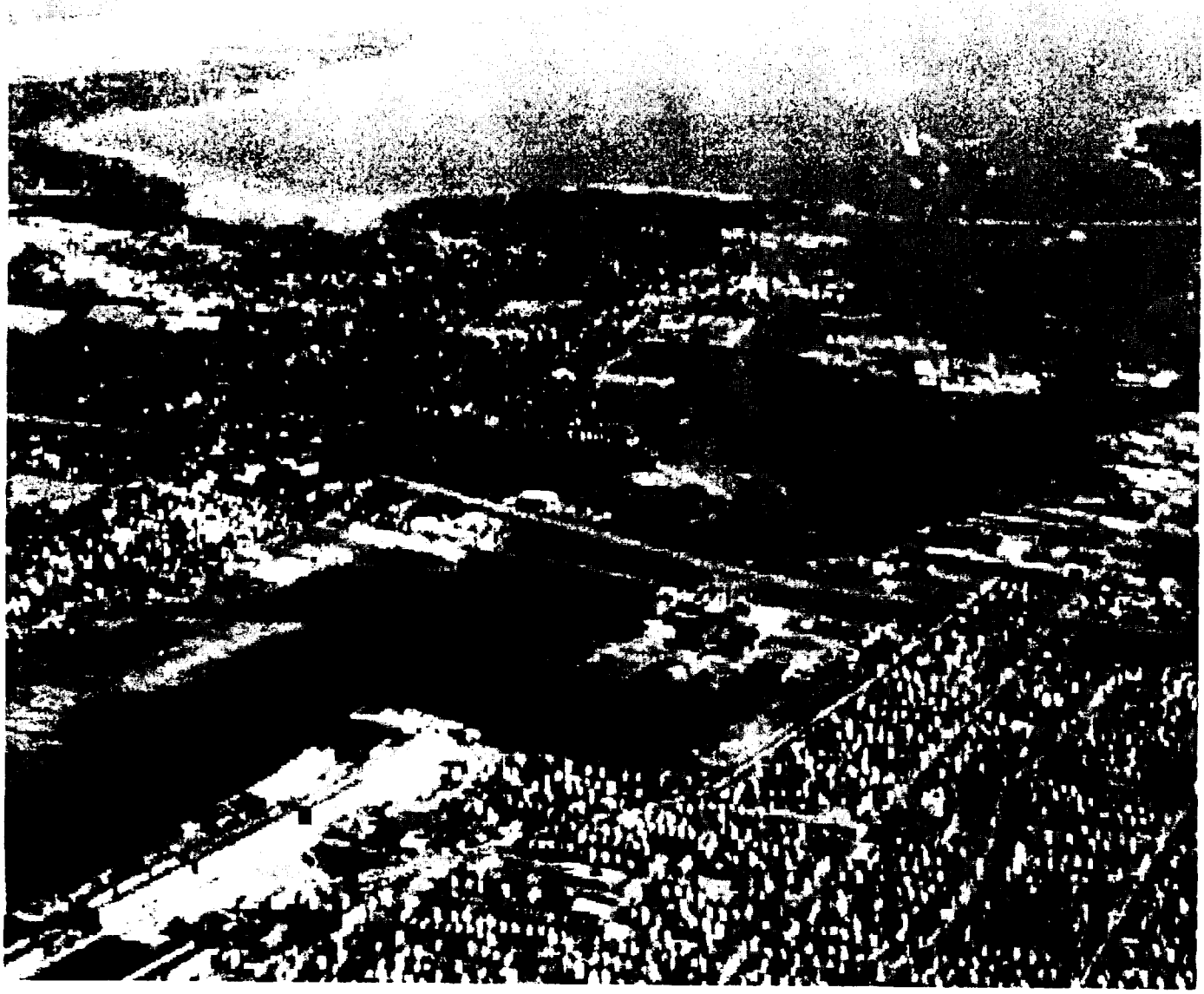
Contaminant Monitoring Report For Seafood Harvested In 2002 From The New Bedford Harbor Superfund Site



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U.S. EPA - New England
Mass. Dept. of Marine Fisheries Mass. Dept. of Environmental Protection

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1. Introduction

This report documents the levels of PCBs (polychlorinated biphenlys), cadmium, chromium, copper, and lead measured in four seafood species caught in New Bedford Harbor and surrounding Buzzards Bay in southeastern Massachusetts in 2002. This seafood monitoring program is part of the ongoing PCB cleanup program for the New Bedford Harbor (NBH) Superfund site, and was a collaborative effort involving the MA Department of Marine Fisheries (DMF), the MA Department of Environmental Protection, (DEP) and the U.S. Environmental Protection Agency-New England Region (EPA).

Due to the identification of high PCB levels in area seafood, the MA Department of Public Health in 1979 promulgated regulations restricting seafood consumption in three closure areas in and around NBH (Figure 1). NBH was subsequently listed as a Superfund site in 1983. Approximately 46,000 cubic yards (cy) of the most highly PCB-contaminated subtidal and shoreline sediments have been remediated to date, and the start of the cleanup program's full scale dredging program of roughly 860,000 cy is slated for fall 2004. Consistent with the 1998 Record of Decision (ROD) for the site, this seafood monitoring program will aid in the evaluation of the overall effectiveness of the harbor cleanup, as well as assist in the implementation of institutional controls and seafood restrictions.

2. Seafood Monitoring Program Design

Based on previous investigations and risk assessments performed for the NBH site, four species were selected for this monitoring program that are considered locally caught seafood and which bracket potential worse case tissue levels. These four species are lobster (*Homarus americanus*), winter flounder (*Pleuronectes americanus*), quahog (i.e., hard shelled clam, *Mercenaria mercenaria*) and American eel (*Anquilla rostrata*) The goal of this seafood monitoring program is to acquire annual collections of all species (preferably in pre-spawning condition) in sufficient numbers from all three closure areas to enable statistical comparisons between them.

To meet this goal, the monitoring design calls for five replicate composite samples for each of the four species from each of the three closure areas. Ideally, this would result in a total of sixty samples for analysis of PCBs and metals. For winter flounder, lobster and eel, each composite sample would consist of three legally harvestable organisms and for quahog the composite would consist of one dozen legally harvestable organisms. The number of composites was determined according to Sokal and Rohlf (1995) using the coefficient of variation (c.v.) from the DMF's 1995 lobster sampling program in Area III (mean = 1.3 ppm, standard deviation = 0.28, c.v. = 22%). The significance level used was 5% and the probability that the significance will be found if it exists was set at 90%. Based on the known levels of PCBs in NBH seafood, there is a high likelihood of detecting PCB concentrations that are 50% different between each closure area.

In addition to comparing the results of this monitoring to past and future seafood monitoring results, the results of this seafood monitoring program will be compared to the

current U.S. Food and Drug Administration's (FDA's) criteria for PCBs in commercial seafood of 2 parts per million (ppm). It was exceedances of the FDA criteria in NBH seafood which prompted promulgation of the state's seafood closure areas in 1979 (the FDA criteria at that time was 5 ppm). In addition to comparisons to the current FDA level, and as explained in the 1998 ROD, EPA will compare the results of the seafood monitoring program to a site-specific threshold of 0.02 ppm PCBs. This 0.02 ppm PCB level was developed to ensure the protection of local residents whose seafood consumption might include seafood caught mostly if not entirely from NBH. This 0.02 ppm PCB level was calculated to represent a one-in-one-hundred-thousand chance that an individual would develop cancer as a result of consuming seafood from NBH (10^{-5} incremental cancer risk).

3. 2002 Field Collection

DMF initiated the field sampling program on June 19, 2002 with the collection of quahog from all three seafood closure areas. Quahog collections concluded on September 11, 2002. Five stations were located in each of the three closure areas that produced sufficient sample sizes consistent with the monitoring program design.

Collection of lobster, winter flounder and American eel using fish pots began on October 10, 2002 and concluded on December 13, 2002. Despite considerable effort to collect species according to the monitoring program design, however, all species were not obtained in all three closure areas as originally planned. In summary, lobster were not found in Area I (despite 90 trap hauls) and only a limited number of winter flounder (4) and eel (2) were found in Area I only (despite 72 and 86 trap hauls, respectively). As a result of this limited sample recovery, the 2003 field collection (not covered by this report) was modified to include other locally-consumed seafood species including blue crab, scup, summer flounder and black sea bass.

Complete collection information including the dates fished, identification information, species, station identification, latitude and longitude, collection method and chain of custody is included in Appendix A and B. All samples were delivered frozen to the DEP Wall Experiment Station (WES) in Lawrence, MA on January 3, 2003.

The locations of all seafood collection stations included in the 2002 field effort are shown in Figures 2 through Figure 6.

4. Analytical Chemistry

The first step in the analytical process was the compositing of the quahog and lobster samples. For quahog, twelve individuals from each sample location were combined to form one composite sample per location. For lobster, three individuals from each sample location were used to form composite samples. The tail and claw meat from each of the three animals were combined to form a tail and claw meat composite sample for the location, and the tomalley from each of the three animals was combined to form a separate composite sample for the location.

The tail/claw meat composites were analyzed separately from the tomalley composites in order to quantify the PCB levels in the respective tissue types. A combined PCB level for the tail and claw meat combined with the tomalley was then calculated as follows:

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

The seafood samples were analyzed by WES using modified method 983.21(modified method 8082) for five PCB Aroclors and for 28 specific PCB congeners. Modified method 983.21 is a dual column GC/ECD (gas chromatogram/electron capture detection) method. Both the Aroclor and the congener approach were used to allow comparisons with previous site data of both types. The five Aroclors measured were Aroclors 1232, 1242, 1248, 1254 and 1260. The 28 congeners measured were the eighteen NOAA (National Oceanic and Atmospheric Administration) list congeners and the twelve WHO '98 (1998 World Health Organization) list of dioxin-like congeners. Two congeners, BZ #105 and #108, appear on both lists. The NOAA congener list was used by the MA DMF in its analysis of Area III lobsters from 1988 - 1998, while Aroclors had been used previous to this. The NOAA list typically represents approximately 45% of the total PCB in marine tissue (NOAA, 1993).

The congeners quantitated in this effort were BZ #8, 18, 28, 44, 52, 66, 77*, 81*, 101, 105*, 114*, 118*, 123*, 126*, 128, 138, 153, 156*, 157*, 167*, 169*, 170, 180, 187, 189*, 195, 206, and 209 (* indicates dioxin-like congener). Congeners #170 and #180 were removed from the WHO '96 list and do not appear on the WHO '98 list. The WHO '98 congeners were included to enable the evaluation of risks to human health due to the presence of any dioxin-like PCB congeners, if deemed necessary.

Tissues from lobster meat, lobster tomalley, quahogs, flounder and eel were collected and filleted, sub-sampled and composited for sample extraction and analysis. For each group, 20 grams of wet sample tissue was mixed with anhydrous sodium sulfate (Na_2SO_4) and 200 mL hexane and ground/homogenized using a tissuemizer. The resulting mixture was then filtered through a sharkskin filter utilizing a side arm Buchner funnel flask. The resulting clear fluid extract was transferred to a 250 mL volumetric flask and brought to volume with hexane.

This extract was then cleaned up to remove the lipid portion and separate the PCB analytes from the lipid. For this cleanup, a chromatography column containing approximately 20 grams of Florisil was constructed and initially eluted with hexane. A 25 mL aliquot of the 250 mL hexane extract was pipetted onto the column and the eluted liquid collected. The column was subsequently eluted with sequential elutions of 15% diethyl ether/hexane and 50% diethyl ether/hexane to remove the PCB from the column while trapping the lipid portion of the extract. A separate 10 ml of the 250 ml of extract was pipetted into a tared dish and the hexane evaporated to gravimetrically determine the lipid content.

The Florisil-cleaned extract was concentrated using a Kuderna-Danish apparatus and adjusted to 10 mL with hexane for analysis. The dual column, duel ECD detector, gas chromatograph was calibrated for all the above congeners, chlorinated pesticides and for the eight Aroclor standards. The chromatographic conditions were adjusted to permit the separation and quantitative measurement of all the target PCB Aroclors as well as the congeners listed above. Several of the low concentration dioxin-like congeners co-elute with higher concentration (more prevalent) congeners. PCB congeners BZ #77 co-elutes with BZ # 110, and BZ #126 co-elutes with BZ# 129 on the primary column but both were separated on a second confirmation column. Therefore, PCB congeners BZ# 77 and BZ #126, if present can be quantitated on the confirmation column. Both of these congeners have relatively high dioxin-like characteristics.

The quantitation is performed by identifying the congener or Aroclor using the calibrated retention time windows for each congener or Aroclor and comparing the response of the sample peak to the response of the standard peaks over the calibration range. The WES Standard Operating Procedure #AOAC 983.21 should be consulted for further details on chromatographic conditions, quality control criteria, and other elements of the analysis. While lipid content was reported, the wet weight PCB concentrations reported herein are not lipid normalized.

5. Results and Discussion

As with previous studies of sediments, water column, marine tissue, and air at the NBH site, the current data set demonstrates a decreasing trend (north to south) of PCB levels in marine tissue. In other words, tissue PCB levels decrease proportionally with the distance from the primary source of PCBs to the upper harbor (the Aerovox facility). This trend is also clearly noticeable in the individual (as opposed to area-averaged) results from Area I: the tissue samples taken closest to the upper harbor are the highest in PCBs (e.g., quahog site E1, flounder site B1, and eel site A1). Figures 7 through 14 graphically summarize the current data, and Tables 1 through 4 tabulate the individual sample results.

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

Throughout their industrial use in the U.S., PCBs were sold under the Aroclor trade name. Aroclors are a mixture of congeners, and different Aroclor types consisting of different congeners and chlorine levels were manufactured (e.g., Aroclor 1242 had 42% chlorine, and Aroclor 1260 had 60% chlorine). For this monitoring effort, both Aroclors and congeners (the 28 congeners of the combined NOAA and WHO subsets) were measured to assist in the comparison

with previous site data, as well as to further understand the similarities and differences of these two analytical approaches.

For lobster PCB measurements (but not the other species tested), the current PCB results indicate that the Aroclor approach under-estimates the true PCB concentration in marine tissue. As a rough rule of thumb - for lobsters - the congener results were approximately two times or more higher than the Aroclor results. Note that this approximation becomes less accurate when comparing very low and very high PCB measurements.

Interestingly, for two of the other three species tested (quahog and winter flounder) the opposite result was indicated. For these species, the Aroclor approach yielded results that were roughly twice as high as the congener approach. Again, this approximation becomes less accurate when comparing more extreme PCB values (e.g., see the eel results: 21.32 ppm congeners; 24.37 ppm Aroclors - Figure 14).

It should be noted that PCB tissue levels generally increase with the fat or lipid content of the tissue being tested. Thus, the PCB results for eel and lobster tomalley (both high in lipids) are significantly higher than the other tissues tested.

Overall, the current PCB data indicate a continuing unacceptable risk to human health due to consumption of seafood caught in and around NBH. Obviously this risk does not apply to seafood caught by the harbor's commercial fishing fleet, as this seafood is caught further offshore than the three PCB closure areas discussed herein.

EPA notes, however, that the PCB results for Area III lobster *with the tomalley tissue removed* indicate that risks to human health from lobster tail and claw meat from Area III have moved into its acceptable range (see Figure 8a). With the tomalley included, however, these Area III lobster remain a cause for concern, especially when using the congener analytical approach (see Figure 8). Figure 9 illustrates the current Area III lobster data in context with historic Area III lobster data (with tomalley included), and shows significantly decreased levels from the highest measured readings from the mid-1980's.

For metals, the most striking result is the high copper levels detected in lobster, and to a lesser extent in the Area I flounder and quahog (see Table 4). High copper levels in lobster have been reported in lobster for other areas in and around New England (Soles, 1995; National Research Council Canada, undated), generally attributable to their specific biochemistry. It should be noted, however, that NBH - especially Area I - contains very high levels of copper in both sediments and the water column (U.S. EPA, 1998, Figures 9 and 12).

Finally, although not part of this particular monitoring effort, Appendix 4 summarizes long term blue mussel (*Mytilus edulis*) PCB bioaccumulation data collected at NBH by EPA's research laboratory in Narragansett, RI. Consistent with the discussion above, these data also demonstrate the decreasing north to south trend in seafood tissue PCB levels. The closer the

animals tested are to the upper harbor (north of US Route 195), the higher their PCB body burdens will be.

6. References

EPA, 1998. Record of Decision for the Upper and Lower Harbor Operable Unit, New Bedford Harbor Superfund Site, New Bedford, Massachusetts. U.S. EPA - Region I New England. September 1998.

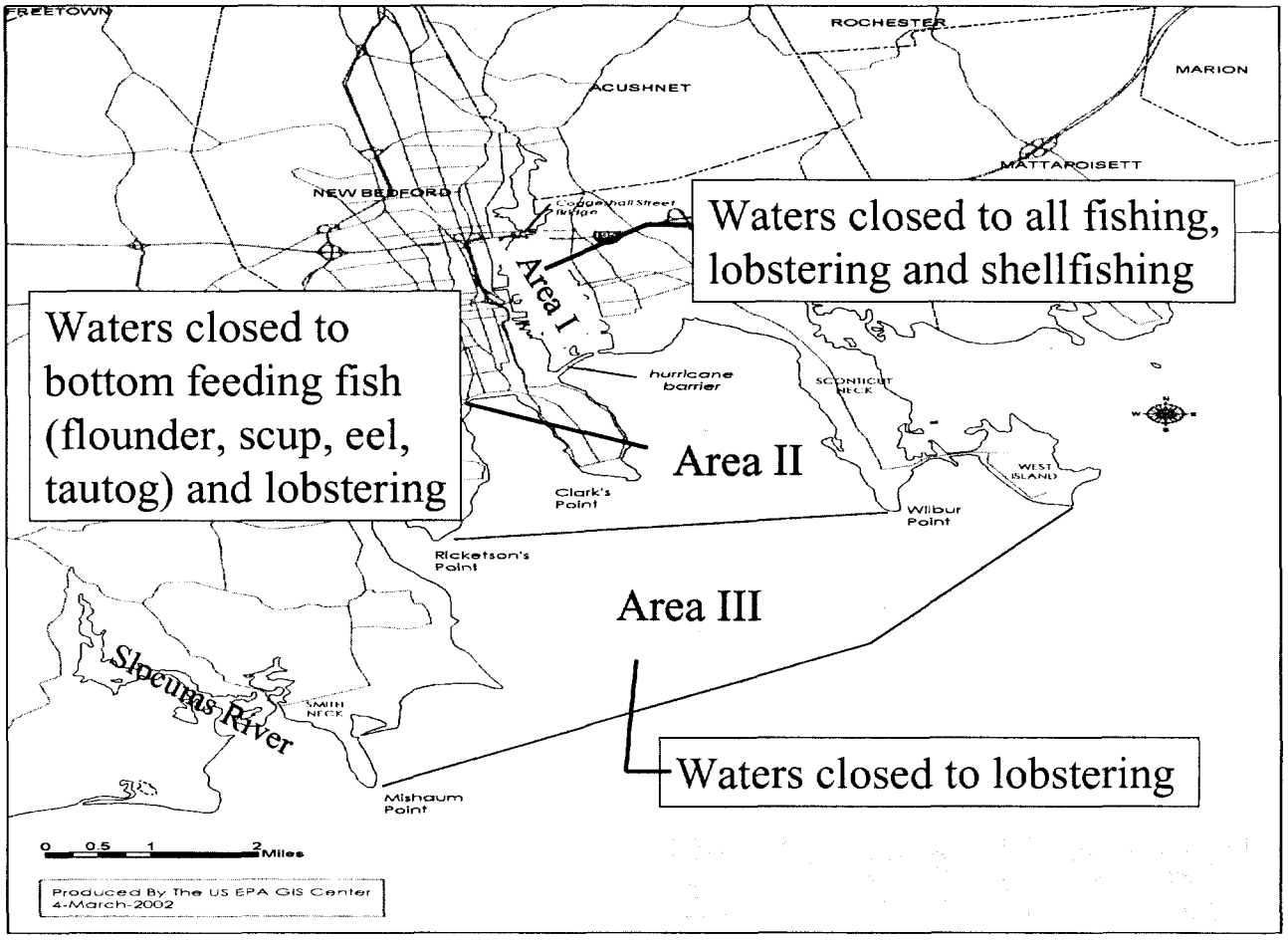
National Research Council Canada, undated. Marine Analytical Chemistry Standards Program, Marine Biological Reference Material for Trace Metals and Other Elements. Tort 1.

NOAA, 1993. NOAA Technical Memorandum NOA ORCA 71. National Status and Trends Program for Marine Environmental Quality. Sampling and Analytical Methods of the National Status and Trends Program National Benthic Surveillance and Mussel Watch Projects, 1984-1992. Volume 1. Silver Springs, Maryland. July 1993

Sokal, R.R., and F.J. Rohlf, 1995. Biometry. 3rd Edition. W.H. Freeman and Co., San Francisco, CA.

Soles, 1995. Surface Water Ambient Monitoring Program, Technical Report. DEPL W-97-1, Maine Department of Environmental Protection.

Figure 1 - the 1979 state fishing ban



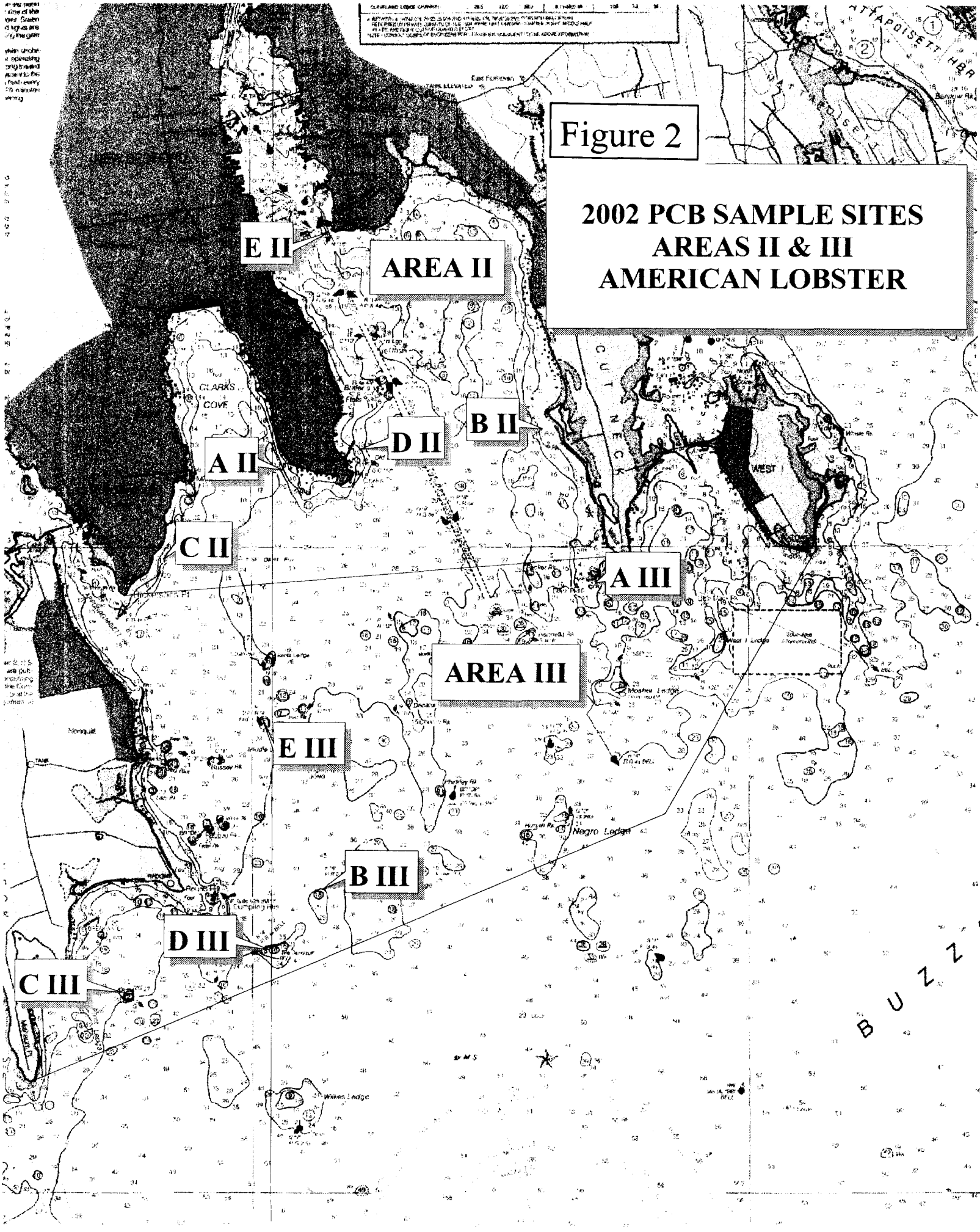
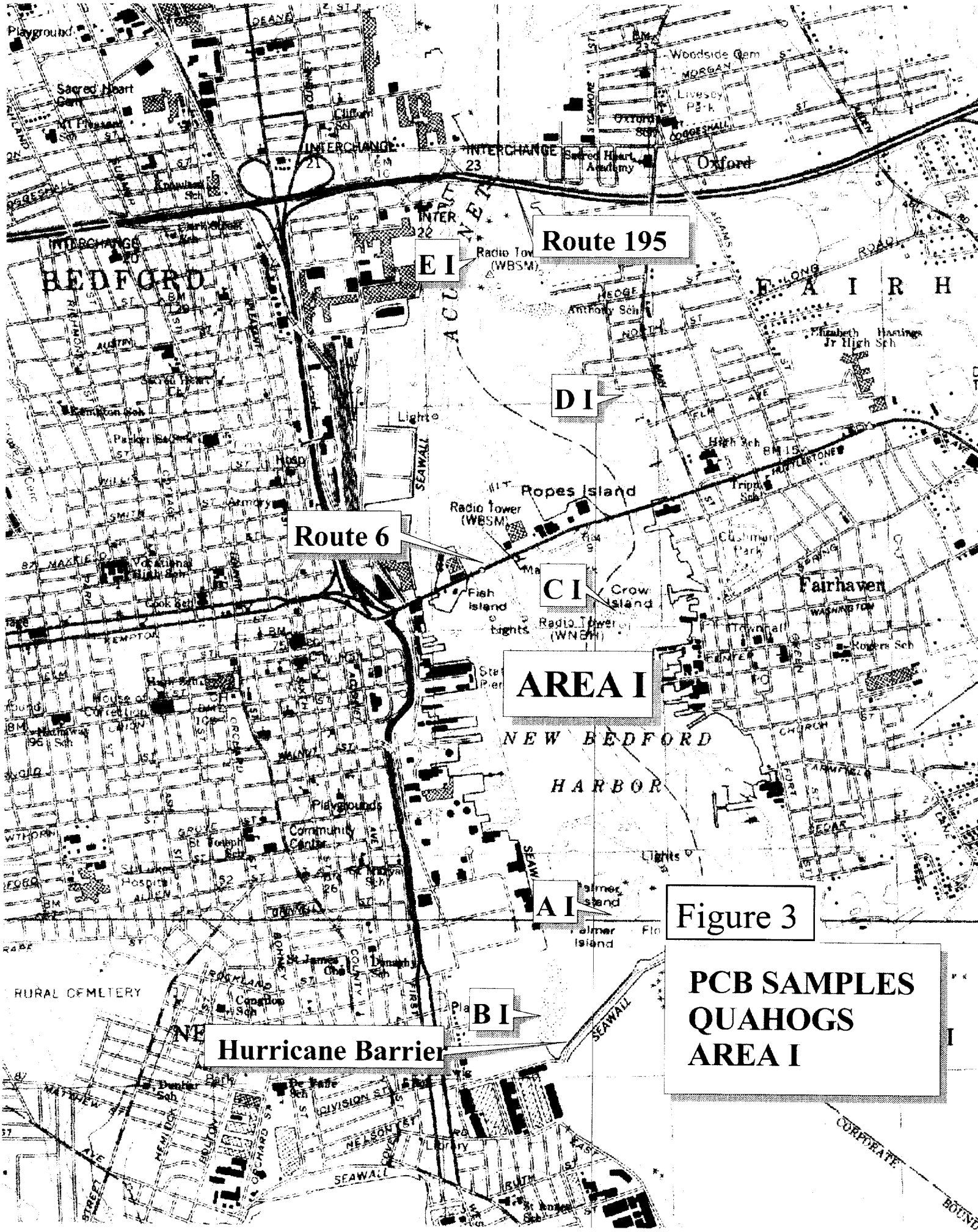


