPECTRO	0.094 µmol/g
	Aluminum	46600 µg/g	AES/ICP	846.4 µg/g
	Arsenic	9.62 µg/g	GFAA	0.03451 µg/g
	Cadmium	0.225 µg/g	GFAA	0.03326 µg/g
	Chromium	43.7 µg/g	AES/ICP	0.2876 µg/g
	Copper	13.4 µg/g	AES/ICP	0.2876 µg/g
	Iron	29300 µg/g	AES/ICP	11.5 µg/g
	Lead	28.3 µg/g	GFAA	0.1553 µg/g
	Manganese	496 µg/g	AES/ICP	0.09586 µg/g
	Mercury	0.0348 µg/g	CVAA	0.03 µg/g
	Nickel	16.5 µg/g	AES/ICP	1.821 µg/g
	Selenium	0.514 µg/g	GFAA	0.03211 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.01276 µmol/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
	SEM - Copper	0.0677 µmol/g	AES/ICP	0.03385 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.2388 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.2321 µmol/g
	SEM - Zinc	0.888 µmol/g	AES/ICP	0.02193 µmol/g
	Silver	0.0355 µg/g	GFAA	0.01956 µg/g
	Tin	29 µg/g	AES/ICP	7.477 µg/g
	Zinc	79.8 µg/g	AES/ICP	0.1917 µg/g
CP98418				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 µmol/g
	Aluminum	N.D.	AES/ICP	844.2 µg/g
	Arsenic	8.97 µg/g	GFAA	0.03442 µg/g
	Cadmium	N.D.	GFAA	0.03317 µg/g
	Chromium	1.63 µg/g	AES/ICP	0.2868 µg/g
	Copper	0.382 µg/g	AES/ICP	0.2868 µg/g
	Iron	682 µg/g	AES/ICP	11.47 µg/g
	Lead	1 µg/g	GFAA	0.1549 µg/g
	Manganese	19.2 µg/g	AES/ICP	0.0956 µg/g
	Mercury	N.D.	CVAA	0.01047 µg/g
	Nickel	N.D.	AES/ICP	1.816 µg/g
	Selenium	N.D.	GFAA	0.03203 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.0002962 µmol/g
	SEM - Copper	0.00157 µmol/g	AES/ICP	0.000786 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.005545 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.00539 µmol/g
	SEM - Zinc	0.0166 µmol/g	AES/ICP	0.0005093 µmol/g
	Silver	N.D.	GFAA	0.0195 µg/g
	Tin	N.D.	AES/ICP	7.457 µg/g
	Zinc	2.49 µg/g	AES/ICP	0.1912 µg/g
CP98419				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 µmol/g
	Aluminum	6620 µg/g	AES/ICP	882.5 µg/g
	Arsenic	1.79 µg/g	GFAA	0.03598 µg/g
	Cadmium	N.D.	GFAA	0.03468 µg/g
	Chromium	7.7 µg/g	AES/ICP	0.2998 µg/g
	Copper	1.7 µg/g	AES/ICP	0.2998 µg/g
	Iron	4430 µg/g	AES/ICP	11.99 µg/g
	Lead	5.23 µg/g	GFAA	0.1619 µg/g
	Manganese	58.3 µg/g	AES/ICP	0.09994 µg/g
	Mercury	N.D.	CVAA	0.01568 µg/g
	Nickel	2.7 µg/g	AES/ICP	1.899 µg/g
	Selenium	0.237 µg/g	GFAA	0.03348 µg/g
	SEM - Cadmium	0.0003865 µmol/g	AES/ICP	0.00087125 µmol/g
	SEM - Copper	0.056465 µmol/g	AES/ICP	0.002312 µmol/g
	SEM - Lead	0.011 µmol/g	AES/ICP	0.0163095 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.015855 µmol/g
	SEM - Zinc	0.0877 µmol/g	AES/ICP	0.0014981 µmol/g
	Silver	1.49 µg/g	GFAA	0.02039 µg/g
	Tin	6.15 µg/g	AES/ICP	7.795 µg/g
	Zinc	6.202715 µg/g	AES/ICP	0.1999 µg/g
CP98420				
	Acid Volatile Sulfide	N.D.	SPECTRO	0.094 µmol/g
	Aluminum	N.D.	AES/ICP	858.55 µg/g
	Arsenic	0.6665 µg/g	GFAA	0.035 µg/g
	Cadmium	0.02975 µg/g	GFAA	0.033735 µg/g
	Chromium	0.8755 µg/g	AES/ICP	0.2917 µg/g
	Copper	N.D.	AES/ICP	0.2917 µg/g
	Iron	234 µg/g	AES/ICP	11.665 µg/g
	Lead	0.5935 µg/g	GFAA	0.15755 µg/g
	Manganese	16.25 µg/g	AES/ICP	0.09723 µg/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 5. (Continued).

Station	Analyte	Concentration	Method ^a	MDL ^b
	Mercury	N.D.	CVAA	0.01082 µg/g
	Nickel	N.D.	AES/ICP	1.8475 µg/g
	Selenium	N.D.	GFAA	0.03257 µg/g
	SEM - Cadmium	N.D.	AES/ICP	0.0002804 µmol/g
	SEM - Copper	0.00124 µmol/g	AES/ICP	0.0007439 µmol/g
	SEM - Lead	N.D.	AES/ICP	0.005248 µmol/g
	SEM - Nickel	N.D.	AES/ICP	0.005101 µmol/g
	SEM - Zinc	0.00747 µmol/g	AES/ICP	0.000482 µmol/g
	Silver	N.D.	GFAA	0.019835 µg/g
	Tin	N.D.	AES/ICP	7.584 µg/g
	Zinc	1.07 µg/g	AES/ICP	0.19445 µg/g

^a SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma;
GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption.

^b MDL = Method Detection Limit.

Table 6. Concentrations (ng/g dry wt.) of polynuclear aromatic hydrocarbons (PAHs) detected in bottom sediments. (N.D. = not detected).

