Monitoring Report for Seafood Harvested in 2020 from the New Bedford Harbor Superfund Site

by

Massachusetts Department of Environmental Protection

and

Massachusetts Division of Marine Fisheries

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APPENDICIES

1. Introduction

This report documents the levels of PCBs (polychlorinated biphenyls) measured in edible seafood species caught in New Bedford Harbor and surrounding Buzzards Bay in southeastern Massachusetts in 2020. This seafood monitoring program is part of the ongoing PCB cleanup program for the New Bedford Harbor (NBH) Superfund Site, and was a collaborative effort involving the MA Department of Marine Fisheries (DMF), the MA Department of Environmental Protection, (MassDEP), and the U.S. Environmental Protection Agency Region I (EPA).

Due to the identification of high PCB levels in area seafood, the MA Department of Public Health in 1979 promulgated regulations restricting seafood consumption in three closure areas in and around NBH as shown on Figure 1 (MADPH, 1979). NBH was subsequently listed as a Superfund site in 1983. Per the 1998 Record of Decision (ROD) (EPA, 1998) for the Site, as modified by six Explanation of Significant Differences (ESDs), approximately 900,000 cubic yards (cy) of in situ contaminated sediment was to be addressed to meet the sediment cleanup levels. Consistent with the 1998 ROD, this seafood monitoring program will aid in the evaluation of the overall effectiveness of the harbor cleanup, as well as assist in the implementation of institutional controls and seafood restrictions.

2. Seafood Monitoring Program Design

Based on previous investigations and risk assessments performed for the NBH Site, a variety of species were selected for this monitoring program that are considered locally caught seafood; are generally available for field collection; and which bracket potential worse case tissue levels **(**MassDEP, 2020**)**. In previous sampling rounds, these species include lobster (*Homarus americanus*), blue crabs (*Carcinus maenas*), quahog (i.e., hard shelled clam, *Mercenaria mercenaria*), alewife (*Alosa pseudoharengus*), American eel (*Anguilla rostrata*), black sea bass (*Centropristes striatus*), winter flounder (*Pseudopleuronectes americanus*), and scup (*Stenotomus chrysops).* The goal of this seafood monitoring program is to acquire annual collections of these species in sufficient numbers from all three closure areas to enable statistical comparisons between them, but with the understanding that some species may not necessarily be caught in sufficient numbers every year.

To meet this goal, the monitoring design calls for five composite samples for each species from each of the three closure areas. Based on previous site sampling experience, modifications have been made to the original sampling approach. The species collected for 2020 were pre-spawn quahog and conch.

Each composite sample consists of legally harvestable organisms. The quahog composited sample generally consists of 12 to 15 organisms per location. The conch composited sample consists of 12 organisms per location.

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 risk-based site-specific threshold of 0.02 ppm PCBs. Consistent with CERCLA and the NCP, the selected remedy for the Site (EPA, 1998, Section X) uses a health-based seafood criteria of 0.02 ppm PCBs based on local patterns of seafood consumption which involve more frequent consumption of local PCB-contaminated seafood than that used by the FDA standard.

3. 2020 Field Collection

The DMF on-site field sampling program included the collection of quahog and conch. The Sampling Report for species collected in 2020 by DMF is in Appendix C (MA DMF, 2021).

The quahogs were collected pre-spawn in May (Figure 2) using a rake and diver. The quahog composited sample consists of 12 organisms per location, except Station I-3 where 3 organisms were collected. The conchs were collected in October and November (Figure 3) using conch pots. The conch composited sample consists of 12 organisms per location, except Stations A-2, A-3, and E-3 where 11, 3, and 6 organisms were collected.

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

4. Analytical Chemistry

The seafood samples were analyzed for 148 PCB congeners by GC/MS-SIM (gas chromatography/mass spectrometry-selective ion monitoring) based on EPA Methods 680 and 8270D. In previous sampling rounds starting in 2003 to 2016, 136 PCB congeners had been analyzed. The additional twelve PCB congeners did not significantly add to the total concentrations (see Appendix D), thus allowing comparisons with previous site data. The 148 congeners measured included the eighteen NOAA (National Oceanic and Atmospheric Administration) list congeners and the twelve WHO '98 (1998 World Health Organization) list of dioxin-like congeners. Two congeners, BZ #105 and #118, appear on both lists. The NOAA congener list was used by the MA DMF in its analysis of Area III lobsters from 1988 - 1998, while Aroclors had been used previous to this. The NOAA list typically represents approximately 45% of the total PCB in marine tissue (NOAA, 1993).

The congeners quantitated in this effort are listed in the New Bedford Harbor Superfund Site Quality Assurance Project Plan Revision 15 **(**MassDEP, 2020a**).** The WHO '98 congeners were included to enable the evaluation of risks to human health due to the presence of any dioxin-like PCB congeners, if deemed necessary.

Tissue from the collected specimens was filleted, sub-sampled and/or composited as necessary for sample homogenization, extraction and analysis. The first step in the analytical process for the quahog samples was the compositing of twelve individual samples from each location; these were combined to form one composite sample per location, and were homogenized using a tissuemizer. From each group, approximately five grams of wet sample tissue were collected. This sample tissue was then extracted using EPA method 3570 Microscale Solvent Extraction (MSE) techniques (spin extraction with acetone/methylene chloride in a sealed vessel).

The extracts were concentrated. The lipid portion of the extract was removed and separated from the PCB portion, which was cleaned up prior to analysis. Following sample cleanup, extracts were dried and concentrated using the Kuderna-Danish (K-D) method, brought up to final volume and analyzed. Extract cleanup was performed using Alumina Column Cleanup. Gel Permeation Chromatography (GPC), Sulfuric Acid Cleanup, and/or Silica Gel Cleanup are also employed as appropriate, based on the sample extracts and tissue species.

Sample analysis using GC/MS-SIM allowed identification and quantitation of congeners using selected PCB congeners from BZ1 to BZ209. The identification of the specific congeners was accomplished by comparing their mass spectra with the electron impact spectra of the calibration standards. Congener concentrations were determined using mean relative response factors from a multi-level calibration curve. Response factors for congeners were determined relative to internal standard technique. A multi-point curve was used for the individual congeners to demonstrate the linear range of the instrument. Continuing calibrations assured linearity remained for the duration of the analysis. Laboratory SOPs are available in the Quality Assurance Project Plan Revision 15 (MassDEP, 2020a) should further details on chromatographic conditions, quality control criteria, and other elements of the analysis be needed. While lipid content was reported, the wet weight PCB concentrations reported herein are not lipid normalized.

The data validation summary for the laboratory analysis is presented in Appendix B (Wood, 2021).

5. Results and Discussion

As with previous studies of sediments, water column, seafood, and air at the NBH Site, the current data set demonstrates a generally decreasing trend (north to south) of PCB levels in locally caught seafood. In other words, tissue PCB levels decrease proportionally with the distance from the primary source of PCBs to the upper harbor (the Aerovox facility). Figures 4 and 5 graphically summarize the current data, and Tables 1 and 2 tabulates the totals and averages of the congener 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 almost half of the PCB mass in marine tissues. In addition, WHO considers the twelve 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.

Overall, the current data set indicate continued levels of PCBs in NBH area seafood above the 1998 ROD's site-specific target level of 0.02 ppm. All conch samples from Areas II and III locations are above the site-specific target level of 0.02 ppm. All quahog samples from Area II locations are above the site-specific target level of 0.02 ppm. All quahog samples from Area III locations (except location B-3) are below the site-specific target level of 0.02 ppm. There were no conch or quahog samples above the FDA level of 2 ppm.

It should be noted that these PCB levels do not apply to seafood caught by the harbor's commercial fishing fleet (except for quahog and conch collected commercially in Areas 2 and 3) as this seafood is caught significantly further offshore than the three PCB closure areas at the New Bedford Harbor Superfund Site. However, these results do indicate the need to continue the outreach program to inform and educate the local communities and recreational sport fishermen about the fishing bans.

The seafood sampling program has been on-going since 2002, the previous year's reports can be found at the EPA's web site at www.epa.gov/new-bedford-harbor under "Technical Documents".

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.

MADPH, 1979. Massachusetts Department of Public Health Regulations 105 CMR 260.000. 1979

MassDEP, 2020. Seafood Monitoring and Field Sampling Work Plan, New Bedford Harbor Superfund Site, Massachusetts Department of Environmental Protection. January 2020

MassDEP, 2020a. Quality Assurance Project Plan Revision 14, New Bedford Harbor Superfund Site, New Bedford, Massachusetts. Massachusetts Department of Environmental Protection. January 2020.

MADMF, 2021. Seafood Monitoring - Field Sampling Activities for the New Bedford Harbor Superfund Site 2020 Annual Report, Vin Malkoski, Senior Marine Fisheries Biologist, Massachusetts Division of Marine Fisheries, February 19, 2021

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

Wood, 2021. Data Validation Summary, MassDEP, NBH Superfund Site, Seafood Contaminant Survey Monitoring 2020 Sampling, February 2, 2021