Figure 2
2002 PCB SAMPLE SITES
AREAS II & III
AMERICAN LOBSTER
E II
AREA II
B II
D II
A II
C II
A III
AREA III
E III
B III
D III
C III
CLARKS COVE
Negro Ledge
Wilkes Ledge
BUZZ


Route 195
E I
D I
Route 6
C I
AREA I
A I
B I
Hurricane Barrier
Figure 3
PCB SAMPLES
QUAHOGS
AREA I
BEDFORD
Oxford
Fairhaven
NEW BEDFORD
HARBOR
Ropes Island
Fish Island
Crow Island
Palmer Island
Radio Tower (WBSM)
Radio Tower (WNBH)
SEAWALL
RURAL CEMETERY

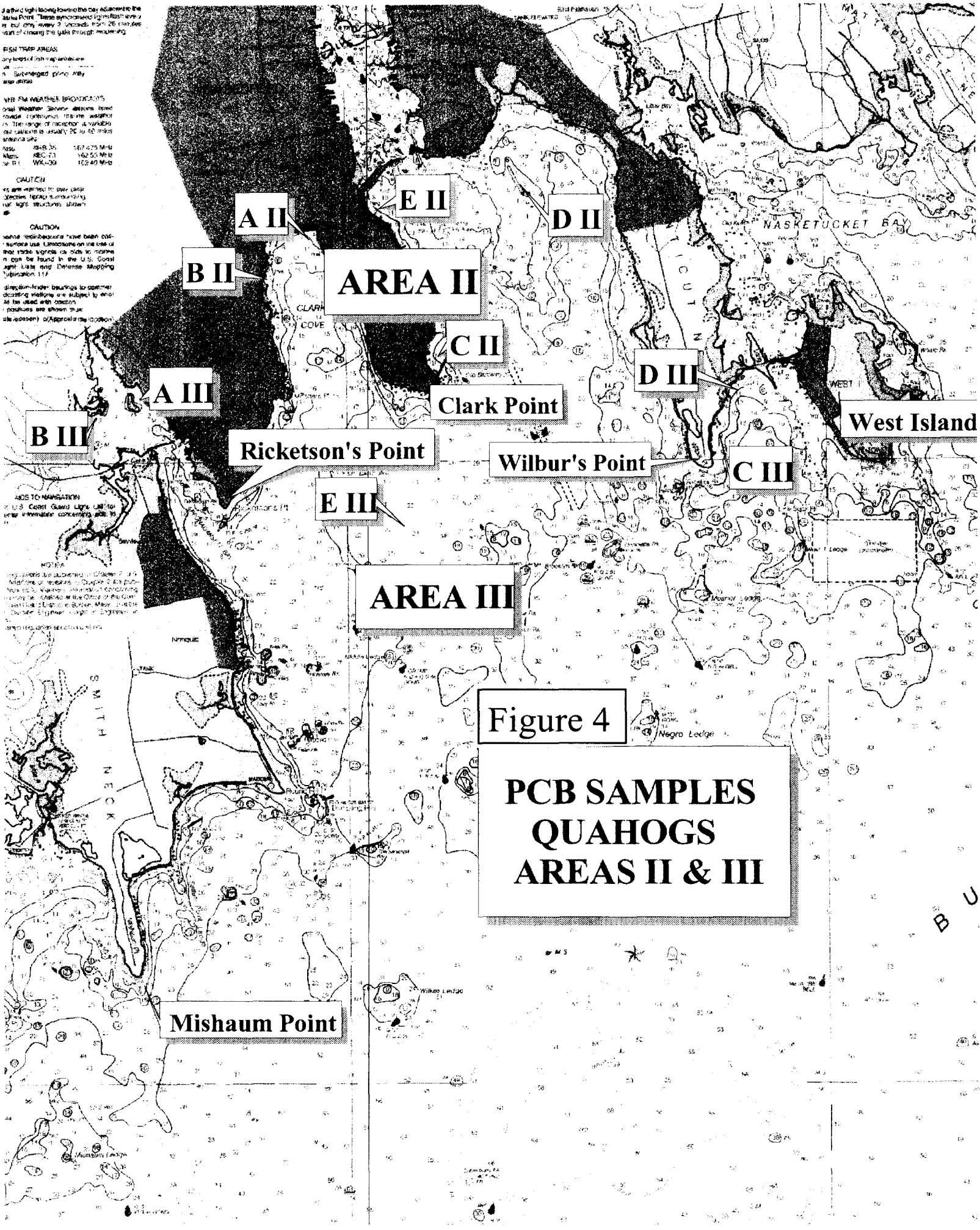


Figure 4

PCB SAMPLES
QUAHOGS
AREAS II & III

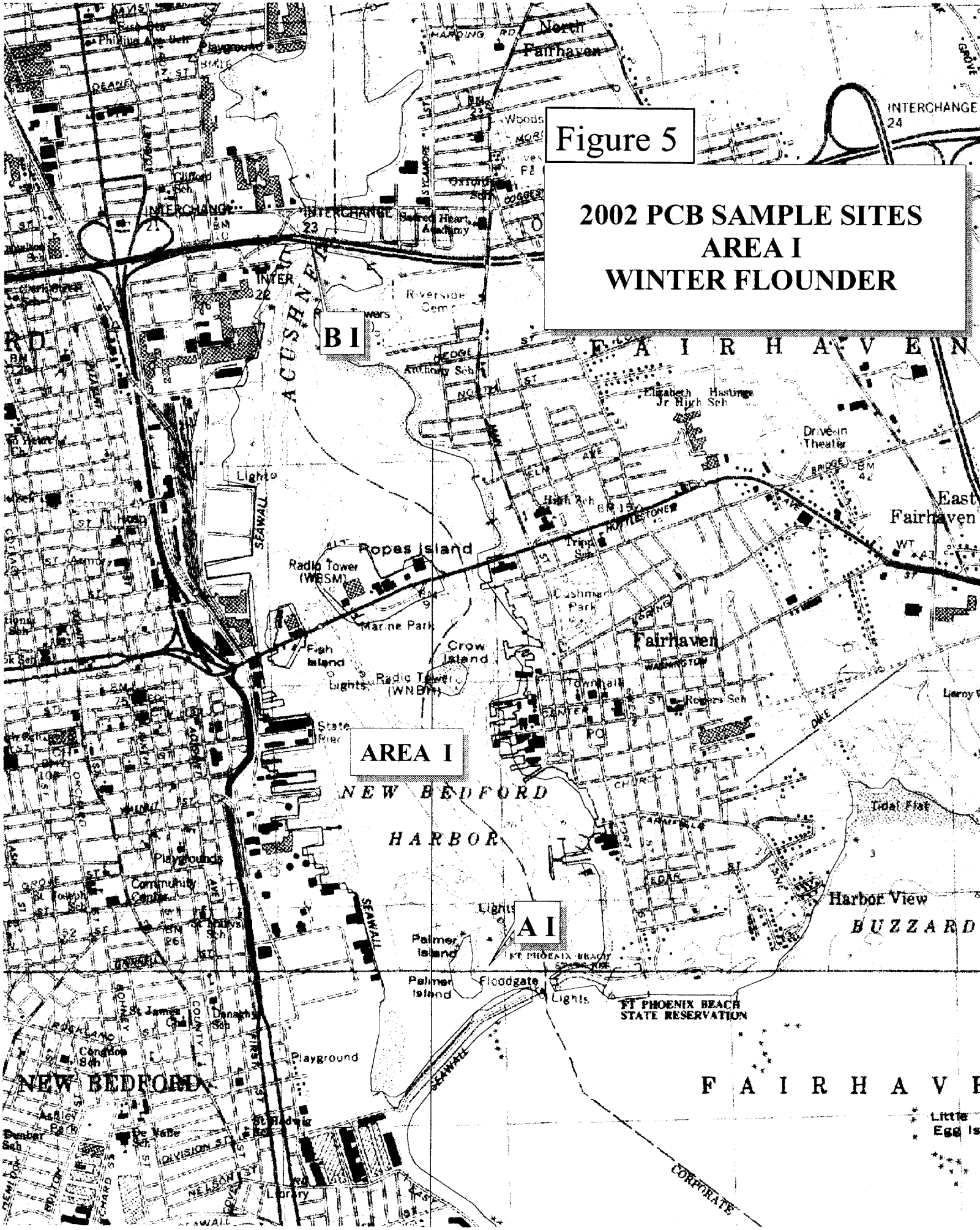


Figure 5
2002 PCB SAMPLE SITES
AREA I
WINTER FLOUNDER
B I
AREA I
A I
NEW BEDFORD
HARBOR
FAIRHAVEN
North Fairhaven
East Fairhaven
Fairhaven
Ropes Island
Fish Island
Crow Island
Palmer Island
Harbor View
BUZZARD
FT PHOENIX BEACH STATE RESERVATION
NEW BEDFORD
Playground
Community Center
Floodgate
Tidal Flat
Drive-in Theater
Elizabeth Hastings Jr High Sch
Radio Tower (WBSM)
Radio Tower (WNBH)
Marine Park
Cushman Park
Rogers Sch
Anthony Sch
Sacred Heart Academy
Riverside Cem
Oxford Sch
Ashley Park
Library
INTERCHANGE 21
INTERCHANGE 22
INTERCHANGE 23
INTERCHANGE 24
ACUSHNET
SEAWALL
CORPORATE

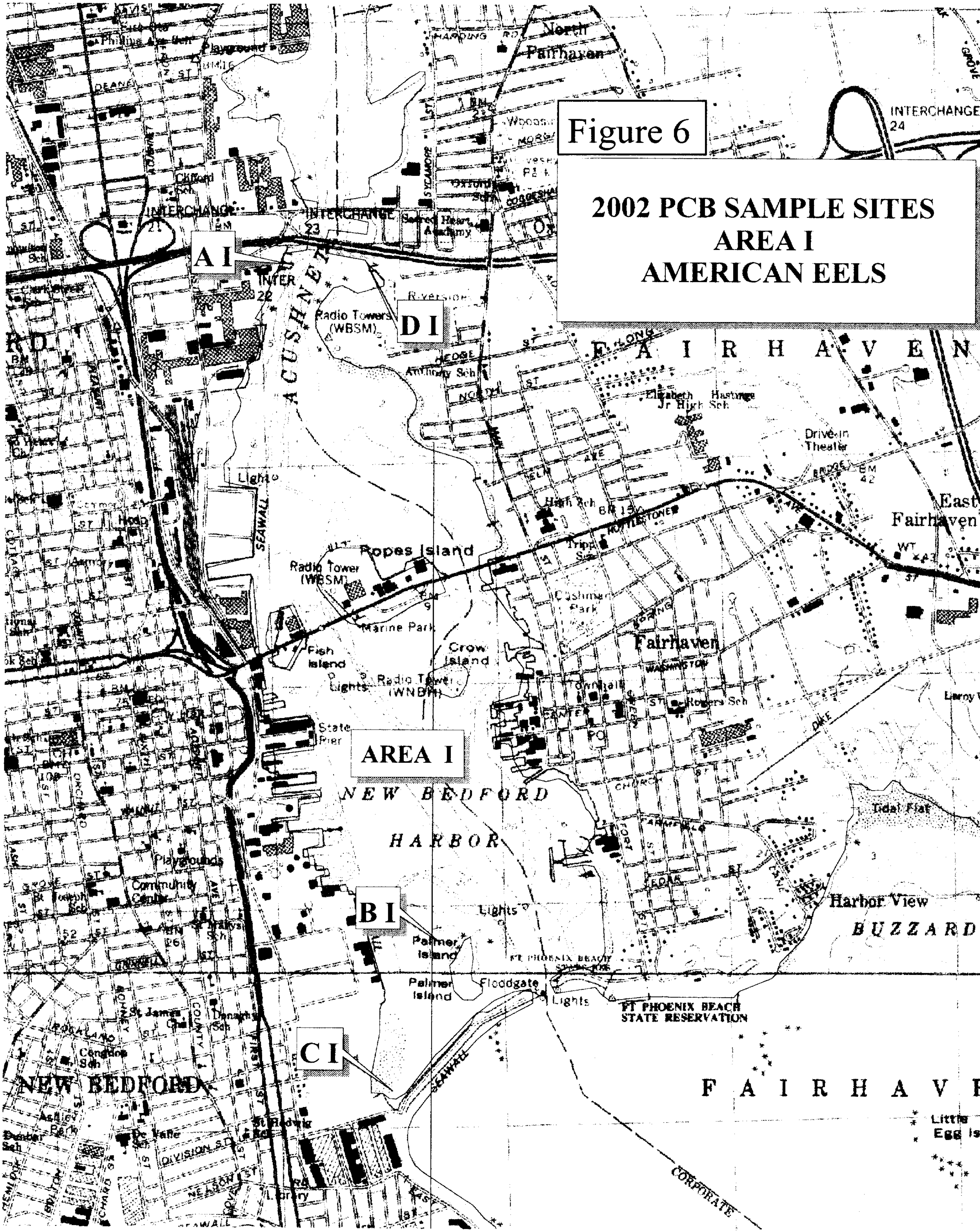
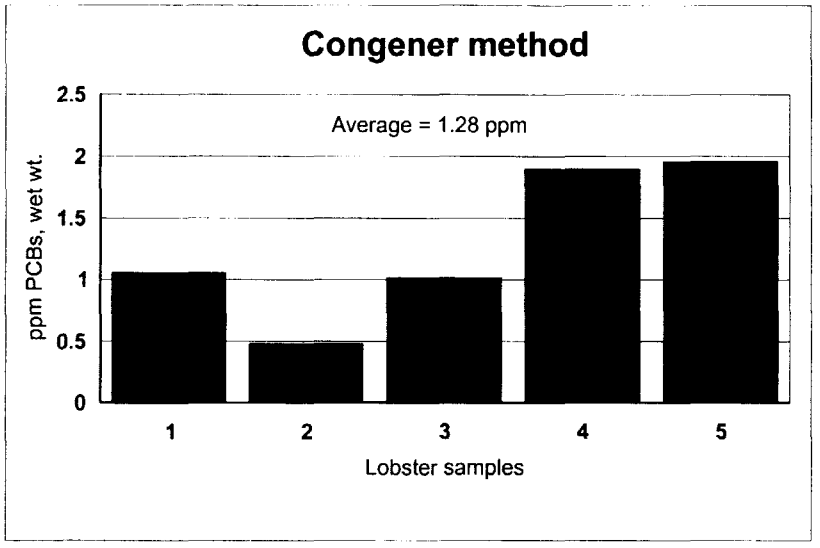


Figure 6
2002 PCB SAMPLE SITES
AREA I
AMERICAN EELS
A I
B I
C I
D I
AREA I
NEW BEDFORD
HARBOR
ACUSHNET
FAIRHAVEN
Fairhaven
North Fairhaven
East Fairhaven
Ropes Island
Fish Island
Crow Island
Palmer Island
Marine Park
State Pier
Harbor View
Tidal Flat
BUZZARDS
FT PHOENIX BEACH STATE RESERVATION
Floodgate
SEAWALL
INTERCHANGE 24

Figure 7: PCBs in Lobster, 2002 - Closure Area II

Tomalley, tail and claw meat



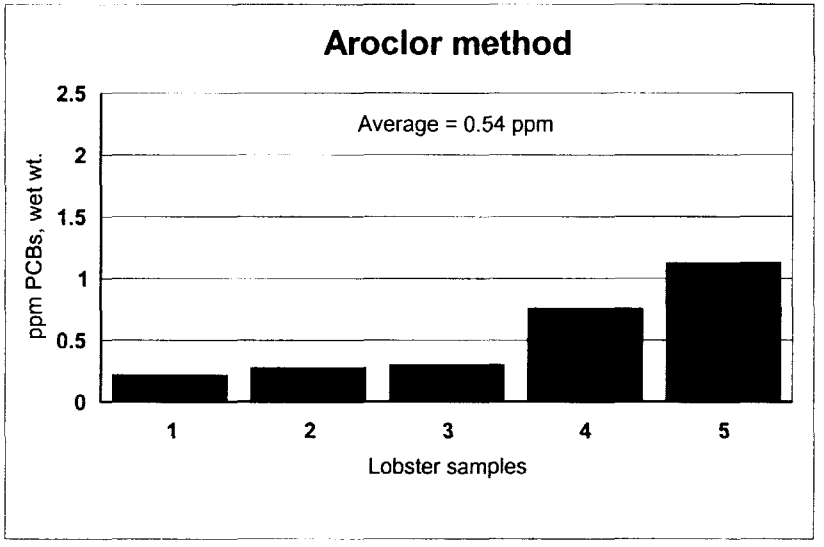
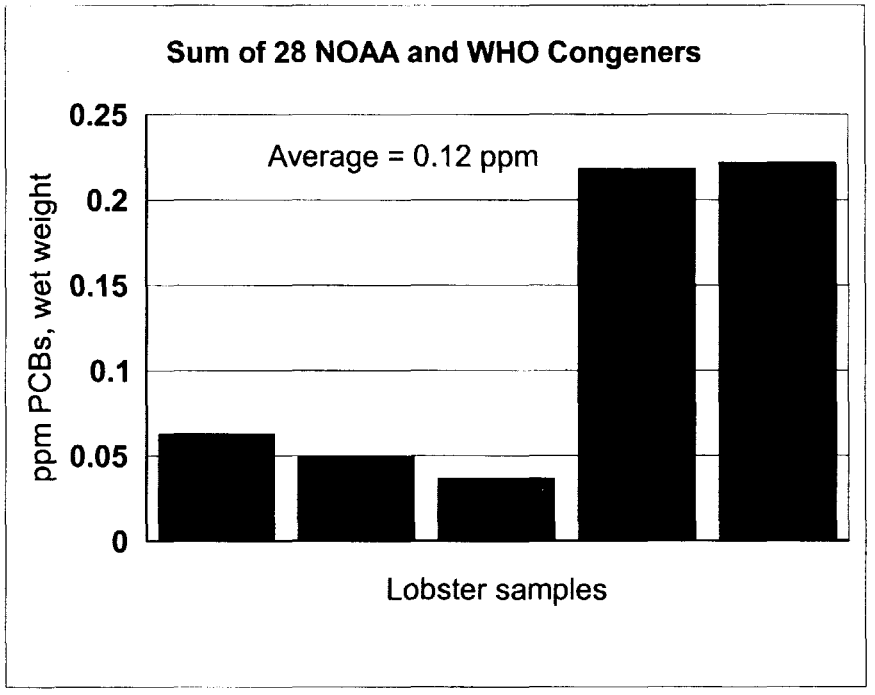
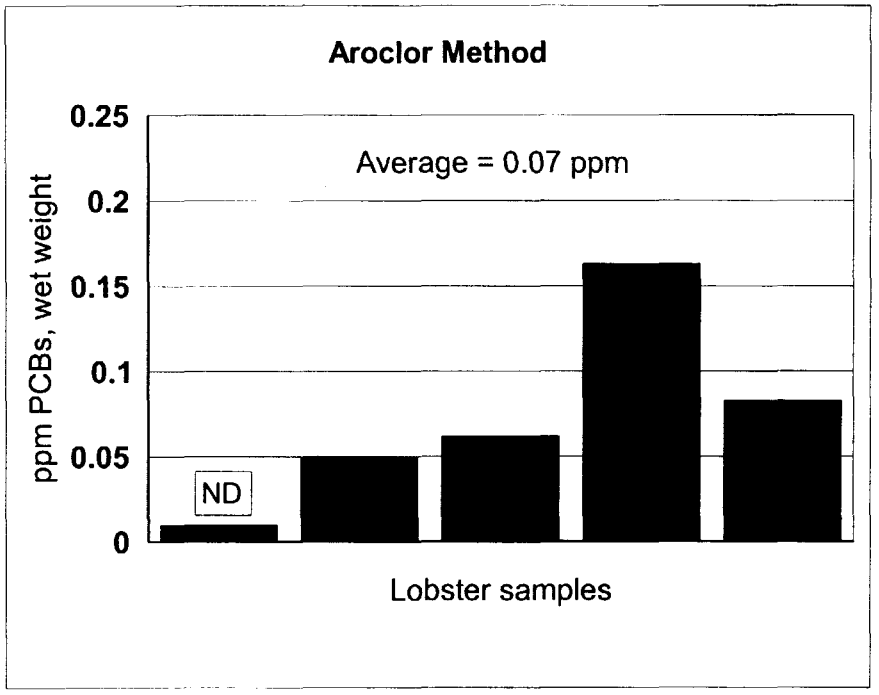


Figure 7a: PCBs in Lobster, 2002 - Closure Area II

Tail and claw meat only - no tomalley

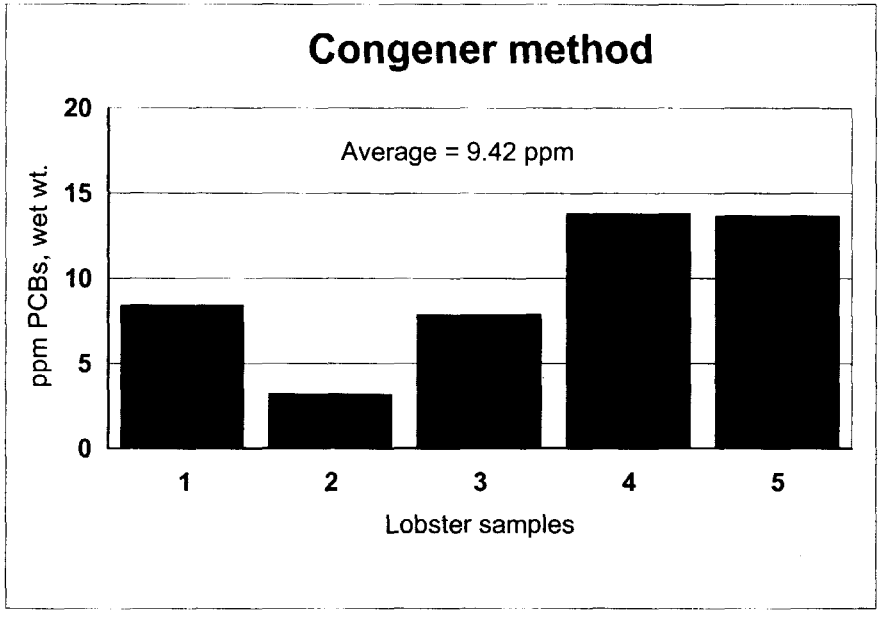




Note: for non-detects (ND), the value shown is the approximate value of the method detection level for each individual Aroclor.

Figure 7b: PCBs in Lobster, 2002 - Closure Area II

Tomalley only



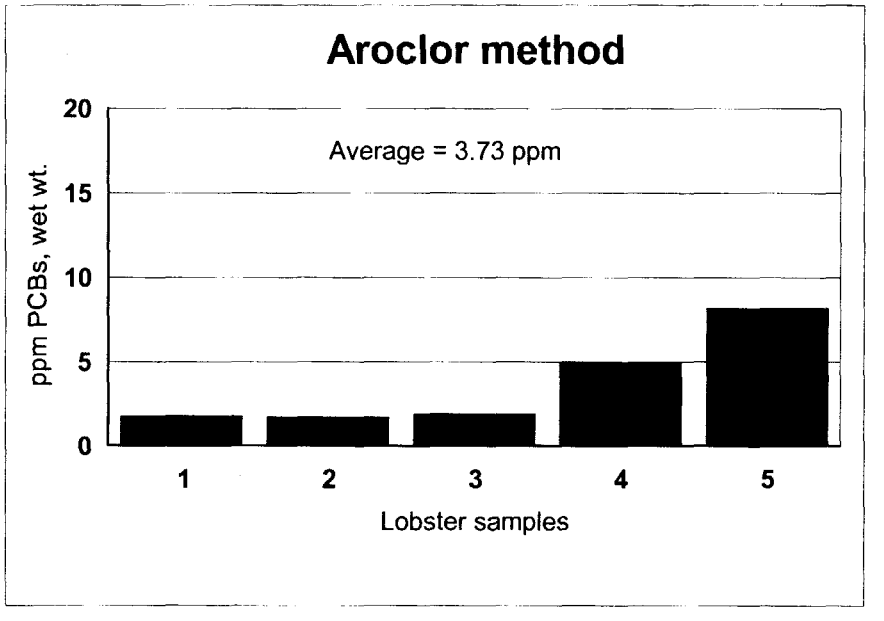
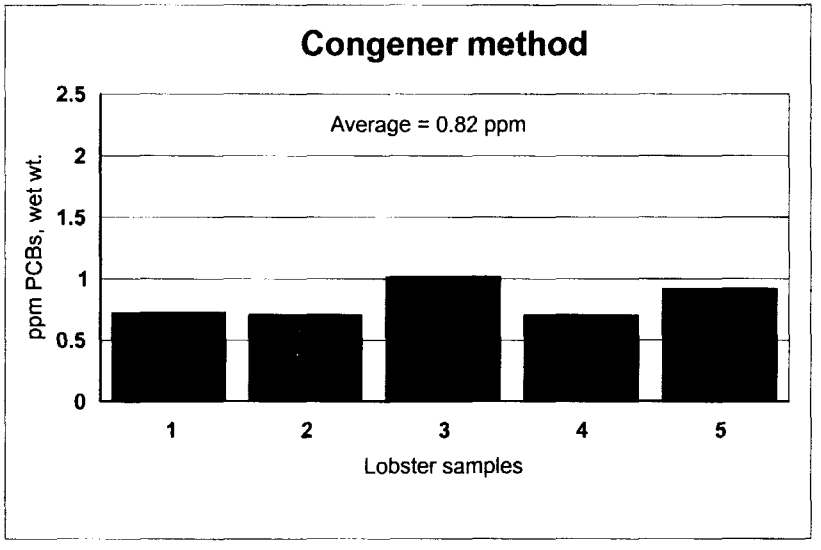