Station	Analyte	Concentration	Method ^a	MDL
CP98401				
	1-Methylnaphthalene	6.01 ng/g	GC/MS-IT	3.392 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.133 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.579 ng/g
	2,6-Dimethylnaphthalene	3.57 ng/g	GC/MS-IT	3.159 ng/g
	2-Methylnaphthalene	10 ng/g	GC/MS-IT	4.66 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.463 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.424 ng/g
	Anthracene	N.D.	GC/MS-IT	2.926 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.447 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.182 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	4.997 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	3.78 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.126 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.272 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.334 ng/g
	Chrysene	N.D.	GC/MS-IT	1.838 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.372 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.599 ng/g
	Fluorene	N.D.	GC/MS-IT	2.356 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	7.949 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	8.61 ng/g	GC/MS-IT	8.492 ng/g
	Perylene	N.D.	GC/MS-IT	4.764 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Phenanthrene	N.D.	GC/MS-IT	2.822 ng/g
	Phenanthrene	5.23 ng/g	HPLC/FD	3 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
	Pyrene	N.D.	GC/MS-IT	2.641 ng/g
CP98402				
	1-Methylnaphthalene	8.05 ng/g	GC/MS-IT	5.09 ng/g
	1-Methylphenanthrene	5.27 ng/g	GC/MS-IT	4.701 ng/g
	2,3,5-Trimethylnaphthalene	2.38 ng/g	GC/MS-IT	2.37 ng/g
	2,6-Dimethylnaphthalene	7.86 ng/g	GC/MS-IT	4.74 ng/g
	2-Methylnaphthalene	13.1 ng/g	GC/MS-IT	6.994 ng/g
	Acenaphthene	N.D.	GC/MS-IT	8.198 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	2.137 ng/g
	Anthracene	5.88 ng/g	GC/MS-IT	4.391 ng/g
	Anthracene	9.08 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	23 ng/g	GC/MS-IT	9.675 ng/g
	Benzo[a]anthracene	27.3 ng/g	HPLC/FD	2 ng/g
	Benzo[a]pyrene	45 ng/g	HPLC/FD	3 ng/g
	Benzo[a]pyrene	29.9 ng/g	GC/MS-IT	12.28 ng/g
	Benzo[b]fluoranthene	43.4 ng/g	GC/MS-IT	7.499 ng/g
	Benzo[b]fluoranthene	24.1 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	29.1 ng/g	GC/MS-IT	5.673 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	7.693 ng/g
	Benzo[ghi]perylene	65.5 ng/g	HPLC/FD	2 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Benzo[k]fluoranthene	17.6 ng/g	GC/MS-IT	6.411 ng/g
	Benzo[k]fluoranthene	16.4 ng/g	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	8.004 ng/g
	Chrysene	33.7 ng/g	GC/MS-IT	2.759 ng/g
	Chrysene	23.7 ng/g	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	2.059 ng/g
	Dibenz[a,h]anthracene	597 ng/g	HPLC/FD	2 ng/g
	Fluoranthene	62.1 ng/g	HPLC/FD	2 ng/g
	Fluoranthene	53.5 ng/g	GC/MS-IT	5.401 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	4.34 ng/g	GC/MS-IT	3.536 ng/g
	Indeno[1,2,3-cd]pyrene	19.9 ng/g	GC/MS-IT	11.93 ng/g
	Indeno[1,2,3-cd]pyrene	24.6 ng/g	HPLC/FD	5 ng/g
	Naphthalene	N.D.	GC/MS-IT	12.74 ng/g
	Perylene	381 ng/g	GC/MS-IT	7.149 ng/g
	Perylene	405 ng/g	HPLC/FD	2 ng/g
	Phenanthrene	36.4 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	28.2 ng/g	GC/MS-IT	4.235 ng/g
	Pyrene	85.7 ng/g	HPLC/FD	2 ng/g
	Pyrene	68.8 ng/g	GC/MS-IT	3.963 ng/g
CP98403				
	1-Methylnaphthalene	7.56 ng/g	GC/MS-IT	3.489 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.223 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.625 ng/g
	2,6-Dimethylnaphthalene	4.62 ng/g	GC/MS-IT	3.25 ng/g
	2-Methylnaphthalene	12.5 ng/g	GC/MS-IT	4.795 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.62 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.465 ng/g
	Anthracene	N.D.	GC/MS-IT	3.01 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.633 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.417 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.141 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	3.889 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.274 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.395 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.487 ng/g
	Chrysene	N.D.	GC/MS-IT	1.891 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.412 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.703 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluorene	N.D.	GC/MS-IT	2.424 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.178 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	11.6 ng/g	GC/MS-IT	8.737 ng/g
	Perylene	N.D.	GC/MS-IT	4.901 ng/g
	Perylene	4.5 ng/g	HPLC/FD	2 ng/g
	Phenanthrene	5.77 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	N.D.	GC/MS-IT	2.903 ng/g
	Pyrene	N.D.	GC/MS-IT	2.717 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
CP98404				
	1-Methylnaphthalene	4.91 ng/g	GC/MS-IT	3.603 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.328 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.678 ng/g
	2,6-Dimethylnaphthalene	N.D.	GC/MS-IT	3.355 ng/g
	2-Methylnaphthalene	7.89 ng/g	GC/MS-IT	4.95 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.803 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.513 ng/g
	Anthracene	N.D.	GC/MS-IT	3.108 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.848 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.691 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.308 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.015 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.445 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.538 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.665 ng/g
	Chrysene	N.D.	GC/MS-IT	1.953 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.458 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.823 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluorene	N.D.	GC/MS-IT	2.503 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.443 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	N.D.	GC/MS-IT	9.021 ng/g
	Perylene	N.D.	GC/MS-IT	5.06 ng/g
	Perylene	3.69 ng/g	HPLC/FD	2 ng/g
	Phenanthrene	4.45 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	N.D.	GC/MS-IT	2.998 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
	Pyrene	N.D.	GC/MS-IT	2.805 ng/g
CP98405				
	1-Methylnaphthalene	6.24 ng/g	GC/MS-IT	3.408 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.148 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.587 ng/g
	2,6-Dimethylnaphthalene	3.52 ng/g	GC/MS-IT	3.174 ng/g
	2-Methylnaphthalene	9.04 ng/g	GC/MS-IT	4.683 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.489 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.431 ng/g
	Anthracene	N.D.	GC/MS-IT	2.94 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.478 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.221 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.021 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	3.798 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.151 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.293 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.359 ng/g
	Chrysene	N.D.	GC/MS-IT	1.847 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.379 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.616 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	2.367 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	7.987 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	N.D.	GC/MS-IT	8.533 ng/g
	Perylene	7.2 ng/g	HPLC/FD	2 ng/g
	Perylene	4.88 ng/g	GC/MS-IT	4.787 ng/g
	Phenanthrene	N.D.	GC/MS-IT	2.836 ng/g
	Phenanthrene	4.81 ng/g	HPLC/FD	3 ng/g
	Pyrene	N.D.	GC/MS-IT	2.654 ng/g
	Pyrene	2.07 ng/g	HPLC/FD	2 ng/g
CP98406				
	1-Methylnaphthalene	9.37 ng/g	GC/MS-IT	3.732 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.447 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.738 ng/g
	2,6-Dimethylnaphthalene	5.24 ng/g	GC/MS-IT	3.476 ng/g
	2-Methylnaphthalene	16 ng/g	GC/MS-IT	5.128 ng/g
	Acenaphthene	N.D.	GC/MS-IT	6.012 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.567 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	3.22 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	7.094 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	9.003 ng/g
	Benzo[a]pyrene	4.81 ng/g	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.499 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.16 ng/g
	Benzo[ghi]perylene	4.46 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.641 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.701 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.869 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	N.D.	GC/MS-IT	2.023 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.51 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.96 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	2.593 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.747 ng/g
	Naphthalene	12.2 ng/g	GC/MS-IT	9.345 ng/g
	Perylene	8.51 ng/g	HPLC/FD	2 ng/g
	Perylene	9.98 ng/g	GC/MS-IT	5.242 ng/g
	Phenanthrene	N.D.	HPLC/FD	3 ng/g
	Phenanthrene	3.37 ng/g	GC/MS-IT	3.106 ng/g
	Pyrene	3.17 ng/g	HPLC/FD	2 ng/g
	Pyrene	N.D.	GC/MS-IT	2.906 ng/g
CP98407				
	1-Methylnaphthalene	N.D.	GC/MS-IT	8.271 ng/g
	1-Methylphenanthrene	310 ng/g	GC/MS-IT	7.639 ng/g
	2,3,5-Trimethylnaphthalene	32.3 ng/g	GC/MS-IT	3.851 ng/g
	2,6-Dimethylnaphthalene	N.D.	GC/MS-IT	7.703 ng/g
	2-Methylnaphthalene	N.D.	GC/MS-IT	11.36 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Acenaphthene	75.9 ng/g	GC/MS-IT	13.32 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	3.472 ng/g
	Anthracene	1210 ng/g	HPLC/FD	2.1 ng/g
	Anthracene	13 ng/g	GC/MS-IT	7.134 ng/g
	Benzo[a]anthracene	1900 ng/g	HPLC/FD	2.4 ng/g
	Benzo[a]anthracene	1790 ng/g	GC/MS-IT	15.72 ng/g
	Benzo[a]pyrene	1180 ng/g	GC/MS-IT	19.95 ng/g
	Benzo[a]pyrene	1320 ng/g	HPLC/FD	3.1 ng/g
	Benzo[b]fluoranthene	1370 ng/g	GC/MS-IT	12.19 ng/g
	Benzo[b]fluoranthene	850 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	762 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	714 ng/g	GC/MS-IT	9.218 ng/g
	Benzo[ghi]perylene	484 ng/g	GC/MS-IT	12.5 ng/g
	Benzo[ghi]perylene	702 ng/g	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	599 ng/g	GC/MS-IT	10.42 ng/g
	Benzo[k]fluoranthene	541 ng/g	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	13.01 ng/g
	Chrysene	2560 ng/g	HPLC/FD	2.9 ng/g
	Chrysene	1750 ng/g	GC/MS-IT	4.483 ng/g
	Dibenz[a,h]anthracene	109 ng/g	HPLC/FD	2.1 ng/g
	Dibenz[a,h]anthracene	113 ng/g	GC/MS-IT	3.346 ng/g
	Fluoranthene	3960 ng/g	GC/MS-IT	8.776 ng/g
	Fluoranthene	3860 ng/g	HPLC/FD	2.1 ng/g
	Fluorene	707 ng/g	HPLC/FD	2.9 ng/g
	Fluorene	202 ng/g	GC/MS-IT	5.745 ng/g
	Indeno[1,2,3-cd]pyrene	555 ng/g	GC/MS-IT	19.38 ng/g
	Indeno[1,2,3-cd]pyrene	571 ng/g	HPLC/FD	5.2 ng/g
	Naphthalene	N.D.	GC/MS-IT	20.71 ng/g
	Perylene	325 ng/g	GC/MS-IT	11.62 ng/g
	Perylene	407 ng/g	HPLC/FD	2.1 ng/g
	Phenanthrene	1100 ng/g	GC/MS-IT	6.882 ng/g