FIGURES

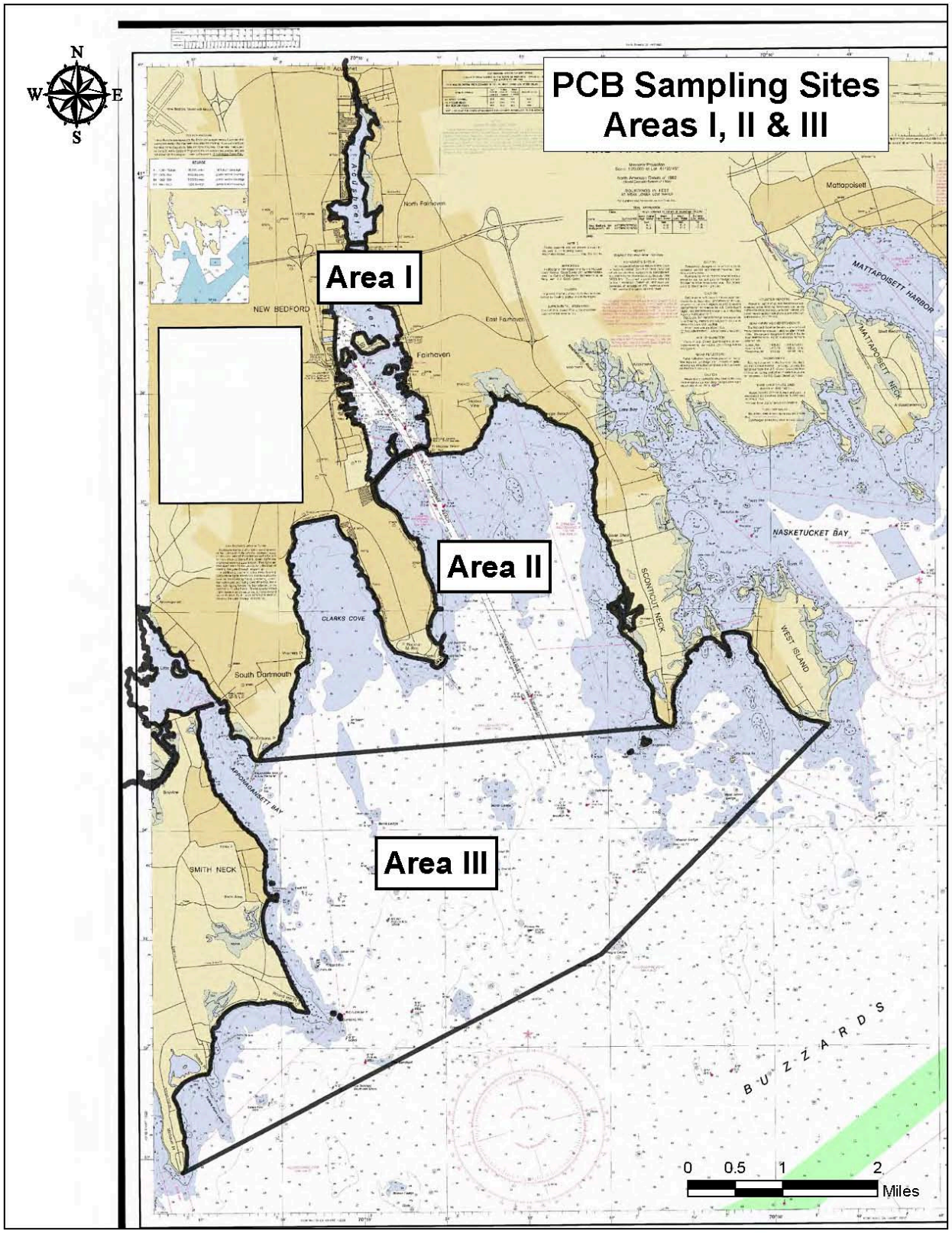

Figure 1 Fish Closure Areas I to III

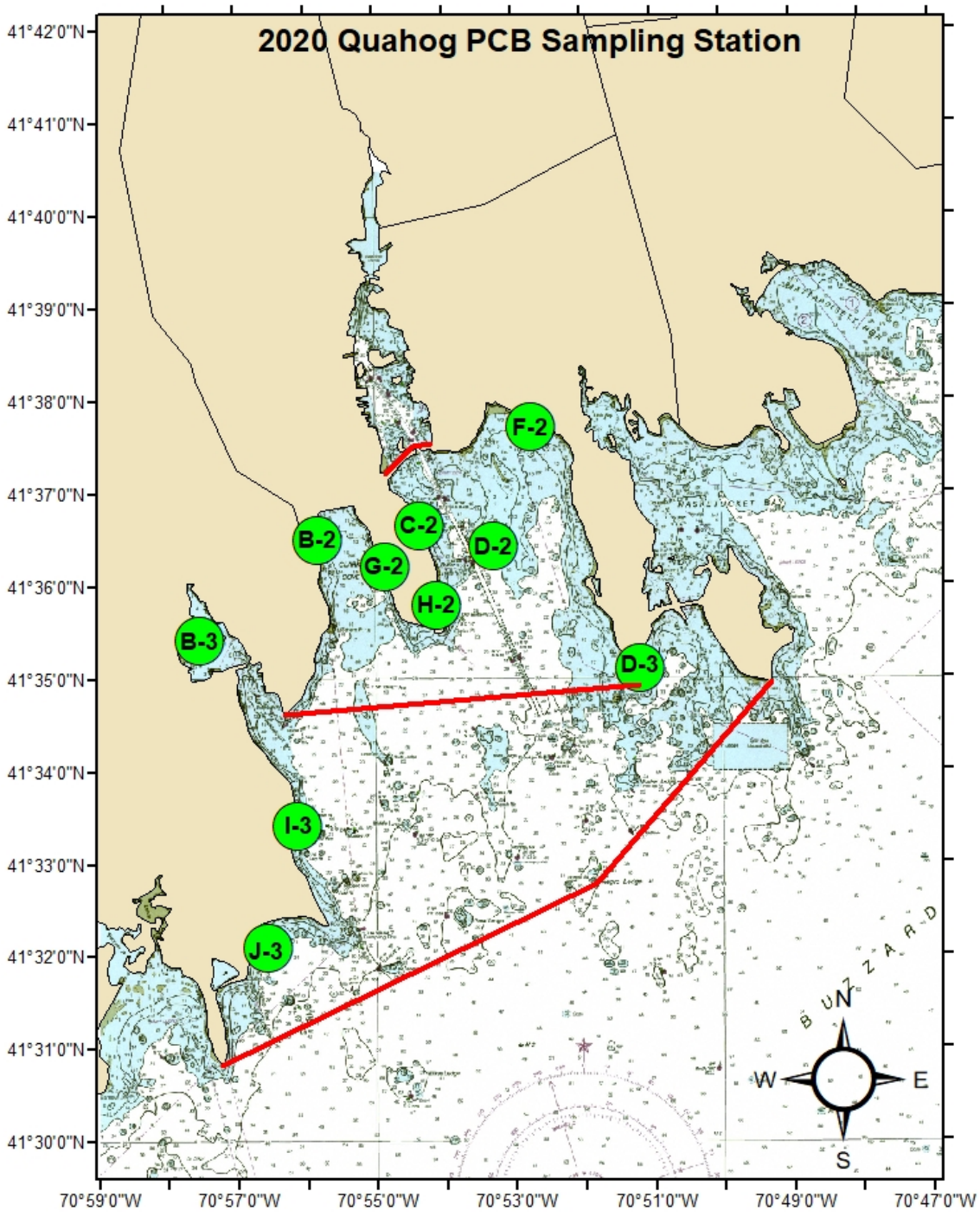

Figure 2 Quahog (Pre-spawn) Sample Locations Areas II and III

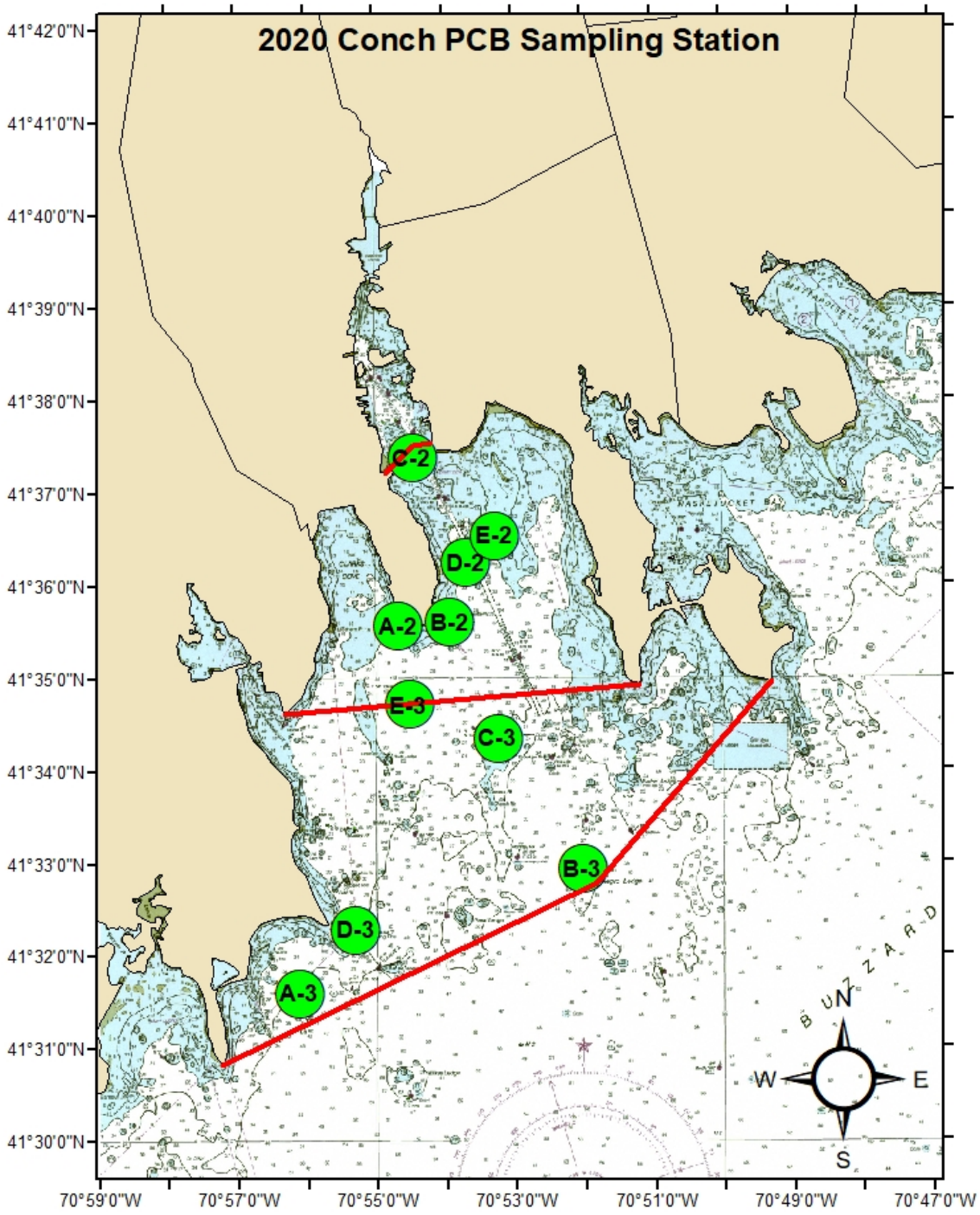

Figure 3 Conch Sample Locations Areas II and III

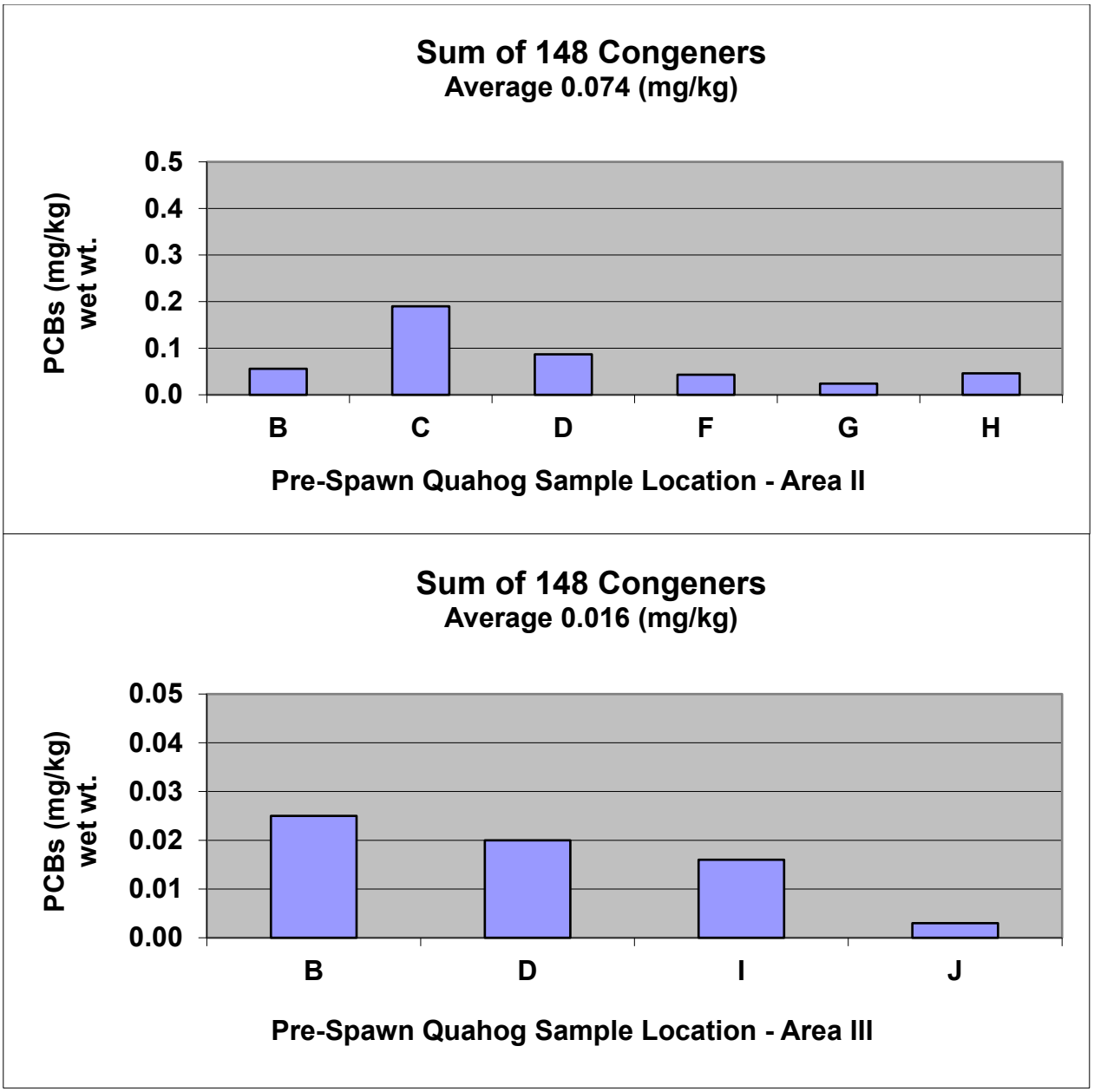

Figure 4 PCBs Concentrations in Pre-Spawn Quahog Areas II and III - 2020

Note: The PCBs concentrations are the detected values as reported on Column 4 of Table 1, and do not included the ½ detection limits.

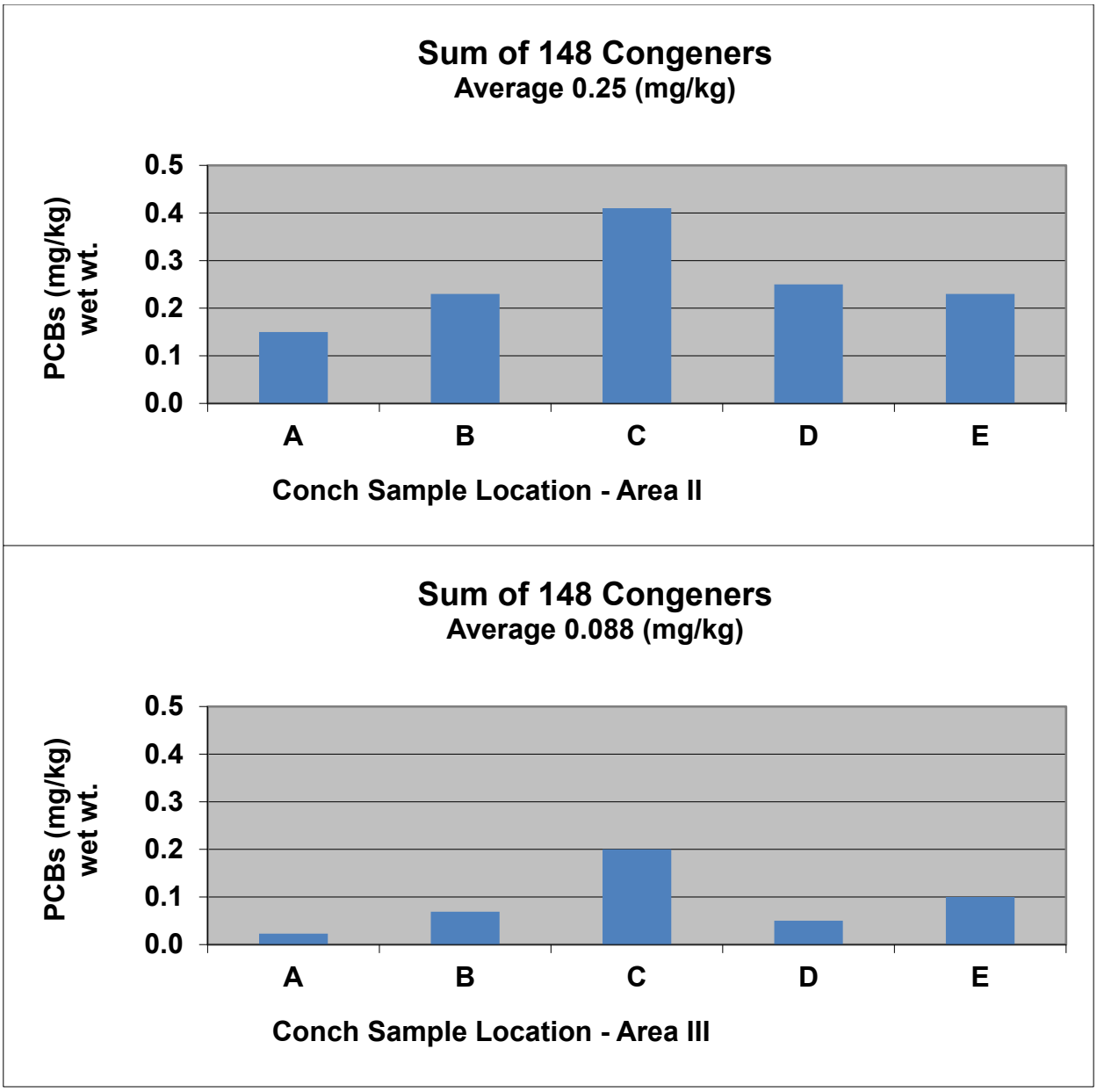

Figure 5 PCBs Concentrations in Conch Areas II and III - 2020

Note: The PCBs concentrations are the detected values as reported on Column 4 of Table 2, and do not included the ½ detection limits.