Figure 8: PCBs in Lobster, 2002 - Closure Area III

Tomalley, tail and claw meat



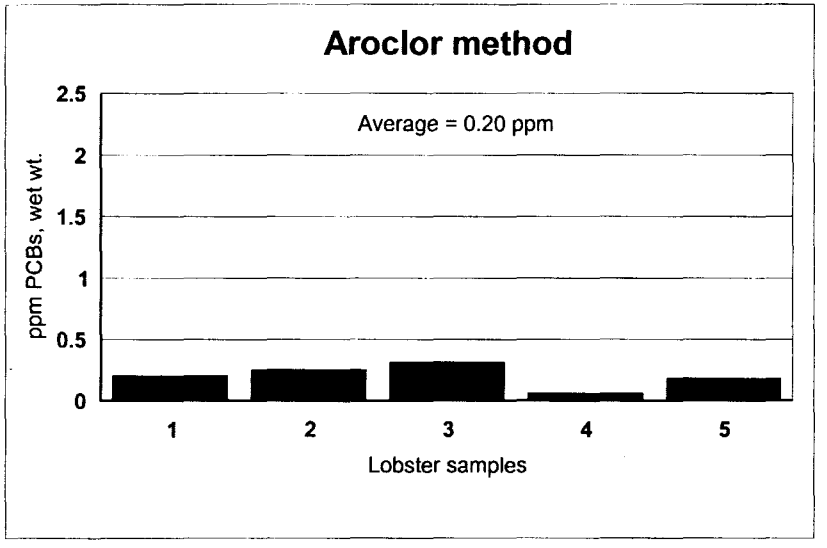
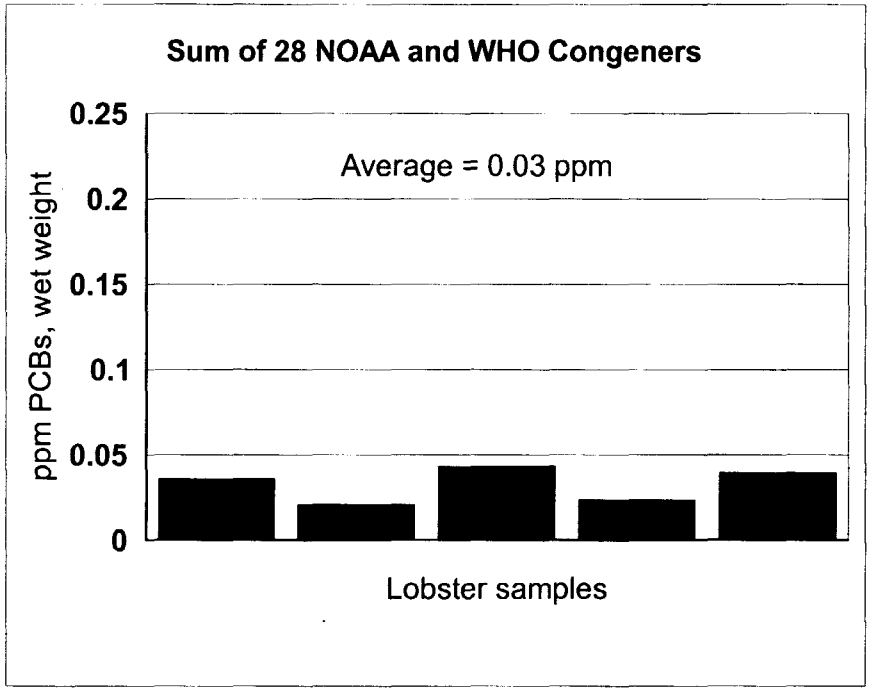
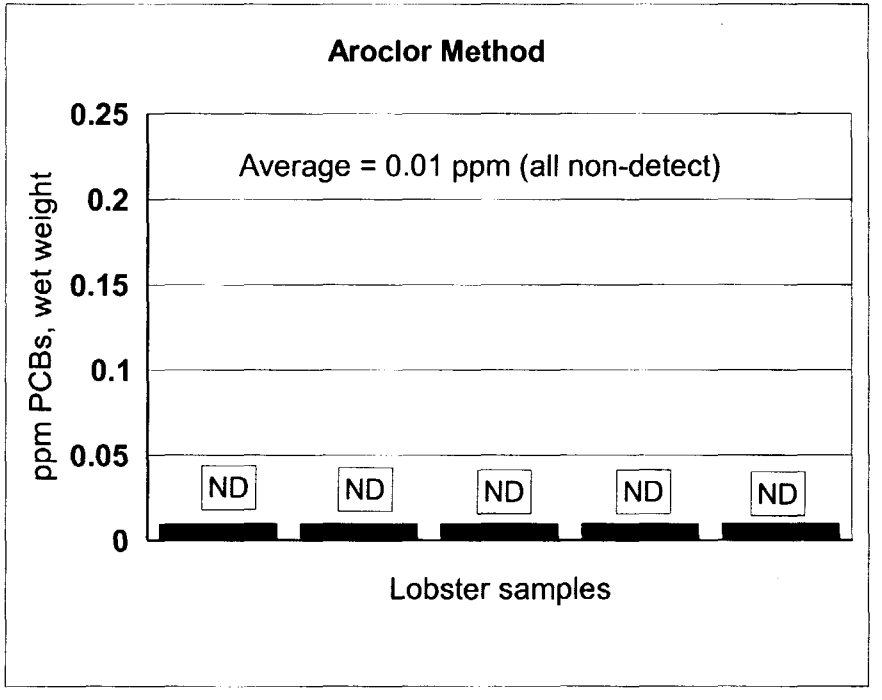


Figure 8a: PCBs in Lobster, 2002 - Closure Area III

Tail and claw meat only - no tomalley

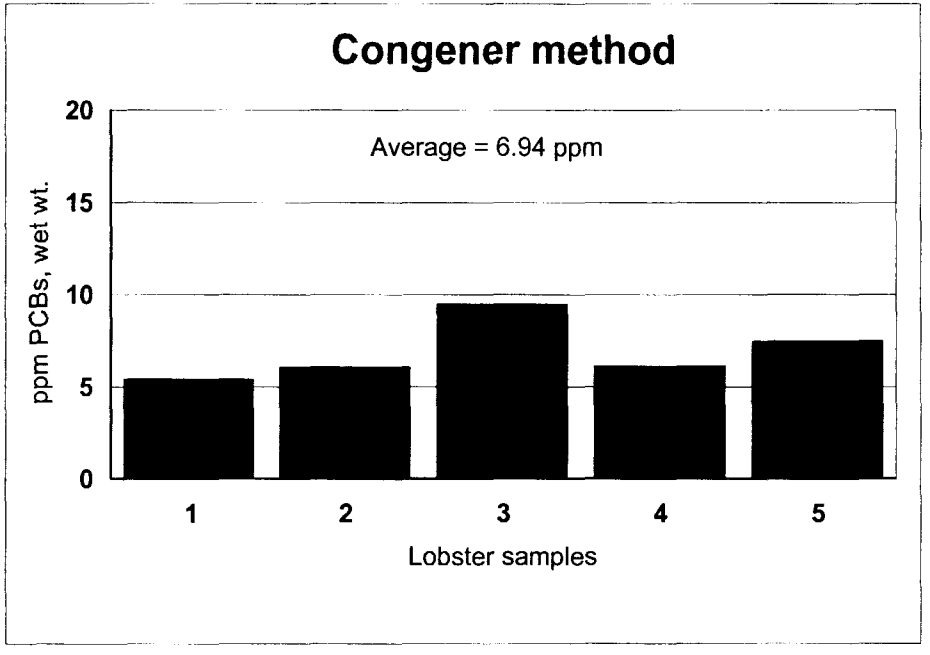




Note: for non-detects (ND), the value shown is the approximate value of the method detection level for each individual Aroclor.

Figure 8b: PCBs in Lobster, 2002 - Closure Area III

Tomalley only



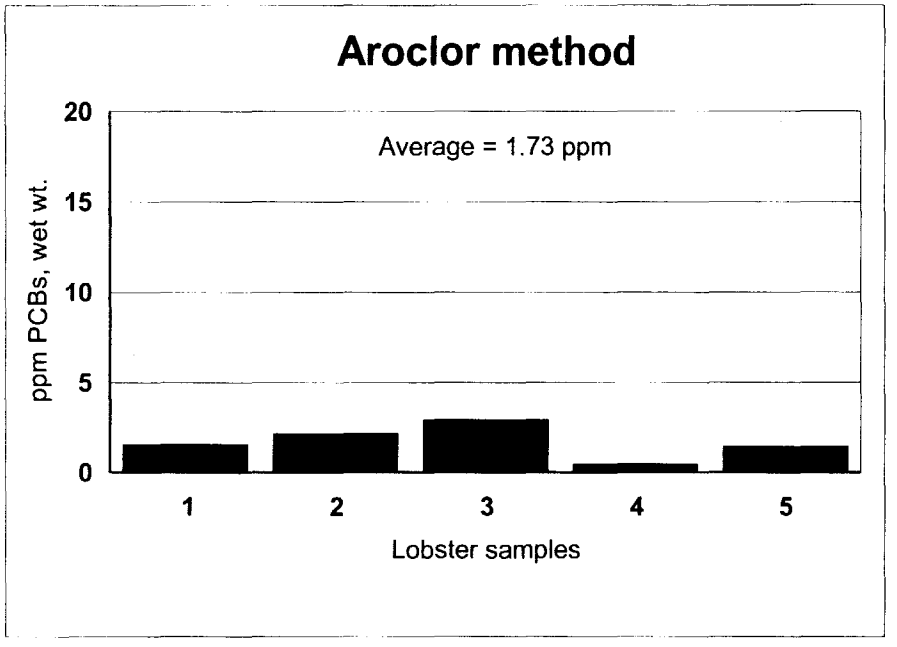
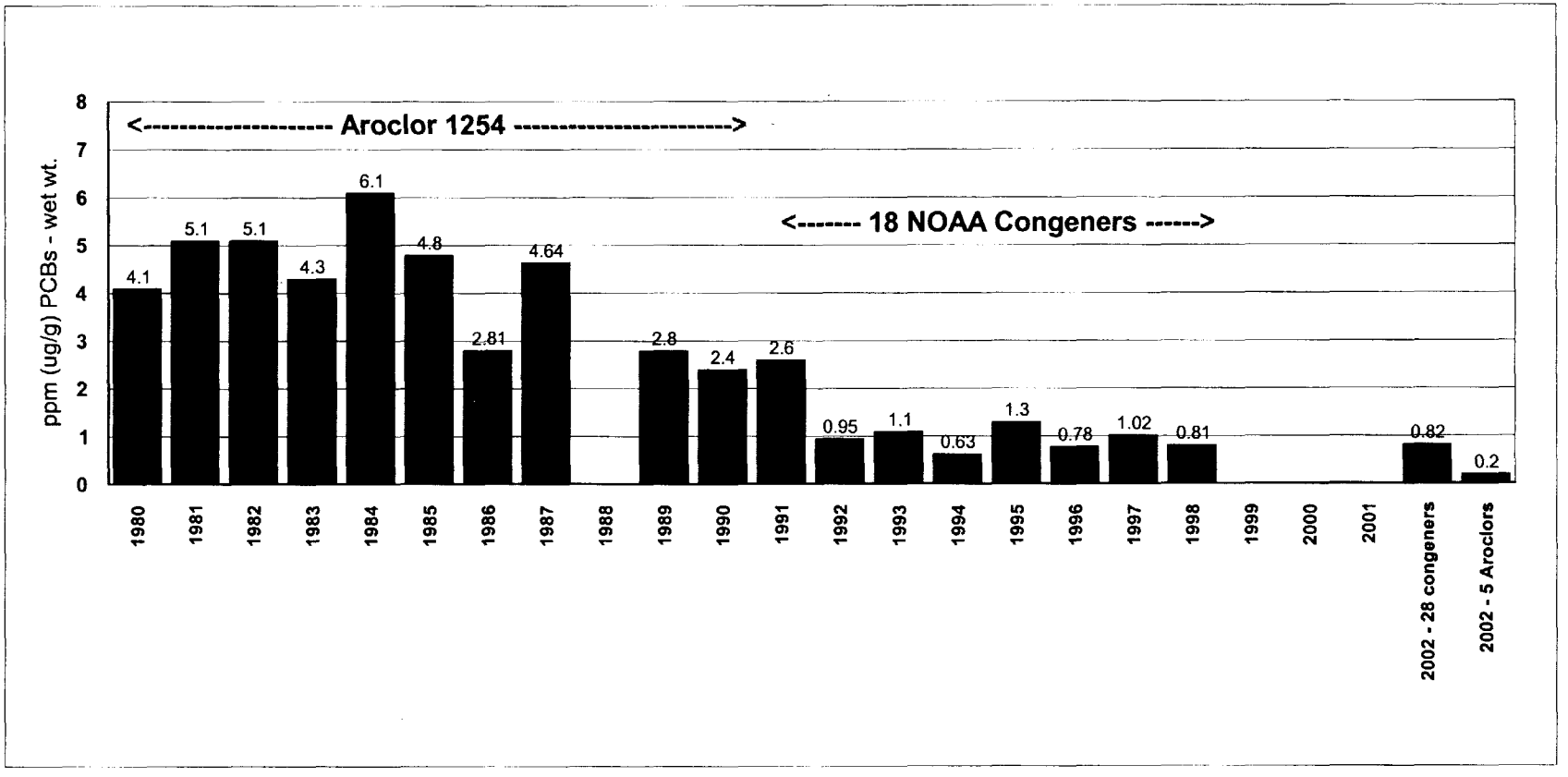


Figure 9 - Spring Season Average PCB Levels in Lobster Since 1980, Area III
New Bedford Harbor Superfund Site

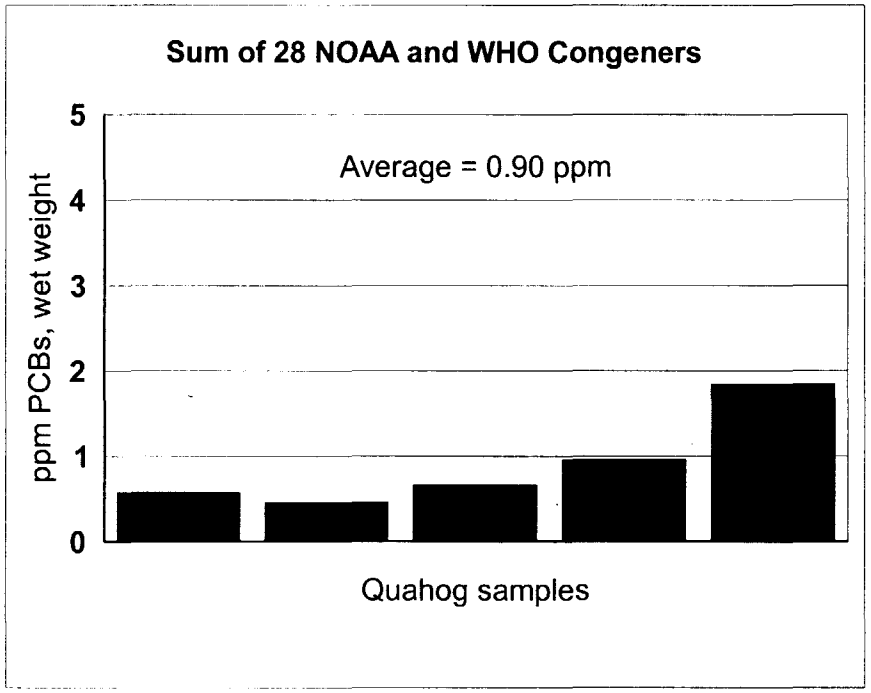
Tail and claw meat with tomalley (see note #4)



Notes:

1. Data from 1980 through 1998 are as reported by the MA DMF. Data for 2002 is from the MA DEP.
2. No data available for 1988, 1999, 2000 and 2001.
3. Data for 1981 is from summer, and data for 2002 is from fall.
4. Tomalley protocol: for DMF data (1990- 1998), the tomalley was physically included with the tail and claw meat prior to analysis. For DEP data (2002), the tomalley was analyzed separately from the tail and claw meat, and a weighted average was performed to calculate a combined concentration.

Figure 10: PCBs in Quahogs, 2002 - Closure Area I



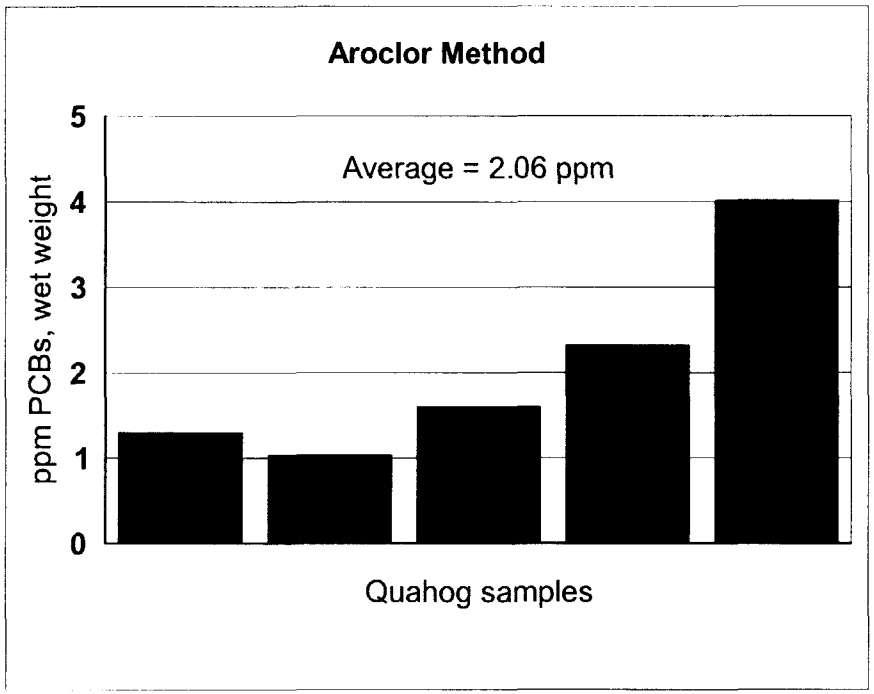
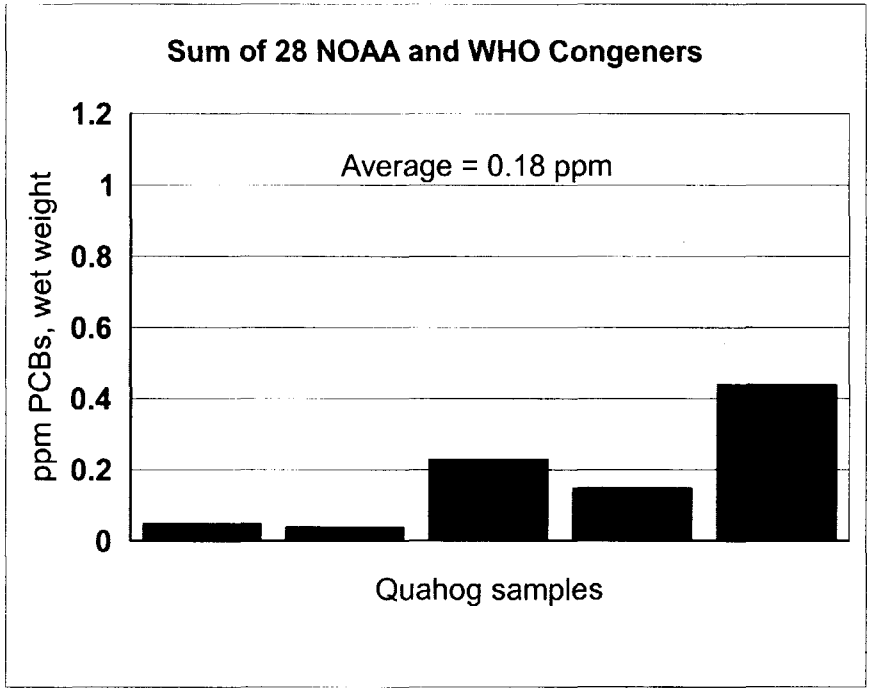


Figure 11 PCBs in Quahogs, 2002 - Closure Area II



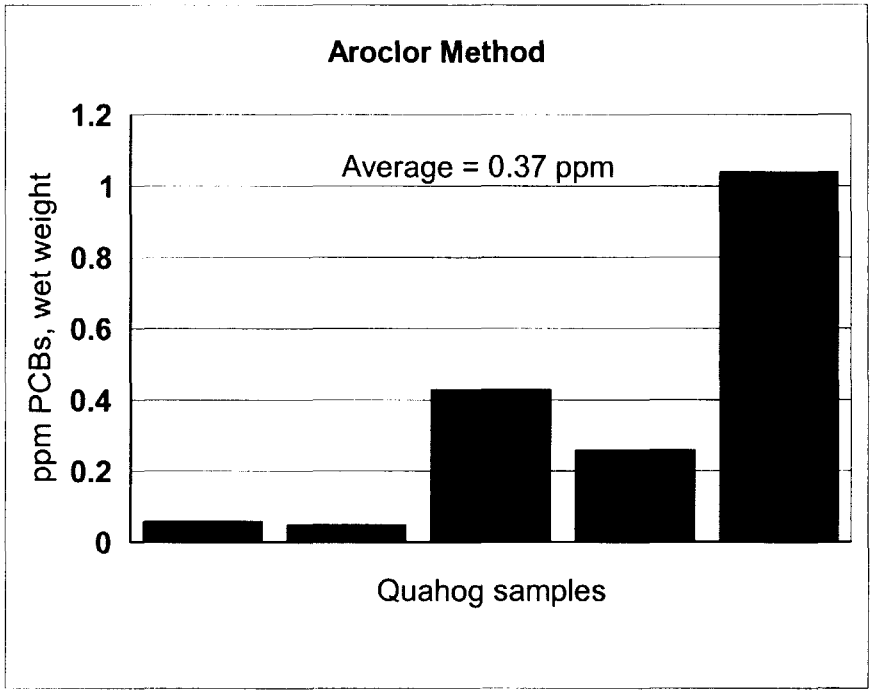
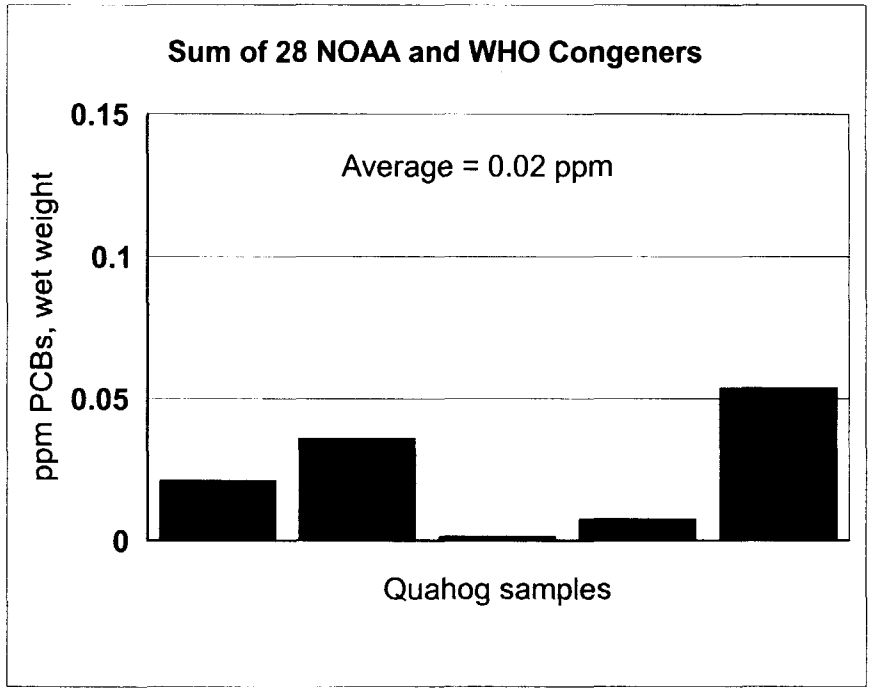
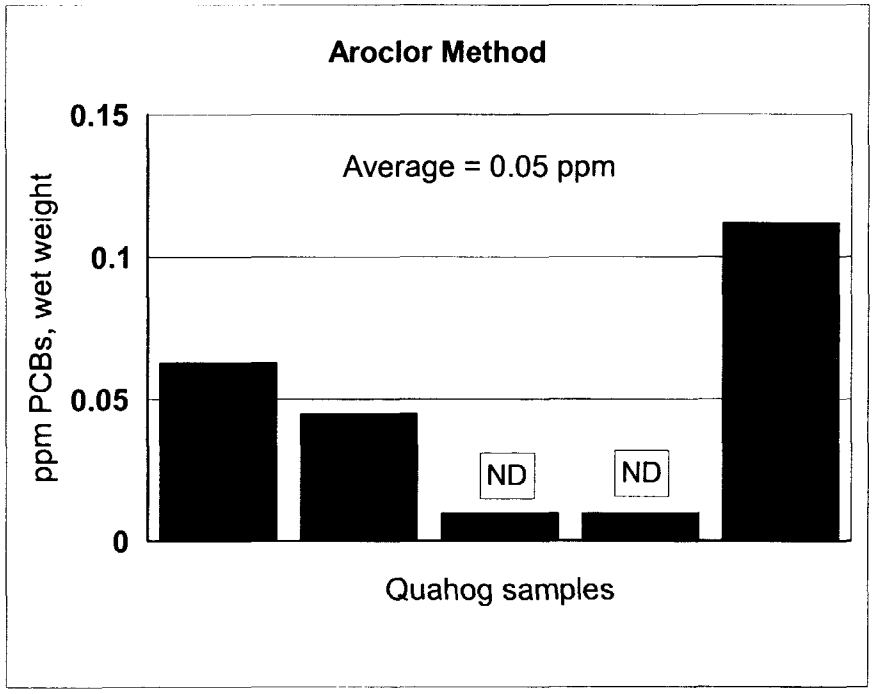


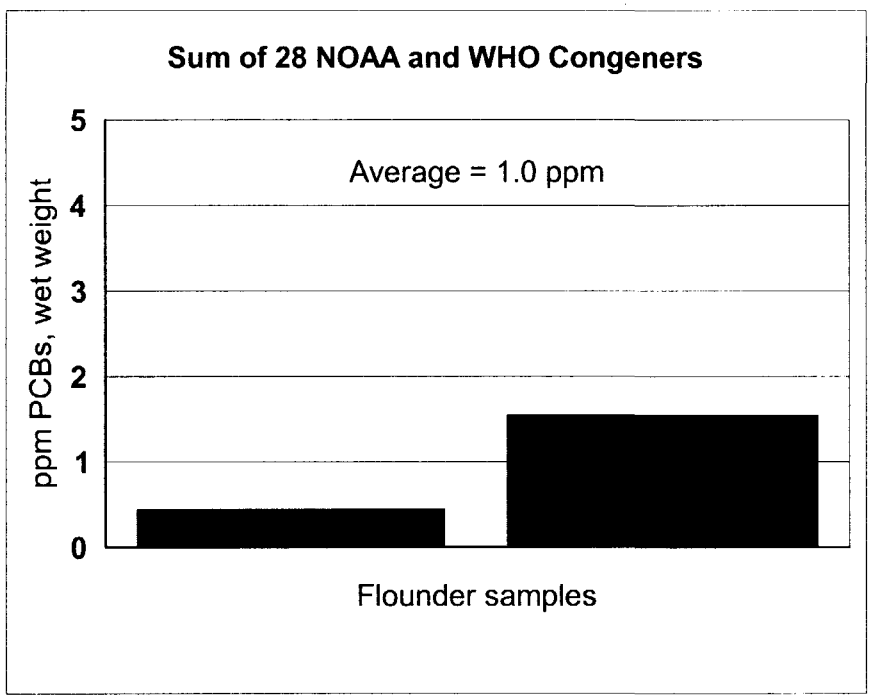
Figure 12: PCBs in Quahogs, 2002 - Closure Area III





Note: for non-detects (ND), the value shown is the approximate value of the method detection level for each individual Aroclor.