	Phenanthrene	3730 ng/g	HPLC/FD	2.6 ng/g
	Pyrene	3840 ng/g	HPLC/FD	1.6 ng/g
	Pyrene	3380 ng/g	GC/MS-IT	6.44 ng/g
CP98408				
	1-Methylnaphthalene	6.81 ng/g	GC/MS-IT	5.306 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	4.901 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	2.471 ng/g
	2,6-Dimethylnaphthalene	N.D.	GC/MS-IT	4.942 ng/g
	2-Methylnaphthalene	10.2 ng/g	GC/MS-IT	7.291 ng/g
	Acenaphthene	N.D.	GC/MS-IT	8.547 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	2.228 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	4.577 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	10.09 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	12.8 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	7.817 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	5.914 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	16.4 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	8.02 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	6.683 ng/g
	Biphenyl	N.D.	GC/MS-IT	8.344 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	N.D.	GC/MS-IT	2.876 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	2.147 ng/g
	Fluoranthene	N.D.	GC/MS-IT	5.63 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Fluorene	N.D.	GC/MS-IT	3.686 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	12.44 ng/g
	Naphthalene	N.D.	GC/MS-IT	13.29 ng/g
	Perylene	63.8 ng/g	GC/MS-IT	7.453 ng/g
	Perylene	64.1 ng/g	HPLC/FD	2 ng/g
	Phenanthrene	N.D.	HPLC/FD	3 ng/g
	Phenanthrene	4.54 ng/g	GC/MS-IT	4.415 ng/g
	Pyrene	4.18 ng/g	GC/MS-IT	4.132 ng/g
	Pyrene	5.4 ng/g	HPLC/FD	2 ng/g
CP98409				
	1-Methylnaphthalene	5.72 ng/g	GC/MS-IT	4.349 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	4.017 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	2.025 ng/g
	2,6-Dimethylnaphthalene	N.D.	GC/MS-IT	4.05 ng/g
	2-Methylnaphthalene	8.84 ng/g	GC/MS-IT	5.975 ng/g
	Acenaphthene	N.D.	GC/MS-IT	7.004 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.826 ng/g
	Anthracene	N.D.	GC/MS-IT	3.751 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	4.71 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	8.266 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	10.49 ng/g
	Benzo[a]pyrene	8.68 ng/g	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	6.34 ng/g	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	6.87 ng/g	GC/MS-IT	6.407 ng/g
	Benzo[e]pyrene	5.15 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	5.82 ng/g	GC/MS-IT	4.847 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	6.573 ng/g
	Benzo[ghi]perylene	9.65 ng/g	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	4.05 ng/g	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	5.477 ng/g
	Biphenyl	N.D.	GC/MS-IT	6.838 ng/g
	Chrysene	3.54 ng/g	HPLC/FD	3 ng/g
	Chrysene	4.26 ng/g	GC/MS-IT	2.357 ng/g
	Dibenz[a,h]anthracene	1.98 ng/g	GC/MS-IT	1.759 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	6.65 ng/g	GC/MS-IT	4.614 ng/g
	Fluoranthene	7.82 ng/g	HPLC/FD	2 ng/g
	Fluorene	N.D.	GC/MS-IT	3.021 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	10.19 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	N.D.	GC/MS-IT	10.89 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Perylene	7.86 ng/g	GC/MS-IT	6.108 ng/g
	Phenanthrene	8.92 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	5.53 ng/g	GC/MS-IT	3.618 ng/g
	Pyrene	8.18 ng/g	GC/MS-IT	3.386 ng/g
	Pyrene	10.5 ng/g	HPLC/FD	2 ng/g
CP98410				
	1-Methylnaphthalene	27.9 ng/g	GC/MS-IT	13.18 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	12.17 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	6.136 ng/g
	2,6-Dimethylnaphthalene	17.7 ng/g	GC/MS-IT	12.27 ng/g
	2-Methylnaphthalene	47.5 ng/g	GC/MS-IT	18.11 ng/g
	Acenaphthene	N.D.	GC/MS-IT	21.23 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	5.533 ng/g
	Anthracene	13.4 ng/g	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	11.37 ng/g
	Benzo[a]anthracene	68.4 ng/g	HPLC/FD	2 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Benzo[a]anthracene	54.8 ng/g	GC/MS-IT	25.05 ng/g
	Benzo[a]pyrene	68.5 ng/g	GC/MS-IT	31.79 ng/g
	Benzo[a]pyrene	72 ng/g	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	99.8 ng/g	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	114 ng/g	GC/MS-IT	19.42 ng/g
	Benzo[e]pyrene	52.7 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	63.6 ng/g	GC/MS-IT	14.69 ng/g
	Benzo[ghi]perylene	93 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	54.5 ng/g	GC/MS-IT	19.92 ng/g
	Benzo[k]fluoranthene	54.4 ng/g	GC/MS-IT	16.6 ng/g
	Benzo[k]fluoranthene	62.6 ng/g	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	20.72 ng/g
	Chrysene	87.4 ng/g	GC/MS-IT	7.142 ng/g
	Chrysene	78.2 ng/g	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	11.7 ng/g	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	5.332 ng/g
	Fluoranthene	186 ng/g	HPLC/FD	2 ng/g
	Fluoranthene	162 ng/g	GC/MS-IT	13.98 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	9.39 ng/g	GC/MS-IT	9.154 ng/g
	Indeno[1,2,3-cd]pyrene	100 ng/g	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	69.8 ng/g	GC/MS-IT	30.88 ng/g
	Naphthalene	43.5 ng/g	GC/MS-IT	33 ng/g
	Perylene	267 ng/g	GC/MS-IT	18.51 ng/g
	Perylene	319 ng/g	HPLC/FD	2 ng/g
	Phenanthrene	81.8 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	67.5 ng/g	GC/MS-IT	10.97 ng/g
	Pyrene	174 ng/g	HPLC/FD	2 ng/g
	Pyrene	164 ng/g	GC/MS-IT	10.26 ng/g
CP98411				
	1-Methylnaphthalene	33.2 ng/g	GC/MS-IT	13.6 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	12.56 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	6.331 ng/g
	2,6-Dimethylnaphthalene	22.7 ng/g	GC/MS-IT	12.66 ng/g
	2-Methylnaphthalene	50.9 ng/g	GC/MS-IT	18.68 ng/g
	Acenaphthene	N.D.	GC/MS-IT	21.9 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	5.709 ng/g
	Anthracene	N.D.	GC/MS-IT	11.73 ng/g
	Anthracene	6.11 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	27.8 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	25.84 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	32.8 ng/g
	Benzo[a]pyrene	31.1 ng/g	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	49.1 ng/g	GC/MS-IT	20.03 ng/g
	Benzo[b]fluoranthene	43.9 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	30.8 ng/g	GC/MS-IT	15.15 ng/g
	Benzo[e]pyrene	27.2 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	20.55 ng/g
	Benzo[ghi]perylene	33.5 ng/g	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	25.6 ng/g	GC/MS-IT	17.13 ng/g
	Benzo[k]fluoranthene	25.5 ng/g	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	21.38 ng/g
	Chrysene	29.4 ng/g	GC/MS-IT	7.369 ng/g
	Chrysene	55.8 ng/g	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	5.501 ng/g
	Dibenz[a,h]anthracene	7.07 ng/g	HPLC/FD	2 ng/g
	Fluoranthene	65.3 ng/g	GC/MS-IT	14.43 ng/g
	Fluoranthene	83 ng/g	HPLC/FD	2 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	9.445 ng/g
	Indeno[1,2,3-cd]pyrene	49.4 ng/g	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	38.8 ng/g	GC/MS-IT	31.86 ng/g
	Naphthalene	49.9 ng/g	GC/MS-IT	34.04 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Perylene	58.1 ng/g	GC/MS-IT	19.1 ng/g
	Perylene	71.6 ng/g	HPLC/FD	2 ng/g
	Phenanthrene	32.1 ng/g	GC/MS-IT	11.31 ng/g
	Phenanthrene	46.3 ng/g	HPLC/FD	3 ng/g
	Pyrene	80 ng/g	HPLC/FD	2 ng/g
	Pyrene	76.5 ng/g	GC/MS-IT	10.59 ng/g
CP98412				
	1-Methylnaphthalene	6.95 ng/g	GC/MS-IT	4.365 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	4.032 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	2.032 ng/g
	2,6-Dimethylnaphthalene	N.D.	GC/MS-IT	4.065 ng/g
	2-Methylnaphthalene	10.6 ng/g	GC/MS-IT	5.997 ng/g
	Acenaphthene	N.D.	GC/MS-IT	7.03 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.833 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	3.765 ng/g
	Benzo[a]anthracene	2.02 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	8.297 ng/g
	Benzo[a]pyrene	4.32 ng/g	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	10.53 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	6.431 ng/g
	Benzo[b]fluoranthene	3.38 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.865 ng/g
	Benzo[e]pyrene	2.16 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	6.597 ng/g
	Benzo[ghi]perylene	5.89 ng/g	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	5.498 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	6.864 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	2.44 ng/g	GC/MS-IT	2.366 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.766 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	6.59 ng/g	HPLC/FD	2 ng/g
	Fluoranthene	5.51 ng/g	GC/MS-IT	4.631 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	3.032 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	10.23 ng/g
	Naphthalene	N.D.	GC/MS-IT	10.93 ng/g
	Perylene	5.96 ng/g	HPLC/FD	2 ng/g
	Perylene	7.22 ng/g	GC/MS-IT	6.131 ng/g
	Phenanthrene	8.55 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	5.05 ng/g	GC/MS-IT	3.632 ng/g
	Pyrene	6.76 ng/g	HPLC/FD	2 ng/g
	Pyrene	6.31 ng/g	GC/MS-IT	3.399 ng/g
CP98413				
	1-Methylnaphthalene	5.92 ng/g	GC/MS-IT	3.749 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.463 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.746 ng/g
	2,6-Dimethylnaphthalene	4.16 ng/g	GC/MS-IT	3.492 ng/g
	2-Methylnaphthalene	10.2 ng/g	GC/MS-IT	5.152 ng/g
	Acenaphthene	N.D.	GC/MS-IT	6.039 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.574 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	3.234 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	7.127 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	9.044 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.524 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.179 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.667 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.722 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.896 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	N.D.	GC/MS-IT	2.032 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.517 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.978 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	2.605 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.787 ng/g
	Naphthalene	N.D.	GC/MS-IT	9.388 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Perylene	N.D.	GC/MS-IT	5.266 ng/g
	Phenanthrene	5.52 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	3.27 ng/g	GC/MS-IT	3.12 ng/g
	Pyrene	N.D.	GC/MS-IT	2.919 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
CP98414				
	1-Methylnaphthalene	5.95 ng/g	GC/MS-IT	3.373 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.115 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.571 ng/g
	2,6-Dimethylnaphthalene	3.71 ng/g	GC/MS-IT	3.141 ng/g