TABLES

Table 1 Summary of Sample Data for Conch Areas 2 and 3 - 2020

Parameter	Lipids	Total PCB Congeners[1]	Total PCB Congeners Hits[2]	Total NOAA Congeners[3]	Total WHO Congeners[4]	Total WHO+NOAA Congeners[5]
	PERCENT	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Station						
Q2-Station A	0.63	0.16 J3	0.15	0.074 J4	0.017 J3	0.080 J3
Q2-Station B	0.46	0.24 J3	0.23	0.11 J4	0.022 J3	0.11 J3
Q2-Station C	0.52	0.42 J3	0.41	0.19 J4	0.037 J3	0.20 J4
Q2-Station D	0.39	0.26 J3	0.25	0.10 J4	0.018 J3	0.11 J3
Q2-Station E	0.43	0.24 J3	0.23	0.10 J4	0.020 J3	0.11 J3
Average	0.49	0.26	0.25	0.11	0.023	0.12
Q3-Station A	0.44	0.043 J2	0.023	0.014 J3	0.0033 J2	0.017 J2
Q3-Station B	0.75	0.087 J2	0.069	0.037 J3	0.0092 J2	0.042 J3
Q3-Station C	0.80	0.21 J3	0.20	0.12 J4	0.025 J3	0.13 J3
Q3-Station D	0.50	0.067 J2	0.050	0.029 J3	0.0062 J2	0.032 J3
Q3-Station E	0.54	0.12 J2	0.10	0.052 J3	0.012 J3	0.056 J3
Average	0.60	0.11	0.088	0.050	0.011	0.055

Table 2 Summary of Sample Data for Quahog Areas 2 and 3 - 2020

Parameter	Lipids	Total PCB Congeners[1]	Total PCB Congeners Hits[2]	Total NOAA Congeners[3]	Total WHO Congeners[4]	Total WHO+NOAA Congeners[5]
	PERCENT	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
Station						
Q2-Station B	0.23	0.072 J2	0.056	0.024 J3	0.0060 J2	0.026 J3
Q2-Station C	0.23	0.20 J3	0.19	0.066 J4	0.012 J3	0.070 J3
Q2-Station D	0.20	0.099 J2	0.087	0.032 J3	0.0064 J2	0.034 J3
Q2-Station F	0.26	0.061 J2	0.043	0.018 J3	0.0042 J1	0.020 J2
Q2-Station G	0.24	0.043 J2	0.024	0.011 J3	0.0034 J1	0.013 J2
Q2-Station H	0.28	0.062 J2	0.046	0.019 J3	0.0043 J2	0.021 J2
Average	0.24	0.090	0.074	0.028	0.0061	0.031
Q3-Station B	0.28	0.043 J2	0.025	0.012 J3	0.0036 J1	0.014 J2
Q3-Station D	0.29	0.040 J2	0.020	0.0098 J3	0.0032 J1	0.012 J2
Q3-Station I	0.28	0.036 J1	0.016	0.0082 J2	0.0029 J1	0.010 J2
Q3-Station J	0.31	0.031 J1	0.0030	0.0046 J1	0.0027 J1	0.0067 J1
Average	0.29	0.038	0.016	0.0087	0.0031	0.011

Notes for 2020 Report Tables:

[1] = summation of 148 PCB congener results (1/2 sample quantitation limit [SQL] used for non-detected results)
[2] = summation of detected 148 PCB congeners
[3] = summation of 18 NOAA PCB congener results (1/2 SQL used for non-detected results)
[4] = summation of 12 WHO PCB congener results (1/2 SQL used for non-detected results)
[5] = summation of 12 WHO and 18 NOAA PCB congener results (1/2 SQL used for non-detected results)

U = not detected (ND); value represents SQL
J = estimated value
J1 = concentration of detected congeners contributes < 50% of total congener result
J2 = concentration of detected congeners contributes > 50% of total congener result
J3 = concentration of detected congeners contributes > 90% of total congener result
J4 = concentration of detected congeners contributes > 99% of total congener result
mg/kg = milligrams per kilogram (wet weight)

Prepared by: BCG 2/3/2021
Checked by: JAR 2/9/21

Appendices

Appendix A	Laboratory Data
Appendix B	Data Validation Summary, MassDEP, NBH Superfund Site, Seafood Contaminant Survey Monitoring 2020 Sampling, February 2, 2021
Appendix C	Seafood Monitoring - Field Sampling Activities for the NBH Superfund Site 2020 Annual Report, February 19, 2021
Appendix D	PCB Congener Calculation Memo, May 30, 2018

Appendix A

Laboratory Data On-Site

Table 1a Sample Data for Pre-Spawn Conch Area II
Table 1b Sample Data for Pre-Spawn Conch Area III
Table 2a Sample Data for Quahog Area II
Table 2b Sample Data for Quahog Area III

TABLE 1a - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	NBH20-SF-A-2	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-E-2
Sample#		NBH20-SF-A-2	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-E-2
Species		Conch	Conch	Conch	Conch	Conch
Species Type		Tissue	Tissue	Tissue	Tissue	Tissue
Area		2	2	2	2	2
Station		Station A	Station B	Station C	Station D	Station E
Sample Date		10/28/2020	10/26/2020	10/28/2020	10/26/2020	10/28/2020
Lipids	PERCENT	0.63	0.46	0.52	0.39	0.43
Total PCB Congeners[1]	MG/KG	0.16 J3	0.24 J3	0.42 J3	0.26 J3	0.24 J3
Total PCB Congeners Hits[2]	MG/KG	0.15	0.23	0.41	0.25	0.23
Total NOAA Congeners[3]	MG/KG	0.074 J4	0.11 J4	0.19 J4	0.10 J4	0.10 J4
Total WHO Congeners[4]	MG/KG	0.017 J3	0.022 J3	0.037 J3	0.018 J3	0.020 J3
Total NOAA / WHO Combined[5]	MG/KG	0.080 J3	0.11 J3	0.20 J4	0.11 J3	0.11 J3
Cl1-BZ#1	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl1-BZ#3	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl2-BZ#4/#10	MG/KG	0.00068 U	0.00073 U	0.00076 U	0.00070 U	0.00068 U
Cl2-BZ#5	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl2-BZ#6	MG/KG	0.00034 U	0.00036 U	0.00067	0.00032 J	0.00021 J
Cl2-BZ#7	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl2-BZ#8	MG/KG	0.00034 U	0.00036 U	0.00024 J	0.00035 U	0.00034 U
Cl2-BZ#12	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl2-BZ#13	MG/KG	0.00068 U	0.00073 U	0.00076 U	0.00070 U	0.00068 U
Cl2-BZ#15	MG/KG	0.00034 U	0.00036 U	0.00031 J	0.00035 U	0.00034 U
Cl3-BZ#16	MG/KG	0.00034 U	0.00036 U	0.00033 J	0.00018 J	0.00034 U
Cl3-BZ#17	MG/KG	0.00034 U	0.00036 U	0.00056	0.00022 J	0.00034 U
Cl3-BZ#18	MG/KG	0.00043	0.00073	0.0027	0.0013	0.00082
Cl3-BZ#19	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl3-BZ#21/#20	MG/KG	0.00068 U	0.00073 U	0.00061 J	0.00070 U	0.00068 U
Cl3-BZ#22	MG/KG	0.00034 U	0.00023 J	0.00081	0.00039	0.00023 J
Cl3-BZ#24	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl3-BZ#25	MG/KG	0.00034 U	0.00043	0.0016	0.00033 J	0.00032 J
Cl3-BZ#26	MG/KG	0.0010	0.0022	0.0067	0.0033	0.0020
Cl3-BZ#27	MG/KG	0.00034 U	0.00036 U	0.00051	0.00025 J	0.00034 U
Cl3-BZ#28	MG/KG	0.00051	0.00072	0.0042	0.0011	0.0014
Cl3-BZ#29	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl3-BZ#31	MG/KG	0.0014	0.0023	0.0095	0.0039	0.0030
Cl3-BZ#32	MG/KG	0.00034 U	0.00020 J	0.00055	0.00025 J	0.00034 U
Cl3-BZ#33	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl3-BZ#37	MG/KG	0.00034 U	0.00019 J	0.00043	0.00035 U	0.00034 U
Cl4-BZ#40	MG/KG	0.00019 J	0.00024 J	0.00082	0.00053	0.00026 J
Cl4-BZ#41	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#42	MG/KG	0.00044	0.00064	0.0018	0.0012	0.00081
Cl4-BZ#43	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#44	MG/KG	0.0018	0.0029	0.0068	0.0048	0.0029
Cl4-BZ#45	MG/KG	0.00034 U	0.00036 U	0.00021 J	0.00035 U	0.00034 U
Cl4-BZ#47	MG/KG	0.00057	0.00098	0.0032	0.0013	0.0017
Cl4-BZ#48	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#49	MG/KG	0.0048	0.012	0.022	0.014	0.012
Cl4-BZ#50	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#51	MG/KG	0.00034 U	0.00036 U	0.00022 J	0.00035 U	0.00034 U
Cl4-BZ#52	MG/KG	0.0054	0.011	0.022	0.014	0.011
Cl4-BZ#53	MG/KG	0.00034 U	0.00036 U	0.00028 J	0.00035 U	0.00034 U
Cl4-BZ#54	MG/KG	0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#56	MG/KG	0.00033 J	0.00044	0.0012	0.00066	0.00048
Cl4-BZ#60	MG/KG	0.0002 J	0.00042	0.0014	0.00051	0.00041

TABLE 1a - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-A-2	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-E-2
		Species	Conch	Conch	Conch	Conch	Conch
		Species Type	Tissue	Tissue	Tissue	Tissue	Tissue
		Area	2	2	2	2	2
		Station	Station A	Station B	Station C	Station D	Station E
		Sample Date	10/28/2020	10/26/2020	10/28/2020	10/26/2020	10/28/2020
Cl4-BZ#63	MG/KG		0.00026 J	0.00042	0.00082	0.00051	0.00040
Cl4-BZ#66	MG/KG		0.0022	0.0034	0.0079	0.0035	0.0037
Cl4-BZ#68/#64	MG/KG		0.0011	0.0025	0.0054	0.0031	0.0023
Cl4-BZ#70	MG/KG		0.0018	0.0022	0.0055	0.0031	0.0024
Cl4-BZ#71	MG/KG		0.00030 J	0.00067	0.0012	0.00087	0.00054
Cl4-BZ#73/#46	MG/KG		0.00068 U	0.00073 U	0.00076 U	0.00070 U	0.00068 U
Cl4-BZ#74	MG/KG		0.00082	0.0016	0.0042	0.0016	0.0018
Cl4-BZ#76	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#77	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl4-BZ#81	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl5-BZ#82	MG/KG		0.00034 U	0.00024 J	0.00051	0.00040	0.00023 J
Cl5-BZ#83/#125/#112	MG/KG		0.00058 J	0.00085 J	0.0011	0.0012	0.00065 J
Cl5-BZ#85	MG/KG		0.0012	0.0019	0.0031	0.0020	0.0016
Cl5-BZ#87/#111	MG/KG		0.00065 J	0.0012	0.0022	0.0018	0.0014
Cl5-BZ#89/#84	MG/KG		0.00065 J	0.00096	0.0014	0.0012	0.00088
Cl5-BZ#91	MG/KG		0.0015	0.0036	0.0053	0.0043	0.0035
Cl5-BZ#92	MG/KG		0.0032	0.0041	0.0064	0.0052	0.0040
Cl5-BZ#97	MG/KG		0.0019	0.0037	0.0071	0.0054	0.0038
Cl5-BZ#99	MG/KG		0.0070	0.012	0.019	0.010	0.012
Cl5-BZ#100	MG/KG		0.00034 U	0.00039	0.00042	0.00028 J	0.00027 J
Cl5-BZ#101/#90	MG/KG		0.010	0.016	0.027	0.019	0.016
Cl5-BZ#104	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl5-BZ#105	MG/KG		0.0016	0.0026	0.0049	0.0025	0.0023
Cl5-BZ#107/#123	MG/KG		0.0021	0.0023	0.0035	0.0023	0.0022
Cl5-BZ#110	MG/KG		0.0057	0.014	0.021	0.017	0.013
Cl5-BZ#114	MG/KG		0.00077	0.00096	0.0015	0.00075	0.00099
Cl5-BZ#118	MG/KG		0.0091	0.012	0.021	0.0084	0.011
Cl5-BZ#119	MG/KG		0.00062	0.0014	0.0018	0.0010	0.0014
Cl5-BZ#121/#95/#88	MG/KG		0.0020	0.0031	0.0055	0.0043	0.0034
Cl5-BZ#124	MG/KG		0.00031 J	0.00049	0.00072	0.00059	0.00049
Cl5-BZ#126	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl6-BZ#128	MG/KG		0.0026	0.0037	0.0057	0.0036	0.0031
Cl6-BZ#129/#158	MG/KG		0.0012	0.0025	0.0036	0.0023	0.0024
Cl6-BZ#130/#164	MG/KG		0.0017	0.0030	0.0040	0.0035	0.0025
Cl6-BZ#131	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl6-BZ#132	MG/KG		0.0011	0.0022	0.0031	0.0027	0.0022
Cl6-BZ#134	MG/KG		0.00065	0.00078	0.0011	0.00098	0.00077
Cl6-BZ#135	MG/KG		0.0012	0.0014	0.0020	0.0017	0.0014
Cl6-BZ#136	MG/KG		0.00023 J	0.00027 J	0.00054	0.00041	0.00036
Cl6-BZ#137	MG/KG		0.00053	0.0011	0.0016	0.0009	0.0010
Cl6-BZ#138	MG/KG		0.0094	0.012	0.020	0.011	0.012
Cl6-BZ#141	MG/KG		0.00041	0.00078	0.0014	0.0011	0.00092
Cl6-BZ#144	MG/KG		0.00034 U	0.00021 J	0.00035 J	0.00025 J	0.00021 J
Cl6-BZ#146	MG/KG		0.0052	0.0058	0.0083	0.0053	0.0052
Cl6-BZ#147/#149	MG/KG		0.0062	0.012	0.018	0.014	0.012
Cl6-BZ#151	MG/KG		0.0015	0.0016	0.0026	0.0020	0.0018
Cl6-BZ#153	MG/KG		0.024	0.032	0.052	0.026	0.031
Cl6-BZ#154	MG/KG		0.00035	0.00095	0.0012	0.00075	0.00083
Cl6-BZ#155	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U