Figure 13: PCBs in Flounder, 2002 - Closure Area I



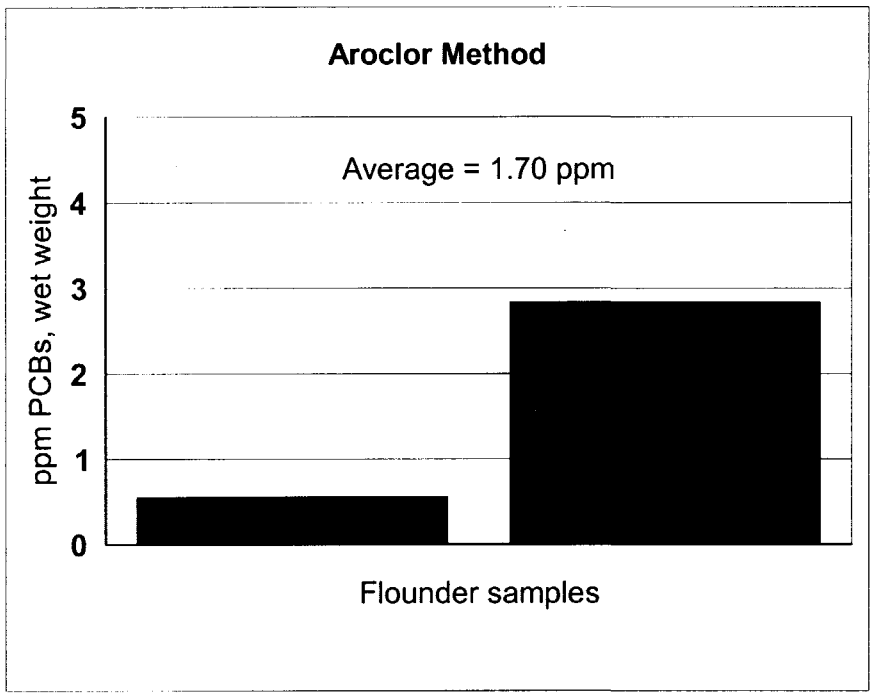
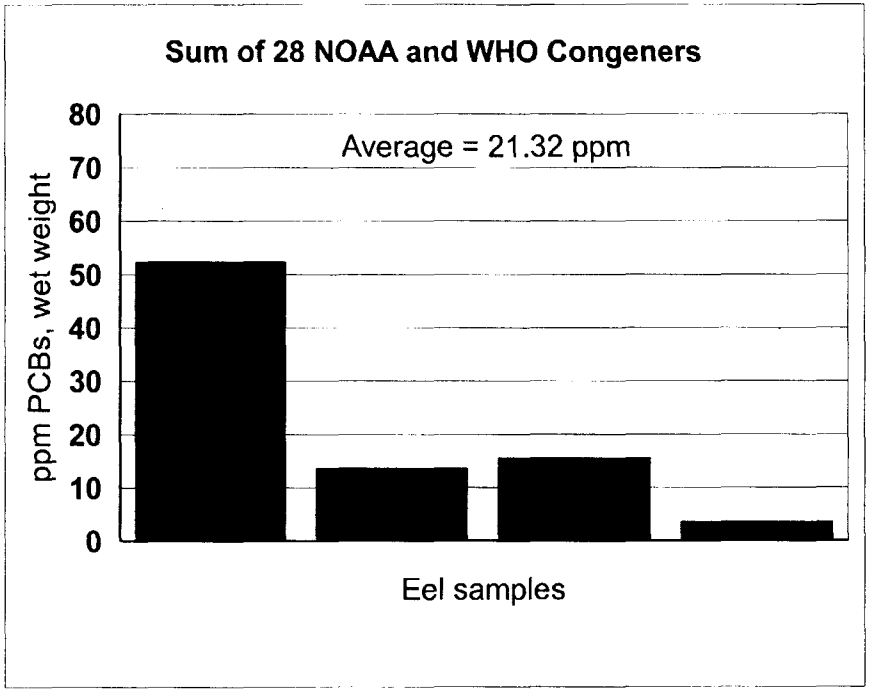


Figure 14: PCBs in Eel, 2002 - Closure Area I



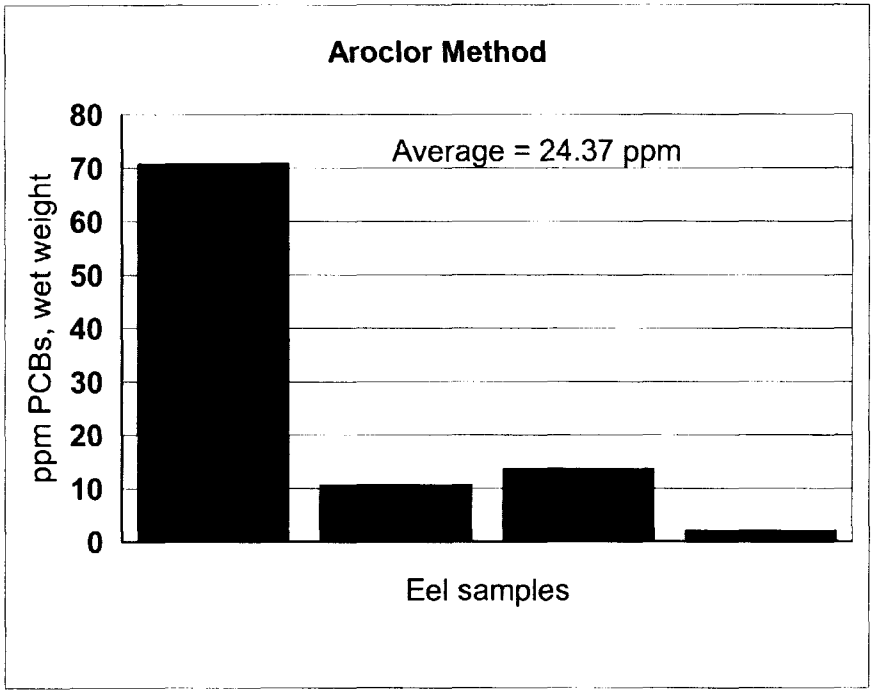
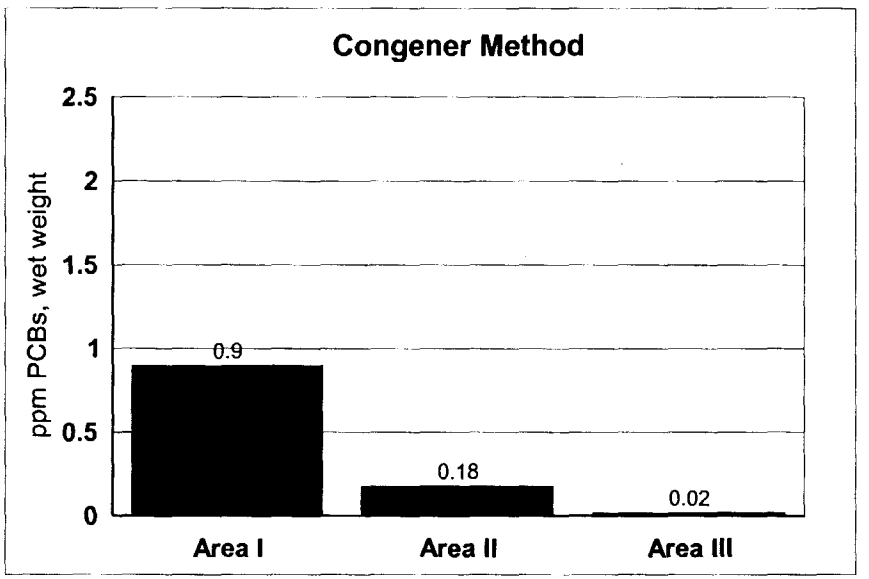


Figure 15: Average PCB Levels in Quahog by Closure Area, 2002



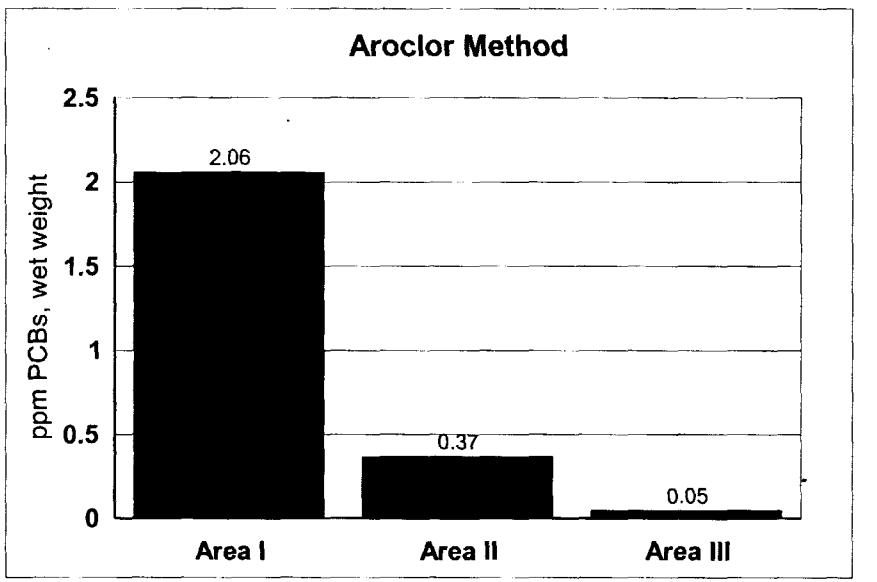
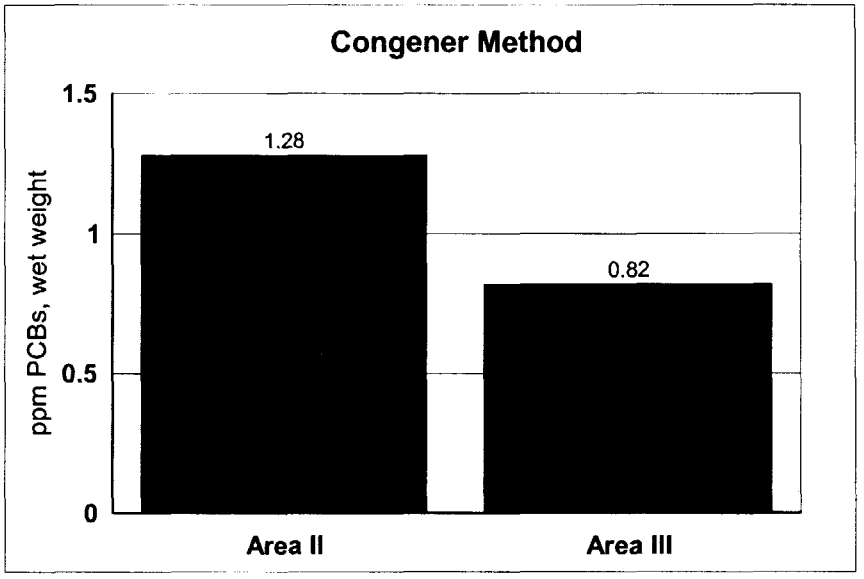


Figure 16: Average PCB Levels in Lobster by Closure Area, 2002

Tail and claw meat with tomalley



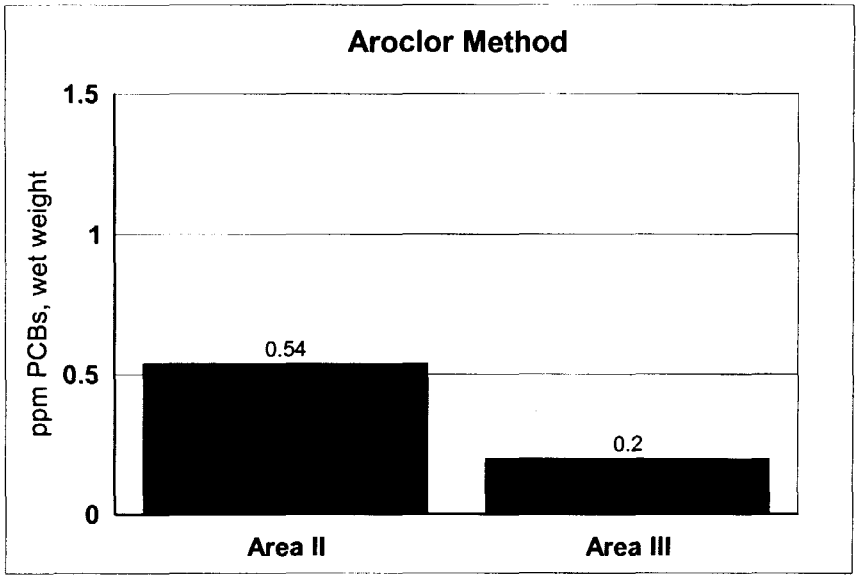


Table 1 - Sample Data for Quahogs, 2002 (ug/g wet weight)

Sample #	Species	Closure Area	Station	Sum of 28 Congeners	Sum of 5 Aroclors	Lipids %	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	BZ.8
2003005-001	Quahog	II	A	0.05	0.06	0.32	ND	0.045	ND	0.016	ND	0.0011
2003005-002	Quahog	II	B	0.04	0.05	0.28	ND	0.046	ND	ND	ND	ND
2003005-003	Quahog	II	C	0.23	0.43	0.57	ND	0.14	ND	0.27	0.023	0.0011
2003005-004	Quahog	II	D	0.15	0.26	0.39	ND	0.12	ND	0.14	ND	ND
2003005-005	Quahog	II	E	0.44	1.04	0.49	ND	0.41	ND	0.59	0.04	0.0062
2003005-006	Quahog	I	A	0.58	1.30	0.63	ND	0.47	ND	0.8	0.031	0.0048
2003005-007	Quahog	I	B	0.46	1.04	0.47	ND	0.4	ND	0.6	0.038	0.0025
2003005-008	Quahog	I	C	0.67	1.60	0.46	ND	0.63	ND	0.91	0.061	0.0054
2003005-009	Quahog	I	D	0.96	2.33	0.62	ND	0.97	ND	1.3	0.058	0.0095
2003005-010	Quahog	I	E	1.85	4.02	0.61	ND	1.7	ND	2.2	0.12	0.3
2003005-011	Quahog	III	A	0.02	0.06	0.41	ND	0.028	ND	0.035	ND	ND
2003005-012	Quahog	III	B	0.04	0.05	0.47	ND	0.031	ND	0.014	ND	ND
2003005-013	Quahog	III	C	0.002	ND	0.33	ND	ND	ND	ND	ND	ND
2003005-014	Quahog	III	D	0.01	ND	0.3	ND	ND	ND	ND	ND	ND
2003005-015	Quahog	III	E	0.05	0.11	0.35	ND	0.036	ND	0.076	ND	ND

ND = not detected

Sample #	BZ.18	BZ.28	BZ.44	BZ.52	BZ.66	BZ.101	BZ.128	BZ.138	BZ.153	BZ.170	BZ.180	BZ.187	BZ.195	BZ.206
2003005-001	0.005	ND	0.0017	0.005	0.0051	0.0075	ND	0.0059	0.0085	ND	0.0015	ND	ND	ND
2003005-002	0.0046	ND	ND	0.0043	0.004	0.0058	ND	0.0047	0.0071	ND	ND	ND	ND	ND
2003005-003	0.016	0.025	0.017	0.036	0.025	0.025	0.0035	0.023	0.023	0.0021	0.0045	0.0041	ND	ND
2003005-004	0.014	0.022	0.016	0.029	0.022	0.013	0.0014	0.0099	0.013	ND	0.0023	0.0025	ND	ND
2003005-005	0.038	0.055	0.026	0.075	0.048	0.059	0.0056	0.037	0.019	0.0032	0.0053	0.0058	ND	ND
2003005-006	0.037	0.082	0.033	0.11	0.052	0.074	0.0056	0.039	0.049	0.0032	0.0047	0.0077	ND	ND
2003005-007	0.036	0.074	0.03	0.083	0.047	0.058	0.0043	0.03	0.034	0.0024	0.005	0.0053	ND	ND
2003005-008	0.052	0.11	0.038	0.12	0.065	0.088	0.0067	0.047	0.025	0.0039	0.0073	0.0064	ND	ND
2003005-009	0.077	0.15	0.053	0.17	0.086	0.13	0.0078	0.063	0.063	0.0049	0.0094	0.0088	ND	ND
2003005-010	0.13	0.35	0.082	0.27	0.061	0.2	0.016	0.091	0.11	0.0078	0.017	0.02	0.0012	ND
2003005-011	0.0063	ND	ND	0.0028	ND	ND	ND	0.0043	0.0042	ND	ND	ND	ND	ND
2003005-012	0.0027	ND	0.0016	0.004	0.0047	0.006	ND	0.0049	0.0064	ND	ND	ND	ND	ND
2003005-013	ND	ND	ND	ND	ND	ND	ND	0.0017	ND	ND	ND	ND	ND	ND
2003005-014	ND	ND	ND	ND	ND	ND	ND	0.0038	0.0039	ND	ND	ND	ND	ND
2003005-015	ND	ND	0.0023	0.0065	0.0059	ND	0.0014	0.0099	0.012	ND	0.0016	0.0025	ND	ND

Sample #	BZ.209	Sum of 16 NOAA Congeners	BZ.77	BZ.81	BZ.105	BZ.114	BZ.118	BZ.123	BZ.126	BZ.156	BZ.157	BZ.167	BZ.169
2003005-001	ND	0.0413	ND	ND	ND	ND	0.0071	ND	ND	ND	ND	ND	ND
2003005-002	ND	0.0305	ND	ND	ND	ND	0.0057	ND	ND	0.0036	ND	ND	ND
2003005-003	ND	0.2053	0.0033	0.0047	ND	ND	0.015	ND	ND	ND	ND	ND	ND
2003005-004	ND	0.1451	ND	ND	ND	ND	0.0086	ND	ND	0.0011	ND	ND	ND
2003005-005	ND	0.3831	ND	ND	0.0043	ND	0.048	ND	ND	0.0053	0.0018	0.0024	ND
2003005-006	ND	0.5020	ND	ND	0.0098	ND	0.06	ND	ND	0.004	0.0015	0.002	ND
2003005-007	ND	0.4115	0.0031	ND	ND	ND	0.041	ND	ND	0.0037	0.0015	0.0018	ND
2003005-008	ND	0.5747	0.0055	ND	0.0043	ND	0.07	ND	0.0015	0.0058	0.0022	0.003	ND
2003005-009	ND	0.8324	0.0071	ND	0.012	ND	0.098	ND	ND	0.0074	0.0023	0.0032	ND
2003005-010	ND	1.6560	0.011	ND	0.011	ND	0.15	ND	ND	0.011	0.0034	0.0077	ND
2003005-011	ND	0.0176	ND	ND	ND	ND	0.0037	ND	ND	ND	ND	ND	ND
2003005-012	ND	0.0303	ND	ND	ND	ND	0.0058	ND	ND	ND	ND	ND	ND
2003005-013	ND	0.0017	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2003005-014	ND	0.0077	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2003005-015	ND	0.0421	ND	ND	0.0014	ND	0.0092	ND	ND	0.0012	ND	ND	ND

Table 1 - PCB Data for Quahogs, 2002 (ug/g wet weight)

Sample #	BZ.189	Sum of 12 WHO Congeners	Cadmium	Chromium	Copper	Lead	Solids %	Weight g - wet
2003005-001	ND	0.0071	0.064	0.35	1.75	0.389	11.5	618
2003005-002	ND	0.0093	0.033	0.169	0.734	0.086	10.8	541
2003005-003	ND	0.023	0.141	0.339	2.33	0.189	15.7	506
2003005-004	ND	0.0097	0.065	0.293	1.67	0.201	13	576
2003005-005	ND	0.0618	0.052	0.296	2.16	0.462	13.8	354
2003005-006	ND	0.0773	0.066	0.277	2.95	1.02	15.4	339
2003005-007	ND	0.0511	0.084	0.315	2.86	0.972	14.7	639
2003005-008	ND	0.0923	0.098	0.617	7.1	1.8	14.1	379
2003005-009	ND	0.13	0.071	0.458	3.68	1.37	14.7	274
2003005-010	ND	0.1941	0.112	0.633	4.08	1.37	14.1	313
2003005-011	ND	0.0037	0.054	0.257	2.37	0.83	13.4	417
2003005-012	ND	0.0058	0.084	0.102	1.97	0.377	14.5	435
2003005-013	ND	ND	0.063	0.097	1.7	0.075	10.5	140
2003005-014	ND	ND	0.083	0.061	1.2	0.096	10.5	766
2003005-015	ND	0.0118	0.109	0.383	1.75	0.3	13.1	592

Table 2 - Sample Data for Lobsters, 2002 (ug/g wet weight)

Sample #	Species	Closure Area	Station	Sum of 28 Congeners	Sum of 5 Aroclors	Lipids %	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254
2003006-001	Lobster Meat	III	A-Angelica Rock	0.04	ND	0.26	ND	ND	ND	ND
2003006-002	Lobster Tomalley	III	A-Angelica Rock	5.45	1.56	17	ND	0.59	ND	0.36
2003006-003	Lobster Meat	III	B-Radome R8	0.02	ND	0.19	ND	ND	ND	ND
2003006-004	Lobster Tomalley	III	B-Radome R8	6.10	2.17	25	ND	0.42	ND	0.55
2003006-005	Lobster Meat	III	C-SP Rock C 1	0.04	ND	0.21	ND	ND	ND	ND
2003006-006	Lobster Tomalley	III	C-SP Rock C 1	9.51	2.95	16	ND	ND	ND	0.85
2003006-007	Lobster Meat	III	D-Sand Spit R 4	0.02	ND	0.23	ND	ND	ND	ND
2003006-008	Lobster Tomalley	III	D-Sand Spit R 4	6.15	0.48	28	ND	ND	ND	ND
2003006-009	Lobster Meat	III	Station E Lone Rock N 4	0.04	ND	0.27	ND	ND	ND	ND
2003006-010	Lobster Tomalley	III	Station E Lone Rock N 4	7.51	1.47	21	ND	ND	ND	0.37
2003006-011	Lobster Meat	II	Station A SMAST Pier	0.06	ND	0.28	ND	ND	ND	ND
2003006-012	Lobster Tomalley	II	Station A SMAST Pier	8.44	1.79	18	ND	ND	ND	0.69
2003006-013	Lobster Meat	II	Station B Sconticut Neck	0.05	0.05	0.3	ND	0.05	ND	ND
2003006-014	Lobster Tomalley	II	Station B Sconticut Neck	3.22	1.72	16	ND	0.54	ND	0.58
2003006-015	Lobster Meat	II	Station C Ricketsons Pt	0.04	0.06	0.21	ND	0.062	ND	ND
2003006-016	Lobster Tomalley	II	Station C Ricketsons Pt	7.90	1.92	25	ND	ND	ND	0.82
2003006-017	Lobster Meat	II	Station D E Fort Rodman	0.22	0.16	0.23	ND	0.14	ND	ND
2003006-018	Lobster Tomalley	II	Station D E Fort Rodman	13.82	5.00	15	ND	1.1	ND	2
2003006-019	Lobster Meat	II	Station E Fort Phoenix	0.22	0.08	0.33	ND	0.061	ND	ND
2003006-020	Lobster Tomalley	II	Station E Fort Phoenix	13.70	8.20	12	ND	1.7	ND	4.9

ND = not detected

Table 2 - Sample Data for Lobsters, 2002 (ug/g wet weight)

Sample #	Aroclor 1260	BZ.8	BZ.18	BZ.28	BZ.44	BZ.52	BZ.66	BZ.101	BZ.128	BZ.138	BZ.153	BZ.170	BZ.180
2003006-001	ND	ND	ND	ND	ND	ND	0.0044	ND	0.0018	0.0075	0.014	ND	0.0013
2003006-002	0.61	ND	0.035	0.16	ND	0.039	0.26	0.17	0.13	1	1.6	0.082	0.13
2003006-003	ND	ND	0.0021	ND	ND	ND	ND	ND	ND	0.0044	0.0082	ND	ND
2003006-004	1.2	ND	0.024	0.083	ND	ND	0.19	ND	0.22	1.3	1.9	0.1	0.24
2003006-005	ND	ND	ND	ND	ND	ND	ND	ND	0.0025	0.0074	0.017	ND	0.0025
2003006-006	2.1	ND	ND	0.17	ND	ND	0.24	0.21	0.37	1.4	3.1	0.23	0.48
2003006-007	ND	ND	ND	ND	ND	ND	ND	ND	0.0012	0.0058	0.0099	ND	ND
2003006-008	0.48	ND	ND	0.08	ND	ND	0.2	0.19	0.23	1.4	1.9	0.074	0.14
2003006-009	ND	ND	ND	ND	ND	ND	ND	ND	0.0021	0.0078	0.015	ND	0.0019
2003006-010	1.1	ND	ND	0.27	ND	0.093	0.51	0.3	0.24	1.2	2.1	0.11	0.25
2003006-011	ND	ND	ND	ND	ND	ND	0.0052	ND	0.0033	0.013	0.018	0.0013	0.0021
2003006-012	1.1	ND	ND	0.24	ND	0.059	0.45	0.25	0.32	1.6	2.2	0.12	0.27
2003006-013	ND	ND	0.0022	0.0039	ND	ND	0.0045	ND	0.0017	0.0066	0.013	ND	0.0012
2003006-014	0.6	ND	0.031	0.24	ND	0.033	0.26	0.079	0.077	0.7	0.65	0.074	0.11
2003006-015	ND	ND	0.0022	ND	ND	ND	0.0036	ND	0.0021	0.0074	0.013	ND	ND
2003006-016	1.1	ND	ND	0.18	ND	ND	0.43	0.15	0.29	1.4	2.2	0.12	0.27
2003006-017	0.023	ND	0.0041	0.013	ND	0.0046	0.019	ND	0.0074	0.035	0.051	0.0034	0.0047
2003006-018	1.9	ND	0.058	0.65	ND	0.24	0.72	0.37	0.53	2.3	3.3	0.27	0.49
2003006-019	0.022	ND	0.0042	0.017	ND	0.0042	0.021	0.0053	0.0056	0.027	0.045	0.0026	0.0044
2003006-020	1.6	0.028	0.1	0.86	0.038	0.28	1	0.44	0.36	2	3.1	0.19	0.35

Table 2 - Sample Data for Lobsters, 2002 (ug/g wet weight)

Sample #	BZ.187	BZ.195	BZ.206	BZ.209	Sum of 16 NOAA Congeners	BZ.77	BZ.81	BZ.105	BZ.114	BZ.118	BZ.123	BZ.126	BZ.156
2003006-001	ND	ND	ND	ND	0.0290	ND	ND	ND	ND	0.0073	ND	ND	ND
2003006-002	0.13	ND	ND	ND	3.7360	ND	ND	0.24	0.023	1.3	ND	ND	0.11
2003006-003	ND	ND	ND	ND	0.0147	ND	ND	ND	ND	0.0064	ND	ND	ND
2003006-004	0.19	ND	ND	ND	4.2470	ND	ND	0.21	0.013	1.3	ND	ND	0.17
2003006-005	0.0024	ND	ND	ND	0.0318	ND	ND	0.003	0.007	ND	ND	ND	0.0016
2003006-006	0.43	0.02	0.019	ND	6.6690	ND	ND	0.38	0.048	1.9	ND	ND	0.22
2003006-007	ND	ND	ND	ND	0.0169	ND	ND	ND	ND	0.0068	ND	ND	ND
2003006-008	0.2	ND	ND	ND	4.4140	ND	ND	0.21	0.02	1.2	ND	ND	0.14
2003006-009	ND	ND	ND	ND	0.0268	ND	ND	0.0029	ND	0.0087	ND	ND	0.0013
2003006-010	0.18	ND	ND	ND	5.2530	ND	ND	0.3	0.013	1.6	ND	ND	0.16
2003006-011	ND	ND	ND	ND	0.0429	ND	ND	0.0039	ND	0.015	ND	ND	0.0012
2003006-012	0.18	ND	ND	ND	5.6890	ND	ND	0.33	0.041	2	ND	0.018	0.17
2003006-013	ND	ND	ND	ND	0.0331	ND	ND	0.0043	ND	0.011	ND	ND	0.0011
2003006-014	0.12	ND	ND	ND	2.3740	ND	ND	0.2	ND	0.44	ND	ND	0.097
2003006-015	ND	ND	ND	ND	0.0283	ND	ND	ND	ND	0.0073	ND	ND	0.0011
2003006-016	0.18	ND	ND	ND	5.2200	ND	ND	0.4	0.033	1.9	ND	ND	0.16
2003006-017	0.0048	ND	ND	ND	0.1470	ND	ND	0.013	ND	0.053	ND	ND	0.0046
2003006-018	0.37	0.016	ND	ND	9.3140	0.12	ND	0.58	0.073	3.1	ND	0.035	0.28
2003006-019	0.0048	ND	ND	ND	0.1411	ND	ND	0.013	ND	0.056	ND	ND	0.004
2003006-020	0.38	0.016	ND	ND	9.1420	0.19	ND	0.51	0.08	3.2	ND	0.034	0.25

Sample #	BZ.157	BZ.167	BZ.169	BZ.189	Sum of 12 WHO Congeners	Solids %	Cadmium	Chromium	Copper	Lead	Weight g - wet
2003006-001	ND	ND	ND	ND	0.0073	21.9	0.045	ND	30	ND	336
2003006-002	0.039	ND	ND	ND	1.7120	33	5.62	ND	59	ND	49
2003006-003	ND	ND	ND	ND	0.0064	21.7	0.067	ND	29	ND	436
2003006-004	0.059	0.1	ND	ND	1.8520	38.2	6.6	ND	254	ND	56
2003006-005	ND	ND	ND	ND	0.0116	17.7	0.085	ND	23	ND	381
2003006-006	0.1	0.19	ND	ND	2.8380	30.5	4.8	ND	328	ND	44
2003006-007	ND	ND	ND	ND	0.0068	21.9	0.039	ND	29	ND	443
2003006-008	0.054	0.11	ND	ND	1.7340	36.1	7.52	0.126	149	ND	56
2003006-009	ND	ND	ND	ND	0.0129	19.6	0.034	0.016	29	ND	499
2003006-010	0.059	0.12	ND	ND	2.2520	34.9	7	ND	328	ND	67
2003006-011	ND	ND	ND	ND	0.0201	20.6	0.032	ND	28	ND	573
2003006-012	0.065	0.13	ND	ND	2.7540	33.4	5.4	ND	420	ND	77
2003006-013	ND	ND	ND	ND	0.0164	22	0.022	ND	34	ND	516
2003006-014	0.034	0.074	ND	ND	0.8450	30.3	5.26	ND	158	ND	82
2003006-015	ND	ND	ND	ND	0.0084	23.2	0.038	ND	31	ND	557
2003006-016	0.067	0.12	ND	ND	2.6800	37.7	5.1	ND	337	ND	80
2003006-017	0.0015	0.0029	ND	ND	0.0750	19.6	0.019	ND	25	ND	427
2003006-018	0.1	0.2	ND	0.018	4.5060	25.4	4.1	ND	505	ND	60
2003006-019	0.0013	0.0029	ND	ND	0.0772	18.2	0.024	ND	24	ND	343
2003006-020	0.075	0.2	ND	0.014	4.5530	26.4	1.56	ND	230	ND	51

Table 3 - Sample Data for Winter Flounder and American Eel, 2002 (ug/g wet weight)

SAMPLE #	Species	Closure Area	Location	Sum of 28 Congeners	Sum of 5 Aroclors	Lipids %	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254
2003006-021	Winter Flounder	I	A: W-Barrier Open	0.45	0.56	0.14	ND	0.088	ND	0.44
2003006-022	Winter Flounder	I	B: 195 Overpass	1.55	2.84	0.18	ND	0.8	ND	1.9
2003006-023	American Eel	I	A:195 Overpass	52.39	70.90	9.3	ND	5.4	ND	62
2003006-024	American Eel	I	B: W lighthouse	13.63	10.72	8.5	ND	0.24	ND	9.6
2003006-025	American Eel	I	C: SW Culvert	15.59	13.70	5.1	ND	0.78	ND	12
2003006-026	American Eel	I	D: Marina	3.66	2.16	2	ND	0.56	ND	1.3

ND = Not detected

Table 3 - Sample Data for Winter Flounder and American Eel, 2002 (ug/g wet weight)

SAMPLE #	Aroclor 1260	BZ.8	BZ.18	BZ. 28	BZ.44	BZ.52	BZ.66	BZ.101	BZ.128	BZ.138	BZ.153	BZ.170	BZ.180	BZ.187
2003006-021	0.034	0.0014	0.0061	0.034	0.0015	0.015	0.034	0.018	0.0092	0.052	0.075	0.0044	0.0077	0.0045
2003006-022	0.14	0.019	0.049	0.28	0.035	0.14	0.088	0.16	0.017	0.1	0.15	0.01	0.02	0.02
2003006-023	3.5	ND	0.3	2.3	2.2	8.4	3.2	6.5	0.75	4.4	6.1	0.4	0.66	0.72
2003006-024	0.88	ND	ND	0.38	0.27	1.5	0.73	1.7	0.25	1.5	1.1	0.098	0.22	0.17
2003006-025	0.92	ND	0.052	0.36	0.33	1.4	0.73	1.9	0.28	1.6	2.1	0.097	0.21	0.18
2003006-026	0.3	ND	0.05	0.07	0.047	0.28	0.075	0.18	0.056	0.51	0.67	0.041	0.062	0.05

Table 3 - Sample Data for Winter Flounder and American Eel, 2002 (ug/g wet weight)

SAMPLE #	BZ.195	BZ.206	BZ.209	Sum of 16 NOAA Congeners	BZ.77	BZ.81	BZ.105	BZ.114	BZ.118	BZ.123	BZ.126	BZ.156	BZ.157
2003006-021	ND	ND	ND	0.2628	0.002	ND	0.013	ND	0.07	ND	ND	0.0055	0.0014
2003006-022	0.0019	0.0015	ND	1.0914	0.009	ND	0.03	0.0047	0.16	ND	ND	0.012	0.0029
2003006-023	ND	ND	ND	35.9300	ND	ND	0.57	0.19	6.5	ND	ND	0.5	0.13
2003006-024	ND	ND	ND	7.9180	ND	ND	0.45	ND	2.1	ND	ND	0.15	0.047
2003006-025	ND	ND	ND	9.2390	ND	ND	0.57	ND	2.3	ND	ND	0.15	0.045
2003006-026	ND	ND	ND	2.0910	0.018	ND	0.11	ND	0.56	ND	ND	0.05	0.014

Table 3 - Sample Data for Winter Flounder and American Eel, 2002 (ug/g wet weight)

SAMPLE #	BZ.167	BZ.169	BZ.189	Sum of 14 WHO Congeners	Abnor-malities	Cadmium	Chromium	Copper	Lead	Length cm	Sex	Solids %	Weight g - wet
2003006-021	0.0035	ND	ND	0.0956	None	ND	0.068	3.1	ND	29	Female	21.4	282
2003006-022	0.009	ND	ND	0.2272	None	ND	0.08	1.56	ND	27	Female	20.7	213
2003006-023	0.34	ND	ND	8.2300	None	ND	ND	0.12	ND	73	Unknown	30.8	830
2003006-024	0.11	ND	ND	2.8570	None	ND	0.066	1	ND	73	Unknown	20.9	764
2003006-025	0.11	ND	ND	3.1750	None	ND	ND	0.14	ND	43	Unknown	25.4	117
2003006-026	0.031	ND	ND	0.7830	None	ND	0.032	0.61	ND	57	Unknown	25.7	314

Table 4 - Metals in New Bedford Harbor Seafood, 2002 - ppm wet wt.