	2-Methylnaphthalene	9.36 ng/g	GC/MS-IT	4.635 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.433 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.416 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	2.909 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.411 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.136 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	4.969 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	3.759 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.098 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.248 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.304 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	N.D.	GC/MS-IT	1.828 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.365 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.579 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluorene	N.D.	GC/MS-IT	2.343 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	7.905 ng/g
	Naphthalene	N.D.	GC/MS-IT	8.445 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Perylene	N.D.	GC/MS-IT	4.738 ng/g
	Phenanthrene	3.22 ng/g	GC/MS-IT	2.807 ng/g
	Phenanthrene	5.23 ng/g	HPLC/FD	3 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Pyrene	N.D.	GC/MS-IT	2.626 ng/g
CP98415				
	1-Methylnaphthalene	9.84 ng/g	GC/MS-IT	3.772 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.484 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.756 ng/g
	2,6-Dimethylnaphthalene	5.95 ng/g	GC/MS-IT	3.513 ng/g
	2-Methylnaphthalene	17 ng/g	GC/MS-IT	5.183 ng/g
	Acenaphthene	N.D.	GC/MS-IT	6.076 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.584 ng/g
	Anthracene	N.D.	GC/MS-IT	3.254 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	7.17 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	9.099 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.557 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.204 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.701 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.751 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.932 ng/g
	Chrysene	N.D.	GC/MS-IT	2.044 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.526 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	4.002 ng/g
	Fluoranthene	2.28 ng/g	HPLC/FD	2 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	2.62 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.84 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	12.6 ng/g	GC/MS-IT	9.444 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Perylene	N.D.	GC/MS-IT	5.298 ng/g
	Phenanthrene	8.26 ng/g	HPLC/FD	3 ng/g
	Phenanthrene	4.83 ng/g	GC/MS-IT	3.139 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
	Pyrene	N.D.	GC/MS-IT	2.937 ng/g
CP98416				
	1-Methylnaphthalene	41.2 ng/g	GC/MS-IT	14.26 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	13.17 ng/g
	2,3,5-Trimethylnaphthalene	6.65 ng/g	GC/MS-IT	6.642 ng/g
	2,6-Dimethylnaphthalene	21 ng/g	GC/MS-IT	13.28 ng/g
	2-Methylnaphthalene	63.9 ng/g	GC/MS-IT	19.6 ng/g
	Acenaphthene	N.D.	GC/MS-IT	22.97 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	5.988 ng/g
	Anthracene	N.D.	GC/MS-IT	12.3 ng/g
	Anthracene	7.58 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	12.2 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	27.11 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	34.41 ng/g
	Benzo[a]pyrene	17.6 ng/g	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	26.4 ng/g	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	25.1 ng/g	GC/MS-IT	21.01 ng/g
	Benzo[e]pyrene	20.1 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	17 ng/g	GC/MS-IT	15.9 ng/g
	Benzo[ghi]perylene	30.5 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	21.56 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	17.97 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Benzo[k]fluoranthene	13.8 ng/g	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	22.43 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	16.8 ng/g	GC/MS-IT	7.731 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	5.771 ng/g
	Fluoranthene	35.9 ng/g	GC/MS-IT	15.13 ng/g
	Fluoranthene	50.6 ng/g	HPLC/FD	2 ng/g
	Fluorene	N.D.	GC/MS-IT	9.908 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	23.1 ng/g	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	33.43 ng/g
	Naphthalene	54.9 ng/g	GC/MS-IT	35.71 ng/g
	Perylene	68.1 ng/g	HPLC/FD	2 ng/g
	Perylene	44.9 ng/g	GC/MS-IT	20.03 ng/g
	Phenanthrene	24.6 ng/g	GC/MS-IT	11.87 ng/g
	Phenanthrene	45.7 ng/g	HPLC/FD	3 ng/g
	Pyrene	38.6 ng/g	GC/MS-IT	11.11 ng/g
	Pyrene	42.4 ng/g	HPLC/FD	2 ng/g
CP98417				
	1-Methylnaphthalene	15.6 ng/g	GC/MS-IT	8.388 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	7.747 ng/g
	2,3,5-Trimethylnaphthalene	4.77 ng/g	GC/MS-IT	3.906 ng/g
	2,6-Dimethylnaphthalene	9.97 ng/g	GC/MS-IT	7.811 ng/g
	2-Methylnaphthalene	25 ng/g	GC/MS-IT	11.52 ng/g
	Acenaphthene	N.D.	GC/MS-IT	13.51 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	3.522 ng/g
	Anthracene	N.D.	GC/MS-IT	7.235 ng/g
	Anthracene	6.47 ng/g	HPLC/FD	2 ng/g
	Benzo[a]anthracene	23.5 ng/g	GC/MS-IT	15.94 ng/g
	Benzo[a]anthracene	27.8 ng/g	HPLC/FD	2 ng/g
	Benzo[a]pyrene	28.1 ng/g	GC/MS-IT	20.23 ng/g
	Benzo[a]pyrene	93.2 ng/g	HPLC/FD	3 ng/g
	Benzo[b]fluoranthene	32.7 ng/g	GC/MS-IT	12.36 ng/g
	Benzo[b]fluoranthene	24.5 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	18.9 ng/g	GC/MS-IT	9.348 ng/g
	Benzo[e]pyrene	16.4 ng/g	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	25.1 ng/g	GC/MS-IT	12.68 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	16.8 ng/g	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	12.6 ng/g	GC/MS-IT	10.56 ng/g
	Biphenyl	N.D.	GC/MS-IT	13.19 ng/g
	Chrysene	24.9 ng/g	GC/MS-IT	4.546 ng/g
	Chrysene	26.5 ng/g	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	3.47 ng/g	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	3.393 ng/g
	Fluoranthene	47.8 ng/g	GC/MS-IT	8.9 ng/g
	Fluoranthene	54.9 ng/g	HPLC/FD	2 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	5.827 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	26.2 ng/g	GC/MS-IT	19.66 ng/g
	Naphthalene	24.3 ng/g	GC/MS-IT	21 ng/g
	Perylene	24.2 ng/g	HPLC/FD	2 ng/g
	Perylene	16.6 ng/g	GC/MS-IT	11.78 ng/g
	Phenanthrene	18.3 ng/g	GC/MS-IT	6.979 ng/g
	Phenanthrene	25 ng/g	HPLC/FD	3 ng/g
	Pyrene	93.3 ng/g	HPLC/FD	2 ng/g
	Pyrene	69.4 ng/g	GC/MS-IT	6.531 ng/g
CP98418				
	1-Methylnaphthalene	6.34 ng/g	GC/MS-IT	3.606 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.331 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	2,3,5-Trimethylnaphthalene	2.37 ng/g	GC/MS-IT	1.679 ng/g
	2,6-Dimethylnaphthalene	4.14 ng/g	GC/MS-IT	3.358 ng/g
	2-Methylnaphthalene	9.22 ng/g	GC/MS-IT	4.955 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.808 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.514 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	3.111 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.854 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.698 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.313 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.019 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.45 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.542 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.671 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	N.D.	GC/MS-IT	1.954 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.459 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.826 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Fluorene	N.D.	GC/MS-IT	2.505 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.451 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Naphthalene	N.D.	GC/MS-IT	9.029 ng/g
	Perylene	N.D.	GC/MS-IT	5.065 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Phenanthrene	3.28 ng/g	GC/MS-IT	3 ng/g
	Phenanthrene	5.36 ng/g	HPLC/FD	3 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
	Pyrene	N.D.	GC/MS-IT	2.808 ng/g
CP98419				
	1-Methylnaphthalene	6.64 ng/g	GC/MS-IT	3.799 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.509 ng/g
	2,3,5-Trimethylnaphthalene	1.78 ng/g	GC/MS-IT	1.769 ng/g
	2,6-Dimethylnaphthalene	4.39 ng/g	GC/MS-IT	3.538 ng/g
	2-Methylnaphthalene	10.9 ng/g	GC/MS-IT	5.22 ng/g
	Acenaphthene	N.D.	GC/MS-IT	6.119 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.595 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	3.277 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	7.221 ng/g
	Benzo[a]anthracene	2.81 ng/g	HPLC/FD	2 ng/g
	Benzo[a]pyrene	8.33 ng/g	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	9.164 ng/g
	Benzo[b]fluoranthene	2.57 ng/g	HPLC/FD	2 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.597 ng/g
	Benzo[e]pyrene	5.03 ng/g	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.234 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.742 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.785 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.974 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Chrysene	N.D.	GC/MS-IT	2.059 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 6. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.537 ng/g
	Fluoranthene	N.D.	GC/MS-IT	4.031 ng/g
	Fluoranthene	5.7 ng/g	HPLC/FD	2 ng/g
	Fluorene	N.D.	GC/MS-IT	2.639 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.903 ng/g
	Naphthalene	9.72 ng/g	GC/MS-IT	9.512 ng/g
	Perylene	3.22 ng/g	HPLC/FD	2 ng/g
	Perylene	N.D.	GC/MS-IT	5.336 ng/g
	Phenanthrene	5.32 ng/g	GC/MS-IT	3.161 ng/g
	Phenanthrene	7 ng/g	HPLC/FD	3 ng/g
	Pyrene	4.15 ng/g	GC/MS-IT	2.958 ng/g
	Pyrene	6.63 ng/g	HPLC/FD	2 ng/g
CP98420				
	1-Methylnaphthalene	5.59 ng/g	GC/MS-IT	3.651 ng/g
	1-Methylphenanthrene	N.D.	GC/MS-IT	3.372 ng/g
	2,3,5-Trimethylnaphthalene	N.D.	GC/MS-IT	1.7 ng/g
	2,6-Dimethylnaphthalene	3.54 ng/g	GC/MS-IT	3.4 ng/g
	2-Methylnaphthalene	8.5 ng/g	GC/MS-IT	5.016 ng/g
	Acenaphthene	N.D.	GC/MS-IT	5.88 ng/g
	Acenaphthylene	N.D.	GC/MS-IT	1.533 ng/g
	Anthracene	N.D.	HPLC/FD	2 ng/g
	Anthracene	N.D.	GC/MS-IT	3.149 ng/g
	Benzo[a]anthracene	N.D.	GC/MS-IT	6.939 ng/g
	Benzo[a]anthracene	N.D.	HPLC/FD	2 ng/g
	Benzo[a]pyrene	N.D.	HPLC/FD	3 ng/g
	Benzo[a]pyrene	N.D.	GC/MS-IT	8.806 ng/g
	Benzo[b]fluoranthene	N.D.	GC/MS-IT	5.378 ng/g
	Benzo[b]fluoranthene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	HPLC/FD	2 ng/g
	Benzo[e]pyrene	N.D.	GC/MS-IT	4.069 ng/g
	Benzo[ghi]perylene	N.D.	GC/MS-IT	5.518 ng/g
	Benzo[ghi]perylene	N.D.	HPLC/FD	2 ng/g
	Benzo[k]fluoranthene	N.D.	GC/MS-IT	4.598 ng/g
	Benzo[k]fluoranthene	N.D.	HPLC/FD	3 ng/g
	Biphenyl	N.D.	GC/MS-IT	5.741 ng/g
	Chrysene	N.D.	GC/MS-IT	1.979 ng/g
	Chrysene	N.D.	HPLC/FD	3 ng/g
	Dibenz[a,h]anthracene	N.D.	HPLC/FD	2 ng/g
	Dibenz[a,h]anthracene	N.D.	GC/MS-IT	1.477 ng/g
	Fluoranthene	N.D.	HPLC/FD	2 ng/g
	Fluoranthene	N.D.	GC/MS-IT	3.873 ng/g
	Fluorene	N.D.	GC/MS-IT	2.536 ng/g
	Fluorene	N.D.	HPLC/FD	3 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	HPLC/FD	5 ng/g
	Indeno[1,2,3-cd]pyrene	N.D.	GC/MS-IT	8.555 ng/g
	Naphthalene	N.D.	GC/MS-IT	9.14 ng/g
	Perylene	N.D.	HPLC/FD	2 ng/g
	Perylene	N.D.	GC/MS-IT	5.127 ng/g
	Phenanthrene	N.D.	GC/MS-IT	3.037 ng/g
	Phenanthrene	4.22 ng/g	HPLC/FD	3 ng/g
	Pyrene	N.D.	HPLC/FD	2 ng/g
	Pyrene	N.D.	GC/MS-IT	2.842 ng/g