TABLE 1a - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-A-2	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-E-2
		Species	Conch	Conch	Conch	Conch	Conch
		Species Type	Tissue	Tissue	Tissue	Tissue	Tissue
		Area	2	2	2	2	2
		Station	Station A	Station B	Station C	Station D	Station E
		Sample Date	10/28/2020	10/26/2020	10/28/2020	10/26/2020	10/28/2020
Cl6-BZ#156	MG/KG		0.0013	0.0018	0.0027	0.0016	0.0016
Cl6-BZ#157	MG/KG		0.00045	0.00061	0.00088	0.00057	0.00054
Cl6-BZ#163/#160	MG/KG		0.0062	0.0066	0.0090	0.0067	0.0064
Cl6-BZ#167	MG/KG		0.00095	0.0010	0.0017	0.00085	0.0010
Cl6-BZ#168	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl6-BZ#169	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#170	MG/KG		0.0011	0.0020	0.0024	0.0016	0.0016
Cl7-BZ#171	MG/KG		0.00034 J	0.00052	0.00076	0.00045	0.00037
Cl7-BZ#172	MG/KG		0.00021 J	0.00032 J	0.00047	0.00030 J	0.00032 J
Cl7-BZ#173	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#174	MG/KG		0.00028 J	0.00059	0.00066	0.00065	0.00049
Cl7-BZ#176	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#177	MG/KG		0.00073	0.00056	0.00094	0.00068	0.00070
Cl7-BZ#178	MG/KG		0.00068	0.00058	0.00090	0.00067	0.00070
Cl7-BZ#180	MG/KG		0.0020	0.0028	0.0044	0.0025	0.0028
Cl7-BZ#182/#175	MG/KG		0.00068 U	0.00073 U	0.00076 U	0.00070 U	0.00068 U
Cl7-BZ#183	MG/KG		0.00094	0.0012	0.0020	0.0012	0.0013
Cl7-BZ#184	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#185	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#187	MG/KG		0.0030	0.0039	0.0054	0.0034	0.0037
Cl7-BZ#188	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#189	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#190	MG/KG		0.00034 U	0.00036 U	0.00033 J	0.00035 U	0.00022 J
Cl7-BZ#191	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl7-BZ#193	MG/KG		0.00034 U	0.00020 J	0.00028 J	0.00018 J	0.00026 J
Cl8-BZ#194	MG/KG		0.00026 J	0.00037	0.00047	0.00026 J	0.00041
Cl8-BZ#195	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl8-BZ#196	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00021 J
Cl8-BZ#197	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl8-BZ#199	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl8-BZ#201	MG/KG		0.00036	0.00038	0.00046	0.00040	0.00037
Cl8-BZ#202	MG/KG		0.00019 J	0.00034 J	0.00032 J	0.00026 J	0.00024 J
Cl8-BZ#203	MG/KG		0.00034 U	0.00036 U	0.00022 J	0.00035 U	0.00027 J
Cl8-BZ#204/#200	MG/KG		0.00068 U	0.00073 U	0.00076 U	0.00070 U	0.00068 U
Cl8-BZ#205	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl9-BZ#206	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl9-BZ#207	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl9-BZ#208	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U
Cl10-BZ#209	MG/KG		0.00034 U	0.00036 U	0.00038 U	0.00035 U	0.00034 U

TABLE 1b - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	NBH20-SF-A-3	NBH20-SF-B-3	NBH20-SF-C-3	NBH20-SF-D-3	NBH20-SF-E-3
Sample#		NBH20-SF-A-3	NBH20-SF-B-3	NBH20-SF-C-3	NBH20-SF-D-3	NBH20-SF-E-3
Species		Conch	Conch	Conch	Conch	Conch
Species Type		Tissue	Tissue	Tissue	Tissue	Tissue
Area		3	3	3	3	3
Station		Station A	Station B	Station C	Station D	Station E
Sample Date		11/9/2020	11/6/2020	11/6/2020	10/28/2020	11/9/2020
Lipids	PERCENT	0.44	0.75	0.80	0.50	0.54
Total PCB Congeners[1]	MG/KG	0.043 J2	0.087 J2	0.21 J3	0.067 J2	0.12 J2
Total PCB Congeners Hits[2]	MG/KG	0.023	0.069	0.20	0.050	0.10
Total NOAA Congeners[3]	MG/KG	0.014 J3	0.037 J3	0.12 J4	0.029 J3	0.052 J3
Total WHO Congeners[4]	MG/KG	0.0033 J2	0.0092 J2	0.025 J3	0.0062 J2	0.012 J3
Total NOAA / WHO Combined[5]	MG/KG	0.017 J2	0.042 J3	0.13 J3	0.032 J3	0.056 J3
Cl1-BZ#1	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl1-BZ#3	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl2-BZ#4/#10	MG/KG	0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl2-BZ#5	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl2-BZ#6	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl2-BZ#7	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl2-BZ#8	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl2-BZ#12	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl2-BZ#13	MG/KG	0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl2-BZ#15	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037
Cl3-BZ#16	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00025 J
Cl3-BZ#17	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00033 J
Cl3-BZ#18	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00079
Cl3-BZ#19	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl3-BZ#21/#20	MG/KG	0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl3-BZ#22	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00067
Cl3-BZ#24	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl3-BZ#25	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl3-BZ#26	MG/KG	0.00034 U	0.00037 U	0.00036	0.00035 U	0.00064
Cl3-BZ#27	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl3-BZ#28	MG/KG	0.00034 U	0.00037 U	0.00036	0.00035 U	0.0012
Cl3-BZ#29	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl3-BZ#31	MG/KG	0.00034 U	0.00037 J	0.00073	0.00026 J	0.0014
Cl3-BZ#32	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037
Cl3-BZ#33	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00033 J
Cl3-BZ#37	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00033 J
Cl4-BZ#40	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00026 J
Cl4-BZ#41	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#42	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00042
Cl4-BZ#43	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#44	MG/KG	0.00034 U	0.00032 J	0.00064	0.00035	0.0014
Cl4-BZ#45	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#47	MG/KG	0.00034 U	0.00037 U	0.00049	0.00035 U	0.00039
Cl4-BZ#48	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00036 J
Cl4-BZ#49	MG/KG	0.0004	0.0014	0.0033	0.0013	0.0029
Cl4-BZ#50	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#51	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#52	MG/KG	0.00038	0.0013	0.0029	0.0010	0.0028
Cl4-BZ#53	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00019 J
Cl4-BZ#54	MG/KG	0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#56	MG/KG	0.00034 U	0.00037 U	0.00021 J	0.00035 U	0.00039
Cl4-BZ#60	MG/KG	0.00034 U	0.00037 U	0.00028 J	0.00035 U	0.00025 J

TABLE 1b - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	Sample#	NBH20-SF-A-3	NBH20-SF-B-3	NBH20-SF-C-3	NBH20-SF-D-3	NBH20-SF-E-3
		Species	Conch	Conch	Conch	Conch	Conch
		Species Type	Tissue	Tissue	Tissue	Tissue	Tissue
		Area	3	3	3	3	3
		Station	Station A	Station B	Station C	Station D	Station E
		Sample Date	11/9/2020	11/6/2020	11/6/2020	10/28/2020	11/9/2020
Cl4-BZ#63	MG/KG		0.00034 U	0.00037 U	0.00023 J	0.00035 U	0.00019 J
Cl4-BZ#66	MG/KG		0.00023 J	0.00067	0.0026	0.00090	0.0016
Cl4-BZ#68/#64	MG/KG		0.00068 U	0.00075 U	0.00068 J	0.00036 J	0.00093
Cl4-BZ#70	MG/KG		0.00023 J	0.00058	0.0012	0.00039	0.0014
Cl4-BZ#71	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00040
Cl4-BZ#73/#46	MG/KG		0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl4-BZ#74	MG/KG		0.00034 U	0.00027 J	0.0010	0.00034 J	0.00074
Cl4-BZ#76	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#77	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl4-BZ#81	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl5-BZ#82	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl5-BZ#83/#125/#112	MG/KG		0.0010 U	0.0011 U	0.0011 U	0.0010 U	0.0011 U
Cl5-BZ#85	MG/KG		0.00030 J	0.00049	0.0020	0.00072	0.0011
Cl5-BZ#87/#111	MG/KG		0.00068 U	0.00075 U	0.00064 J	0.00069 U	0.00048 J
Cl5-BZ#89/#84	MG/KG		0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl5-BZ#91	MG/KG		0.00028 J	0.00049	0.00091	0.00048	0.0011
Cl5-BZ#92	MG/KG		0.00042	0.0012	0.0033	0.00053	0.0016
Cl5-BZ#97	MG/KG		0.00058	0.00061	0.0015	0.00068	0.0016
Cl5-BZ#99	MG/KG		0.0011	0.0027	0.011	0.0036	0.0037
Cl5-BZ#100	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl5-BZ#101/#90	MG/KG		0.0020	0.0041	0.0093	0.0025	0.0065
Cl5-BZ#104	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl5-BZ#105	MG/KG		0.00022 J	0.00077	0.0025	0.00065	0.0013
Cl5-BZ#107/#123	MG/KG		0.00041 J	0.0015	0.0028	0.00071	0.0014
Cl5-BZ#110	MG/KG		0.00072	0.0016	0.0035	0.0018	0.0039
Cl5-BZ#114	MG/KG		0.00034 U	0.00047	0.0013	0.00031 J	0.00061
Cl5-BZ#118	MG/KG		0.0010	0.0036	0.013	0.0025	0.0058
Cl5-BZ#119	MG/KG		0.00034 U	0.00022 J	0.00091	0.00045	0.00035 J
Cl5-BZ#121/#95/#88	MG/KG		0.0010 U	0.00057 J	0.0011	0.0010 U	0.0011 J
Cl5-BZ#124	MG/KG		0.00034 U	0.00037 U	0.00034 J	0.00035 U	0.00030 J
Cl5-BZ#126	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl6-BZ#128	MG/KG		0.00067	0.0015	0.0049	0.0013	0.0023
Cl6-BZ#129/#158	MG/KG		0.00068 U	0.00053 J	0.0022	0.00070	0.0011
Cl6-BZ#130/#164	MG/KG		0.00049 J	0.0010	0.0017	0.00058 J	0.0015
Cl6-BZ#131	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl6-BZ#132	MG/KG		0.00034 U	0.00040	0.00088	0.00041	0.00082
Cl6-BZ#134	MG/KG		0.00034 U	0.00034 J	0.00075	0.00035 U	0.00037 J
Cl6-BZ#135	MG/KG		0.00034 U	0.00052	0.00078	0.00024 J	0.00066
Cl6-BZ#136	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl6-BZ#137	MG/KG		0.00019 J	0.00024 J	0.0011	0.00030 J	0.00052
Cl6-BZ#138	MG/KG		0.0023	0.0047	0.017	0.0047	0.0075
Cl6-BZ#141	MG/KG		0.00034 U	0.00030 J	0.00059	0.00035 U	0.00039
Cl6-BZ#144	MG/KG		0.00034 U	0.00037 U	0.00018 J	0.00035 U	0.00037 U
Cl6-BZ#146	MG/KG		0.0011	0.0039	0.0084	0.0018	0.0034
Cl6-BZ#147/#149	MG/KG		0.0015	0.0028	0.0058	0.0022	0.0057
Cl6-BZ#151	MG/KG		0.00023 J	0.00067	0.0019	0.00029 J	0.00075
Cl6-BZ#153	MG/KG		0.0051	0.014	0.049	0.011	0.016
Cl6-BZ#154	MG/KG		0.00034 U	0.00020 J	0.00051	0.00029 J	0.00031 J
Cl6-BZ#155	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U