	Closure Area	Tomalley?	sample 1	sample 2	sample 3	sample 4	sample 5	Average	Standard Deviation
COPPER									
Flounder	I		3.100	1.560				2.330	1.089
Eel	I		0.120	1.000	0.140	0.610		0.468	0.502
Lobster	II	tail & claw	28.000	34.000	31.000	25.000	24.000	28.400	4.159
	II	tomalley only	420.000	158.000	337.000	505.000	230.000	330.000	139.962
	II	combined	74.000	51.000	69.000	84.000	51.000	65.800	14.550
	III	tail & claw	30.000	29.000	23.000	29.000	29.000	28.000	2.828
	III	tomalley only	59.000	254.000	328.000	149.000	328.000	223.600	117.666
	III	combined	34.000	55.000	55.000	42.000	64.000	50.000	11.895
Quahog	I		2.950	2.860	7.100	3.680	4.080	4.134	1.734
	II		1.750	0.734	2.330	1.670	2.160	1.729	0.621
	III		2.370	1.970	1.700	1.200	1.750	1.798	0.426
CHROMIUM									
Flounder	I		0.068	0.080				0.074	0.008
Eel	I		nd	0.066	nd	0.032		0.049	0.024
Lobster	II	tail & claw	nd	nd	nd	nd	nd	na	na
	II	tomalley only	nd	nd	nd	nd	nd	na	na
	II	combined	na	na	na	na	na	na	na
	III	tail &claw	nd	nd	nd	nd	0.016	na	na
	III	tomalley only	nd	nd	nd	0.126	nd	na	na
	III	combined	na	na	na	na	na	na	na
Quahog	I		0.277	0.315	0.617	0.458	0.633	0.460	0.165
	II		0.350	0.169	0.339	0.293	0.296	0.289	0.072
	III		0.257	0.102	0.097	0.061	0.383	0.180	0.136

	Closure Area	Tomalley?	sample 1	sample 2	sample 3	sample 4	sample 5	Average	Standard Deviation
CADMIUM									
Flounder	I		nd	nd				na	na
Eel	I		nd	nd	nd	nd		na	na
Lobster	II	tail & claw	0.032	0.022	0.038	0.019	0.024	0.027	0.008
	II	tomalley only	5.400	5.260	5.100	4.100	1.560	4.284	1.606
	II	combined	0.668	0.740	0.674	0.522	0.223	0.565	0.207
	III	tail & claw	0.045	0.067	0.085	0.039	0.034	0.054	0.021
	III	tomalley only	5.620	6.600	4.800	7.520	7.000	6.308	1.093
	III	combined	0.755	0.811	0.573	0.879	0.859	0.775	0.123
Quahog	I		0.066	0.084	0.098	0.071	0.112	0.086	0.019
	II		0.064	0.033	0.141	0.065	0.052	0.071	0.041
	III		0.054	0.084	0.063	0.083	0.109	0.079	0.021
LEAD									
Flounder	I		nd	nd				na	na
Eel	I		nd	nd	nd	nd		na	na
Lobster	II	tail & claw	nd	nd	nd	nd	nd	na	na
	II	tomalley only	nd	nd	nd	nd	nd	na	na
	II	combined	na	na	na	na	na	na	na
	III	tail & claw	nd	nd	nd	nd	nd	na	na
	III	tomalley only	nd	nd	nd	nd	nd	na	na
	III	combined	na	na	na	na	na	na	na
Quahog	I		1.020	0.972	1.800	1.370	1.370	1.306	0.334
	II		0.389	0.086	0.189	0.201	0.462	0.265	0.155
	III		0.830	0.377	0.075	0.096	0.300	0.336	0.305

nd = non-detect na = not applicable

Table 5 - Calculation of PCBs in tomalley, tail and claw meat, Area II

Aroclor method									(sum of products divided by total wt.)
sample #	ppm meat	wt meat	product	ppm tomalley	wt tomalley	product	total wt	sum of products	total conc.
006-011/12	0.01	573	5.73	1.79	77	137.83	650	143.56	0.22
006-013/14	0.05	516	25.8	1.72	82	141.04	598	166.84	0.28
006-015/16	0.062	557	34.534	1.92	80	153.6	637	188.134	0.3
006-017/18	0.163	427	69.601	5	60	300	487	369.601	0.76
006-019/20	0.083	343	28.469	8.2	51	418.2	394	446.669	1.13
								avg	0.538
Congener method									
006-011/12	0.063	573	36.099	8.443	77	650.111	650	686.21	1.06
006-013/14	0.0494	516	25.4904	3.219	82	263.958	598	289.4484	0.48
006-015/16	0.0367	557	20.4419	7.9	80	632	637	652.4419	1.02
006-017/18	0.222	427	94.794	13.82	60	829.2	487	923.994	1.9
006-019/20	0.2183	343	74.8769	13.695	51	698.445	394	773.3219	1.96
								avg	1.284

Table 6 - Calculation of tomalley, tail and claw meat, Area III

Aroclor method Sample #	ppm meat	wt meat	product	ppm tomalley	wt. tomalley	product	total wt	sum of products	(sum of products divided by total wt.) total conc.
006-001/2	0.01	336	3.36	1.56	49	76.44	385	79.8	0.2072727
006-003/4	0.01	436	4.36	2.17	56	121.52	492	125.88	0.2558537
006-005/6	0.01	381	3.81	2.95	44	129.8	425	133.61	0.3143765
006-007/8	0.01	443	4.43	0.48	56	26.88	499	31.31	0.0627455
006-009/10	0.01	499	4.99	1.47	67	98.49	566	103.48	0.1828269
								avg	0.204615
congener method									
006-001/2	0.04	336	13.44	5.448	49	266.952	385	280.392	0.7282909
006-003/4	0.02	436	8.72	6.099	56	341.544	492	350.264	0.7119187
006-005/6	0.04	381	15.24	9.507	44	418.308	425	433.548	1.0201129
006-007/8	0.02	443	8.86	6.148	56	344.288	499	353.148	0.7077114
006-009/10	0.04	499	19.96	7.505	67	502.835	566	522.795	0.9236661
								avg	0.81834

Appendix A

Ex [illegible]

Commonwealth of Massachusetts
Executive Office of Environmental Affairs
Department of Environmental Protection
Senator William X. Wall Experiment Station

Sample Tracking/ Chain-of-Custody Record

Cooler Temperature at Receipt ~70 °C

WES Sample Log-In # 2003005

3/24/03

Project Description

Name: ~~DEP/EPA~~ Fish
Site Name: New Bedford Hbr
RTN:
Case #:
Coordinator: Paul Craffey / O. Pancorbo

Region–Bureau–Division

NERO ___ SERO ___
CERO ___ WERO ___
Bureau: [illegible]
Division: [illegible]
Phone:
Fax:

Analytical Laboratory
(for samples sent to a laboratory other than WES)

Name:
Address:
Contact:
MA Cert#
Phone#

Field Locator (within Site)	Client ID (Field #)	Lab # (Log-In # above plus # below)	Collection Date	Collection Time	Receipt Date	Receipt Time	Sample G/C*	Sample Matrix**	Sample Preservative	Collector	Chlorine Residual (yes/no)	Analysis Requested
New Bedford Hbr	NBH02						G	FBT	FROZEN	MDMF	No	[illegible]
SEE ATTACHED							G	FBT		[illegible]	No	
SAMPLE DATA							G	FBT			No	
SHEETS							G	FBT			No	
							G	FBT			No	
							G	FBT			No	
							G	FBT			No	
							G	FBT			No	

Remarks:

*G/C = Grab/Composite

Chain of Custody: *(signatures required only for COC)*

Relinquished by: Printed name	Signature	Org.	Date	Time	Received by: Printed name	Signature	Org.	Date	Time
[illegible] WHITTAKER	[illegible]	MDMF	01/03/03	07:30	MATT CAMISA	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	MDMF	01/03/03	10:00	Carol Batdorf	[illegible]	DEP	[illegible]	[illegible]

**** MATRIX CODES**

AC = Air Canister
ACT = Air Cartridge Tube
AF = Air Filter
DW = Drinking Water
FBT = Fish/Biological Tissue
FEC = Feces/Fecal Matter
GRYW = Grey Water
GW = Ground Water
IWW = Industrial Wastewater
LL = Landfill Leachate
LW = Liquid Waste
ME = Marine/Estuarine Water
SED =-Sediment
SOIL = Soil
SRW = Surface Water
STW = Storm water/CSO
SW = Solid Waste
UN = Unspecified Water/Wastewater
WO = Waste Oil
WW = POTW Wastewater
WWS = Wastewater Sludge

FIELD COLLECTION FORM: DIVISION OF MARINE FISHERIES, ANNISQUAM RIVER MARINE FISHERIES STATION, 30 EMERSON AVE., GLOUCESTER, MA 01930

PROJECT #: NBH02 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED: _____

COLLECTOR: Dave WHITTAKER SHIPPER: _____ SAMPLE CONDITION: FRESH___ FROZEN ✓

2003005 -

COLLECTION DATE DDMMYY	COLLECTION/TAG # Field ID	SPECIES & # IN SAMPLE	STATION I.D. Field Location Station	LOCATION Site Area	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
19-06-02	01	13 QUAHOGS	A	II	41-36-.512 N 70-55-.305 W	RAKE	001
19-06-02	02	13 QUAHOGS	B	II	41-35-.950 N 70-55-.742 W	RAKE	002
19-06-02	03	14 QUAHOGS	C	II	41-35-.846 N 70-54-.120 W	RAKE	003
19-06-02	04	14 QUAHOGS	D	II	41-36-.745 N 70-53-.263 W	RAKE	004
19-06-02	05	20 QUAHOGS	E	II	41-36-.814 N 70-54-.534 W	RAKE	005
19-06-02	06	16 QUAHOGS	A	I	41-37-.401 N 70-54-.617 W	RAKE	006
19-06-02	07	14 QUAHOGS	B	I	41-37-.330 N 70-54-.847 W	RAKE	007
19-06-02	08	14 QUAHOGS	C	I	41-38-.251 N 70-54-.646 W	RAKE	008
19-06-02	09	13 QUAHOGS	D	I	41-38-.773 N 70-54-.658 W	RAKE	009
19-06-02	10	16 QUAHOGS	E	I	41-39-.172 N 70-55-.058 W	RAKE	010

FIELD COLLECTION FORM: DIVISION OF MARINE FISHERIES, ANNISQUAM RIVER MARINE FISHERIES STATION, 30 EMERSON AVE., GLOUCESTER, MA 01930

PROJECT #: NBH02 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED: _____

COLLECTOR: DAVE WHITTAKER SHIPPER: _____ SAMPLE CONDITION: FRESH ___ FROZEN ✓

2003005-

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
19-9-02	11	18 QUAHOGS	A	III	41-35-.41 N 70-57-.12 W	BULL RAKE TONGS	011
19-9-02	12	20 QUAHOGS	B	III	41-35-.35 N 70-57-.61 W	BULL RAKE TONGS	012
29-9-02	13	18 QUAHOGS	C	III	41-35-.60 N 70-50-.75 W	RAKE	013
9-9-02	14	18 QUAHOGS	D	III	41-34-.8 N 70-56-.6 W	BULL RAKE	014
11-9-02	15	18 QUAHOGS	E	III	41-34-.25 N 70-53-.75 W	HYDROLIC DREDGE	015

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-001 **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01 **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.064	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.35	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	1.8	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.39	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate		**Acceptance Criteria**					
PCNB	86	% Recovery	60 - 140		Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1242	0.045 M	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1254	0.016 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0071	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0015 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0011 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-001 **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01 **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 18	0.0050	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.0017 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.0050 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0051 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.0075	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0059	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0085	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Lipid Concentration	0.32	%			Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Solid Concentration	12	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	618	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-001A **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01A **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	92.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-001B	**Site:** AREA II				**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 01B	**Locator:** Station A				**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	57.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001C	**Site:** AREA II				**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 01C	**Locator:** Station A				**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	78.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001D	**Site:** AREA II				**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 01D	**Locator:** Station A				**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	92.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001E	**Site:** AREA II				**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 01E	**Locator:** Station A				**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001F	**Site:** AREA II				**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 01F	**Locator:** Station A				**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	66.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved

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NA = Not applicable

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R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-001F **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01F **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001G **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01G **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	106.0	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001H **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01H **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001I **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01I **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	90.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-001J **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 01J **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	71.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-001J	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	01J	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	90.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-001K	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	01K	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	100.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-002	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	02	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.033	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.17	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	0.73	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.086 M	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	90	% Recovery	60 - 140		Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1242	0.046 M	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-002	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 02	**Locator:** Station B	**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0057	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0036	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0046 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.0043 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0040 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.0058 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0047 M	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0071	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-002 **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02 **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Lipid Concentration	0.28	%			Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Solid Concentration	11	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	541	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-002A **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02A **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	65.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-002B **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02B **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	90.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-002C **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02C **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-002D **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02D **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	79.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-002E **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02E **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.0	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-002F **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02F **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-002G **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02G **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	70.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-002H **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 02H **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	73.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved

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NA = Not applicable

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DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-002H	02H	AREA II	Station B	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-002I	02I	AREA II	Station B	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-002J	02J	AREA II	Station B	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-002K	02K	AREA II	Station B	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	94.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-002L	02L	AREA II	Station B	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-002L	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	02L	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-003	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.14	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.34	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	2.3	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.19	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	85	% Recovery	60 - 140		Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1242	0.14	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1254	0.27	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1260	0.023 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.0033 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Compound quantitiated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	0.0047	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.015	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-003 **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03 **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 170	0.0021 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0045	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0011 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.016	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.025	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.017	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.036	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.025	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.025	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0035 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.023	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.023	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0041 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Lipid Concentration	0.57	%			Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Solid Concentration	16	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	506	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-003A **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03A **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
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LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-003A **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03A **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	76.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-003B **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03B **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	93.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-003C **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03C **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	88.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-003D **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03D **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-003E **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 03E **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	92.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-003E	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03E	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-003F	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03F	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.7	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-003G	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03G	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	94.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-003H	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03H	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	85.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-003I	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03I	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	70.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-003I	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03I	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-003K	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03K	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-003L	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	03L	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	69.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-004	**Site:**	AREA II			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	04	**Locator:**	Station D			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.065	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.29	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	1.7	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.20	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved

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RDL = Reporting Detection Limit (equiv. MRL)
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LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-004	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	04	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			**Acceptance Criteria**				
PCNB	84	% Recovery	60 - 140		Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1242	0.12	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1254	0.14	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0086	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0011 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0023 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.014	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.022	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.016	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.029	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved

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Estimated Value:
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B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
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MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
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LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-004 **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04 **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.022	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.013	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0014 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0099	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.013	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0025 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Lipid Concentration	0.39	%			Modified AOAC 983.21	03/24/2003 12:00 AM	Approved
Solid Concentration	13	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved
Weight	576	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-004A **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04A **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004B **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04B **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	104.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

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RDL = Reporting Detection Limit (equiv. MRL)
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-004C **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04C **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004D **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04D **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004E **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04E **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.2	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004F **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04F **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	95.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004G **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04G **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.2	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-004G | **Site:** AREA II | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04G | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004H | **Site:** AREA II | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04H | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	93.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004I | **Site:** AREA II | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04I | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	99.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004J | **Site:** AREA II | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04J | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	93.2	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-004K | **Site:** AREA II | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 04K | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-004K	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	04K	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-004L	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	04L	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-005	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	05	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.052	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.30	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	2.2	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.46	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	86	% Recovery	60 - 140		Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1242	0.41	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1254	0.59	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1260	0.040 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0043	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.048	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved

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- J = Other QC criteria not met (see comments)

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MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

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QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-005	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 05	**Locator:** Station E	**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0053	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0018 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0024 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0032 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0053	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0062	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.038	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.055	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.026	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.075	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.048	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.059	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0056	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.037	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.019	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0058 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Lipid Concentration	0.49	%			Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Solid Concentration	14	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-005	05	AREA II	Station E	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	354	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-005A	05A	AREA II	Station E	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-005B	05B	AREA II	Station E	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	73.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-005C	05C	AREA II	Station E	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	93.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#	Sample Field ID#	Site	Locator	Matrix	Collector	Collect Date	Receive Date
2003005-005D	05D	AREA II	Station E	FBT	Whittaker, D	06/19/2002 12:00 PM	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-005D	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	05D	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	74.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-005E	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	05E	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	78.1	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-005F	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	05F	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-005G	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	05G	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-005H	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	05H	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	74.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-005I **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 05I **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	72.1	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-005J **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 05J **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	73.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-005K **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 05K **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	58.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-005L **Site:** AREA II **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 05L **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.9	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006 **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06 **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.066	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-006	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	06	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Chromium	0.28	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	3.0	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	1.0	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	82	% Recovery	60 - 140		Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1242	0.47	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1254	0.80	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1260	0.031 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0098	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.060	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0040	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0015 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0020 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0032 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0047	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0048	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.037	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-006 **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06 **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 28	0.082	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.033	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.11	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.052	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.074	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0056	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.039	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.049	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0077	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Lipid Concentration	0.63	%			Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Solid Concentration	15	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved
Weight	339	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-006A **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06A **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006B **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06B **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-006B **Site:** AREA I
Sample Field ID#: 06B **Locator:** Station A
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	65.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006C **Site:** AREA I
Sample Field ID#: 06C **Locator:** Station A
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	88.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006D **Site:** AREA I
Sample Field ID#: 06D **Locator:** Station A
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	61.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006E **Site:** AREA I
Sample Field ID#: 06E **Locator:** Station A
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	76.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006F **Site:** AREA I
Sample Field ID#: 06F **Locator:** Station A
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	75.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-006F **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06F **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006G **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06G **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	75.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006H **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06H **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	95.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006I **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06I **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	85.9	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-006J **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 06J **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

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RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-006J	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	06J	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-006K	Site:	AREA I	Matrix:	FBT	Collect Date:	06/19/2002 12:00 PM
Sample Field ID#:	06K	Locator:	Station A	Collector:	Whittaker, D	Receive Date:	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	70.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-006L	Site:	AREA I	Matrix:	FBT	Collect Date:	06/19/2002 12:00 PM
Sample Field ID#:	06L	Locator:	Station A	Collector:	Whittaker, D	Receive Date:	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	76.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-007	Site:	AREA I	Matrix:	FBT	Collect Date:	06/19/2002 12:00 PM
Sample Field ID#:	07	Locator:	Station B	Collector:	Whittaker, D	Receive Date:	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.084	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.32	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	2.9	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.97	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	78	% Recovery	60 - 140		Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1242	0.40	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1254	0.60	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
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RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-007	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	07	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1260	0.038 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.0031 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.041	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0037	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0015 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0018 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0024 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0050	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0025 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.036	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.074	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.030	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.083	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.047	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.058	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0043	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.030	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.034	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-007 **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07 **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 187	0.0053 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Lipid Concentration	0.47	%			Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Solid Concentration	15	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	639	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-007A **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07A **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	99.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-007B **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07B **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	110.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-007C **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07C **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	79.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-007C **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07C **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-007D **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07D **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	61.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-007E **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07E **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	89.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-007F **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07F **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-007G **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 07G **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	94.0	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-007G	**Site:**	AREA I			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	07G	**Locator:**	Station B			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-007H	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#:	07H	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-007I	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#:	07I	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	100.0	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-007J	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#:	07J	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	63.7	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-007K	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#:	07K	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-007L	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	07L	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	89.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.098	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.62	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	7.1	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	1.8	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	82	% Recovery	60 - 140		Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1242	0.63	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1254	0.91	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB A1260	0.061 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.0055 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0043	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.070	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	0.0015 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
No coelution with BZ# 129. Compound quantitated with primary column.							

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R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-008	**Site:** AREA I		**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 08	**Locator:** Station C		**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 156	0.0058	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0022 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0030 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0039	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0073	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0054	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.052	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.11	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.038	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.12	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.065	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.088	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0067	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.047	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.025	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0064 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Lipid Concentration	0.46	%			Modified AOAC 983.21	03/25/2003 12:00 AM	Approved
Solid Concentration	14	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved
Weight	379	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
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MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-008A	**Site:**	AREA I			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08A	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008B	**Site:**	AREA I			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08B	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	67.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008C	**Site:**	AREA I			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08C	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.2	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008D	**Site:**	AREA I			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08D	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	96.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008E	**Site:**	AREA I			**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08E	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	78.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-008E **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 08E **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-008F **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 08F **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	75.3	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-008G **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 08G **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	78.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-008H **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 08H **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	83.2	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-008I **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 08I **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	83.9	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

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J = Other QC criteria not met (see comments)

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MDL = Method Detection Limit
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LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-008I	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08I	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-008J	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08J	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	79.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008K	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08K	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	85.1	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-008L	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	08L	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	70.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-009	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	09	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.071	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.46	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	3.7	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	1.4	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved

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NA = Not applicable

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MDL = Method Detection Limit
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LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-009	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	09	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			**Acceptance Criteria**				
PCNB	81	% Recovery	60 - 140		Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1242	0.97	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1254	1.3	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1260	0.058 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.0071 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.012	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.098	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0074	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0023 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0032 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0049	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0094	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0095	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.077	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.15	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.053	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-009 **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09 **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 52	0.17	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.086	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.13	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0078	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.063	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.063	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0088	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Lipid Concentration	0.62	%			Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Solid Concentration	15	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	274	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-009A **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09A **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	88.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-009B **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09B **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved

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LFB = Laboratory Fortified Blank (equiv. LCS)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-009B | **Site:** AREA I | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09B | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-009C | **Site:** AREA I | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09C | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-009D | **Site:** AREA I | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09D | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	68.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-009E | **Site:** AREA I | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09E | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	74.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-009F | **Site:** AREA I | **Matrix:** FBT | **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09F | **Locator:** Station D | **Collector:** Whittaker, D | **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	74.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-009F	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	09F	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	68.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-009G	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	09G	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	74.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-009H	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	09H	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	66.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-009I	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	09I	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	64.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-009J	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002	12:00 PM
Sample Field ID#:	09J	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	68.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-009K **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09K **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	59.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-009L **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 09L **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	55.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010 **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 10 **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.11	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.63	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	4.1	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	1.4	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	82	% Recovery	60 - 140		Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1242	1.7	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1254	2.2	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1260	0.12	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.011 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved

Compound quantitated from secondary column. No MDL generated from secondary column.