^a GC/MS-IT = Gas Chromatography/Ion Trap Mass Spectrometry; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection.

Table 7. Concentrations (ng/g dry wt.) of polychlorinated biphenyls (PCBs) detected in bottom sediments. (N.D. = not detected).

Station	Analyte	Concentration	Method ^a	MDL
CP98401				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98402				
	PCB 101/90	2.75 ng/g	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	0.739 ng/g	GC/ECD	0.122 ng/g
	PCB 118	1.97 ng/g	GC/ECD	0.067 ng/g
	PCB 126	0.414 ng/g	GC/ECD	0.13 ng/g
	PCB 128	0.566 ng/g	GC/ECD	0.07 ng/g
	PCB 138/160	7.06 ng/g	GC/ECD	0.178 ng/g
	PCB 153/132	5.31 ng/g	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	1.46 ng/g	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	2.12 ng/g	GC/ECD	0.107 ng/g
	PCB 187	2.23 ng/g	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	0.603 ng/g	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	0.203 ng/g	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	0.862 ng/g	GC/ECD	0.068 ng/g
	PCB 66	2.87 ng/g	GC/ECD	0.061 ng/g
	PCB 77	7.2 ng/g	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	0.559 ng/g	GC/ECD	0.1 ng/g
CP98403				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98404				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98405				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98406				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98407				
	PCB 101/90	0 ng/g	GC/ECD	0.1 ng/g
	PCB 104	0 ng/g	GC/ECD	0.1 ng/g
	PCB 105	0 ng/g	GC/ECD	0.122 ng/g
	PCB 118	0 ng/g	GC/ECD	0.067 ng/g
	PCB 126	0.277 ng/g	GC/ECD	0.13 ng/g
	PCB 128	0 ng/g	GC/ECD	0.07 ng/g
	PCB 138/160	0 ng/g	GC/ECD	0.178 ng/g
	PCB 153/132	0 ng/g	GC/ECD	0.102 ng/g
	PCB 154	0 ng/g	GC/ECD	0.1 ng/g
	PCB 170/190	0 ng/g	GC/ECD	0.157 ng/g
	PCB 18/17	0 ng/g	GC/ECD	0.15 ng/g
	PCB 180	2.13 ng/g	GC/ECD	0.107 ng/g
	PCB 187	0.472 ng/g	GC/ECD	0.048 ng/g
	PCB 188	0 ng/g	GC/ECD	0.1 ng/g
	PCB 195/208	0 ng/g	GC/ECD	0.12 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 201	0 ng/g	GC/ECD	0.1 ng/g
	PCB 206	0.106 ng/g	GC/ECD	0.098 ng/g
	PCB 209	0.623 ng/g	GC/ECD	0.1 ng/g
	PCB 28	0 ng/g	GC/ECD	0.195 ng/g
	PCB 29	0 ng/g	GC/ECD	0.1 ng/g
	PCB 44	0 ng/g	GC/ECD	0.052 ng/g
	PCB 50	0 ng/g	GC/ECD	0.1 ng/g
	PCB 52	0 ng/g	GC/ECD	0.068 ng/g
	PCB 66	0 ng/g	GC/ECD	0.061 ng/g
	PCB 77	0 ng/g	GC/ECD	1.499 ng/g
	PCB 8/5	0.695 ng/g	GC/ECD	0.128 ng/g
	PCB 87	0 ng/g	GC/ECD	0.1 ng/g
CP98408				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98409				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98410				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98411				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	0.693 ng/g	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98412				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98413				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98414				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98415				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98416				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98417				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98418				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98419				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g
CP98420				
	PCB 101/90	N.D.	GC/ECD	0.1 ng/g
	PCB 104	N.D.	GC/ECD	0.1 ng/g
	PCB 105	N.D.	GC/ECD	0.122 ng/g
	PCB 118	N.D.	GC/ECD	0.067 ng/g
	PCB 126	N.D.	GC/ECD	0.13 ng/g
	PCB 128	N.D.	GC/ECD	0.07 ng/g
	PCB 138/160	N.D.	GC/ECD	0.178 ng/g
	PCB 153/132	N.D.	GC/ECD	0.102 ng/g
	PCB 154	N.D.	GC/ECD	0.1 ng/g
	PCB 170/190	N.D.	GC/ECD	0.157 ng/g
	PCB 18/17	N.D.	GC/ECD	0.15 ng/g
	PCB 180	N.D.	GC/ECD	0.107 ng/g
	PCB 187	N.D.	GC/ECD	0.048 ng/g
	PCB 188	N.D.	GC/ECD	0.1 ng/g
	PCB 195/208	N.D.	GC/ECD	0.12 ng/g
	PCB 201	N.D.	GC/ECD	0.1 ng/g
	PCB 206	N.D.	GC/ECD	0.098 ng/g
	PCB 209	N.D.	GC/ECD	0.1 ng/g
	PCB 28	N.D.	GC/ECD	0.195 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 7. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	PCB 29	N.D.	GC/ECD	0.1 ng/g
	PCB 44	N.D.	GC/ECD	0.052 ng/g
	PCB 50	N.D.	GC/ECD	0.1 ng/g
	PCB 52	N.D.	GC/ECD	0.068 ng/g
	PCB 66	N.D.	GC/ECD	0.061 ng/g
	PCB 77	N.D.	GC/ECD	1.499 ng/g
	PCB 8/5	N.D.	GC/ECD	0.128 ng/g
	PCB 87	N.D.	GC/ECD	0.1 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 8. Pesticide concentrations (ng/g dry wt.) in bottom sediments. (N.D. = not detected).

Station	Analyte	Concentration	Method ^a	MDL
CP98401				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98402				
	2,4'-DDD (o,p'-DDD)	1.06 ng/g	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	5.97 ng/g	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	1.81 ng/g	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	1.6 ng/g	GC/ECD	0.094 ng/g
CP98403				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	0.11 ng/g	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98404				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 8. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98405				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98406				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	0.192 ng/g	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98407				
	2,4'-DDD (o,p'-DDD)	0 ng/g	GC/ECD	0.06052 ng/g
	2,4'-DDE (o,p'-DDE)	0 ng/g	GC/ECD	0.0575 ng/g
	2,4'-DDT (o,p'-DDT)	0 ng/g	GC/ECD	0.1441 ng/g
	4,4'-DDD (p,p'-DDD)	0 ng/g	GC/ECD	0.2434 ng/g
	4,4'-DDE (p,p'-DDE)	0 ng/g	GC/ECD	0.03322 ng/g
	4,4'-DDT (p,p'-DDT)	0 ng/g	GC/ECD	0.0159 ng/g
	Aldrin	0 ng/g	GC/ECD	0.0128 ng/g
	Alpha Chlordane	0 ng/g	GC/ECD	0.08238 ng/g
	Dieldrin	0 ng/g	GC/ECD	0.1814 ng/g
	Gamma HCH (Gamma BHC or Lindane)	0 ng/g	GC/ECD	0.07598 ng/g
	Heptachlor	0 ng/g	GC/ECD	0.03992 ng/g
	Heptachlor epoxide	1.07 ng/g	GC/ECD	0.1017 ng/g
	Hexachlorobenzene (HCB)	0.0715 ng/g	GC/ECD	0.0622 ng/g
	Mirex	0 ng/g	GC/ECD	0.1569 ng/g
	trans-Nonachlor	0 ng/g	GC/ECD	0.09376 ng/g
CP98408				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 8. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98409				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98410				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	1.63 ng/g	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	1.54 ng/g	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98411				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	1.56 ng/g	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98412				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 8. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98413				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98414				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98415				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 8. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
CP98416				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98417				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98418				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98419				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 8. (Continued).

Station	Analyte	Concentration	Method ^a	MDL
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g
CP98420				
	2,4'-DDD (o,p'-DDD)	N.D.	GC/ECD	0.061 ng/g
	2,4'-DDE (o,p'-DDE)	N.D.	GC/ECD	0.058 ng/g
	2,4'-DDT (o,p'-DDT)	N.D.	GC/ECD	0.144 ng/g
	4,4'-DDD (p,p'-DDD)	N.D.	GC/ECD	0.243 ng/g
	4,4'-DDE (p,p'-DDE)	N.D.	GC/ECD	0.033 ng/g
	4,4'-DDT (p,p'-DDT)	N.D.	GC/ECD	0.016 ng/g
	Aldrin	N.D.	GC/ECD	0.013 ng/g
	Alpha Chlordane	N.D.	GC/ECD	0.082 ng/g
	Dieldrin	N.D.	GC/ECD	0.181 ng/g
	Gamma HCH (Gamma BHC or Lindane)	N.D.	GC/ECD	0.076 ng/g
	Heptachlor	N.D.	GC/ECD	0.04 ng/g
	Heptachlor epoxide	N.D.	GC/ECD	0.102 ng/g
	Hexachlorobenzene (HCB)	N.D.	GC/ECD	0.062 ng/g
	Mirex	N.D.	GC/ECD	0.157 ng/g
	trans-Nonachlor	N.D.	GC/ECD	0.094 ng/g

^a GC/ECD = Gas Chromatography/Electron Capture Detection.

Table 9. Toxicity of bottom sediments.