TABLE 1b - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	Sample#	NBH20-SF-A-3	NBH20-SF-B-3	NBH20-SF-C-3	NBH20-SF-D-3	NBH20-SF-E-3
		Species	Conch	Conch	Conch	Conch	Conch
		Species Type	Tissue	Tissue	Tissue	Tissue	Tissue
		Area	3	3	3	3	3
		Station	Station A	Station B	Station C	Station D	Station E
		Sample Date	11/9/2020	11/6/2020	11/6/2020	10/28/2020	11/9/2020
Cl6-BZ#156	MG/KG		0.00028 J	0.00091	0.0022	0.00060	0.00078
Cl6-BZ#157	MG/KG		0.00034 U	0.00042	0.00090	0.00021 J	0.00036 J
Cl6-BZ#163/#160	MG/KG		0.0011	0.0045	0.010	0.0017	0.0034
Cl6-BZ#167	MG/KG		0.00024 J	0.00068	0.0016	0.00036	0.00061
Cl6-BZ#168	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl6-BZ#169	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#170	MG/KG		0.00026 J	0.00078	0.0027	0.00083	0.00079
Cl7-BZ#171	MG/KG		0.00034 U	0.00037 U	0.00067	0.00035 U	0.00037 U
Cl7-BZ#172	MG/KG		0.00034 U	0.00032 J	0.00046	0.00035 U	0.00037 U
Cl7-BZ#173	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#174	MG/KG		0.00034 U	0.00025 J	0.00028 J	0.00035 U	0.00037 U
Cl7-BZ#176	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#177	MG/KG		0.00019 J	0.00062	0.0011	0.00024 J	0.00041
Cl7-BZ#178	MG/KG		0.00034 U	0.00056	0.0010	0.00024 J	0.00039
Cl7-BZ#180	MG/KG		0.00047	0.0016	0.0038	0.00084	0.0011
Cl7-BZ#182/#175	MG/KG		0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl7-BZ#183	MG/KG		0.00024 J	0.00056	0.0017	0.00048	0.00067
Cl7-BZ#184	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#185	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#187	MG/KG		0.00067	0.0027	0.0054	0.0012	0.0020
Cl7-BZ#188	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#189	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#190	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#191	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl7-BZ#193	MG/KG		0.00034 U	0.00037 U	0.00036	0.00035 U	0.00037 U
Cl8-BZ#194	MG/KG		0.00034 U	0.00032 J	0.00059	0.00035 U	0.00037 U
Cl8-BZ#195	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl8-BZ#196	MG/KG		0.00034 U	0.00037 U	0.00032 J	0.00035 U	0.00037 U
Cl8-BZ#197	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl8-BZ#199	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl8-BZ#201	MG/KG		0.00034 U	0.00042	0.00063	0.00035 U	0.00024 J
Cl8-BZ#202	MG/KG		0.00034 U	0.00033 J	0.00041	0.00035 U	0.00037 U
Cl8-BZ#203	MG/KG		0.00034 U	0.00037 U	0.00023 J	0.00035 U	0.00037 U
Cl8-BZ#204/#200	MG/KG		0.00068 U	0.00075 U	0.00071 U	0.00069 U	0.00074 U
Cl8-BZ#205	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl9-BZ#206	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl9-BZ#207	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl9-BZ#208	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U
Cl10-BZ#209	MG/KG		0.00034 U	0.00037 U	0.00036 U	0.00035 U	0.00037 U

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-F-2
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	2	2	2	2
		Station	Station B	Station C	Station D	Station F
		Sample Date	5/15/2020	5/6/2020	5/6/2020	5/6/2020
Lipids	PERCENT		0.23	0.23	0.20	0.26
Total PCB Congeners[1]	MG/KG		0.072 J2	0.20 J3	0.099 J2	0.061 J2
Total PCB Congeners Hits[2]	MG/KG		0.056	0.19	0.087	0.043
Total NOAA Congeners[3]	MG/KG		0.024 J3	0.066 J4	0.032 J3	0.018 J3
Total WHO Congeners[4]	MG/KG		0.0060 J2	0.012 J3	0.0064 J2	0.0042 J1
Total NOAA / WHO Combined[5]	MG/KG		0.026 J3	0.070 J3	0.034 J3	0.020 J2
Cl1-BZ#1	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl1-BZ#3	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl2-BZ#4/#10	MG/KG		0.00078 U	0.00049 J	0.00069 U	0.00077 U
Cl2-BZ#5	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl2-BZ#6	MG/KG		0.00039 U	0.00062	0.00025 J	0.00039 U
Cl2-BZ#7	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl2-BZ#8	MG/KG		0.00039 U	0.00088	0.00020 J	0.00039 U
Cl2-BZ#12	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl2-BZ#13	MG/KG		0.00078 U	0.00075 U	0.00069 U	0.00077 U
Cl2-BZ#15	MG/KG		0.00039 U	0.00062	0.00020 J	0.00039 U
Cl3-BZ#16	MG/KG		0.00039 U	0.00035 J	0.00034 U	0.00039 U
Cl3-BZ#17	MG/KG		0.00039 U	0.0015	0.00054	0.00022 J
Cl3-BZ#18	MG/KG		0.00034 J	0.0032	0.0011	0.00067
Cl3-BZ#19	MG/KG		0.00039 U	0.00033 J	0.00034 U	0.00039 U
Cl3-BZ#21/#20	MG/KG		0.00078 U	0.00043 J	0.00069 U	0.00077 U
Cl3-BZ#22	MG/KG		0.00039 U	0.0012	0.00045	0.00024 J
Cl3-BZ#24	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl3-BZ#25	MG/KG		0.00037 J	0.0029	0.0012	0.00065
Cl3-BZ#26	MG/KG		0.00069	0.0054	0.0025	0.0014
Cl3-BZ#27	MG/KG		0.00039 U	0.00060	0.00024 J	0.00039 U
Cl3-BZ#28	MG/KG		0.0011	0.0074	0.0031	0.0016
Cl3-BZ#29	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl3-BZ#31	MG/KG		0.0011 J	0.0070	0.0029	0.0017
Cl3-BZ#32	MG/KG		0.00039 U	0.0013	0.00040	0.00022 J
Cl3-BZ#33	MG/KG		0.00039 U	0.00061	0.00034 U	0.00039 U
Cl3-BZ#37	MG/KG		0.00039 U	0.00067	0.00027 J	0.00039 U
Cl4-BZ#40	MG/KG		0.00039 U	0.00054	0.00031 J	0.00039 U
Cl4-BZ#41	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl4-BZ#42	MG/KG		0.00033 J	0.0016	0.00080	0.00036 J
Cl4-BZ#43	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl4-BZ#44	MG/KG		0.00074	0.0037	0.0017	0.00086
Cl4-BZ#45	MG/KG		0.00039 U	0.00047	0.00034 U	0.00039 U
Cl4-BZ#47	MG/KG		0.0010	0.0054	0.0023	0.0011

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-F-2
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	2	2	2	2
		Station	Station B	Station C	Station D	Station F
		Sample Date	5/15/2020	5/6/2020	5/6/2020	5/6/2020
Cl4-BZ#48	MG/KG		0.00039 U	0.00059	0.00026 J	0.00039 U
Cl4-BZ#49	MG/KG		0.0024	0.014	0.0061	0.0033
Cl4-BZ#50	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl4-BZ#51	MG/KG		0.00039 U	0.00045	0.00020 J	0.00039 U
Cl4-BZ#52	MG/KG		0.0030	0.016	0.0072	0.0040
Cl4-BZ#53	MG/KG		0.00019 J	0.0016	0.00055	0.00029 J
Cl4-BZ#54	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl4-BZ#56	MG/KG		0.00034 J	0.0014	0.00055	0.00028 J
Cl4-BZ#60	MG/KG		0.00039 U	0.00086	0.00027 J	0.00039 U
Cl4-BZ#63	MG/KG		0.00039 U	0.00050	0.00024 J	0.00039 U
Cl4-BZ#66	MG/KG		0.0013	0.0042	0.0018	0.00095
Cl4-BZ#68/#64	MG/KG		0.00062 J	0.0034	0.0015	0.00074 J
Cl4-BZ#70	MG/KG		0.0010	0.0032	0.0014	0.00074
Cl4-BZ#71	MG/KG		0.00041	0.0022	0.00090	0.00048
Cl4-BZ#73/#46	MG/KG		0.00078 U	0.00075 U	0.00069 U	0.00077 U
Cl4-BZ#74	MG/KG		0.00062	0.0026	0.0011	0.00056
Cl4-BZ#76	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl4-BZ#77	MG/KG		0.00039 U	0.00031 J	0.00034 U	0.00039 U
Cl4-BZ#81	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl5-BZ#82	MG/KG		0.00039 U	0.00044	0.00025 J	0.00039 U
Cl5-BZ#83/#125/#112	MG/KG		0.0012 U	0.0011 U	0.0010 U	0.0012 U
Cl5-BZ#85	MG/KG		0.00055	0.0011	0.00054	0.00025 J
Cl5-BZ#87/#111	MG/KG		0.00040 J	0.0013	0.00066 J	0.00077 U
Cl5-BZ#89/#84	MG/KG		0.00056 J	0.0018	0.00085	0.00039 J
Cl5-BZ#91	MG/KG		0.00075	0.0024	0.0012	0.00061
Cl5-BZ#92	MG/KG		0.0011	0.0028	0.0016	0.00084
Cl5-BZ#97	MG/KG		0.00081	0.0023	0.0012	0.00061
Cl5-BZ#99	MG/KG		0.0034	0.0078	0.0042	0.0023
Cl5-BZ#100	MG/KG		0.00039 U	0.00046	0.00020 J	0.00039 U
Cl5-BZ#101/#90	MG/KG		0.0040	0.0097	0.0052	0.0029
Cl5-BZ#104	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl5-BZ#105	MG/KG		0.00061	0.0015	0.00064	0.00036 J
Cl5-BZ#107/#123	MG/KG		0.00055 J	0.00097	0.00063 J	0.00077 U
Cl5-BZ#110	MG/KG		0.0034	0.0097	0.0051	0.0025
Cl5-BZ#114	MG/KG		0.00039 U	0.00031 J	0.00034 U	0.00039 U
Cl5-BZ#118	MG/KG		0.0029	0.0065	0.0034	0.0018
Cl5-BZ#119	MG/KG		0.00039	0.00099	0.00054	0.00035 J
Cl5-BZ#121/#95/#88	MG/KG		0.0017	0.0049	0.0025	0.0013
Cl5-BZ#124	MG/KG		0.00039 U	0.00029 J	0.00034 U	0.00039 U
Cl5-BZ#126	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-F-2
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	2	2	2	2
		Station	Station B	Station C	Station D	Station F
		Sample Date	5/15/2020	5/6/2020	5/6/2020	5/6/2020
Cl6-BZ#128	MG/KG		0.00049	0.00082	0.00039	0.00025 J
Cl6-BZ#129/#158	MG/KG		0.00078 U	0.00063 J	0.00069 U	0.00077 U
Cl6-BZ#130/#164	MG/KG		0.00063 J	0.0011	0.00068 J	0.00077 U
Cl6-BZ#131	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl6-BZ#132	MG/KG		0.00081	0.0016	0.00077	0.00046
Cl6-BZ#134	MG/KG		0.00039 U	0.00037 J	0.00022 J	0.00039 U
Cl6-BZ#135	MG/KG		0.00062	0.0011	0.00065	0.00030 J
Cl6-BZ#136	MG/KG		0.00030 J	0.00069	0.00038	0.00023 J
Cl6-BZ#137	MG/KG		0.00030 J	0.00045	0.00025 J	0.00039 U
Cl6-BZ#138	MG/KG		0.0015 J	0.0021	0.0011	0.00057
Cl6-BZ#141	MG/KG		0.00030 J	0.00048	0.00020 J	0.00039 U
Cl6-BZ#144	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl6-BZ#146	MG/KG		0.0013	0.0018	0.0012	0.00060
Cl6-BZ#147/#149	MG/KG		0.0023	0.0059	0.0034	0.0016
Cl6-BZ#151	MG/KG		0.00034 J	0.00059	0.00040	0.00039 U
Cl6-BZ#153	MG/KG		0.0046 J	0.0070	0.0043	0.0022
Cl6-BZ#154	MG/KG		0.00039 U	0.00041	0.00026 J	0.00039 U
Cl6-BZ#155	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl6-BZ#156	MG/KG		0.00035 J	0.00073	0.00037	0.00039 U
Cl6-BZ#157	MG/KG		0.00039 U	0.00023 J	0.00034 U	0.00039 U
Cl6-BZ#163/#160	MG/KG		0.0017	0.0030	0.0016	0.0010
Cl6-BZ#167	MG/KG		0.00039 U	0.00037 J	0.00021 J	0.00039 U
Cl6-BZ#168	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl6-BZ#169	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#170	MG/KG		0.00041	0.00050	0.00030 J	0.00039 U
Cl7-BZ#171	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#172	MG/KG		0.00039 U	0.00019 J	0.00034 U	0.00039 U
Cl7-BZ#173	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#174	MG/KG		0.00022 J	0.00043	0.00024 J	0.00039 U
Cl7-BZ#176	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#177	MG/KG		0.00041	0.00044	0.00029 J	0.00024 J
Cl7-BZ#178	MG/KG		0.00039 U	0.00021 J	0.00034 U	0.00039 U
Cl7-BZ#180	MG/KG		0.00078 J	0.0010	0.00052	0.00027 J
Cl7-BZ#182/#175	MG/KG		0.00078 U	0.00075 U	0.00069 U	0.00077 U
Cl7-BZ#183	MG/KG		0.00027 J	0.00032 J	0.00017 J	0.00039 U
Cl7-BZ#184	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#185	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#187	MG/KG		0.0010 J	0.0010	0.00068	0.00049
Cl7-BZ#188	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#189	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-B-2	NBH20-SF-C-2	NBH20-SF-D-2	NBH20-SF-F-2
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	2	2	2	2
		Station	Station B	Station C	Station D	Station F
		Sample Date	5/15/2020	5/6/2020	5/6/2020	5/6/2020
Cl7-BZ#190	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#191	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl7-BZ#193	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#194	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#195	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#196	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#197	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#199	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#201	MG/KG		0.00021 J	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#202	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#203	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl8-BZ#204/#200	MG/KG		0.00078 U	0.00075 U	0.00069 U	0.00077 U
Cl8-BZ#205	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl9-BZ#206	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl9-BZ#207	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl9-BZ#208	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U
Cl10-BZ#209	MG/KG		0.00039 U	0.00037 U	0.00034 U	0.00039 U