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-010	**Site:** AREA I	**Matrix:** FBT	**Collect Date:** 06/19/2002	12:00 PM
Sample Field ID#: 10	**Locator:** Station E	**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.011	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.15	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.011	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0034 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0077	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0078	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.017	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.030	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.13	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.35	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.082	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.27	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.061	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.20	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.016	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.091	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.11	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.020	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 195	0.0012 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
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LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-010 **Site:** AREA I
Sample Field ID#: 10 **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Lipid Concentration	0.61	%			Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Solid Concentration	14	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	313	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-010A **Site:** AREA I
Sample Field ID#: 10A **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010B **Site:** AREA I
Sample Field ID#: 10B **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	59.7	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010C **Site:** AREA I
Sample Field ID#: 10C **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	75.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
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LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-010D **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 10D **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	59.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010E **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 10E **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010F **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 10F **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010G **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 10G **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010H **Site:** AREA I **Matrix:** FBT **Collect Date:** 06/19/2002 12:00 PM
Sample Field ID#: 10H **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	69.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-010H **Site:** AREA I
Sample Field ID#: 10H **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010I **Site:** AREA I
Sample Field ID#: 10I **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	75.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010J **Site:** AREA I
Sample Field ID#: 10J **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	78.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010K **Site:** AREA I
Sample Field ID#: 10K **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	74.0	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-010L **Site:** AREA I
Sample Field ID#: 10L **Locator:** Station E
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 06/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	73.4	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-010L	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	06/19/2002 12:00 PM
Sample Field ID#:	10L	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-011	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	11	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.054	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.26	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	2.4	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.83	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	80	% Recovery	60 - 140		Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1242	0.028 M	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1254	0.035 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0037	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)

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RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-011 **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 11 **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0063	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.0028 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0043 M	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0042	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Lipid Concentration	0.41	%			Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Solid Concentration	13	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved
Weight	417	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-011A **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 11A **Locator:** Station A **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-011A	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002 12:00 PM		
Sample Field ID#: 11A	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	91.9	mm			Fish Processing SOP		02/27/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-011B	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002 12:00 PM		
Sample Field ID#: 11B	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	79.4	mm			Fish Processing SOP		02/27/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-011C	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002 12:00 PM		
Sample Field ID#: 11C	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	83.7	mm			Fish Processing SOP		02/27/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-011D	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002 12:00 PM		
Sample Field ID#: 11D	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	87.9	mm			Fish Processing SOP		02/27/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-011E	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002 12:00 PM		
Sample Field ID#: 11E	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	80.1	mm			Fish Processing SOP		02/27/2003 12:00 PM		Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-011E	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002	12:00 PM
Sample Field ID#: 11E	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**	**Status**
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM	Approved
Sample Lab ID#: 2003005-011F	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002	12:00 PM
Sample Field ID#: 11F	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**	**Status**
Length	88.6	mm			Fish Processing SOP		02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM	Approved
Sample Lab ID#: 2003005-011G	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002	12:00 PM
Sample Field ID#: 11G	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**	**Status**
Length	86.1	mm			Fish Processing SOP		02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM	Approved
Sample Lab ID#: 2003005-011H	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002	12:00 PM
Sample Field ID#: 11H	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**	**Status**
Length	90.7	mm			Fish Processing SOP		02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM	Approved
Sample Lab ID#: 2003005-011I	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 08/19/2002	12:00 PM
Sample Field ID#: 11I	**Locator:** Station A					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**	**Status**
Length	84.0	mm			Fish Processing SOP		02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP		02/27/2003 12:00 PM	Approved

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-011I	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	11I	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-011J	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	11J	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	71.2	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-011K	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	11K	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	67.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-011L	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	11L	**Locator:**	Station A	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	66.7	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-012	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	12	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.084	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.10	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	2.0	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.38	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved

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R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-012	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	12	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			**Acceptance Criteria**				
PCNB	80	% Recovery	60 - 140		Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1242	0.031 M	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1254	0.014 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0058	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0027 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.0016 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.0040 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved

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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-012 **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12 **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.0047 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.0060 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0049 M	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0064	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Lipid Concentration	0.47	%			Modified AOAC 983.21	03/26/2003 12:00 AM	Approved
Solid Concentration	15	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved
Weight	435	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-012A **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12A **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	79.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012B **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12B **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	93.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

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J = Other QC criteria not met (see comments)

NA = Not applicable

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RDL = Reporting Detection Limit (equiv. MRL)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
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WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-012C **Site:** AREA III
Sample Field ID#: 12C **Locator:** Station B
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 08/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	57.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012D **Site:** AREA III
Sample Field ID#: 12D **Locator:** Station B
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 08/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	67.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012E **Site:** AREA III
Sample Field ID#: 12E **Locator:** Station B
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 08/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012F **Site:** AREA III
Sample Field ID#: 12F **Locator:** Station B
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 08/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	94.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012G **Site:** AREA III
Sample Field ID#: 12G **Locator:** Station B
Matrix: FBT **Collector:** Whittaker, D
Collect Date: 08/19/2002 12:00 PM **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.2	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved

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Estimated Value:
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LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-012G **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12G **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012H **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12H **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	102.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012I **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12I **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012J **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12J **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	88.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-012K **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/19/2002 12:00 PM
Sample Field ID#: 12K **Locator:** Station B **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	72.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-012K	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	12K	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-012L	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/19/2002 12:00 PM
Sample Field ID#:	12L	**Locator:**	Station B	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.1	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-013	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	08/29/2002 12:00 PM
Sample Field ID#:	13	**Locator:**	Station C	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.063	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.097	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	1.7	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.075 M	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	79	% Recovery	60 - 140		Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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RDL = Reporting Detection Limit (equiv. MRL)
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LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-013	**Site:** AREA III	**Matrix:** FBT	**Collect Date:** 08/29/2002	12:00 PM
Sample Field ID#: 13	**Locator:** Station C	**Collector:** Whittaker, D	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0017 M	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 153	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Lipid Concentration	0.33	%			Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Solid Concentration	11	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/27/2003 12:00 AM	Approved

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- **J = Other QC criteria not met (see comments)**

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QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-013 **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13 **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	140	g wet			Fish Processing SOP	02/27/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-013A **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13A **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	76.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-013B **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13B **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	61.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-013C **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13C **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	65.0	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-013D **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13D **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	59.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-013D	**Site:**	AREA III			**Matrix:**	FBT	**Collect Date:**	08/29/2002 12:00 PM
Sample Field ID#:	13D	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	62.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-013E	**Site:**	AREA III			**Matrix:**	FBT	**Collect Date:**	08/29/2002 12:00 PM
Sample Field ID#:	13E	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	63.9	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-013F	**Site:**	AREA III			**Matrix:**	FBT	**Collect Date:**	08/29/2002 12:00 PM
Sample Field ID#:	13F	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	54.5	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-013G	**Site:**	AREA III			**Matrix:**	FBT	**Collect Date:**	08/29/2002 12:00 PM
Sample Field ID#:	13G	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	56.7	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-013H	**Site:**	AREA III			**Matrix:**	FBT	**Collect Date:**	08/29/2002 12:00 PM
Sample Field ID#:	13H	**Locator:**	Station C			**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	62.1	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

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J = Other QC criteria not met (see comments)

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Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-013I **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13I **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	65.9	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-013J **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13J **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	60.3	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-013K **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13K **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	59.8	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-013L **Site:** AREA III **Matrix:** FBT **Collect Date:** 08/29/2002 12:00 PM
Sample Field ID#: 13L **Locator:** Station C **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	58.6	mm			Fish Processing SOP	02/27/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/27/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-014 **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14 **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.083	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved

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WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-014	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	09/09/2002 12:00 PM
Sample Field ID#:	14	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Chromium	0.061	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	1.2	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.096 M	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	79	% Recovery	60 - 140		Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-014 **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14 **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0038 M	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0039 M	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Lipid Concentration	0.30	%			Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Solid Concentration	11	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved
Weight	766	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-014A **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14A **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	96.7	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-014B **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14B **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-014B **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14B **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	103.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-014C **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14C **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	104.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-014D **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14D **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	92.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-014E **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14E **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	98.9	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-014F **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/09/2002 12:00 PM
Sample Field ID#: 14F **Locator:** Station D **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	100.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
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J = Other QC criteria not met (see comments)

NA = Not applicable

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R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-014F	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/09/2002 12:00 PM		
Sample Field ID#: 14F	**Locator:** Station D					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-014G	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/09/2002 12:00 PM		
Sample Field ID#: 14G	**Locator:** Station D					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	104.1	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-014H	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/09/2002 12:00 PM		
Sample Field ID#: 14H	**Locator:** Station D					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	96.2	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-014I	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/09/2002 12:00 PM		
Sample Field ID#: 14I	**Locator:** Station D					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	93.3	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-014J	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/09/2002 12:00 PM		
Sample Field ID#: 14J	**Locator:** Station D					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	98.6	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved

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Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-014J	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	09/09/2002 12:00 PM
Sample Field ID#:	14J	**Locator:**	Station D	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003005-014K	Site:	AREA III	Matrix:	FBT	Collect Date:	09/09/2002 12:00 PM
Sample Field ID#:	14K	Locator:	Station D	Collector:	Whittaker, D	Receive Date:	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	103.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-014L	Site:	AREA III	Matrix:	FBT	Collect Date:	09/09/2002 12:00 PM
Sample Field ID#:	14L	Locator:	Station D	Collector:	Whittaker, D	Receive Date:	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	106.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#:	2003005-015	Site:	AREA III	Matrix:	FBT	Collect Date:	09/11/2002 12:00 PM
Sample Field ID#:	15	Locator:	Station E	Collector:	Whittaker, D	Receive Date:	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.11	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Chromium	0.38	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Copper	1.8	mg/Kg wet	0.004	0.012	EPA 200.7	04/07/2003 10:30 AM	Approved
Lead	0.30	mg/Kg wet	0.040	0.12	EPA 200.7	04/07/2003 10:30 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	84	% Recovery	60 - 140		Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1242	0.036 M	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1254	0.076	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved

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- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-015	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	09/11/2002 12:00 PM
Sample Field ID#:	15	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0014 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0092	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0012 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0016 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.0023 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.0065 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0059 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0014 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0099	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.012	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0025 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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J = Other QC criteria not met (see comments)

NA = Not applicable

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QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-015 **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15 **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Lipid Concentration	0.35	%			Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Solid Concentration	13	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Quahog				Fish Processing SOP	02/28/2003 12:00 AM	Approved
Weight	592	g wet			Fish Processing SOP	02/28/2003 12:00 AM	Approved

Sample Lab ID#: 2003005-015A **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15A **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	78.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-015B **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15B **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	60.4	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-015C **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15C **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	93.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
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WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-015D **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15D **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.5	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-015E **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15E **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	90.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-015F **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15F **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.1	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-015G **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15G **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	99.0	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved
Abnormalities	None				Fish Processing SOP	02/28/2003 12:00 PM	Approved

Sample Lab ID#: 2003005-015H **Site:** AREA III **Matrix:** FBT **Collect Date:** 09/11/2002 12:00 PM
Sample Field ID#: 15H **Locator:** Station E **Collector:** Whittaker, D **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	85.8	mm			Fish Processing SOP	02/28/2003 12:00 PM	Approved

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H = USEPA holding time exceeded
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NA = Not applicable

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Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003005-015H	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/11/2002 12:00 PM		
Sample Field ID#: 15H	**Locator:** Station E					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-015I	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/11/2002 12:00 PM		
Sample Field ID#: 15I	**Locator:** Station E					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	98.8	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-015J	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/11/2002 12:00 PM		
Sample Field ID#: 15J	**Locator:** Station E					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	77.8	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-015K	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/11/2002 12:00 PM		
Sample Field ID#: 15K	**Locator:** Station E					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	79.9	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved
Sample Lab ID#: 2003005-015L	**Site:** AREA III					**Matrix:** FBT	**Collect Date:** 09/11/2002 12:00 PM		
Sample Field ID#: 15L	**Locator:** Station E					**Collector:** Whittaker, D	**Receive Date:** 01/03/2003 9:55 AM		
Analyte/Compound	**Result**	**Units**	**MDL**	**RDL**	**Method**		**Analysis Date**		**Status**
Length	97.9	mm			Fish Processing SOP		02/28/2003 12:00 PM		Approved
Abnormalities	None				Fish Processing SOP		02/28/2003 12:00 PM		Approved

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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

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Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003005-015L	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	09/11/2002 12:00 PM
Sample Field ID#:	15L	**Locator:**	Station E	**Collector:**	Whittaker, D	**Receive Date:**	01/03/2003 9:55 AM

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Cadmium	LFB	93	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/07/2003 10:30 AM
Cadmium	LFM	92	% Recovery	70 - 130	EPA 200.7	0.92	mg/Kg wet	04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Cadmium	LFMDup	3.9	RPD	0 - 20	EPA 200.7	0.90	mg/Kg wet	04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Cadmium	LRB	ND	mg/Kg wet	ND	EPA 200.7	NA		04/07/2003 10:30 AM
Cadmium	QCS	94	% Recovery	70 - 130	EPA 200.7	2.5	mg/Kg dry	04/07/2003 10:30 AM
Chromium	LFB	97	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/07/2003 10:30 AM
Chromium	LFM	79	% Recovery	70 - 130	EPA 200.7	0.92	mg/Kg wet	04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Chromium	LFMDup	3.4	RPD	0 - 20	EPA 200.7	0.90	mg/Kg wet	04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Chromium	LRB	ND	mg/Kg wet	ND	EPA 200.7	NA		04/07/2003 10:30 AM
Chromium	QCS	105	% Recovery	70 - 130	EPA 200.7	0.14	mg/Kg dry	04/07/2003 10:30 AM
Copper	LFB	93	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/07/2003 10:30 AM
Copper	LFM	78	% Recovery	70 - 130	EPA 200.7	0.92	mg/Kg wet	04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Copper	LRB	0.046	mg/Kg wet	ND	EPA 200.7	NA		04/07/2003 10:30 AM
LRB conc. < 10% of sample results in this batch; data qualification was not necessary.								
Copper	QCS	99	% Recovery	70 - 130	EPA 200.7	71	mg/Kg dry	04/07/2003 10:30 AM
Copper	Samp DUP	3.4	RPD	0 - 20	EPA 200.7	NA		04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Lead	LFB	92	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/07/2003 10:30 AM

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Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Lead	LFM	71	% Recovery	70 - 130	EPA 200.7	0.92	mg/Kg wet	04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Lead	LRB	ND	mg/Kg wet	ND	EPA 200.7	NA		04/07/2003 10:30 AM
Lead	QCS	105	% Recovery	70 - 130	EPA 200.7	0.13	mg/Kg dry	04/07/2003 10:30 AM
Lead	Samp DUP	14	RPD	0 - 20	EPA 200.7	NA		04/07/2003 10:30 AM
Sample Lab ID#: 2003005-011								
Surrogate								
PCNB	LB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	03/24/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM

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Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/24/2003 12:00 AM
Lipid Concentration = 0.45%								
Surrogate								
PCNB	LB	90	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	03/25/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM

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Contact:

Project Name: New Bedford Harbor Fish
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Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 209 **Lipid Concentration= 0.75%**	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
Surrogate								
PCNB	LB	86	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	03/26/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM

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Contact:
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Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/26/2003 12:00 AM
Lipid Concentration = 0.62%								
Surrogate								
PCNB	LB	78	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	03/27/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION **Project Name:** New Bedford Harbor Fish
Contact: **Project Coordinator:** Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
Lipid Concentration = 0.58%								
Surrogate								
PCNB	LFB	76	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	03/24/2003 12:00 AM
PCB A1232	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB A1242	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB A1248	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB A1254	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB A1260	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.50	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 123	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 8	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 18	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 28	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 44	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 52	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 66	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 101	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 128	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 138	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 153	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 187	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 195	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 206	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
PCB Congener BZ# 209	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/24/2003 12:00 AM
Lipid Concentration = 0.54%								
Surrogate								
PCNB	LFB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	03/27/2003 12:00 AM
PCB A1232	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM

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Estimated Value:
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J = Other QC criteria not met (see comments)

NA = Not applicable

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MDL = Method Detection Limit
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LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB A1242	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB A1248	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB A1254	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.49	ug/g wet	03/27/2003 12:00 AM
PCB A1260	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 8	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 18	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 28	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 44	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 52	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 66	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 101	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 128	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 138	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 153	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 187	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 195	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 206	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 209	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
Lipid Concentration = 0.57%								
Surrogate								
PCNB	LFM	80	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	03/26/2003 12:00 AM
PCB A1232	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB A1242	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB A1248	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB A1254	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB A1260	LFM	96	% Recovery	60 - 140	Modified AOAC 983.21	0.49	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 8	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 18	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 28	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 44	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 52	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 66	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 101	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 128	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 138	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 153	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 187	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 195	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 206	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
PCB Congener BZ# 209	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/26/2003 12:00 AM
Lipid Concentration = 0.55%								
Sample Lab ID#: 2003005-012								
Surrogate								
PCNB	Samp DUP	80	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	03/25/2003 12:00 AM
PCB A1232	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1242	Samp DUP	7.2	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1248	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1254	Samp DUP	1.7	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB A1260	Samp DUP	2.6	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 77	Samp DUP	6.2	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
Compound quantitated from secondary column. No MDL generated from secondary column.								
PCB Toxic Congener BZ# 81	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 105	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M** = Analyte concentration > MDL but < RDL
- **H** = USEPA holding time exceeded
- **J** = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 114	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 118	Samp DUP	4.8	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 123	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 126	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 156	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 157	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 167	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 169	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 170	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 180	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Toxic Congener BZ# 189	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 8	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 18	Samp DUP	5.4	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 28	Samp DUP	2.7	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 44	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 52	Samp DUP	3.6	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 66	Samp DUP	2.1	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 101	Samp DUP	5.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 128	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 138	Samp DUP	3.3	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 153	Samp DUP	2.9	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 187	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 195	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 206	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
PCB Congener BZ# 209	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM
Sample Lab ID#: 2003005-007								
Lipid Concentration	Samp DUP	17	RPD	0 - 25	Modified AOAC 983.21	NA		03/25/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003005

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Sample Lab ID#: 2003005-007								
Solid Concentration	Samp DUP	6.7	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003005-001								
Solid Concentration	Samp DUP2	2.7	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-001								
Solid Concentration	Samp DUP3	1.5	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-002								
Solid Concentration	Samp DUP4	2.4	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-021								
Solid Concentration	Samp DUP5	2.6	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-024								

Approved*: Jean C. Jacobs **Date:** 05/20/2003

***QA Level 1 and 2 Completed - QA/QC documentation, raw analytical data, and Chain-of-Custody/Sample Tracking Form are available upon request.**

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Appendix B

ORIGINAL

Commonwealth of Massachusetts
Executive Office of Environmental Affairs
Department of Environmental Protection
Senator William X. Wall Experiment Station

Sample Tracking/ Chain-of-Custody Record

Cooler Temperature at Receipt -9 °C

WES Sample Log-In # 2003006

Project Description	
Name:	DEP/EPA Fish
Site Name:	New Bedford Hbr
RTN:	
Case #:	
Coordinator	O. Pancorbo

Region–Bureau-Division			
NERO		SERO	
CERO		WERO	
Bureau:			
Division:			
Phone:			
Fax:			

Analytical Laboratory *(for samples sent to a laboratory other than WES)*	
Name:	
Address:	
Contact:	
MA Cert#	
Phone#	

Field Locator (within Site)	Client ID (Field #)	Lab # (Log-In # above plus # below)	Collection Date	Collection Time	Receipt Date	Receipt Time	Sample G/C*	Sample Matrix**	Sample Preservative	Collector	Chlorine Residual (yes/no)	Analysis Requested
New Bedford Hbr. See attached MDMF sample data sheets	NBH02						G	FBT	Frozen	MDMF	No	[illegible]
							G	FBT			No	Cad, Chr, Copper
							G	FBT			No	Lead, Nickel
							G	FBT			No	Re Lipid
							G	FBT			No	
							G	FBT			No	
							G	FBT			No	

Remarks:

*G/C = Grab/Composite

Chain of Custody: ***(signatures required only for COC)***

Relinquished by:					Received by:				
Printed name	*Signature*	*Org.*	*Date*	*Time*	*Printed name*	*Signature*	*Org.*	*Date*	*Time*
MATT SMITH	[signature]	DMF	1/3/03	9:55	Carol Baldwin	Carol A Baldwin	DEP	1/3/03	9:55

**** MATRIX CODES**

AC = Air Canister
ACT = Air Cartridge Tube
AF = Air Filter
DW = Drinking Water
FBT = Fish/Biological Tissue
FEC = Feces/Fecal Matter
GRYW = Grey Water
GW = Ground Water
IWW = Industrial Wastewater
LL = Landfill Leachate
LW = Liquid Waste
ME = Marine/Estuarine Water
SED =-Sediment
SOIL = Soil
SRW = Surface Water
STW = Storm water/CSO
SW = Solid Waste
UN = Unspecified Water/Wastewater
WO = Waste Oil
WW = POTW Wastewater
WWS = Wastewater Sludge

FIELD COLLECTION FORM: DIVISION OF MARINE FISHERIES, ANNISQUAM RIVER MARINE FISHERIES STATION, 30 EMERSON AVE., GLOUCESTER, MA 01930

PROJECT #: NBH02 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED: _____

COLLECTOR: MDMF Matthew Camisa SHIPPER: _____ SAMPLE CONDITION: FRESH___ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION/TAG # Field ID	SPECIES & # IN SAMPLE	STATION I.D. Field Locator	LOCATION Effort	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
9/10/2002	NBH02-L-A-3	1 Lobster composite (2003006-001 meat	Station A Angelica Rock	NBH Area 3	041 34.664' 070 51.566'	Lobster Pots	
18/10/2002	NBH02-L-A-3	1 Lobster (2003006-002 to malley	Station A Angelica Rock	NBH Area 3	041 34.664' 070 51.566'	Lobster Pots	
18/10/2002	NBH02-L-A-3	1 Lobster	Station A Angelica Rock	NBH Area 3	041 34.664' 070 51.566'	Lobster Pots	
18/10/2002	NBH02-L-B-3	1 Lobster 2003006-003 meat	Station B Radome R"8"	NBH Area 3	041 32.302' 070 54.353'	Lobster Pots	
18/10/2002	NBH02-L-B-3	1 Lobster 2003006-004 Tomalley	Station B Radome R"8"	NBH Area 3	041 32.302' 070 54.353'	Lobster Pots	
18/10/2002	NBH02-L-B-3	1 Lobster	Station B Radome R"8"	NBH Area 3	041 32.302' 070 54.353'	Lobster Pots	
18/10/2002	NBH02-L-C-3	1 Lobster	Station C SP Rock C"1"	NBH Area 3	041 31.522' 070 56.268'	Lobster Pots	
22/10/2002	NBH02-L-C-3	1 Lobster	Station C SP Rock C"1"	NBH Area 3	041 31.522' 070 56.268'	Lobster Pots	
22/10/2002	NBH02-L-C-3	1 Lobster	Station C SP Rock C"1"	NBH Area 3	041 31.522' 070 56.268'	Lobster Pots	
18/10/2002	NBH02-L-D-3	1 Lobster	Station D Sand Spit R"4"	NBH Area 3	041 31.861' 070 54.799'	Lobster Pots	

FIELD COLLECTION FORM: DIVISION OF MARINE FISHERIES, ANNISQUAM RIVER MARINE FISHERIES STATION, 30 EMERSON AVE., GLOUCESTER, MA 01930

PROJECT #: NBH02 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED: _____

COLLECTOR: MDMF Matthew Camisa SHIPPER: _____ SAMPLE CONDITION: FRESH___ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
22/10/2002	NBH02-L-D-3	1 Lobster	Station D Sand Spit R"4"	NBH Area 3	041 31.861' 070 54.799'	Lobster Pots	C C 2B
25/10/2002	NBH02-L-D-3	1 Lobster	Station D Sand Spit R"4"	NBH Area 3	041 31.861' 070 54.799'	Lobster Pots	C C 3C
22/10/2002	NBH02-L-E-3	1 Lobster	Station E Lone Rock N"4"	NBH Area 3	041 33.635' 070 54.926'	Lobster Pots	C09 - Next C10 - Tomalley C10 ?
22/10/2002	NBH02-L-E-3	1 Lobster	Station E Lone Rock N"4"	NBH Area 3	041 33.635' 070 54.926'	Lobster Pots	C10 B
25/10/2002	NBH02-L-E-3	1 Lobster	Station E Lone Rock N"4"	NBH Area 3	041 33.635' 070 54.926'	Lobster Pots	C10 C
25/10/2002	NBH02-L-A-2	1 Lobster	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Lobster Pots	C11 Next C12 Tomalley C12A
25/10/2002	NBH02-L-A-2	1 Lobster	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Lobster Pots	C12B
25/10/2002	NBH02-L-A-2	1 Lobster	Station A SMAST Pier	NBH Area 2	041 35.556' 070 54.669'	Lobster Pots	C12C
29/10/2002	NBH02-L-B-2	1 Lobster	Station B Sconticut Neck	NBH Area 2	041 35.938' 070 52.043'	Lobster Pots	C13 - Next C14 Tomalley C14A
29/10/2002	NBH02-L-B-2	1 Lobster	Station B Sconticut Neck	NBH Area 2	041 35.938' 070 52.043'	Lobster Pots	C14B

FIELD COLLECTION FORM: DIVISION OF MARINE FISHERIES, ANNISQUAM RIVER MARINE FISHERIES STATION, 30 EMERSON AVE., GLOUCESTER, MA 01930

PROJECT #: NBH02 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED: _____

COLLECTOR: MDMF Matthew Camisa SHIPPER: _____ SAMPLE CONDITION: FRESH___ FROZEN__X__

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
29/10/2002	NBH02-L-B-2	1 Lobster	Station B Sconticut Neck	NBH Area 2	041 35.938' 070 52.043'	Lobster Pots	C14C
29/10/2002	NBH02-L-C-2	1 Lobster	Station C Ricketsons Pt.	NBH Area 2	041 34.785' 070 55.936'	Lobster Pots	C16A
29/10/2002	NBH02-L-C-2	1 Lobster	Station C Ricketsons Pt.	NBH Area 2	041 34.785' 070 55.936'	Lobster Pots	C16B
29/10/2002	NBH02-L-C-2	1 Lobster	Station C Ricketsons Pt.	NBH Area 2	041 34.785' 070 55.936'	Lobster Pots	C16C
29/10/2002	NBH02-L-D-2	1 Lobster	Station D E-Fort Rodman	NBH Area 2	041 35.767' 070 53.922'	Lobster Pots	C15A
31/10/2002	NBH02-L-D-2	1 Lobster	Station D E-Fort Rodman	NBH Area 2	041 35.767' 070 53.922'	Lobster Pots	C15B
31/10/2002	NBH02-L-D-2	1 Lobster	Station D E-Fort Rodman	NBH Area 2	041 35.767' 070 53.922'	Lobster Pots	C15C
14/11/2002	NBH02-L-E-2	1 Lobster	Station E Fort Phoenix	NBH Area 2	041 37.422' 070 54.171'	Lobster Pots	C20A
14/11/2002	NBH02-L-E-2	1 Lobster	Station E Fort Phoenix	NBH Area 2	041 37.422' 070 54.171'	Lobster Pots	C20B
2011/2002	NBH02-L-E-2	1 Lobster	Station E Fort Phoenix	NBH Area 2	041 37.422' 070 54.171'	Lobster Pots	C20C

FIELD COLLECTION FORM: DIVISION OF MARINE FISHERIES, ANNISQUAM RIVER

PROJECT #: NBH02 REQUESTED BY/AGENCY: Oscar Pancorbo / Dept. Environmental Protection ANALYSIS REQUESTED: _____

COLLECTOR: MDMF Matthew Camisa SHIPPER: _____ SAMPLE CONDITION: FRESH___ FROZEN X

2003006

COLLECTION DATE DDMMYY	COLLECTION/TAG #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
8/11/2002	NBH02-FF-A-1	1 Winter Flounder	Station A W-Barrier Open	NBH Area 1	041 37.465' 070 54.519'	Lobster Pot	021
25/11/2002	NBH02-FF-B-1	1 Winter Flounder	Station B 195 Overpass	NBH Area 1	041 39.307' 070 55.009'	NN Fish Pot	022
25/11/2002	NBH02-FF-A-1	1 American Eel	Station A 195 Overpass	NBH Area 1	041 39.266' 070 55.098'	NN Fish Pot	023
25/11/2002	NBH02-FF-B-1	1 American Eel	Station B W-lighthouse	NBH Area 1	041 37.535' 070 54.703'	NN Fish Pot	024
13/12/2002	NBH02-FF-C-1	1 American Eel	Station C SW-Culvert	NBH Area 1	041 37.243' 070 54.856'	Eel pot	025
13/12/2002	NBH02-FF-D-1	1 American Eel	Station D Marina	NBH Area 1	041 39.221' 070 54.934'	Eel pot	026

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-001 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/09/2002 12:00 PM
Sample Field ID#: NBH02-L-A-3 **Locator:** Station A Angelica Rock **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.045	mg/Kg wet	0.004	0.012	EPA 200.7	04/28/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.004	0.012	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	30	mg/Kg wet	0.004	0.012	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.039	0.12	EPA 200.7	04/28/2003 10:00 AM	Approved
Surrogate		**Acceptance Criteria**					
PCNB	84	% Recovery	60 - 140		Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0073	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0013 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-001 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/09/2002 12:00 PM
Sample Field ID#: NBH02-L-A-3 **Locator:** Station A Angelica Rock **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0044 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0018 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0075	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.014	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Lipid Concentration	0.26	%			Modified AOAC 983.21	03/27/2003 12:00 AM	Approved
Solid Concentration	22	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Weight	336	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-002 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/09/2002 12:00 PM
Sample Field ID#: NBH02-L-A-3 **Locator:** Station A Angelica Rock **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	5.6	mg/Kg wet	0.036	0.11	EPA 200.7	04/28/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.036	0.11	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	59	mg/Kg wet	0.036	0.11	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.36	1.1	EPA 200.7	04/28/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-002 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/09/2002 12:00 PM
Sample Field ID#: NBH02-L-A-3 **Locator:** Station A Angelica Rock **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			Acceptance Criteria				
PCNB	90	% Recovery	60 - 140		Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1242	0.59	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1254	0.36 M	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1260	0.61 M	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.24	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.023 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	1.3	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.11	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.039	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.082	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.13	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.035 M	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.16	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.039 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-002 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/09/2002 12:00 PM
Sample Field ID#: NBH02-L-A-3 **Locator:** Station A Angelica Rock **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.26	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.17	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.13	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.0	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 153	1.6	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.13	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	17	%			Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
Solid Concentration	33	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Weight	49	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-002A **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/09/2002 12:00 PM
Sample Field ID#: NBH02-L-A-3A **Locator:** Station A Angelica Rock **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.5	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/18/2003 1:00 PM	Approved
Minor shell rot on cephalothorax, malformed crushing claw							
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-001				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-002				Fish Processing SOP	03/18/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-002A	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/09/2002	12:00 PM
Sample Field ID#:	NBH02-L-A-3A	**Locator:**	Station A Angelica Rock	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003	9:55 AM