Station	<i>Ampelisca abdita</i>			Microtox®			
	Survival (%)	Signif. Diff. From Control?	Significant Toxicity? ^a	EC ₅₀ (% sediment)	Silt-Clay (%)	Significant Toxicity? ^b	QA/QC
CP98401	91.9	No	No	–	0.5	–	–
CP98402	64.6	Yes	Yes	0.844	39.5	No	–
CP98403	101.0	No	No	–	2.0	–	–
CP98404	96.0	No	No	–	2.1	–	–
CP98405	97.0	No	No	–	2.1	–	–
CP98406	101.0	No	No	–	3.2	–	–
CP98407	99.0	No	No	0.545	82.1	No	–
CP98408	96.9	No	No	1.638	21.1	No	–
CP98409	100.0	No	No	0.276	12.8	Yes	–
CP98410	91.8	No	No	0.020	98.9	Yes	–
CP98411	102.0	No	No	0.061	97.6	Yes	–
CP98412	100.0	No	No	0.385	17.0	Yes	–
CP98413	100.0	No	No	2.972	0.7	No	–
CP98414	99.5	No	No	–	2.2	–	–
CP98415	96.9	No	No	10.000	1.7	No	MST-X ^c
CP98416	92.9	No	No	0.031	93.0	Yes	–
CP98417	94.9	No	No	0.136	87.3	Yes	–
CP98418	101.0	No	No	2.374	1.7	No	–
CP98419	102.0	No	No	0.407	13.6	Yes	–
CP98420	98.0	No	No	–	1.0	–	–

^a Significant *A. abdita* toxicity = survival relative to control < 80% and significantly different from control survival ($\alpha = 0.05$).

^b Significant Microtox® toxicity = EC₅₀ ≤ 0.2% if silt-clay ≥ 20%, or EC₅₀ ≤ 0.5% if silt-clay < 20%.

^c Calculated EC₅₀ result was greater than the highest test concentration of 10%. Because the accuracy of an EC₅₀ value above 10% is unknown, EC₅₀ values greater than 10% have been reported as 10.000%.

Table 10. Summary of analytical methods for the analyses of contaminants in sediments.

Analyte	Min. Detection Limits ^a	Units (dry wt.)	Method ^b	Reference
Metals				
Aluminum	880	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Arsenic	0.036	µg/g	GFAA	Krahn et al. 1988; Fortner et al. 1996
Cadmium	0.035	µg/g	GFAA	Krahn et al. 1988; Fortner et al. 1996
Chromium	0.03	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Copper	0.30	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Iron	10	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Lead	0.162	µg/g	GFAA	Krahn et al. 1988; Fortner et al. 1996
Manganese	0.1	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Mercury	0.04	µg/g	CVAA	Krahn et al. 1988; Fortner et al. 1996
Nickel	1.9	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Selenium	0.034	µg/g	GFAA	Krahn et al. 1988; Fortner et al. 1996
Silver	0.02	µg/g	GFAA	Krahn et al. 1988; Fortner et al. 1996
Tin	7.8	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Zinc	0.2	µg/g	AES/ICP	Krahn et al. 1988; Fortner et al. 1996
Pesticides				
2,4'-DDD (o,p'-DDD)	0.787	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
2,4'-DDE (o,p'-DDE)	0.748	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
2,4'-DDT (o,p'-DDT)	1.873	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
4,4'-DDD (p,p'-DDD)	3.164	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
4,4'-DDE (p,p'-DDE)	0.432	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
4,4'-DDT (p,p'-DDT)	0.207	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Aldrin	0.166	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Alpha Chlordane	1.071	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996

^a Based on sample size of 0.5 g.

^b SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption; GC/MS-IT = Gas Chromatography/Mass Spectrometry – Ion Trap; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection; GC/ECD = Gas Chromatography/Electron Capture Detection.

^c gamma-BHC or Lindane.

Table 10. (Continued).

Analyte	Min. Detection Limits ^a	Units (dry wt.)	Method ^b	Reference
Dieldrin	2.359	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Gamma-HCH ^c	0.988	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Heptachlor	0.519	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Heptachlor epoxide	1.322	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Hexachlorobenzene	0.809	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
Mirex	2.04	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
trans-Nonachlor	1.219	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PAHs				
1-Methylnaphthalene	26.2	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
1-Methylphenanthrene	24.2	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
2-Methylnaphthalene	36	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
2,3,5-Trimethylnaphthalene	12.2	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
2,6-Dimethylnaphthalene	24.4	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
Acenaphthene	42.2	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
Acenaphthylene	11	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
Anthracene	22.6	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Benzo[a]anthracene	49.8	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Benzo[a]pyrene	63.2	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Benzo[b]fluoranthene	38.6	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Benzo[e]pyrene	29.2	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Benzo[ghi]perylene	39.6	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Benzo[k]fluoranthene	33.0	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Biphenyl	41.2	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
Chrysene	14.2	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Dibenz[a,h]anthracene	10.6	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996

^a Based on sample size of 0.5 g.

^b SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption; GC/MS-IT = Gas Chromatography/Mass Spectrometry – Ion Trap; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection; GC/ECD = Gas Chromatography/Electron Capture Detection.

^c gamma-BHC or Lindane.

Table 10. (Continued).

Analyte	Min. Detection Limits ^a	Units (dry wt.)	Method ^b	Reference
Fluoranthene	27.8	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Fluorene	18.2	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Indeno[1,2,3-cd]pyrene	61.4	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Naphthalene	65.6	ng/g	GC/MS-IT	Krahn et al. 1988; Fortner et al. 1996
Perylene	36.8	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Phenanthrene	21.8	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
Pyrene	20.4	ng/g	GC/MS-IT; HPLC/FD	Krahn et al. 1988; Fortner et al. 1996
PCBs				
PCB 101/90	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 104	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 105	1.586	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 118	0.871	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 126	1.69	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 128	0.91	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 138/160	2.314	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 153/132	1.326	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 154	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 170/190	2.041	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 18/17	1.95	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 180	1.391	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 187	0.624	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 188	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 195/208	1.56	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 201	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 206	1.274	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996

^a Based on sample size of 0.5 g.

^b SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption; GC/MS-IT = Gas Chromatography/Mass Spectrometry – Ion Trap; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection; GC/ECD = Gas Chromatography/Electron Capture Detection.

^c gamma-BHC or Lindane.

Table 10. (Continued).

Analyte	Min. Detection Limits ^a	Units (dry wt.)	Method ^b	Reference
PCB 209	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 28	2.535	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 29	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 44	0.676	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 50	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 52	0.884	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 66	0.793	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 77	19.487	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 8/5	1.664	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
PCB 87	1.3	ng/g	GC/ECD	Krahn et al. 1988; Fortner et al. 1996
AVS	0.094	μmol/g	SPECTRO	Allen et al. 1993
SEM – Cd	0.007	μmol/g	AES/ICP	Allen et al. 1993
SEM – Cu	0.019	μmol/g	AES/ICP	Allen et al. 1993
SEM – Pb	0.133	μmol/g	AES/ICP	Allen et al. 1993
SEM – Ni	0.129	μmol/g	AES/ICP	Allen et al. 1993
SEM – Zn	0.012	μmol/g	AES/ICP	Allen et al. 1993

^a Based on sample size of 0.5 g.

^b SPECTRO = Spectrophotometer (Milton-Roy Spectronic 601); AES/ICP = Atomic Emission Spectroscopy/Inductively Coupled Plasma; GFAA = Graphite Furnace Atomic Absorption; CVAA = Cold Vapor Atomic Absorption; GC/MS-IT = Gas Chromatography/Mass Spectrometry – Ion Trap; HPLC/FD = High Performance Liquid Chromatography/Fluorescence Detection; GC/ECD = Gas Chromatography/Electron Capture Detection.

^c gamma-BHC or Lindane.

Table 11. Abundance of benthic infauna in bottom sediments.

Station: CP98401						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Arthropoda	Diptera	Chironomidae	<i>Lopescladius</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Robackia</i>	<i>claviger</i>	111	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	6	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Robackia</i>	<i>claviger</i>	58	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	1	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	3	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Arthropoda	Diptera	Chironomidae	<i>Robackia</i>	<i>claviger</i>	32	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	24	
Station: CP98402						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Isochaetides</i>	<i>freyi</i>	1	
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	1	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	22	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	1	
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Axarus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	5	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>halterale</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	5	
Arthropoda	Isopoda	Asellidae	<i>Caecidotea</i>	<i>spp</i>	4	
Arthropoda	Trichoptera	Psychomiidae	<i>Phylocentropus</i>	<i>spp</i>	3	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	23	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Naididae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Oligochaeta	Tubificidae	<i>Isochaetides</i>	<i>freyi</i>	1	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	13	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	1	
Arthropoda	Diptera	Ceratopogonida	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Axarus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	9	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>halterale</i>	4	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	3	
Arthropoda	Isopoda	Asellidae	<i>Caecidotea</i>	<i>spp</i>	5	
Arthropoda	Trichoptera	Psychomiidae	<i>Phylocentropus</i>	<i>spp</i>	8	
Arthropoda	Trichoptera	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	19	

Table 11. (Continued).

Station: CP98402						
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Glossiphoniidae	<i>Desserobdella</i>	<i>phalera</i>	1	
Annelida	Oligochaeta	Tubificidae	<i>Isochaetides</i>	<i>freyi</i>	3	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	13	
Arthropoda	Diptera	Ceratopogonida	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	5	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>halterale</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Isopoda	Asellidae	<i>Caecidotea</i>	<i>spp</i>	2	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	85	

Station: CP98403						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Lumbrineridae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	1	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	24	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Diptera	Ceratopogonida	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	1	
Arthropoda	Trichoptera	Leptoceridae	<i>Oecetis</i>	<i>inconspicua</i>	2	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	25	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	2	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	3	
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	1	
Arthropoda	Trichoptera	Leptoceridae	<i>Oecetis</i>	<i>inconspicua</i>	1	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	23	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	28	

Station: CP98404						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	7	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>spp</i>	2	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	1	
Arthropoda	Branchiopod	Sididae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Cladotanytus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Cryptotendipes</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>halterale</i>	13	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>spp</i>	6	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	12	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	30	

Table 11. (Continued).