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-G-2	NBH20-SF-H-2
		Species	Quahog	Quahog
		Species Type	Tissue	Tissue
		Area	2	2
		Station	Station G	Station H
		Sample Date	5/15/2020	5/6/2020
Lipids	PERCENT		0.24	0.28
Total PCB Congeners[1]	MG/KG		0.043 J2	0.062 J2
Total PCB Congeners Hits[2]	MG/KG		0.024	0.046
Total NOAA Congeners[3]	MG/KG		0.011 J3	0.019 J3
Total WHO Congeners[4]	MG/KG		0.0034 J1	0.0043 J2
Total NOAA / WHO Combined[5]	MG/KG		0.013 J2	0.021 J2
Cl1-BZ#1	MG/KG		0.00035 U	0.00035 U
Cl1-BZ#3	MG/KG		0.00035 U	0.00035 U
Cl2-BZ#4/#10	MG/KG		0.00069 U	0.00069 U
Cl2-BZ#5	MG/KG		0.00035 U	0.00035 U
Cl2-BZ#6	MG/KG		0.00035 U	0.00035 U
Cl2-BZ#7	MG/KG		0.00035 U	0.00035 U
Cl2-BZ#8	MG/KG		0.00035 U	0.00035 U
Cl2-BZ#12	MG/KG		0.00035 U	0.00035 U
Cl2-BZ#13	MG/KG		0.00069 U	0.00069 U
Cl2-BZ#15	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#16	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#17	MG/KG		0.00035 U	0.00024 J
Cl3-BZ#18	MG/KG		0.00035 U	0.00057
Cl3-BZ#19	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#21/#20	MG/KG		0.00069 U	0.00069 U
Cl3-BZ#22	MG/KG		0.00035 U	0.00024 J
Cl3-BZ#24	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#25	MG/KG		0.00019 J	0.00061
Cl3-BZ#26	MG/KG		0.00040	0.0013
Cl3-BZ#27	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#28	MG/KG		0.00048	0.0015
Cl3-BZ#29	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#31	MG/KG		0.00051	0.0015
Cl3-BZ#32	MG/KG		0.00035 U	0.00022 J
Cl3-BZ#33	MG/KG		0.00035 U	0.00035 U
Cl3-BZ#37	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#40	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#41	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#42	MG/KG		0.00018 J	0.00041
Cl4-BZ#43	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#44	MG/KG		0.00041	0.00092
Cl4-BZ#45	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#47	MG/KG		0.00055	0.0011

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-G-2	NBH20-SF-H-2
		Species	Quahog	Quahog
		Species Type	Tissue	Tissue
		Area	2	2
		Station	Station G	Station H
		Sample Date	5/15/2020	5/6/2020
Cl4-BZ#48	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#49	MG/KG		0.0013	0.0032
Cl4-BZ#50	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#51	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#52	MG/KG		0.0016	0.0039
Cl4-BZ#53	MG/KG		0.00035 U	0.00029 J
Cl4-BZ#54	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#56	MG/KG		0.00020 J	0.00037
Cl4-BZ#60	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#63	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#66	MG/KG		0.00062	0.00093
Cl4-BZ#68/#64	MG/KG		0.00069 U	0.00076
Cl4-BZ#70	MG/KG		0.00047	0.00072
Cl4-BZ#71	MG/KG		0.00020 J	0.00050
Cl4-BZ#73/#46	MG/KG		0.00069 U	0.00069 U
Cl4-BZ#74	MG/KG		0.00027 J	0.00057
Cl4-BZ#76	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#77	MG/KG		0.00035 U	0.00035 U
Cl4-BZ#81	MG/KG		0.00035 U	0.00035 U
Cl5-BZ#82	MG/KG		0.00035 U	0.00035 U
Cl5-BZ#83/#125/#112	MG/KG		0.0010 U	0.0010 U
Cl5-BZ#85	MG/KG		0.00031 J	0.00030 J
Cl5-BZ#87/#111	MG/KG		0.00069 U	0.00041 J
Cl5-BZ#89/#84	MG/KG		0.00069 U	0.00046 J
Cl5-BZ#91	MG/KG		0.00039	0.00067
Cl5-BZ#92	MG/KG		0.00067	0.00082
Cl5-BZ#97	MG/KG		0.00054	0.00074
Cl5-BZ#99	MG/KG		0.0016	0.0024
Cl5-BZ#100	MG/KG		0.00035 U	0.00035 U
Cl5-BZ#101/#90	MG/KG		0.0022	0.0034
Cl5-BZ#104	MG/KG		0.00035 U	0.00035 U
Cl5-BZ#105	MG/KG		0.00026 J	0.00038
Cl5-BZ#107/#123	MG/KG		0.00069 U	0.00069 U
Cl5-BZ#110	MG/KG		0.0017	0.0032
Cl5-BZ#114	MG/KG		0.00035 U	0.00035 U
Cl5-BZ#118	MG/KG		0.0012	0.0020
Cl5-BZ#119	MG/KG		0.00035 U	0.00031 J
Cl5-BZ#121/#95/#88	MG/KG		0.00085 J	0.0014
Cl5-BZ#124	MG/KG		0.00035 U	0.00035 U
Cl5-BZ#126	MG/KG		0.00035 U	0.00035 U

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-G-2	NBH20-SF-H-2
		Species	Quahog	Quahog
		Species Type	Tissue	Tissue
		Area	2	2
		Station	Station G	Station H
		Sample Date	5/15/2020	5/6/2020
Cl6-BZ#128	MG/KG		0.00027 J	0.00025 J
Cl6-BZ#129/#158	MG/KG		0.00069 U	0.00069 U
Cl6-BZ#130/#164	MG/KG		0.00069 U	0.00038 J
Cl6-BZ#131	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#132	MG/KG		0.00035 J	0.00055
Cl6-BZ#134	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#135	MG/KG		0.00030 J	0.00043
Cl6-BZ#136	MG/KG		0.00017 J	0.00024 J
Cl6-BZ#137	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#138	MG/KG		0.00052	0.00072
Cl6-BZ#141	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#144	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#146	MG/KG		0.00054	0.00061
Cl6-BZ#147/#149	MG/KG		0.0013	0.0018
Cl6-BZ#151	MG/KG		0.00020 J	0.00035 U
Cl6-BZ#153	MG/KG		0.0019	0.0025
Cl6-BZ#154	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#155	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#156	MG/KG		0.00019 J	0.00022 J
Cl6-BZ#157	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#163/#160	MG/KG		0.00073	0.0011
Cl6-BZ#167	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#168	MG/KG		0.00035 U	0.00035 U
Cl6-BZ#169	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#170	MG/KG		0.00035 U	0.00018 J
Cl7-BZ#171	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#172	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#173	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#174	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#176	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#177	MG/KG		0.00035 U	0.00020 J
Cl7-BZ#178	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#180	MG/KG		0.00027 J	0.00042
Cl7-BZ#182/#175	MG/KG		0.00069 U	0.00069 U
Cl7-BZ#183	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#184	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#185	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#187	MG/KG		0.00036	0.00040
Cl7-BZ#188	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#189	MG/KG		0.00035 U	0.00035 U

TABLE 2a - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 2 - 2020

Parameter	Units	Sample#	NBH20-SF-G-2	NBH20-SF-H-2
		Species	Quahog	Quahog
		Species Type	Tissue	Tissue
		Area	2	2
		Station	Station G	Station H
		Sample Date	5/15/2020	5/6/2020
Cl7-BZ#190	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#191	MG/KG		0.00035 U	0.00035 U
Cl7-BZ#193	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#194	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#195	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#196	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#197	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#199	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#201	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#202	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#203	MG/KG		0.00035 U	0.00035 U
Cl8-BZ#204/#200	MG/KG		0.00069 U	0.00069 U
Cl8-BZ#205	MG/KG		0.00035 U	0.00035 U
Cl9-BZ#206	MG/KG		0.00035 U	0.00035 U
Cl9-BZ#207	MG/KG		0.00035 U	0.00035 U
Cl9-BZ#208	MG/KG		0.00035 U	0.00035 U
Cl10-BZ#209	MG/KG		0.00035 U	0.00035 U

TABLE 2b - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	Sample#	NBH20-SF-B-3	NBH20-SF-D-3	NBH20-SF-I-3	NBH20-SF-J-3
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	3	3	3	3
		Station	Station B	Station D	Station I	Station J
		Sample Date	5/6/2020	5/15/2020	5/6/2020	5/6/2020
Lipids	PERCENT		0.28	0.29	0.28	0.31
Total PCB Congeners[1]	MG/KG		0.043 J2	0.040 J2	0.036 J1	0.031 J1
Total PCB Congeners Hits[2]	MG/KG		0.025	0.020	0.016	0.0030
Total NOAA Congeners[3]	MG/KG		0.012 J3	0.0098 J3	0.0082 J2	0.0046 J1
Total WHO Congeners[4]	MG/KG		0.0036 J1	0.0032 J1	0.0029 J1	0.0027 J1
Total NOAA / WHO Combined[5]	MG/KG		0.014 J2	0.012 J2	0.010 J2	0.0067 J1
Cl1-BZ#1	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl1-BZ#3	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl2-BZ#4/#10	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl2-BZ#5	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl2-BZ#6	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl2-BZ#7	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl2-BZ#8	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl2-BZ#12	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl2-BZ#13	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl2-BZ#15	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#16	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#17	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#18	MG/KG		0.00020 J	0.00021 J	0.00034 U	0.00040 U
Cl3-BZ#19	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#21/#20	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl3-BZ#22	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#24	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#25	MG/KG		0.00021 J	0.00024 J	0.00034 U	0.00040 U
Cl3-BZ#26	MG/KG		0.00038	0.00052	0.00024 J	0.00040 U
Cl3-BZ#27	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#28	MG/KG		0.00055	0.00057	0.00032 J	0.00040 U
Cl3-BZ#29	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#31	MG/KG		0.00051	0.00062	0.00028 J	0.00040 U
Cl3-BZ#32	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#33	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl3-BZ#37	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#40	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#41	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#42	MG/KG		0.00023 J	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#43	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#44	MG/KG		0.00041	0.00037	0.00026 J	0.00040 U
Cl4-BZ#45	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#47	MG/KG		0.00052	0.00047	0.00033 J	0.00040 U

TABLE 2b - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	Sample#	NBH20-SF-B-3	NBH20-SF-D-3	NBH20-SF-I-3	NBH20-SF-J-3
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	3	3	3	3
		Station	Station B	Station D	Station I	Station J
		Sample Date	5/6/2020	5/15/2020	5/6/2020	5/6/2020
Cl4-BZ#48	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#49	MG/KG		0.0012	0.0014	0.00081	0.00037 J
Cl4-BZ#50	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#51	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#52	MG/KG		0.0015	0.0016	0.0010	0.00042
Cl4-BZ#53	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#54	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#56	MG/KG		0.00018 J	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#60	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#63	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#66	MG/KG		0.00070	0.00045	0.00040	0.00040 U
Cl4-BZ#68/#64	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl4-BZ#70	MG/KG		0.00048	0.00039	0.00026 J	0.00040 U
Cl4-BZ#71	MG/KG		0.00024 J	0.00025 J	0.00034 U	0.00040 U
Cl4-BZ#73/#46	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl4-BZ#74	MG/KG		0.00032 J	0.00021 J	0.00019 J	0.00040 U
Cl4-BZ#76	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#77	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl4-BZ#81	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#82	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#83/#125/#112	MG/KG		0.0010 U	0.0011 U	0.0010 U	0.0012 U
Cl5-BZ#85	MG/KG		0.00025 J	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#87/#111	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl5-BZ#89/#84	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl5-BZ#91	MG/KG		0.00041	0.00034 J	0.00024 J	0.00040 U
Cl5-BZ#92	MG/KG		0.00067	0.00049	0.00045	0.00040 U
Cl5-BZ#97	MG/KG		0.00053	0.00040	0.00029 J	0.00040 U
Cl5-BZ#99	MG/KG		0.0017	0.0013	0.0011	0.00041
Cl5-BZ#100	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#101/#90	MG/KG		0.0021	0.0018	0.0014	0.00050 J
Cl5-BZ#104	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#105	MG/KG		0.00033 J	0.00022 J	0.00034 U	0.00040 U
Cl5-BZ#107/#123	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl5-BZ#110	MG/KG		0.0017	0.0012	0.0014	0.00040
Cl5-BZ#114	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#118	MG/KG		0.0014	0.0011	0.00089	0.00030 J
Cl5-BZ#119	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#121/#95/#88	MG/KG		0.00082 J	0.00068 J	0.0010 U	0.0012 U
Cl5-BZ#124	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl5-BZ#126	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U

TABLE 2b - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	Sample#	NBH20-SF-B-3	NBH20-SF-D-3	NBH20-SF-I-3	NBH20-SF-J-3
		Species	Quahog	Quahog	Quahog	Quahog
		Species Type	Tissue	Tissue	Tissue	Tissue
		Area	3	3	3	3
		Station	Station B	Station D	Station I	Station J
		Sample Date	5/6/2020	5/15/2020	5/6/2020	5/6/2020
Cl6-BZ#128	MG/KG		0.00025 J	0.00024 J	0.00020 J	0.00040 U
Cl6-BZ#129/#158	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl6-BZ#130/#164	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl6-BZ#131	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#132	MG/KG		0.00052	0.00033 J	0.00036	0.00040 U
Cl6-BZ#134	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#135	MG/KG		0.00028 J	0.00022 J	0.00024 J	0.00040 U
Cl6-BZ#136	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#137	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#138	MG/KG		0.00069	0.00046	0.00046	0.00040 U
Cl6-BZ#141	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#144	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#146	MG/KG		0.00057	0.00051	0.00050	0.00040 U
Cl6-BZ#147/#149	MG/KG		0.0012	0.0010	0.00078	0.00079 U
Cl6-BZ#151	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#153	MG/KG		0.0020	0.0015	0.0015	0.00056
Cl6-BZ#154	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#155	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#156	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#157	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#163/#160	MG/KG		0.00079	0.00063 J	0.00089	0.00079 U
Cl6-BZ#167	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#168	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl6-BZ#169	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#170	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#171	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#172	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#173	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#174	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#176	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#177	MG/KG		0.00026 J	0.00035 U	0.00024 J	0.00040 U
Cl7-BZ#178	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#180	MG/KG		0.00031 J	0.00018 J	0.00029 J	0.00040 U
Cl7-BZ#182/#175	MG/KG		0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl7-BZ#183	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#184	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#185	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#187	MG/KG		0.00043	0.00029 J	0.00029 J	0.00040 U
Cl7-BZ#188	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#189	MG/KG		0.00034 U	0.00035 U	0.00034 U	0.00040 U