Sample Lab ID#:	2003006-002B	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002	12:00 PM
Sample Field ID#:	NBH02-L-A-3B	**Locator:**	Station A Angelica Rock	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.5	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-001				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-002				Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-002C	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002	12:00 PM
Sample Field ID#:	NBH02-L-A-3C	**Locator:**	Station A Angelica Rock	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	76.5	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Less than 75% of the weight of 2003006-002B							
Abnormalities					Fish Processing SOP	03/18/2003 1:00 PM	Approved
Tomalley very liquid							
Sex	Female				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Cull				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-001				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-002				Fish Processing SOP	03/18/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-003	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-B-3	**Locator:**	Station B Radome R8	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.067	mg/Kg wet	0.007	0.022	EPA 200.7	04/28/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.007	0.022	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	29	mg/Kg wet	0.007	0.022	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.074	0.22	EPA 200.7	04/28/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	78	% Recovery	60 - 140		Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0064	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-003 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-B-3 **Locator:** Station B Radome R8 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 18	0.0021 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 128	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0044 M	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0082	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Lipid Concentration	0.19	%			Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Solid Concentration	22	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Weight	436	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-004 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-B-3 **Locator:** Station B Radome R8 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	6.6	mg/Kg wet	0.024	0.071	EPA 200.7	04/28/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.024	0.071	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	250	mg/Kg wet	0.024	0.071	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.24	0.71	EPA 200.7	04/28/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-004	**Site:** AREA III	**Matrix:** FBT	**Collect Date:** 10/18/2002	12:00 PM
Sample Field ID#: NBH02-L-B-3	**Locator:** Station B Radome R8	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			**Acceptance Criteria**				
PCNB	92	% Recovery	60 - 140		Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1242	0.42 M	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1254	0.55	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1260	1.2	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.21	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.013 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	1.3	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.17	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.059	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.10	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.10	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.24	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.024 M	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.083 M	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-004 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-B-3 **Locator:** Station B Radome R8 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.19	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.22	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.3	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 153	1.9	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.19	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	25	%			Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
Solid Concentration	38	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Weight	56	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-004A **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-B-3A **Locator:** Station B Radome R8 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.3	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/18/2003 1:00 PM	Approved
Extensive shell rot over entire body							
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-003				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-004				Fish Processing SOP	03/18/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-004A	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-B-3A	**Locator:**	Station B Radome R8	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003006-004B	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-B-3B	**Locator:**	Station B Radome R8	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.7	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-003				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-004				Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-004C	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-B-3C	**Locator:**	Station B Radome R8	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.1	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-003				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-004				Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-005	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-C-3	**Locator:**	Station C SP Rock C 1	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-005	**Site:**	AREA III	**Matrix:**	FBT
Sample Field ID#:	NBH02-L-C-3	**Locator:**	Station C SP Rock C 1	**Collector:**	Camisa, M

Collect Date: 10/18/2002 12:00 PM
Receive Date: 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.085	mg/Kg wet	0.010	0.030	EPA 200.7	04/28/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.010	0.030	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	23	mg/Kg wet	0.010	0.030	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.10	0.30	EPA 200.7	04/28/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	82	% Recovery	60 - 140		Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0030 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.0070	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0016 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0025 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M** = Analyte concentration > MDL but < RDL
- **H** = USEPA holding time exceeded
- **J** = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-005 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-C-3 **Locator:** Station C SP Rock C 1 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0025M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0074	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.017	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0024 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Lipid Concentration	0.21	%			Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Solid Concentration	18	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Weight	381	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-006 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-C-3 **Locator:** Station C SP Rock C 1 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	4.8	mg/Kg wet	0.020	0.060	EPA 200.7	04/28/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.020	0.060	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	330	mg/Kg wet	0.020	0.060	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.20	0.60	EPA 200.7	04/28/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-006 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-C-3 **Locator:** Station C SP Rock C 1 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			Acceptance Criteria				
PCNB	96	% Recovery	60 - 140		Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1254	0.85	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1260	2.1	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.38	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.048	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	1.9	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.22	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.10	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.19	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.23	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.48	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.17	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-006 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-C-3 **Locator:** Station C SP Rock C 1 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.24	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.21	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.37	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.4	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 153	3.1	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.43	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 195	0.020 M	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 206	0.019 M	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	16	%			Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
Solid Concentration	31	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Weight	44	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-006A **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-C-3A **Locator:** Station C SP Rock C 1 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.8	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-005				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-006				Fish Processing SOP	03/18/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-006B	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/22/2002 12:00 PM
Sample Field ID#:	NBH02-L-C-3B	**Locator:**	Station C SP Rock C 1	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	83.2	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/18/2003 1:00 PM	Approved
Minor shell rot, one spot less than size of a dime							
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-005				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-006				Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-006C	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/22/2002 12:00 PM
Sample Field ID#:	NBH02-L-C-3C	**Locator:**	Station C SP Rock C 1	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.6	mm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/18/2003 1:00 PM	Approved
Minor shell rot, three spots totalling less than the size of a quarter							
Sex	Male				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-005				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-006				Fish Processing SOP	03/18/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-007	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-D-3	**Locator:**	Station D Sand Spit R 4	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.039	mg/Kg wet	0.009	0.028	EPA 200.7	04/28/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-007	**Site:** AREA III	**Matrix:** FBT	**Collect Date:** 10/18/2002	12:00 PM
Sample Field ID#: NBH02-L-D-3	**Locator:** Station D Sand Spit R 4	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Chromium	ND	mg/Kg wet	0.009	0.028	EPA 200.7	04/28/2003 10:00 AM	Approved
Copper	29	mg/Kg wet	0.009	0.028	EPA 200.7	04/28/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.092	0.28	EPA 200.7	04/28/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	80	% Recovery	60 - 140		Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0068	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-007 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-D-3 **Locator:** Station D Sand Spit R 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0012 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0058	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.0099	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Lipid Concentration	0.23	%			Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Solid Concentration	22	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	443	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-008 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-D-3 **Locator:** Station D Sand Spit R 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	7.5	mg/Kg wet	0.030	0.090	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	0.13	mg/Kg wet	0.030	0.090	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	150	mg/Kg wet	0.030	0.090	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.30	0.90	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-008	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-D-3	**Locator:**	Station D Sand Spit R 4	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			**Acceptance Criteria**				
PCNB	94	% Recovery	60 - 140		Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1260	0.48 M	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.21	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.020 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	1.2	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.14	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.054	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.11	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.074	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.14	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.080 M	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-008 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-D-3 **Locator:** Station D Sand Spit R 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.20	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.19	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.23	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.4	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 153	1.9	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.20	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	28	%			Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
Solid Concentration	36	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	56	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-008A **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/18/2002 12:00 PM
Sample Field ID#: NBH02-L-D-3A **Locator:** Station D Sand Spit R 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	81.5	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/19/2003 1:00 PM	Approved
Minor rot on claws and carapace							
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-007				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-008				Fish Processing SOP	03/19/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-008A	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/18/2002 12:00 PM
Sample Field ID#:	NBH02-L-D-3A	**Locator:**	Station D Sand Spit R 4	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Sample Lab ID#:	2003006-008B	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/22/2002 12:00 PM
Sample Field ID#:	NBH02-L-D-3B	**Locator:**	Station D Sand Spit R 4	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	77.9	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/19/2003 1:00 PM	Approved
Minor rot on claws							
Sex	Female				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-007				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-008				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-008C	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/25/2002 12:00 PM
Sample Field ID#:	NBH02-L-D-3C	**Locator:**	Station D Sand Spit R 4	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	83.5	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-007				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-008				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-009	**Site:**	AREA III	**Matrix:**	FBT	**Collect Date:**	10/22/2002 12:00 PM
Sample Field ID#:	NBH02-L-E-3	**Locator:**	Station E Lone Rock N 4	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-009	**Site:** AREA III	**Matrix:** FBT	**Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3	**Locator:** Station E Lone Rock N 4	**Collector:** Camisa, M	**Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.034 M	mg/Kg wet	0.013	0.040	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	0.016 M	mg/Kg wet	0.013	0.040	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	29	mg/Kg wet	0.013	0.040	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.13	0.40	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	83	% Recovery	60 - 140		Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0029 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0087	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0013 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0019 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-009 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3 **Locator:** Station E Lone Rock N 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 66	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0021 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0078	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.015	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Lipid Concentration	0.27	%			Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Solid Concentration	20	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	499	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-010 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3 **Locator:** Station E Lone Rock N 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	7.0	mg/Kg wet	0.038	0.12	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.038	0.12	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	330	mg/Kg wet	0.038	0.12	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.38	1.2	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-010 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3 **Locator:** Station E Lone Rock N 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Surrogate			Acceptance Criteria				
PCNB	97	% Recovery	60 - 140		Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1254	0.37 M	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1260	1.1	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.30	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.013 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	1.6	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.16	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.059	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.12	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.11	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.25	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.27	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.093	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-010 **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3 **Locator:** Station E Lone Rock N 4 **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 66	0.51	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.30	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.24	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.2	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 153	2.1	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.18	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	21	%			Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
Solid Concentration	35	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	67	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-010A **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3A **Locator:** Station E Lone Rock N **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	90.9	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-009				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-010				Fish Processing SOP	03/19/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-010B **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/22/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3B **Locator:** Station E Lone Rock N **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.2	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-009				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-010				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-010C **Site:** AREA III **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-E-3C **Locator:** Station E Lone Rock N **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.8	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell rot, less than 75% by weight of 010A							
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-009				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-010				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-011 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-A-2 **Locator:** Station A SMAST Pier **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.032 M	mg/Kg wet	0.014	0.041	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.014	0.041	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-011	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 10/25/2002	12:00 PM
Sample Field ID#: NBH02-L-A-2	**Locator:** Station A SMAST Pier	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Copper	28	mg/Kg wet	0.014	0.041	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.14	0.41	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	84	% Recovery	60 - 140		Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0039	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.015	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0012 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0013 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0021 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-011 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-A-2 **Locator:** Station A SMAST Pier **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0052 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0033 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.013	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.018	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Lipid Concentration	0.28	%			Modified AOAC 983.21	03/31/2003 12:00 AM	Approved
Solid Concentration	21	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	573	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-012 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-A-2 **Locator:** Station A SMAST Pier **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	5.4	mg/Kg wet	0.035	0.10	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.035	0.10	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	420	mg/Kg wet	0.035	0.10	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.35	1.1	EPA 200.7	04/29/2003 10:00 AM	Approved

Surrogate		Acceptance Criteria				
PCNB	79	% Recovery	60 - 140	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
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LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-012 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-A-2 **Locator:** Station A SMAST Pier **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1242	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1254	0.69	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1260	1.1	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.33	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.041	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	2.0	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	0.018 J	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 156	0.17	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.065	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.13	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.12	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.27	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.24	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.059 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.45	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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J = Other QC criteria not met (see comments)

NA = Not applicable

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LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-012 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-A-2 **Locator:** Station A SMAST Pier **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 101	0.25	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.32	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.6	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 153	2.2	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.18	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
MDLs and RLs reflect 10 X dilution.							
Lipid Concentration	18	%			Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
Solid Concentration	33	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	77	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-012A **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/25/2002 12:00 PM
Sample Field ID#: NBH02-L-A-2A **Locator:** Station A SMAST Pier **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.8	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-011				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-012				Fish Processing SOP	03/19/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-012B	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	10/25/2002 12:00 PM
Sample Field ID#:	NBH02-L-A-2B	**Locator:**	Station A SMAST Pier	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	88.9	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-011				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-012				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-012C	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	10/25/2002 12:00 PM
Sample Field ID#:	NBH02-L-A-2C	**Locator:**	Station A SMAST Pier	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	89.0	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-011				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-012				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#:	2003006-013	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	10/29/2002 12:00 PM
Sample Field ID#:	NBH02-L-B-2	**Locator:**	Station B Sconticut Neck	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.022 M	mg/Kg wet	0.010	0.029	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.010	0.029	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	34	mg/Kg wet	0.010	0.029	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-013	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	10/29/2002 12:00 PM
Sample Field ID#:	NBH02-L-B-2	**Locator:**	Station B Sconticut Neck	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Lead	ND	mg/Kg wet	0.097	0.29	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	81	% Recovery	60 - 140		Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1242	0.050 M	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.0043	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.011	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0011 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0012 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0022 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.0039 M	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-013 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2 **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0045 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0017 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0066	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.013	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Lipid Concentration	0.30	%			Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Solid Concentration	22	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	516	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-014 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2 **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	5.3	mg/Kg wet	0.026	0.078	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.026	0.078	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	160	mg/Kg wet	0.026	0.078	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.26	0.78	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	79	% Recovery	60 - 140		Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-014	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 10/29/2002	12:00 PM
Sample Field ID#: NBH02-L-B-2	**Locator:** Station B Sconticut Neck	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1242	0.54 M	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1254	0.58	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB A1260	0.60 M	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.20	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.44	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.097	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.034 M	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.074	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.074	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.11	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.031 M	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.24	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.033 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.26	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.079	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.077	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M** = Analyte concentration > MDL but < RDL
- **H** = USEPA holding time exceeded
- **J** = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-014 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2 **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 138	0.70	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.65	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.12	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
MDLs and RLS reflect 10X dilution.							
Lipid Concentration	16	%			Modified AOAC 983.21	04/08/2003 12:00 AM	Approved
Solid Concentration	30	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	82	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-014A **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2A **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.3	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-013				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-014				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-014B **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2B **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

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LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-014B **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2B **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	87.3	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-013				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-014				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-014C **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-B-2C **Locator:** Station B Sconticut Neck **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	86.1	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-013				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-014				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-015 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2 **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.038	mg/Kg wet	0.011	0.034	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.011	0.034	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	31	mg/Kg wet	0.011	0.034	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-015	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 10/29/2002	12:00 PM
Sample Field ID#: NBH02-L-C-2	**Locator:** Station C Ricketsons Pt	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Lead	ND	mg/Kg wet	0.11	0.34	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	84	% Recovery	60 - 140		Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1242	0.062	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1260	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.0073	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0011 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0022 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 28	ND	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-015 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2 **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 52	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.0036 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0021 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.0074	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.013	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 187	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Lipid Concentration	0.21	%			Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Solid Concentration	23	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	557	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-016 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2 **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	5.1	mg/Kg wet	0.031	0.094	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.031	0.094	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	340	mg/Kg wet	0.031	0.094	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.31	0.94	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	81	% Recovery	60 - 140		Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-016	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 10/29/2002	12:00 PM
Sample Field ID#: NBH02-L-C-2	**Locator:** Station C Ricketsons Pt	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1242	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1254	0.82	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1260	1.1	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.40	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.033 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	1.9	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.16	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.067	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.12	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.12	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.27	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.18	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 52	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.43	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.15	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.29	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-016 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2 **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 138	1.4	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 153	2.2	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.18	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	25	%			Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Solid Concentration	38	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	80	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-016A **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2A **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	97.1	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-015				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-016				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-016B **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2B **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-016B **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2B **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.9	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-015				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-016				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-016C **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-C-2C **Locator:** Station C Ricketsons Pt **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	80.6	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-015				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-016				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-017 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2 **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.019 M	mg/Kg wet	0.012	0.035	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.012	0.035	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	25	mg/Kg wet	0.012	0.035	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-017	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	10/29/2002 12:00 PM
Sample Field ID#:	NBH02-L-D-2	**Locator:**	Station D E Fort Rodman	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Lead	ND	mg/Kg wet	0.12	0.35	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	86	% Recovery	60 - 140		Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1242	0.14	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB A1260	0.023 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.013	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.053	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0046	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0015 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0029 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0034 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0047	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0041 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.013	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-017 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2 **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 52	0.0046 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.019	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 101	ND	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0074	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.035	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.051	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0048 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Lipid Concentration	0.23	%			Modified AOAC 983.21	04/01/2003 12:00 AM	Approved
Solid Concentration	20	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	427	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-018 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2 **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	4.1	mg/Kg wet	0.034	0.10	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.034	0.10	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	510	mg/Kg wet	0.034	0.10	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.34	1.0	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	82	% Recovery	60 - 140		Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-018	**Site:**	AREA II	**Matrix:**	FBT
Sample Field ID#:	NBH02-L-D-2	**Locator:**	Station D E Fort Rodman	**Collector:**	Camisa, M

Collect Date: 10/29/2002 12:00 PM
Receive Date: 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1242	1.1	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1254	2.0	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1260	1.9	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.12 J	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.58	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.073	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	3.1	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	0.035 J	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 156	0.28	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.10	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.20	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.27	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.49	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	0.018 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.058	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.65	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.24	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.72	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-018 **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2 **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 101	0.37	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.53	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 138	2.3	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 153	3.3	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.37	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 195	0.016 M	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
MDLs and RLS reflect 10X dilution.							
Lipid Concentration	15	%			Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Solid Concentration	25	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	60	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-018A **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/29/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2A **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	85.9	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell rot on body and claw							
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-017				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-018				Fish Processing SOP	03/19/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-018B **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/31/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2B **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	84.5	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	Shell rot				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-017				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-018				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-018C **Site:** AREA II **Matrix:** FBT **Collect Date:** 10/31/2002 12:00 PM
Sample Field ID#: NBH02-L-D-2C **Locator:** Station D E Fort Rodman **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.5	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-017				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-018				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-019 **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/14/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2 **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	0.024 M	mg/Kg wet	0.011	0.033	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.011	0.033	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	24	mg/Kg wet	0.011	0.033	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-019	**Site:** AREA II	**Matrix:** FBT	**Collect Date:** 11/14/2002	12:00 PM
Sample Field ID#: NBH02-L-E-2	**Locator:** Station E Fort Phoenix	**Collector:** Camisa, M	**Receive Date:** 01/03/2003	9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Lead	ND	mg/Kg wet	0.11	0.33	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	92	% Recovery	60 - 140		Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1242	0.061	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1254	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1260	0.022 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.013	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.056	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0040	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0013 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0029 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0026 M	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0044	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0042 M	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.017	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 44	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-019 **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/14/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2 **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 52	0.0042 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.021	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.0053 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0056	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.027	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.045	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0048 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Lipid Concentration	0.33	%			Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Solid Concentration	18	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Meat				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	343	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-020 **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/14/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2 **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	1.6	mg/Kg wet	0.027	0.080	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.027	0.080	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	230	mg/Kg wet	0.027	0.080	EPA 200.7	04/29/2003 10:00 AM	Approved
Lead	ND	mg/Kg wet	0.27	0.80	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	88	% Recovery	60 - 140		Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-020	**Site:**	AREA II	**Matrix:**	FBT	**Collect Date:**	11/14/2002 12:00 PM
Sample Field ID#:	NBH02-L-E-2	**Locator:**	Station E Fort Phoenix	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB A1242	1.7	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1254	4.9	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB A1260	1.6	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.19 J	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.51	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.080	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	3.2	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	0.034 J	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 156	0.25	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.075	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.20	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.19	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.35	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	0.014 M	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.028 M	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.10	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.86	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.038	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.28	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 66	1.0	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-020 **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/14/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2 **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 101	0.44	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.36	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 138	2.0	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 153	3.1	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.38	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 195	0.016 M	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	12	%			Modified AOAC 983.21	04/09/2003 12:00 AM	Approved
Solid Concentration	26	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Lobster Tomalley				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Weight	51	g wet			Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-020A **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/14/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2A **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	82.5	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities					Fish Processing SOP	03/19/2003 1:00 PM	Approved
Minor shell rot on cephalon							
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-019				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-020				Fish Processing SOP	03/19/2003 1:00 PM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-020B **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/14/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2B **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	76.6	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-019				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-020				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-020C **Site:** AREA II **Matrix:** FBT **Collect Date:** 11/20/2002 12:00 PM
Sample Field ID#: NBH02-L-E-2C **Locator:** Station E Fort Phoenix **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Length	75.1	mm			Fish Processing SOP	03/19/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Sex	Male				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Claw Type	Normal				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Shell Type	Hard				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Meat Composite Sample ID	2003006-019				Fish Processing SOP	03/19/2003 1:00 PM	Approved
Lobster Tomalley Composite Sample ID	2003006-020				Fish Processing SOP	03/19/2003 1:00 PM	Approved

Sample Lab ID#: 2003006-021 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/08/2002 12:00 PM
Sample Field ID#: NBH02-FF-A-1 **Locator:** Station A W-Barrier Open **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	ND	mg/Kg wet	0.010	0.029	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	0.068	mg/Kg wet	0.010	0.029	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	3.1	mg/Kg wet	0.010	0.029	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-021 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/08/2002 12:00 PM
Sample Field ID#: NBH02-FF-A-1 **Locator:** Station A W-Barrier Open **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	282	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Length	29	cm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lead	ND	mg/Kg wet	0.096	0.29	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	88	% Recovery	60 - 140		Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1242	0.088	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1254	0.44	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1260	0.034 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.0022 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated ffrom secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.013	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.070	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.0055	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0014 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0035 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.0044	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.0077	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
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MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-021 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/08/2002 12:00 PM
Sample Field ID#: NBH02-FF-A-1 **Locator:** Station A W-Barrier Open **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.0014 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.0061	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.034	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.0015 M	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.015	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.034	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.018	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.0092	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.052	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.075	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.0045 M	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Lipid Concentration	0.14	%			Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Solid Concentration	21	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Winter Flounder				Fish Processing SOP		Approved

Sample Lab ID#: 2003006-022 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-B-1 **Locator:** Station B 195 Overpass **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	ND	mg/Kg wet	0.011	0.034	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	0.080	mg/Kg wet	0.011	0.034	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	1.6	mg/Kg wet	0.011	0.034	EPA 200.7	04/29/2003 10:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-022	**Site:**	AREA I	**Matrix:**	FBT
Sample Field ID#:	NBH02-FF-B-1	**Locator:**	Station B 195 Overpass	**Collector:**	Camisa, M

Collect Date: 11/25/2002 12:00 PM
Receive Date: 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	213	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Length	27	cm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Female				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lead	ND	mg/Kg wet	0.11	0.34	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	84	% Recovery	60 - 140		Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1242	0.80	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.038	0.11	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1254	1.9	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1260	0.14	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.0086 J	ug/g wet	0.0008	0.0024	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.030	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.0047	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.16	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.012	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.0029 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.0090	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0006	0.0018	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.010	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.020	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-022 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-B-1 **Locator:** Station B 195 Overpass **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.0013	0.0039	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 8	0.019	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.049	ug/g wet	0.0016	0.0048	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.28	ug/g wet	0.0033	0.0099	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.035	ug/g wet	0.0010	0.0030	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.14	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.088	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.16	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.017	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.10	ug/g wet	0.0017	0.0051	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.15	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.020	ug/g wet	0.0022	0.0066	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 195	0.0019 M	ug/g wet	0.0011	0.0033	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 206	0.0015 M	ug/g wet	0.0012	0.0036	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.0014	0.0042	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Lipid Concentration	0.18	%			Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Solid Concentration	21	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	Winter Flounder				Fish Processing SOP		Approved

Sample Lab ID#: 2003006-023 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-A-1 **Locator:** Station A 195 Overpass **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	ND	mg/Kg wet	0.014	0.042	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.014	0.042	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	0.12 J	mg/Kg wet	0.014	0.042	EPA 200.7	04/29/2003 10:00 AM	Approved

J= LRB contamination exceeded 10% of the concentration in the sample

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-023 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-A-1 **Locator:** Station A 195 Overpass **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	830	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Length	73	cm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Unknown				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lead	ND	mg/Kg wet	0.14	0.42	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	88	% Recovery	60 - 140		Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.95	2.9	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1242	5.4	ug/g wet	0.95	2.9	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	1.9	5.5	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1254	62	ug/g wet	0.65	1.9	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB A1260	3.5	ug/g wet	1.1	3.3	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.040	0.12	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.050	0.15	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.57	ug/g wet	0.065	0.20	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	0.19 M	ug/g wet	0.065	0.20	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	6.5	ug/g wet	0.060	0.18	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.065	0.20	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.050	0.15	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.50	ug/g wet	0.055	0.17	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.13 M	ug/g wet	0.060	0.18	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.34	ug/g wet	0.060	0.18	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.030	0.090	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.40	ug/g wet	0.065	0.20	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.66	ug/g wet	0.060	0.18	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.065	0.20	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-023 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-A-1 **Locator:** Station A 195 Overpass **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 8	ND	ug/g wet	0.050	0.15	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.30	ug/g wet	0.080	0.24	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 28	2.3	ug/g wet	0.17	0.49	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 44	2.2	ug/g wet	0.050	0.15	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 52	8.4	ug/g wet	0.11	0.33	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 66	3.2	ug/g wet	0.11	0.33	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 101	6.5	ug/g wet	0.11	0.33	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.75	ug/g wet	0.060	0.18	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 138	4.4	ug/g wet	0.085	0.26	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 153	6.1	ug/g wet	0.070	0.21	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.72	ug/g wet	0.11	0.33	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.055	0.17	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.060	0.18	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.070	0.21	Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
MDLs and RLs reflect 50X dilution of sample.							
Lipid Concentration	9.3	%			Modified AOAC 983.21	04/03/2003 12:00 AM	Approved
Solid Concentration	31	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	American Eel				Fish Processing SOP		Approved

Sample Lab ID#: 2003006-024 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-B-1 **Locator:** Station B W lighthouse **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	ND	mg/Kg wet	0.011	0.033	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	0.066	mg/Kg wet	0.011	0.033	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	1.0 J	mg/Kg wet	0.011	0.033	EPA 200.7	04/29/2003 10:00 AM	Approved
J= LRB contamination exceeded 10% of the concentration in the sample							

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-024 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-B-1 **Locator:** Station B W lighthouse **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	764	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Length	73	cm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Unknown				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lead	ND	mg/Kg wet	0.11	0.33	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	86	% Recovery	60 - 140		Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1242	0.24	ug/g wet	0.019	0.057	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.76	2.2	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1254	9.6	ug/g wet	0.26	0.78	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1260	0.88 M	ug/g wet	0.44	1.3	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.45	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	2.1	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.15	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.047 M	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.11	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.098	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.22	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-024 **Site:** AREA I **Matrix:** FBT **Collect Date:** 11/25/2002 12:00 PM
Sample Field ID#: NBH02-FF-B-1 **Locator:** Station B W lighthouse **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 8	ND	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 18	ND	ug/g wet	0.032	0.096	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.38	ug/g wet	0.066	0.20	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.27	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 52	1.5	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.73	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 101	1.7	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.25	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.5	ug/g wet	0.034	0.10	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 153	1.1	ug/g wet	0.028	0.084	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.17	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.028	0.084	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
MDLs and RLs reflect 20X dilution.							
Lipid Concentration	8.5	%			Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
Solid Concentration	31	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	American Eel				Fish Processing SOP		Approved

Sample Lab ID#: 2003006-025 **Site:** AREA I **Matrix:** FBT **Collect Date:** 12/13/2002 12:00 PM
Sample Field ID#: NBH02-FF-C-1 **Locator:** Station C SW Culvert **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	ND	mg/Kg wet	0.009	0.026	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	ND	mg/Kg wet	0.009	0.026	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	0.14 J	mg/Kg wet	0.009	0.026	EPA 200.7	04/29/2003 10:00 AM	Approved
J= LRB contamination exceeded 10% of the concentration in the sample							

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-025	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	12/13/2002 12:00 PM
Sample Field ID#:	NBH02-FF-C-1	**Locator:**	Station C SW Culvert	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	117	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Length	43	cm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Unknown				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lead	ND	mg/Kg wet	0.088	0.26	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	86	% Recovery	60 - 140		Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1242	0.78 M	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.76	2.2	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1254	12	ug/g wet	0.26	0.78	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB A1260	0.92 M	ug/g wet	0.44	1.3	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	ND	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.57	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	2.3	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.15	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.045 M	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.11	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.097	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.21	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.026	0.078	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-025 **Site:** AREA I **Matrix:** FBT **Collect Date:** 12/13/2002 12:00 PM
Sample Field ID#: NBH02-FF-C-1 **Locator:** Station C SW Culvert **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Congener BZ# 8	ND	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.052	ug/g wet	0.032	0.096	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.36	ug/g wet	0.066	0.20	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.33	ug/g wet	0.020	0.060	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 52	1.4	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.73	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 101	1.9	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.28	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 138	1.6	ug/g wet	0.034	0.10	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 153	2.1	ug/g wet	0.028	0.084	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.18	ug/g wet	0.044	0.13	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.024	0.072	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.028	0.084	Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
MDLs and RLs reflect 20X dilution.							
Lipid Concentration	5.1	%			Modified AOAC 983.21	04/04/2003 12:00 AM	Approved
Solid Concentration	25	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	American Eel				Fish Processing SOP		Approved