Station: CP98404					
Grab	2				
Phylum	Group	Family	Genus	Species	Abundance
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	3
Annelida	Polychaeta	Lumbrineridae	<i>Unid.</i>	<i>Unid.</i>	2
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	3
Arthropoda	Diptera	Ceratopogonida	<i>Unid.</i>	<i>Unid.</i>	1
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	22
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	8
Arthropoda	Trichoptera	Leptoceridae	<i>Oecetis</i>	<i>inconspicua</i>	4
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	36
Grab	3				
Phylum	Group	Family	Genus	Species	Abundance
Annelida	Oligochaeta	Naididae	<i>Unid.</i>	<i>Unid.</i>	1
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	13
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	5
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	2
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	2
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	4
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	3
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	6
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	37
Station: CP98405					
Grab	1				
Phylum	Group	Family	Genus	Species	Abundance
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	1
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	13
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	27
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	6
Arthropoda	Diptera	Chironomidae	<i>Axarus</i>	<i>spp</i>	1
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	4
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	3
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	56
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	15
Arthropoda	Ephemeroptera	Heptageniidae	<i>Unid.</i>	<i>Unid.</i>	5
Arthropoda	Isopoda	Asellidae	<i>Lirceus</i>	<i>lineatus</i>	1
Arthropoda	Trichoptera	Leptoceridae	<i>Oecetis</i>	<i>inconspicua</i>	6
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	57
Grab	2				
Phylum	Group	Family	Genus	Species	Abundance
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	2
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	12
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	8
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	6
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	1
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	2
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	3
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	111
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	3
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	43
Arthropoda	Trichoptera	Leptoceridae	<i>Oecetis</i>	<i>inconspicua</i>	2
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	52

Table 11. (Continued).

Station: CP98405						
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	5	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	22	
Arthropoda	Amphipoda	Gammaridae	<i>Unid.</i>	<i>Unid.</i>	21	
Arthropoda	Diptera	Chironomidae	<i>Coelotanypus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	17	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	10	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	49	
Station: CP98406						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	4	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	6	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	1	
Arthropoda	Diptera	Ceratopogonida	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	13	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	9	
Arthropoda	Trichoptera	Leptoceridae	<i>Oecetis</i>	<i>inconspicua</i>	3	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	4	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	5	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Lumbrineridae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>spp</i>	1	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	4	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	4	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	5	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	6	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	13	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	4	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	12	
Mollusca	Bivalvia	Dreissenidae	<i>Mytilopsis</i>	<i>leucophaeata</i>	1	
Station: CP98407						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	5	
Annelida	Polychaeta	Ampharetidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	17	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	8	

Table 11. (Continued).

Station: CP98407						
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Ampharetidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	18	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Tanytarsus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	3	
Mollusca	Bivalvia	Dreissenidae	<i>Mytilopsis</i>	<i>leucophaeata</i>	1	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	5	
Annelida	Polychaeta	Ampharetidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	17	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	8	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	7	
Station: CP98408						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	19	
Annelida	Polychaeta	Ampharetidae	<i>Unid.</i>	<i>Unid.</i>	5	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	46	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	5	
Annelida	Polychaeta	Spionidae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Cumacea	Nannastacidae	<i>Almyracuma</i>	<i>proximoculis</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>halterale</i>	52	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	11	
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	11	
Mollusca	Bivalvia	Dreissenidae	<i>Mytilopsis</i>	<i>leucophaeata</i>	21	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	2	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	4	
Annelida	Polychaeta	Ampharetidae	<i>Unid.</i>	<i>Unid.</i>	4	
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>	2	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	53	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	4	
Annelida	Polychaeta	Spionidae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Amphipoda	Corophiidae	<i>Corophium</i>	<i>lacustre</i>	2	
Arthropoda	Cumacea	Nannastacidae	<i>Almyracuma</i>	<i>proximoculis</i>	6	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Dicrotendipes</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Polypedilum</i>	<i>halterale</i>	43	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	9	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	22	
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	18	
Mollusca	Bivalvia	Dreissenidae	<i>Mytilopsis</i>	<i>leucophaeata</i>	108	
Mollusca	Bivalvia	Mactridae	<i>Rangia</i>	<i>cuneata</i>	1	

Table 11. (Continued).

Station: CP98408						
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	8	
Annelida	Polychaeta	Ampharetidae	<i>Unid.</i>	<i>Unid.</i>	2	
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>	2	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	53	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	3	
Annelida	Polychaeta	Spionidae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Cumacea	Nannastacidae	<i>Almyracuma</i>	<i>proximoculis</i>	5	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	9	
Arthropoda	Diptera	Chironomidae	<i>Cryptochironomus</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Polypedium</i>	<i>halterale</i>	55	
Arthropoda	Diptera	Chironomidae	<i>Procladius</i>	<i>spp</i>	10	
Arthropoda	Diptera	Chironomidae	<i>Tanytarsus</i>	<i>spp</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	27	
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	16	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	1	
Mollusca	Bivalvia	Dreissenidae	<i>Mytilopsis</i>	<i>leucophaeata</i>	25	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	2	
Mollusca	Gastropoda	Pyramidellidae	<i>Unid.</i>	<i>Unid.</i>	1	
Station: CP98409						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	4	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	14	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	14	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	7	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	7	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	23	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	1	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	12	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	13	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	1	
Arthropoda	Amphipoda	Gammaridae	<i>Gammarus</i>	<i>tigrinus</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	7	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	5	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Station: CP98410						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	16	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	2	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	91	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	10	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	

Table 11. (Continued).

Station: CP98410						
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Limnodrilus</i>	<i>hoffmeisteri</i>	1	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	26	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	74	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	5	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	11	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	54	
Mollusca	Bivalvia	Macrtridae	<i>Mulinia</i>	<i>lateralis</i>	1	
Station: CP98411						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	30	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	1	
Mollusca	Bivalvia	Macrtridae	<i>Mulinia</i>	<i>lateralis</i>	1	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	4	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	33	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	8	
Mollusca	Bivalvia	Macrtridae	<i>Mulinia</i>	<i>lateralis</i>	1	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	16	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	2	
Station: CP98412						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	39	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	11	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	22	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	1	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	1	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	54	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	22	
Arthropoda	Ostracoda	Cytherideidae	<i>Haplocytheridea</i>	<i>setipunctata</i>	7	
Mollusca	Bivalvia	Macrtridae	<i>Mulinia</i>	<i>lateralis</i>	2	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	36	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>spp</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	4	

Table 11. (Continued).

Station: CP98412						
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	8	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	21	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	33	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	4	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	1	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	25	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	12	
Arthropoda	Ostracoda	Cytherideidae	<i>Haplocytheridea</i>	<i>setipunctata</i>	9	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	4	
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	9	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	4	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	2	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	45	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Ostracoda	Cytherideidae	<i>Haplocytheridea</i>	<i>setipunctata</i>	6	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	3	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	1	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	2	
Station: CP98413						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	9	
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>	22	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	70	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	1	
Arthropoda	Amphipoda	Haustoriidae	<i>Parahaustorius</i>	<i>longimerus</i>	2	
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>edwardsi</i>	2	
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>spp</i>	2	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Cryptotendipes</i>	<i>spp</i>	5	
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	30	
Mollusca	Bivalvia	Corbiculidae	<i>Corbicula</i>	<i>fluminea</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>spp</i>	6	
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>	4	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	75	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	

Table 11. (Continued).

Station: CP98413						
Grab 2						
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>		3
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>		19
Annelida	Polychaeta	Capitellidae	<i>Unid.</i>	<i>Unid.</i>		4
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>		26
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>		74
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>		4
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>edwardsi</i>		1
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>spp</i>		1
Arthropoda	Diptera	Chironomidae	<i>Cryptotendipes</i>	<i>spp</i>		5
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>		31
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>		2
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>		1
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>		12
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>		8
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>		51
Mollusca	Gastropoda	Unid.	<i>Unid.</i>	<i>Unid.</i>		1
Grab 3						
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Hirudinea	Unid.	<i>Unid.</i>	<i>Unid.</i>		2
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>		1
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>		6
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>		27
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>		69
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>		11
Arthropoda	Amphipoda	Haustoriidae	<i>Parahaustorius</i>	<i>longimerus</i>		1
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>edwardsi</i>		1
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>		2
Arthropoda	Diptera	Chironomidae	<i>Cryptotendipes</i>	<i>spp</i>		3
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>		3
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>		24
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>		2
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>		1
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>		8
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>		23
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>		20
Nemertea	Anopla	Lineidae	<i>Unid.</i>	<i>Unid.</i>		2
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>		1
Station: CP98414						
Grab 1						
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>		2
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>		11
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>		3
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>		3
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>		3
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>		15
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>		2
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>		12
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>		5
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>		22
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>		1

Table 11. (Continued).

Station: CP98414						
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	2	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	5	
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>	1	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	30	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	7	
Annelida	Polychaeta	Spionidae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	1	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	14	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	7	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	10	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	5	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	5	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	10	
Annelida	Polychaeta	Nereidae	<i>Ceratonereis</i>	<i>irritabilis</i>	1	
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>	2	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	60	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	20	
Annelida	Polychaeta	Spionidae	<i>Streblospio</i>	<i>benedicti</i>	1	
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	1	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	29	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	17	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	16	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	2	
Station: CP98415						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	24	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	2	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	1	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	1	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	3	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	5	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	6	
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	33	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	2	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	8	
Arthropoda	Diptera	Chironomidae	<i>Unid.</i>	<i>Unid.</i>	1	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	25	
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	3	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	11	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	

Table 11. (Continued).

Station: CP98415						
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Oligochaeta	Tubificidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	6	
Annelida	Polychaeta	Capitellidae	<i>Mediomastus</i>	<i>spp</i>	8	
Annelida	Polychaeta	Spionidae	<i>Polydora</i>	<i>cornuta</i>	2	
Annelida	Polychaeta	Spionidae	<i>Streblospio</i>	<i>benedicti</i>	1	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	1	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	8	
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	3	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	57	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Station: CP98416						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Arthropoda	Diptera	Chironomidae	<i>Chironomus</i>	<i>spp</i>	1	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Unid.</i>	<i>Unid.</i>	1	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	6	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	2	
Station: CP98417						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
					0	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
					0	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Arthropoda	Amphipoda	Haustoriidae	<i>Parahaustorius</i>	<i>longimerus</i>	1	
Station: CP98418						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	1	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	2	
Annelida	Polychaeta	Phyllodocidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	17	
Annelida	Polychaeta	Spionidae	<i>Unid.</i>	<i>Unid.</i>	2	
Arthropoda	Amphipoda	Haustoriidae	<i>Acanthohaustorius</i>	<i>millsi</i>	3	
Arthropoda	Amphipoda	Haustoriidae	<i>Unid.</i>	<i>Unid.</i>	2	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	10	
Mollusca	Bivalvia	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	3	

Table 11. (Continued).