TABLE 2b - SUMMARY OF SAMPLE DATA FOR QUAHOG (MG/KG WET WEIGHT) AREA 3 - 2020

Parameter	Units	Sample# NBH20-SF-B-3 Species Quahog Species Type Tissue Area 3 Station Station B Sample Date 5/6/2020	Sample# NBH20-SF-D-3 Species Quahog Species Type Tissue Area 3 Station Station D Sample Date 5/15/2020	Sample# NBH20-SF-I-3 Species Quahog Species Type Tissue Area 3 Station Station I Sample Date 5/6/2020	Sample# NBH20-SF-J-3 Species Quahog Species Type Tissue Area 3 Station Station J Sample Date 5/6/2020
Cl7-BZ#190	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#191	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl7-BZ#193	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#194	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#195	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#196	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#197	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#199	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#201	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#202	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#203	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl8-BZ#204/#200	MG/KG	0.00068 U	0.00070 U	0.00068 U	0.00079 U
Cl8-BZ#205	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl9-BZ#206	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl9-BZ#207	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl9-BZ#208	MG/KG	0.00034 U	0.00035 U	0.00034 U	0.00040 U
Cl10-BZ#209	MG/KG	0.00017 J	0.00035 U	0.00034 U	0.00040 U

Notes for 2020 Appendix Tables:

[1] = summation of 148 PCB congener results (1/2 sample quantitation limit [SQL] used for non-detected results)
[2] = summation of detected 148 PCB congeners
[3] = summation of 18 NOAA PCB congener results (1/2 SQL used for non-detected results)
[4] = summation of 12 WHO PCB congener results (1/2 SQL used for non-detected results)
[5] = summation of 12 WHO and 18 NOAA PCB congener results (1/2 SQL used for non-detected results)

U = not detected (ND); value represents SQL
J = estimated value
J1 = concentration of detected congeners contributes < 50% of total congener result
J2 = concentration of detected congeners contributes > 50% of total congener result
J3 = concentration of detected congeners contributes > 90% of total congener result
J4 = concentration of detected congeners contributes > 99% of total congener result
mg/kg = milligrams per kilogram (wet weight)

Prepared by: BCG 2/4/2021
Checked by: JAR 2/9/21

Appendix B

Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Seafood Contaminant Survey Monitoring
2020 Sampling
February 2, 2021

Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

INTRODUCTION

Tissue samples were collected as part of the New Bedford Harbor Superfund Site Seafood Contaminant Survey Monitoring. Samples were collected by the Massachusetts Department of Marine Fisheries (MADMF). Samples were submitted to Alpha Analytical Laboratory located in Mansfield, Massachusetts, for processing and analysis. Tissue samples were analyzed for percent lipids and polychlorinated biphenyls (PCBs) by gas chromatography/mass spectrometry (GC/MS) Selected Ion Monitoring (SIM).

The following table outlines the associated Sample Delivery Group (SDG), species, sample collection date, and sample collection location for the samples included in this report:

SDG	Species	Sample Date	Sample Location
L2035985	Quahogs (pre-spawn)	May 2020	New Bedford Harbor
L2052658	Conch	October and November 2020	New Bedford Harbor

The data packages were validated using U.S. Environmental Protection Agency (USEPA) Region I EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses (USEPA, 1998), Region I Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses (USEPA, 2004), Alpha Analytical Laboratory Standard Operating Procedure (SOP) 2162 (Alpha, 2017), and the Massachusetts Department of Environmental Protection (MADEP) Quality Assurance Project Plan (QAPP), Seafood Contaminant Survey, New Bedford Harbor Superfund Site, Revision 13.0 (MADEP, 2017). As specified in the QAPP, Tier I+ data validation is performed on 95 percent of the samples, and Tier II data validation is performed on 5 percent of the samples. For the 2020 sampling events, Tier II validation was performed on the following Quahog samples:

<u>Quahogs</u>
NBH20-SF-B-2
NBH20-SF-C-2
NBH20-SF-D-2
NBH20-SF-F-2
NBH20-SF-G-2
NBH20-SF-H-2
NBH20-SF-B-3
NBH20-SF-D-3
NBH20-SF-I-3
NBH20-SF-J-3

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

* Collection and Preservation
* Holding Times
* Data Completeness
* Initial Calibration (for Tier I+ only if problems noted in case narrative)

* Continuing Calibration (for Tier I+ only if problems noted in case narrative)
* Blanks
* Surrogate Standards
* Standard Reference Material (SRM)
* Laboratory Control Sample/Laboratory Control Sample Duplicate (LCS/LCSD)
* Matrix Spike/Matrix Spike Duplicates (MS/MSD)
  Laboratory Duplicates
* Internal Standards (for Tier I+ only if problems noted in case narrative)
* Instrument Tune (for Tier I+ only if problems noted in case narrative)
* Target Compound Quantitation (for Tier I+ only if problems noted in case narrative)
* Miscellaneous

* - all criteria were met for this parameter

For Tier II data validation, the above checks were completed along with evaluations of initial calibrations, continuing calibrations, instrument tuning, and internal standards using summary forms provided in the data package.

DATA VALIDATION SUMMARY

In general, laboratory performance is considered acceptable and all results are usable. The following qualifying statements have been applied to the 2020 data.

Laboratory Duplicates

PCB (L2035985) – The laboratory duplicate associated with quahog sample NBH20-SF-B-2 had RPDs greater than the control limit of 30 for the following congeners:

- BZ 31 (31)
- BZ 153 (35)
- BZ 138 (48)
- BZ 187 (58)
- BZ 180 (61)

Detections for these congeners in quahog sample NBH20-SF-B-2 were qualified estimated (J).

Reference:

USEPA, 1998. “Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, Parts I and II,” Quality Assurance Unit Staff; Office of Environmental Measurement and Evaluation; December 1996.

USEPA, 2004. “Region I, Laboratory Data Validation Functional Guidelines for Evaluating Organics Analyses;” Hazardous Site Evaluation Division; Draft, February 2004.

Alpha Analytical, Inc., 2017. “Determination of PCB Homologs and 209 Individual Congeners by GC/MS-SIM,” Alpha Analytical, Inc.; November 2017.

MADEP, 2017. "Quality Assurance Project Plan, Seafood Contaminant Survey, New Bedford Harbor Superfund Site, Revision 13.0", Massachusetts Department of Environmental Protection; November 2017.

Data Validator: Julie Ricardi

Signature: _____ Date: November 4, 2020

Reviewed by: Chris Ricardi, NRCC-EAC

Signature: _____ Date: November 10, 2020

Data Validator: Madison Dinsmore

Signature: _____ Date: February 2, 2021

Reviewed by: Julie Ricardi

Signature: _____ Date: February 2, 2021

Table 1 - Sample Summary -- Quahogs
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

							Analysis Method	8270D-SIM/680(M)	LIPIDS
							Method Class	PCB_w_Congeners	LIPIDS
SDG	**Comments**	**Location**	**Field Sample ID**	**Sample Date**	**Media**	**Lab Sample ID**	**QC Code**	Param_Count	Param_Count
L2035985	Quahogs	Q2-Station	NBH20-SF-B-2	5/15/2020	TIS	L2035985-01	FS	130	1
L2035985	Quahogs	Q2-Station	NBH20-SF-C-2	5/6/2020	TIS	L2035985-02	FS	130	1
L2035985	Quahogs	Q2-Station	NBH20-SF-D-2	5/6/2020	TIS	L2035985-03	FS	130	1
L2035985	Quahogs	Q2-Station	NBH20-SF-F-2	5/6/2020	TIS	L2035985-04	FS	130	1
L2035985	Quahogs	Q2-Station	NBH20-SF-G-2	5/15/2020	TIS	L2035985-05	FS	130	1
L2035985	Quahogs	Q2-Station	NBH20-SF-H-2	5/6/2020	TIS	L2035985-06	FS	130	1
L2035985	Quahogs	Q3-Station	NBH20-SF-B-3	5/6/2020	TIS	L2035985-07	FS	130	1
L2035985	Quahogs	Q3-Station	NBH20-SF-D-3	5/15/2020	TIS	L2035985-08	FS	130	1
L2035985	Quahogs	Q3-Station	NBH20-SF-I-3	5/6/2020	TIS	L2035985-09	FS	130	1
L2035985	Quahogs	Q3-Station	NBH20-SF-J-3	5/6/2020	TIS	L2035985-10	FS	130	1

NOTES:
TIS = tissue
FS = field sample
Param_Count - indicates the number of results reported. For PCB_w_Congeners, Param_Count of 130 includes 114 individual congeners plus 16 sets of 2-3 coeluting congeners for a total of 136 project-specific congeners and 12 additional coeluting congeners.

Table 1 - Sample Summary - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

							Analysis Method	8270D-SIM/680(M)	LIPIDS
							Method Class	PCB_w_Congeners	LIPIDS
SDG	**Comment**	**Location**	**Field Sample ID**	**Field Sample Date**	**Media**	**Lab Sample ID**	**QC Code**	Param_Count	Param_Count
L2052658	Conch	Q2-Station A	NBH20-SF-A-2	10/28/2020	TIS	L2052658-01	FS	130	1
L2052658	Conch	Q2-Station B	NBH20-SF-B-2	10/26/2020	TIS	L2052658-02	FS	130	1
L2052658	Conch	Q2-Station C	NBH20-SF-C-2	10/28/2020	TIS	L2052658-03	FS	130	1
L2052658	Conch	Q2-Station D	NBH20-SF-D-2	10/26/2020	TIS	L2052658-04	FS	130	1
L2052658	Conch	Q2-Station E	NBH20-SF-E-2	10/28/2020	TIS	L2052658-05	FS	130	1
L2052658	Conch	Q3-Station A	NBH20-SF-A-3	11/9/2020	TIS	L2052658-06	FS	130	1
L2052658	Conch	Q3-Station B	NBH20-SF-B-3	11/6/2020	TIS	L2052658-07	FS	130	1
L2052658	Conch	Q3-Station C	NBH20-SF-C-3	11/6/2020	TIS	L2052658-08	FS	130	1
L2052658	Conch	Q3-Station D	NBH20-SF-D-3	10/28/2020	TIS	L2052658-09	FS	130	1
L2052658	Conch	Q3-Station E	NBH20-SF-E-3	11/9/2020	TIS	L2052658-10	FS	130	1

NOTES:
TIS = tissue
FS = field sample
Param_Count - indicates the number of results reported. For PCB_w_Congeners, Param_Count of 130 includes 114 individual congeners plus 16 sets of 2-3 coeluting congeners for a total of 136 project-specific congeners and 12 additional coeluting congeners.

Created By: WCG 1/14/21
Checked By: MAD 2/1/21

Table 2 - Summary of Analytical Results - Quahogs
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2		NBH20-SF-F-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.775	U	0.748	U	0.687	U	0.769	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.388	U	0.621		0.195	J	0.385	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.775	U	0.485	J	0.687	U	0.769	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.388	U	0.622		0.252	J	0.385	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.388	U	0.876		0.203	J	0.385	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.388	U	0.351	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.388	U	1.5		0.535		0.215	J
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.338	J	3.18		1.09		0.668	
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.388	U	0.33	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.775	U	0.432	J	0.687	U	0.769	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.388	U	1.15		0.449		0.24	J
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.371	J	2.87		1.18		0.65	
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.691		5.43		2.46		1.38	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.388	U	0.602		0.242	J	0.385	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	1.14		7.44		3.09		1.61	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U

Table 2 - Summary of Analytical Results - Quahogs
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2		NBH20-SF-F-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	1.05	J	7.03		2.92		1.68	
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.388	U	1.26		0.401		0.218	J
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.388	U	0.606		0.344	U	0.385	U
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.388	U	0.669		0.269	J	0.385	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.388	U	0.536		0.313	J	0.385	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.326	J	1.59		0.804		0.355	J
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.743		3.68		1.74		0.864	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.388	U	0.466		0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	1.03		5.37		2.27		1.14	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.388	U	0.585		0.256	J	0.385	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	2.4		13.5		6.1		3.27	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.388	U	0.445		0.203	J	0.385	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	3.01		16.2		7.18		3.95	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.194	J	1.59		0.547		0.289	J
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.343	J	1.39		0.553		0.277	J
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.388	U	0.858		0.271	J	0.385	U
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.388	U	0.499		0.235	J	0.385	U
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	1.33		4.19		1.81		0.948	

Table 2 - Summary of Analytical Results - Quahogs
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2		NBH20-SF-F-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	0.618	J	3.39		1.46		0.741	J
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	0.966		3.16		1.36		0.742	
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.409		2.21		0.902		0.478	
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.775	U	0.748	U	0.687	U	0.769	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.624		2.57		1.07		0.562	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.388	U	0.311	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.388	U	0.463		0.204	J	0.385	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	3.95		9.69		5.15		2.85	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.613		1.47		0.64		0.357	J
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.548	J	0.967		0.625	J	0.769	U
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	3.35		9.72		5.1		2.47	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.388	U	0.312	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	2.93		6.52		3.37		1.76	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.393		0.991		0.542		0.348	J
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	1.71		4.92		2.48		1.32	
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.388	U	0.286	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.388	U	0.437		0.249	J	0.385	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.16	U	1.12	U	1.03	U	1.15	U