Sample Lab ID#: 2003006-026 **Site:** AREA I **Matrix:** FBT **Collect Date:** 12/13/2002 12:00 PM
Sample Field ID#: NBH02-FF-D-1 **Locator:** Station D Marina **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Cadmium	ND	mg/Kg wet	0.010	0.030	EPA 200.7	04/29/2003 10:00 AM	Approved
Chromium	0.032	mg/Kg wet	0.010	0.030	EPA 200.7	04/29/2003 10:00 AM	Approved
Copper	0.61 J	mg/Kg wet	0.010	0.030	EPA 200.7	04/29/2003 10:00 AM	Approved

J= LRB contamination exceeded 10% of the concentration in the sample

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)
NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#:	2003006-026	**Site:**	AREA I	**Matrix:**	FBT	**Collect Date:**	12/13/2002 12:00 PM
Sample Field ID#:	NBH02-FF-D-1	**Locator:**	Station D Marina	**Collector:**	Camisa, M	**Receive Date:**	01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
Weight	314	g wet			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Length	57	cm			Fish Processing SOP	03/18/2003 1:00 PM	Approved
Abnormalities	None				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Sex	Unknown				Fish Processing SOP	03/18/2003 1:00 PM	Approved
Lead	ND	mg/Kg wet	0.10	0.30	EPA 200.7	04/29/2003 10:00 AM	Approved
Surrogate			**Acceptance Criteria**				
PCNB	100	% Recovery	60 - 140		Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1232	ND	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1242	0.56 M	ug/g wet	0.19	0.57	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1248	ND	ug/g wet	0.38	1.1	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1254	1.3	ug/g wet	0.13	0.39	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB A1260	0.30 M	ug/g wet	0.22	0.66	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 77	0.018 J	ug/g wet	0.0080	0.024	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
Compound quantitated from secondary column. No MDL generated from secondary column.							
PCB Toxic Congener BZ# 81	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 105	0.11	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 114	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 118	0.56	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 123	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 126	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 156	0.050	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 157	0.014 M	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 167	0.031 M	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 169	ND	ug/g wet	0.0060	0.018	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 170	0.041	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Toxic Congener BZ# 180	0.062	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Sample Lab ID#: 2003006-026 **Site:** AREA I **Matrix:** FBT **Collect Date:** 12/13/2002 12:00 PM
Sample Field ID#: NBH02-FF-D-1 **Locator:** Station D Marina **Collector:** Camisa, M **Receive Date:** 01/03/2003 9:55 AM

Analyte/Compound	Result	Units	MDL	RDL	Method	Analysis Date	Status
PCB Toxic Congener BZ# 189	ND	ug/g wet	0.013	0.039	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 8	ND	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 18	0.050	ug/g wet	0.016	0.048	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 28	0.070 M	ug/g wet	0.033	0.099	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 44	0.047	ug/g wet	0.010	0.030	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 52	0.28	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 66	0.075	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 101	0.18	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 128	0.056	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 138	0.51	ug/g wet	0.017	0.051	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 153	0.67	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 187	0.050 M	ug/g wet	0.022	0.066	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 195	ND	ug/g wet	0.011	0.033	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 206	ND	ug/g wet	0.012	0.036	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
PCB Congener BZ# 209	ND	ug/g wet	0.014	0.042	Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
MDLs and RLs reflect 10X dilution.							
Lipid Concentration	2.0	%			Modified AOAC 983.21	04/07/2003 12:00 AM	Approved
Solid Concentration	26	%			Modified AOAC 950.46B	05/08/2003 1:00 PM	Approved
Species	American Eel				Fish Processing SOP		Approved

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Cadmium	LFB	88	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/28/2003 10:00 AM
Cadmium	LFB	96	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/29/2003 10:00 AM
Cadmium	LFM	83	% Recovery	70 - 130	EPA 200.7	0.99	mg/Kg wet	04/28/2003 10:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Sample Lab ID#: 2003006-001								
Cadmium	LFM	102	% Recovery	70 - 130	EPA 200.7	7.9	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Cadmium	LFM2	94	% Recovery	70 - 130	EPA 200.7	6.1	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-020								
Cadmium	LRB	ND	mg/L	ND	EPA 200.7	NA		04/28/2003 10:00 AM
Cadmium	LRB	ND	mg/L	ND	EPA 200.7	NA		04/29/2003 10:00 AM
Cadmium	QCS	93	% Recovery	70 - 130	EPA 200.7	2.5	mg/Kg dry	04/28/2003 10:00 AM
Cadmium	QCS	93	% Recovery	70 - 130	EPA 200.7	2.5	mg/Kg dry	04/29/2003 10:00 AM
Cadmium	QCS2	109	% Recovery	70 - 130	EPA 200.7	1.0	mg/L	04/29/2003 10:00 AM
Cadmium	Samp DUP	6.5	RPD	0 - 20	EPA 200.7	NA		04/28/2003 10:00 AM
Sample Lab ID#: 2003006-001								
Cadmium	Samp DUP	13	RPD	0 - 20	EPA 200.7	NA		04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Chromium	LFB	116	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/28/2003 10:00 AM
LFB accuracy was acceptable in other LFBs in the batch; data qualification was not necessary.								
Chromium	LFB	98	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/29/2003 10:00 AM
Chromium	LFM	112	% Recovery	70 - 130	EPA 200.7	1.0	mg/Kg wet	04/28/2003 10:00 AM
Sample Lab ID#: 2003006-001								
Chromium	LFM	92	% Recovery	70 - 130	EPA 200.7	7.9	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Chromium	LFM2	90	% Recovery	70 - 130	EPA 200.7	6.1	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-020								
Chromium	LRB	ND	mg/L	ND	EPA 200.7	NA		04/28/2003 10:00 AM
Chromium	LRB	ND	mg/L	ND	EPA 200.7	NA		04/29/2003 10:00 AM
Chromium	QCS	112	% Recovery	70 - 130	EPA 200.7	0.14	mg/Kg dry	04/28/2003 10:00 AM
Chromium	QCS2	101	% Recovery	70 - 130	EPA 200.7	1.0	mg/L	04/29/2003 10:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
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- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

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LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Chromium	Samp DUP	0.0	RPD	0 - 20	EPA 200.7	NA		04/28/2003 10:00 AM
Sample Lab ID#: 2003006-001								
Chromium	Samp DUP	0.0	RPD	0 - 20	EPA 200.7	NA		04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Copper	LFB	110	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/28/2003 10:00 AM
Copper	LFB	117	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/29/2003 10:00 AM
LFB accuracy was acceptable in other LFBs in the batch; data qualification was not necessary.								
Copper	LFM2	104	% Recovery	70 - 130	EPA 200.7	270	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-020								
Copper	LRB	0.12	mg/L	ND	EPA 200.7	NA		04/28/2003 10:00 AM
Copper	LRB	0.16	mg/L	ND	EPA 200.7	NA		04/29/2003 10:00 AM
Copper	QCS	102	% Recovery	70 - 130	EPA 200.7	72	mg/Kg dry	04/28/2003 10:00 AM
Copper	QCS	96	% Recovery	70 - 130	EPA 200.7	72	mg/Kg dry	04/29/2003 10:00 AM
Copper	Samp DUP	9.5	RPD	0 - 20	EPA 200.7	NA		04/28/2003 10:00 AM
Sample Lab ID#: 2003006-001								
Copper	Samp DUP	13	RPD	0 - 20	EPA 200.7	NA		04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Lead	LFB	96	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/28/2003 10:00 AM
Lead	LFB	92	% Recovery	85 - 115	EPA 200.7	0.25	mg/L	04/29/2003 10:00 AM
Lead	LFM	87	% Recovery	70 - 130	EPA 200.7	0.99	mg/Kg wet	04/28/2003 10:00 AM
Sample Lab ID#: 2003006-001								
Lead	LFM	92	% Recovery	70 - 130	EPA 200.7	7.9	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Lead	LFM2	91	% Recovery	70 - 130	EPA 200.7	6.1	mg/Kg wet	04/29/2003 10:00 AM
Sample Lab ID#: 2003006-020								
Lead	LRB	ND	mg/L	ND	EPA 200.7	NA		04/28/2003 10:00 AM
Lead	LRB	ND	mg/L	ND	EPA 200.7	NA		04/29/2003 10:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION **Project Name:** New Bedford Harbor Fish
Contact: **Project Coordinator:** Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
Lead	QCS	103	% Recovery	70 - 130	EPA 200.7	0.13	mg/Kg dry	04/28/2003 10:00 AM
Lead	QCS2	95	% Recovery	70 - 130	EPA 200.7	1.0	mg/L	04/29/2003 10:00 AM
Lead	Samp DUP	0.0	RPD	0 - 20	EPA 200.7	NA		04/28/2003 10:00 AM
Sample Lab ID#: 2003006-001								
Lead	Samp DUP	0.0	RPD	0 - 20	EPA 200.7	NA		04/29/2003 10:00 AM
Sample Lab ID#: 2003006-008								
Surrogate								
PCNB	LB	78	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	03/27/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/27/2003 12:00 AM
Lipid Concentration = 0.58%								
Surrogate								
PCNB	LB	88	% Recovery	60 - 140	Modified AOAC 983.21	0.048	ug/g wet	03/31/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
Lipid Concentration = 0.58%								
Surrogate								
PCNB	LB	83	% Recovery	60 - 140	Modified AOAC 983.21	0.048	ug/g wet	04/01/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM

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WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/01/2003 12:00 AM
Lipid Concentration = 0.56%								
Surrogate								
PCNB	LB	85	% Recovery	60 - 140	Modified AOAC 983.21	0.048	ug/g wet	04/03/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/03/2003 12:00 AM
Lipid Concentration = 0.68%								
Surrogate								
PCNB	LB	54	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	04/04/2003 12:00 AM
Surrogate recovery just below lower acceptance limit; however, other LBs in the batch were acceptable. Data qualification was not necessary.								
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
Lipid Concentration = 0.87%								
Surrogate								
PCNB	LB	88	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	04/07/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION **Project Name:** New Bedford Harbor Fish
Contact: **Project Coordinator:** Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/07/2003 12:00 AM
Lipid Concentration = 0.43%								
Surrogate								
PCNB	LB	88	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	04/08/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/08/2003 12:00 AM
Lipid Concentration = 0.64%								
Surrogate								
PCNB	LB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.048	ug/g wet	04/09/2003 12:00 AM
PCB A1232	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB A1242	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB A1248	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB A1254	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB A1260	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 77	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 81	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 105	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 114	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- **M = Analyte concentration > MDL but < RDL**
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R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 118	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 123	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 126	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 156	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 157	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 167	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 169	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 170	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 180	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Toxic Congener BZ# 189	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 8	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 18	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 28	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 44	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 52	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 66	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 101	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 128	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 138	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 153	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 187	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 195	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 206	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
PCB Congener BZ# 209	LB	ND	ug/g wet	ND	Modified AOAC 983.21	NA		04/09/2003 12:00 AM
Lipid Concentration = 0.71%								
Surrogate								
PCNB	LFB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	03/27/2003 12:00 AM

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
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R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

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RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Project Name: New Bedford Harbor Fish
Contact:
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB A1232	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB A1242	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB A1248	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB A1254	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.49	ug/g wet	03/27/2003 12:00 AM
PCB A1260	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 8	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 18	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 28	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 44	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 52	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 66	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 101	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 128	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM

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Estimated Value:
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H = USEPA holding time exceeded
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NA = Not applicable

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LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 138	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 153	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 187	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 195	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 206	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
PCB Congener BZ# 209	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	03/27/2003 12:00 AM
Lipid Concentration = 0.57%								
Surrogate								
PCNB	LFB	90	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	04/03/2003 12:00 AM
PCB A1232	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB A1242	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB A1248	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB A1254	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB A1260	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFB	80	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFB	96	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFB	100	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFB	96	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFB	108	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFB	100	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFB	52	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM

Percent recovery outside acceptance limits. Results for extraction set (4/3/03) still considered valid.

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
- M = Analyte concentration > MDL but < RDL
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NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

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LRB = Laboratory Reagent Blank

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:
Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 170	LFB	56	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
Percent recovery outside acceptance limits. Results for extraction set (4/3/03) still considered valid.								
PCB Toxic Congener BZ# 180	LFB	100	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFB	76	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/03/2003 12:00 AM
Lipid Concentration = 0.62%								
PCB Congener BZ# 8	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 18	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 28	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 44	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 52	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 66	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 101	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 128	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 138	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 153	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 187	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 195	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 206	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
PCB Congener BZ# 209	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/03/2003 12:00 AM
Surrogate								
PCNB	LFB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	04/08/2003 12:00 AM
PCB A1232	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB A1242	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB A1248	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB A1254	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB A1260	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 81	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFB	104	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFB	124	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFB	124	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFB	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 8	LFB	100	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 18	LFB	128	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 28	LFB	104	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 44	LFB	92	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 52	LFB	104	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 66	LFB	108	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 101	LFB	104	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 128	LFB	116	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 138	LFB	112	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 153	LFB	108	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 187	LFB	120	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 195	LFB	116	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
PCB Congener BZ# 206	LFB	116	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 209 **Lipid Concentration = 0.53%**	LFB	120	% Recovery	60 - 140	Modified AOAC 983.21	0.025	ug/g wet	04/08/2003 12:00 AM
Surrogate								
PCNB	LFM	84	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	04/01/2003 12:00 AM
PCB A1232	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB A1242	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB A1248	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB A1254	LFM	102	% Recovery	60 - 140	Modified AOAC 983.21	0.50	ug/g wet	04/01/2003 12:00 AM
PCB A1260	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 157	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 8	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 18	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 28	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 44	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 52	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 66	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 101	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 128	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 138	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 153	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 187	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 195	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 206	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
PCB Congener BZ# 209	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/01/2003 12:00 AM
Lipid Concentration = 0.22%								
Sample Lab ID#: 2003006-017								
Surrogate								
PCNB	LFM	102	% Recovery	60 - 140	Modified AOAC 983.21	0.050	ug/g wet	04/07/2003 12:00 AM
PCB A1232	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB A1242	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB A1248	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB A1254	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB A1260	LFM	114	% Recovery	60 - 140	Modified AOAC 983.21	0.80	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 77	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 81	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 105	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 114	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 118	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 123	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 126	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 156	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)

Estimated Value:
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- **H = USEPA holding time exceeded**
- **J = Other QC criteria not met (see comments)**

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected

N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation

R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit

RDL = Reporting Detection Limit (equiv. MRL)

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LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Toxic Congener BZ# 157	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 167	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 169	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 170	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 180	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Toxic Congener BZ# 189	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 8	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 18	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 28	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 44	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 52	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 66	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 101	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 128	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 138	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 153	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 187	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 195	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 206	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM
PCB Congener BZ# 209	LFM	ND	% Recovery	60 - 140	Modified AOAC 983.21	NA	ug/g wet	04/07/2003 12:00 AM

Lipid Concentration = 2.2%

Sample Lab ID#: 2003006-026

Surrogate								
PCNB	Samp DUP	81	% Recovery	60 - 140	Modified AOAC 983.21	0.048	ug/g wet	03/31/2003 12:00 AM
PCB A1232	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1242	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1248	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM

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Estimated Value:
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H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

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N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
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MDL = Method Detection Limit
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB A1254	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB A1260	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 77	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 81	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 105	Samp DUP	8.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 114	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 118	Samp DUP	22	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 123	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 126	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 156	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 157	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 167	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 169	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 170	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 180	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Toxic Congener BZ# 189	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 8	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 18	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 28	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 44	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 52	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 66	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 101	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 128	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 138	Samp DUP	17	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 153	Samp DUP	12	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 187	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM

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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 195	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 206	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
PCB Congener BZ# 209	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
Sample Lab ID#: 2003006-011								
Surrogate								
PCNB	Samp DUP	86	% Recovery	60 - 140	Modified AOAC 983.21	0.049	ug/g wet	04/04/2003 12:00 AM
PCB A1232	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1242	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1248	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1254	Samp DUP	3.1	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB A1260	Samp DUP	3.4	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 77	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 81	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 105	Samp DUP	2.2	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 114	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 118	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 123	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 126	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 156	Samp DUP	6.5	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 157	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 167	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 169	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 170	Samp DUP	2.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 180	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Toxic Congener BZ# 189	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 8	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 18	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM

ND = Analyzed for, but not detected above MDL (equiv. U)
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MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date
PCB Congener BZ# 28	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 44	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 52	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 66	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 101	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 128	Samp DUP	3.9	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 138	Samp DUP	0.0	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 153	Samp DUP	63	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 187	Samp DUP	5.7	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
Results reflect 20X dilution.								
PCB Congener BZ# 195	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 206	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
PCB Congener BZ# 209	Samp DUP	ND		0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
Sample Lab ID#: 2003006-024								
Lipid Concentration	Samp DUP	11	RPD	0 - 25	Modified AOAC 983.21	NA		03/31/2003 12:00 AM
Sample Lab ID#: 2003006-011								
Lipid Concentration	Samp DUP	2.4	RPD	0 - 25	Modified AOAC 983.21	NA		04/04/2003 12:00 AM
Sample Lab ID#: 2003006-024								
Solid Concentration	Samp DUP	6.7	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003005-001								
Solid Concentration	Samp DUP2	2.7	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-001								
Solid Concentration	Samp DUP3	1.5	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-002								
Solid Concentration	Samp DUP4	2.4	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM
Sample Lab ID#: 2003006-021								
Solid Concentration	Samp DUP5	2.6	RPD	0 - 20	Modified AOAC 950.46B	NA		05/08/2003 1:00 PM

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

NA = Not applicable

B = Analyte detected in sample, and in LRB and/or trip blank or no trip blank was collected
N = GC/MS non-target tentatively identified compound (TIC) - no standard available for quantitation
R = Data rejected due to severe QC, quantitation and/or qualitative ID deficiencies

MDL = Method Detection Limit
RDL = Reporting Detection Limit (equiv. MRL)
LRB = Laboratory Reagent Blank
LB = Laboratory Blank (equiv. Method Blank)
LFB = Laboratory Fortified Blank (equiv. LCS)
LFM = Laboratory Fortified Sample Matrix (equiv. MS)
QCS = Quality Control Sample (external to lab)

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF ENVIRONMENTAL ANALYSIS
WILLIAM X. WALL EXPERIMENT STATION
EPA #: MA00019

Analysis Report for Login Batch: 2003006

Prepared For: BWSC DIV RESPONSE & REMEDIATION
Contact:

Project Name: New Bedford Harbor Fish
Project Coordinator: Paul Craffey

Quality Control Data

Analyte/Compound	QC Type	Result	Units	Acceptance Criteria	Method	Spike Conc.	Spike Units	Analysis Date

Sample Lab ID#: 2003006-024

Approved*: Oscar C. Garcia Date: 05/22/2003

*QA Level 1 and 2 Completed - QA/QC documentation, raw analytical data, and Chain-of-Custody/Sample Tracking Form are available upon request.

ND = Analyzed for, but not detected above MDL (equiv. U)
Estimated Value:
M = Analyte concentration > MDL but < RDL
H = USEPA holding time exceeded
J = Other QC criteria not met (see comments)

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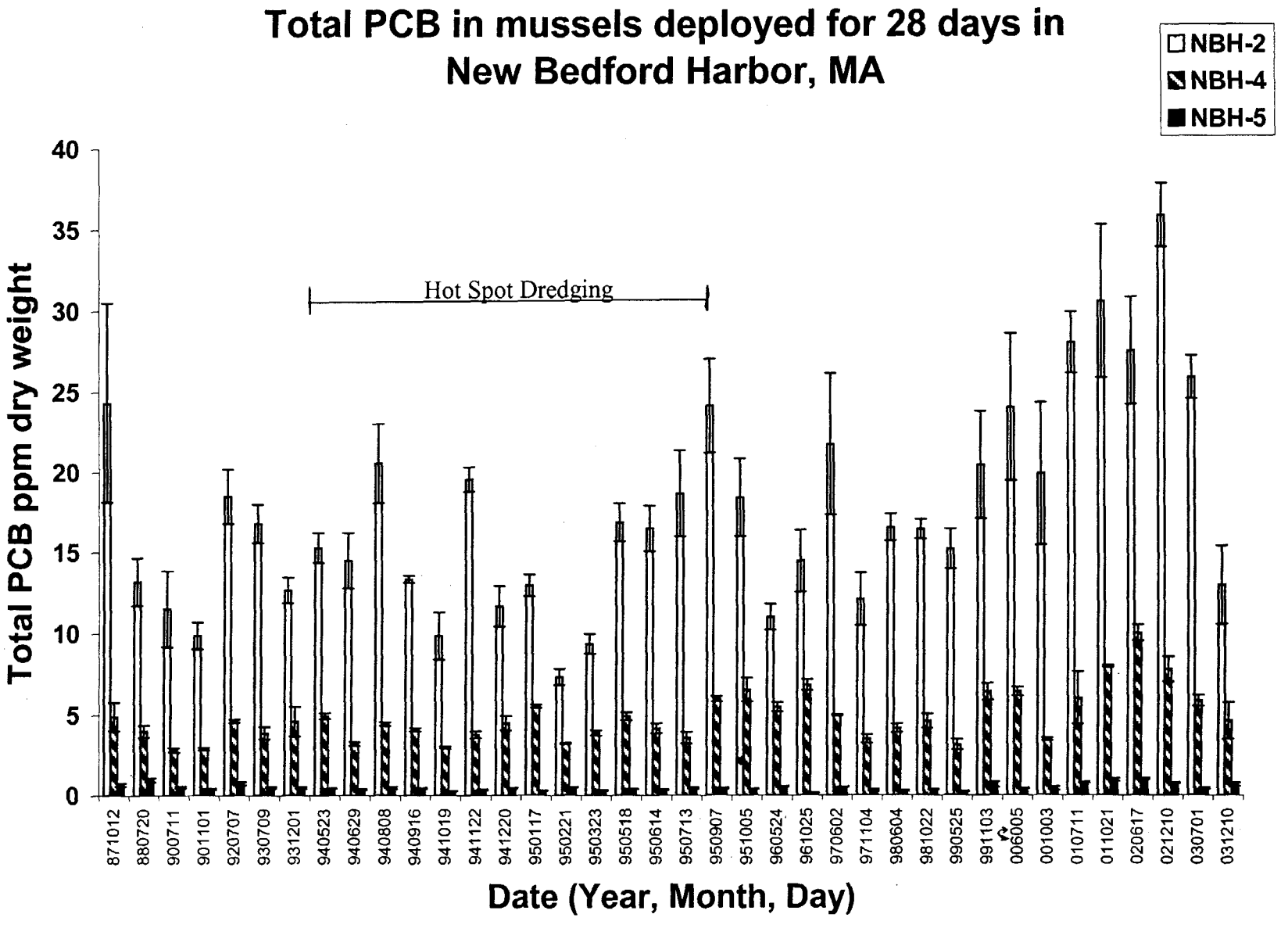
Appendix C

Appendix C - Blue Mussel Bioaccumulation Data, US EPA NHEERL



Note: reported concentrations are the total of the ten most prevalent congeners (52, 101, 118, 128, 138, 153, 180, 195, 206, 209). NBH-2 is at the Coggeshall Street bridge, NBH-4 is at the hurricane barrier, and NBH-5 is the reference station at West Island in Fairhaven.

Appendix D

PCB SUMMARY SHEET

PCB analysis in lobsters from sampling sites in New Bedford Harbor (Area 3)
Division of Marine Fisheries and State Food and Drug
ppm (ug/g wet wt. edible portion)

Station	*1980 Spring DMF	*1980 Fall DMF	*1981 Summer DMF	*1981 Fall DMF	1982 Spring DMF	1982 Spring F&D	1982 Summer F&D	1982 Fall DMF	1982 Fall F&D	1983 Spring DMF	1983 Fall DMF	1984 Spring F&D	1984 Fall F&D	1985 Spring DMF	1985 Fall DMF	*1986 Spring DMF	1986 Fall DMF	1987 Spring DMF	1987 Fall DMF
JJJ	5.8	3.2		1.7	5.4	6.5	2.2	1.9	5.0	3.5	2.0	5.7	5.0	4.3	4.6				
KKK	4.8			0.8	2.1	6.5	1.9	1.4	3.2	7.0	2.3	6.0	4.4	3.3	2.6	1.88	1.15	5.29	2.79
LLL				2.2	4.6	8.1	5.7	23.8	8.1	2.7	4.4	7.6	7.0	6.8	6.8	4.83	8.31	7.82	2.91
MMM	4.4			0.7	4.0	5.5	2.2	2.2	6.4	7.6	3.4	9.3	4.2	5.5	4.4	1.41	1.55	4.95	4.08
RR				1.2	7.5	8.8	4.6	11.5	3.3	6.1	2.9	8.1	7.0	6.1	11.4	3.43	3.21	5.52	5.83**
SS	4.7	2.3	8.8	0.5	7.5	7.4	6.1	6.9	4.1	3.8	3.9	11.1	7.6	3.6	3.8	3.01	2.35	5.79	5.24
TT		1.6	8.3	1.1	4.4	5.8	3.4	3.2	6.1	7.8	5.5	2.9	3.4	5.1	3.9	4.51	1.77	4.49	6.58**
UU	3.4	0.8	4.0	0.4	2.9	4.6	2.5	2.4	2.1	2.1	1.3	3.1	4.9	3.4	1.0	2.59	1.38	4.65	2.36
VV	2.4	0.8	2.5	0.7	3.3	3.9	0.7	0.6	2.7	1.0	2.1	7.0	1.5	3.9		1.61	1.81	1.74	0.89
YY	4.8	1.2	1.7	0.7	2.0	5.5	2.1	1.2	3.2		2.8	2.9	4.1	5.2	*2.0	1.72	1.91	2.99	1.23
ZZ	2.4	2.3		1.1	2.9	3.5	1.7	1.3	2.9	1.2	2.0	3.6	3.3	5.6	1.1	3.15	2.63	3.15	2.60
Season Ave.	4.1	1.7	5.1	1.0	4.2	6.0	3.0	5.1	4.3	4.3	3.0	6.1	4.8	4.8	4.2	2.81	2.61	4.64	3.45

(Continued)

Station	Spring 1989 DMF	Fall 1989 DMF	Spring 1990 DMF	Spring 1991 DMF	Spring 1992 DMF	Spring 1993 DMF	Spring 1994 DMF	Spring 1995 DMF	Spring 1996 DMF	Spring 1997 DMF	Spring 1998 DMF
JJJ											
KKK	2.90	1.12	1.60	2.60	1.70	1.50	0.40	0.94	1.20	1.40	0.64
LLL	2.09	1.80	4.63	6.30	0.21	0.80	0.38	1.60	0.82	1.30	0.79
MMM	3.17	2.19	1.63	2.20	1.00	0.76	0.33	1.50	0.75	0.72	0.92
RR	4.19	1.74	2.11	1.60	0.77	1.20	0.68	1.00	1.30	1.20	1.20
SS	3.74	1.90	1.82	1.10	0.62	1.20	0.75	1.40	0.87	0.88	0.78
TT	1.58	1.81	1.52	2.10	0.48	1.40	0.46	1.40	0.82	0.89	0.95
UU	2.58	1.58	2.84	3.70	1.30	1.30	1.10	1.50	0.50	0.74	0.74
VV	3.18	1.47	1.94	2.00	1.10	1.20	0.77	0.97	0.37	0.60	0.63
YY	2.01	2.13	3.57	2.70	1.20	0.95	0.77	1.70	0.60	0.73	0.63
ZZ	2.56	2.53	2.37	2.10	1.10	1.10	0.64	1.10	0.54	0.70	0.85
Season Ave.	2.80	1.83	2.40	2.60	0.95	1.10	0.63	1.30	0.78	1.02	0.81

* Values for 1980-1981, Spring 1986, and Sta. YY - Fall 1985 represent averages of individual analyses or single analyses. All other values are composite PCB concentrations of 2-3 individuals.

** Values are averages of two composites.

Updated 6/1/99. MA Div. Marine Fisheries