Station: CP98418						
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Nereidae	<i>Laeonereis</i>	<i>culveri</i>	1	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	2	
Annelida	Polychaeta	Nereidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	21	
Arthropoda	Amphipoda	Haustoriidae	<i>Acanthohaustorius</i>	<i>millsi</i>	3	
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>edwardsi</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	19	
Mollusca	Bivalvia	Veneridae	<i>Gemma</i>	<i>gemma</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	2	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Nereidae	<i>Ceratonereis</i>	<i>irritabilis</i>	3	
Annelida	Polychaeta	Nereidae	<i>Unid.</i>	<i>Unid.</i>	1	
Annelida	Polychaeta	Paraonidae	<i>Unid.</i>	<i>Unid.</i>	2	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	29	
Arthropoda	Amphipoda	Haustoriidae	<i>Acanthohaustorius</i>	<i>millsi</i>	3	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	13	
Mollusca	Bivalvia	Veneridae	<i>Gemma</i>	<i>gemma</i>	1	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	3	
Station: CP98419						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>	7	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Grab	2					
Phylum	Group	Family	Genus	Species	Abundance	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	
Grab	3					
Phylum	Group	Family	Genus	Species	Abundance	
Mollusca	Gastropoda	Cylichnidae	<i>Acteocina</i>	<i>canaliculata</i>	1	
Station: CP98420						
Grab	1					
Phylum	Group	Family	Genus	Species	Abundance	
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	1	
Annelida	Polychaeta	Nereidae	<i>Neanthes</i>	<i>succinea</i>	2	
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	3	
Arthropoda	Amphipoda	Haustoriidae	<i>Parahaustorius</i>	<i>longimerus</i>	65	
Arthropoda	Amphipoda	Haustoriidae	<i>Unid.</i>	<i>Unid.</i>	10	
Arthropoda	Amphipoda	Oedicerotidae	<i>Unid.</i>	<i>Unid.</i>	1	
Arthropoda	Isopoda	Idoteidae	<i>Edotea</i>	<i>triloba</i>	1	
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	1	
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	37	
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>	14	
Nemertea	Unid.	Unid.	<i>Unid.</i>	<i>Unid.</i>	1	

Table 11. (Continued).

Station: CP98420					
Grab	2				
Phylum	Group	Family	Genus	Species	Abundance
Annelida	Polychaeta	Capitellidae	<i>Heteromastus</i>	<i>filiformis</i>	1
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	9
Arthropoda	Amphipoda	Haustoriidae	<i>Parahaustorius</i>	<i>longimerus</i>	150
Arthropoda	Amphipoda	Haustoriidae	<i>Unid.</i>	<i>Unid.</i>	9
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	5
Mollusca	Bivalvia	Mactridae	<i>Mulinia</i>	<i>lateralis</i>	1
Mollusca	Bivalvia	Mactridae	<i>Spisula</i>	<i>solidissima</i>	1
Mollusca	Bivalvia	Tellinidae	<i>Macoma</i>	<i>balthica</i>	1
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	23
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>	6
Nemertea	Anopla	Lineidae	<i>Unid.</i>	<i>Unid.</i>	1
Grab	3				
Phylum	Group	Family	Genus	Species	Abundance
Annelida	Polychaeta	Spionidae	<i>Marenzelleria</i>	<i>viridis</i>	3
Arthropoda	Amphipoda	Haustoriidae	<i>Parahaustorius</i>	<i>longimerus</i>	36
Arthropoda	Amphipoda	Oedicerotidae	<i>Monoculodes</i>	<i>edwardsi</i>	1
Arthropoda	Isopoda	Anthuridae	<i>Cyathura</i>	<i>polita</i>	2
Mollusca	Bivalvia	Tellinidae	<i>Tellina</i>	<i>agilis</i>	25
Mollusca	Bivalvia	Tellinidae	<i>Unid.</i>	<i>Unid.</i>	25

2.3 Demersal Trawls

In addition to water and sediment samples and measurements collected at each station, demersal trawls were conducted at ten stations selected at random from the total of twenty sampling sites. Fishes and invertebrates were collected at each of these 10 stations with a 4.9-m otter trawl (2.5-cm mesh cod end) towed against the tidal current. Two ten-minute tows were attempted at each of the 10 stations, and were conducted after all other sampling at a station was completed. Demersal trawl samples and observations collected from each of these stations included: (1) tissue contaminant samples from target demersal biota; (2) diversity and abundances of demersal species; (3) presence of pathologies in demersal species; and (4) presence of SAV. All demersal organisms captured in each trawl were identified in the field, enumerated (Table 12), and examined for the presence of pathologies (Table 13). On completing these observations, a maximum of up to twenty penaeid shrimp, ten blue crabs, ten Atlantic croaker, and ten spot per station were collected for contaminant analysis of edible tissues. At the time of this writing, the tissue chemistry analyses have not been completed; consequently, those data will be published in a subsequent report.

Table 12. Abundance of demersal taxa collected in trawls.

Station: CP98401								
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
								0
Trawl 02								
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
								0
Station: CP98404								
Trawl 01								
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Callinectes</i>	<i>sapidus</i>	blue crab	1
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	3
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>macrochirus</i>	bluegill	1
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	redeer sunfish	4
	Chordata	Osteichthyes	Perciformes	Percichthyidae	<i>Morone</i>	<i>americana</i>	white perch	1
	Chordata	Osteichthyes	Siluriformes	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	blue catfish	4
	Chordata	Osteichthyes	Siluriformes	Ictaluridae	<i>Ictalurus</i>	<i>punctatus</i>	channel catfish	1
Trawl 02								
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	2
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	redeer sunfish	3
	Chordata	Osteichthyes	Perciformes	Percichthyidae	<i>Morone</i>	<i>americana</i>	white perch	5
Station: CP98405								
Trawl 01								
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Callinectes</i>	<i>sapidus</i>	blue crab	1
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	1
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	redeer sunfish	3
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	2
	Chordata	Osteichthyes	Pleuronectiformes	Soleidae	<i>Trinectes</i>	<i>maculatus</i>	hogchoker	1

Table 12. (Continued).

Station:		<i>CP98405</i>						
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Clupeiformes	Clupeidae	<i>Alosa</i>	<i>sp</i>	unid. herring	1
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	4
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>microlophus</i>	redeer sunfish	6
	Chordata	Osteichthyes	Perciformes	Percichthyidae	<i>Morone</i>	<i>americana</i>	white perch	2
	Chordata	Osteichthyes	Siluriformes	Ictaluridae	<i>Ictalurus</i>	<i>furcatus</i>	blue catfish	1
Station:		<i>CP98408</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	1
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	35
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	20
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Callinectes</i>	<i>sapidus</i>	blue crab	10
	Chordata	Osteichthyes	Perciformes	Centrarchidae	<i>Lepomis</i>	<i>gibbosus</i>	pumpkinseed	1
	Chordata	Osteichthyes	Perciformes	Percidae	<i>Perca</i>	<i>flavescens</i>	yellow perch	1
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	71
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	49
Station:		<i>CP98410</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Clupeiformes	Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic menhaden	10
	Chordata	Osteichthyes	Clupeiformes	Engraulidae	<i>Anchoa</i>	<i>hepsetus</i>	striped anchovy	46
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	34
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Clupeiformes	Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic menhaden	3
	Chordata	Osteichthyes	Clupeiformes	Engraulidae	<i>Anchoa</i>	<i>hepsetus</i>	striped anchovy	3
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	19

Table 12. (Continued).

Station:		<i>CP98411</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	16
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	2
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Clupeiformes	Clupeidae	<i>Brevoortia</i>	<i>tyrannus</i>	Atlantic menhaden	2
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	14
Station:		<i>CP98415</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	4
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	3
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	1
Station:		<i>CP98416</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Callinectes</i>	<i>sapidus</i>	blue crab	16
	Chordata	Osteichthyes	Clupeiformes	Engraulidae	<i>Anchoa</i>	<i>sp</i>	unid. anchovy	1
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Bairdiella</i>	<i>chrysoura</i>	silver perch	1
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	96
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	7
	Chordata	Osteichthyes	Perciformes	Sparidae	<i>Lagodon</i>	<i>rhomboides</i>	pinfish	1
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Arthropoda	Malacostraca	Decapoda	Portunidae	<i>Callinectes</i>	<i>sapidus</i>	blue crab	2
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	59

Table 12. (Continued).

Station:		<i>CP98418</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	3
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	11
	Chordata	Osteichthyes	Perciformes	Sparidae	<i>Lagodon</i>	<i>rhomboides</i>	pinfish	1
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Clupeiformes	Engraulidae	<i>Anchoa</i>	<i>sp</i>	unid. anchovy	2
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	77
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	6
	Chordata	Osteichthyes	Pleuronectiformes	Bothidae	<i>Paralichthys</i>	<i>lethostigma</i>	southern flounder	5
Station:		<i>CP98419</i>						
Trawl	01							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	7
Trawl	02							
	Phylum	Class	Order	Family	Genus	Species	Common Name	Abundance
	Chordata	Osteichthyes	Clupeiformes	Engraulidae	<i>Anchoa</i>	<i>mitchilli</i>	bay anchovy	1
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Leiostomus</i>	<i>xanthurus</i>	spot	9
	Chordata	Osteichthyes	Perciformes	Sciaenidae	<i>Micropogonias</i>	<i>undulatus</i>	Atlantic croaker	71
	Chordata	Osteichthyes	Perciformes	Sparidae	<i>Lagodon</i>	<i>rhomboides</i>	pinfish	2

Table 13. Pathologies observed in demersal trawl biota.

Station	Trawl	Number of Pathologies	Taxon	Pathology Type
CP98410	01	3	<i>Brevoortia tyrannus</i>	Ulcer
CP98410	02	3	<i>Brevoortia tyrannus</i>	Ulcer
CP98411	02	2	<i>Brevoortia tyrannus</i>	Ulcer

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