Table 2 - Summary of Analytical Results - Quahogs
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2		NBH20-SF-F-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	0.551		1.08		0.544		0.249	J
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.396	J	1.32		0.657	J	0.769	U
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.564	J	1.8		0.849		0.392	J
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.745		2.44		1.22		0.612	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	1.14		2.77		1.55		0.838	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	0.812		2.3		1.15		0.614	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	3.38		7.79		4.2		2.27	
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	0.492		0.822		0.394		0.246	J
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.775	U	0.632	J	0.687	U	0.769	U
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.631	J	1.08		0.676	J	0.769	U
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.807		1.55		0.769		0.464	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.388	U	0.366	J	0.222	J	0.385	U
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.616		1.11		0.653		0.302	J
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.304	J	0.69		0.375		0.233	J
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.296	J	0.446		0.245	J	0.385	U
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	1.54	J	2.11		1.05		0.574	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.298	J	0.476		0.196	J	0.385	U
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	1.32		1.82		1.21		0.602	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	2.28		5.89		3.36		1.56	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.337	J	0.593		0.398		0.385	U

Table 2 - Summary of Analytical Results - Quahogs
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Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2		NBH20-SF-F-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	4.6	J	7.03		4.28		2.23	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.388	U	0.406		0.262	J	0.385	U
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	0.354	J	0.727		0.368		0.385	U
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.388	U	0.234	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	1.68		2.97		1.63		1.04	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.388	U	0.369	J	0.212	J	0.385	U
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.413		0.503		0.301	J	0.385	U
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.388	U	0.191	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.216	J	0.434		0.237	J	0.385	U
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.413		0.437		0.289	J	0.237	J
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.388	U	0.211	J	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	0.777	J	1.04		0.518		0.265	J
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.775	U	0.748	U	0.687	U	0.769	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.267	J	0.318	J	0.172	J	0.385	U
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U

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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2		NBH20-SF-F-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	1.01	J	1.02		0.68		0.486	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.208	J	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.775	U	0.748	U	0.687	U	0.769	U
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.388	U	0.374	U	0.344	U	0.385	U
LIPIDS	Lipids	PERCENT	0.228		0.234		0.199		0.257	

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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station G		Q2-Station H		Q3-Station B		Q3-Station D	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/15/2020	
		Sample ID	NBH20-SF-G-2		NBH20-SF-H-2		NBH20-SF-B-3		NBH20-SF-D-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.346	U	0.243	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.346	U	0.57		0.201	J	0.208	J
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.346	U	0.235	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.188	J	0.609		0.205	J	0.238	J
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.401		1.25		0.383		0.519	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.479		1.48		0.552		0.569	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U

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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station G		Q2-Station H		Q3-Station B		Q3-Station D	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/15/2020	
		Sample ID	NBH20-SF-G-2		NBH20-SF-H-2		NBH20-SF-B-3		NBH20-SF-D-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	0.505		1.5		0.511		0.619	
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.346	U	0.215	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.179	J	0.406		0.23	J	0.351	U
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.414		0.92		0.408		0.365	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.548		1.12		0.517		0.467	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	1.28		3.22		1.19		1.4	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	1.6		3.85		1.5		1.57	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.346	U	0.292	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.195	J	0.37		0.179	J	0.351	U
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	0.619		0.93		0.697		0.447	

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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station G		Q2-Station H		Q3-Station B		Q3-Station D	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/15/2020	
		Sample ID	NBH20-SF-G-2		NBH20-SF-H-2		NBH20-SF-B-3		NBH20-SF-D-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	0.692	U	0.756		0.684	U	0.703	U
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	0.47		0.715		0.478		0.388	
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.202	J	0.501		0.239	J	0.245	J
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.266	J	0.573		0.323	J	0.213	J
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	2.19		3.35		2.11		1.77	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.255	J	0.381		0.33	J	0.216	J
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	1.69		3.22		1.7		1.22	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	1.18		1.98		1.41		1.07	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.346	U	0.314	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	0.852	J	1.38		0.824	J	0.676	J
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.04	U	1.03	U	1.02	U	1.05	U

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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station G		Q2-Station H		Q3-Station B		Q3-Station D	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/15/2020	
		Sample ID	NBH20-SF-G-2		NBH20-SF-H-2		NBH20-SF-B-3		NBH20-SF-D-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	0.308	J	0.299	J	0.254	J	0.351	U
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.692	U	0.414	J	0.684	U	0.703	U
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.692	U	0.46	J	0.684	U	0.703	U
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.39		0.666		0.405		0.342	J
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	0.668		0.816		0.668		0.489	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	0.54		0.741		0.534		0.398	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	1.64		2.35		1.69		1.26	
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	0.267	J	0.254	J	0.254	J	0.238	J
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.692	U	0.379	J	0.684	U	0.703	U
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.345	J	0.554		0.519		0.327	J
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.304	J	0.432		0.284	J	0.223	J
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.173	J	0.238	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	0.517		0.715		0.691		0.46	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	0.538		0.614		0.572		0.514	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	1.25		1.83		1.19		1.03	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.202	J	0.345	U	0.342	U	0.351	U

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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station G		Q2-Station H		Q3-Station B		Q3-Station D	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/15/2020	
		Sample ID	NBH20-SF-G-2		NBH20-SF-H-2		NBH20-SF-B-3		NBH20-SF-D-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	1.88		2.49		2		1.53	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	0.185	J	0.219	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	0.725		1.08		0.787		0.633	J
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.346	U	0.181	J	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.346	U	0.203	J	0.26	J	0.351	U
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	0.27	J	0.418		0.307	J	0.176	J
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U

Table 2 - Summary of Analytical Results - Quahogs
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Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
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		SDG	L2035985		L2035985		L2035985		L2035985	
		Location	Q2-Station G		Q2-Station H		Q3-Station B		Q3-Station D	
		Sample Date	5/15/2020		5/6/2020		5/6/2020		5/15/2020	
		Sample ID	NBH20-SF-G-2		NBH20-SF-H-2		NBH20-SF-B-3		NBH20-SF-D-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	0.356		0.399		0.429		0.289	J
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.692	U	0.69	U	0.684	U	0.703	U
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.346	U	0.345	U	0.342	U	0.351	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.346	U	0.345	U	0.173	J	0.351	U
LIPIDS	Lipids	PERCENT	0.235		0.276		0.281		0.291	

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		SDG	L2035985		L2035985	
		Location	Q3-Station I		Q3-Station J	
		Sample Date	5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-I-3		NBH20-SF-J-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.238	J	0.396	U
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.321	J	0.396	U
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.338	U	0.396	U

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		SDG	L2035985		L2035985	
		Location	Q3-Station I		Q3-Station J	
		Sample Date	5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-I-3		NBH20-SF-J-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	0.28	J	0.396	U
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.259	J	0.396	U
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.334	J	0.396	U
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	0.812		0.366	J
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	1.02		0.421	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	0.397		0.396	U

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		SDG	L2035985		L2035985	
		Location	Q3-Station I		Q3-Station J	
		Sample Date	5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-I-3		NBH20-SF-J-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	0.264	J	0.396	U
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.193	J	0.396	U
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	1.4		0.504	J
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	1.42		0.4	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	0.885		0.302	J
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	1.02	U	1.19	U
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.02	U	1.19	U

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		SDG	L2035985		L2035985	
		Location	Q3-Station I		Q3-Station J	
		Sample Date	5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-I-3		NBH20-SF-J-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.242	J	0.396	U
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	0.445		0.396	U
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	0.294	J	0.396	U
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	1.11		0.413	
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	0.204	J	0.396	U
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.359		0.396	U
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.244	J	0.396	U
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	0.455		0.396	U
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	0.497		0.396	U
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	0.78		0.792	U
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.338	U	0.396	U

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		SDG	L2035985		L2035985	
		Location	Q3-Station I		Q3-Station J	
		Sample Date	5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-I-3		NBH20-SF-J-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	1.51		0.555	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	0.893		0.792	U
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.235	J	0.396	U
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	0.286	J	0.396	U
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.338	U	0.396	U

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		SDG	L2035985		L2035985	
		Location	Q3-Station I		Q3-Station J	
		Sample Date	5/6/2020		5/6/2020	
		Sample ID	NBH20-SF-I-3		NBH20-SF-J-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	0.287	J	0.396	U
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.677	U	0.792	U
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.338	U	0.396	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.338	U	0.396	U
LIPIDS	Lipids	PERCENT	0.28		0.308	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D	
		Sample Date	10/28/2020		10/26/2020		10/28/2020		10/26/2020	
		Sample ID	NBH20-SF-A-2		NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.681	U	0.725	U	0.76	U	0.698	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.341	U	0.362	U	0.311	J	0.349	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.681	U	0.725	U	0.76	U	0.698	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.341	U	0.362	U	0.666		0.316	J
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.341	U	0.362	U	0.242	J	0.349	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.341	U	0.362	U	0.33	J	0.182	J
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.341	U	0.362	U	0.563		0.215	J
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.434		0.729		2.68		1.25	
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.681	U	0.725	U	0.61	J	0.698	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.341	U	0.234	J	0.806		0.385	
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.341	U	0.431		1.59		0.33	J
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	1		2.2		6.66		3.26	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.341	U	0.362	U	0.51		0.252	J
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.512		0.721		4.19		1.06	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	1.41		2.33		9.48		3.92	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D	
		Sample Date	10/28/2020		10/26/2020		10/28/2020		10/26/2020	
		Sample ID	NBH20-SF-A-2		NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.341	U	0.196	J	0.55		0.245	J
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.341	U	0.187	J	0.43		0.349	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.191	J	0.238	J	0.818		0.525	
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.439		0.638		1.84		1.17	
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	1.82		2.91		6.76		4.8	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.341	U	0.362	U	0.214	J	0.349	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.574		0.978		3.18		1.25	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	4.81		11.6		21.6		13.6	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.341	U	0.362	U	0.219	J	0.349	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	5.41		11.4		21.6		13.5	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.341	U	0.362	U	0.28	J	0.349	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.33	J	0.439		1.15		0.661	
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.198	J	0.418		1.36		0.512	
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.264	J	0.422		0.82		0.512	
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	2.16		3.38		7.94		3.48	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	1.06		2.53		5.4		3.14	
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	1.78		2.16		5.48		3.12	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D	
		Sample Date	10/28/2020		10/26/2020		10/28/2020		10/26/2020	
		Sample ID	NBH20-SF-A-2		NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.304	J	0.671		1.24		0.871	
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.681	U	0.725	U	0.76	U	0.698	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.819		1.6		4.18		1.57	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.341	U	0.389		0.415		0.278	J
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	9.75		16		26.6		18.6	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	1.61		2.56		4.85		2.5	
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	2.05		2.27		3.45		2.26	
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	5.67		14.1		20.7		16.9	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.771		0.957		1.52		0.748	
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	9.08		12.3		21.2		8.42	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.619		1.41		1.77		1.03	
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	2		3.08		5.54		4.33	
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.312	J	0.488		0.719		0.594	
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.341	U	0.238	J	0.509		0.395	
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	0.578	J	0.854	J	1.14		1.16	
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	1.22		1.93		3.05		2.01	
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.652	J	1.22		2.22		1.84	
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.646	J	0.962		1.36		1.19	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D	
		Sample Date	10/28/2020		10/26/2020		10/28/2020		10/26/2020	
		Sample ID	NBH20-SF-A-2		NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	1.51		3.6		5.26		4.31	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	3.17		4.13		6.4		5.17	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	1.88		3.66		7.06		5.41	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	6.98		12.3		19.3		10.4	
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	2.62		3.73		5.66		3.62	
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	1.16		2.54		3.63		2.34	
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	1.69		3.02		4.02		3.48	
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	1.09		2.17		3.07		2.74	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.645		0.784		1.07		0.976	
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	1.18		1.43		2.04		1.66	
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.233	J	0.27	J	0.535		0.41	
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.527		1.09		1.55		0.897	
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	9.38		12.2		19.5		11	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.409		0.781		1.35		1.06	
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.341	U	0.205	J	0.35	J	0.248	J
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	5.2		5.83		8.25		5.29	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	6.2		12.4		18.2		13.7	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	1.47		1.59		2.56		2.04	
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	24		31.7		51.8		26.1	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.352		0.952		1.22		0.746	
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	1.28		1.8		2.74		1.6	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D	
		Sample Date	10/28/2020		10/26/2020		10/28/2020		10/26/2020	
		Sample ID	NBH20-SF-A-2		NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.45		0.613		0.88		0.573	
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	6.22		6.61		8.98		6.67	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.946		1.02		1.72		0.845	
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	1.1		1.97		2.39		1.64	
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.337	J	0.518		0.76		0.449	
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.213	J	0.317	J	0.47		0.297	J
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.278	J	0.587		0.663		0.653	
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.732		0.558		0.944		0.678	
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.676		0.578		0.896		0.669	
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	2.04		2.78		4.42		2.5	
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.681	U	0.725	U	0.76	U	0.698	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.938		1.21		1.97		1.18	
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	3.04		3.85		5.36		3.44	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.341	U	0.362	U	0.325	J	0.349	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D	
		Sample Date	10/28/2020		10/26/2020		10/28/2020		10/26/2020	
		Sample ID	NBH20-SF-A-2		NBH20-SF-B-2		NBH20-SF-C-2		NBH20-SF-D-2	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.341	U	0.201	J	0.277	J	0.182	J
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.263	J	0.367		0.469		0.257	J
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.355		0.38		0.462		0.403	
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.188	J	0.338	J	0.322	J	0.258	J
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.341	U	0.362	U	0.223	J	0.349	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.681	U	0.725	U	0.76	U	0.698	U
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.341	U	0.362	U	0.38	U	0.349	U
LIPIDS	Lipids	PERCENT	0.627		0.464		0.517		0.391	

NOTES:

ug/kg = microgram per kilogram

U = not detected at the reported detection limit

J = estimated value

FS = field sample

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station E		Q3-Station A		Q3-Station B		Q3-Station C	
		Sample Date	10/28/2020		11/9/2020		11/6/2020		11/6/2020	
		Sample ID	NBH20-SF-E-2		NBH20-SF-A-3		NBH20-SF-B-3		NBH20-SF-C-3	
		QC Code	FS		FS		FS		FS	
Method	Parameter	Unit	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.676	U	0.682	U	0.749	U	0.714	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.676	U	0.682	U	0.749	U	0.714	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.208	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.815		0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.676	U	0.682	U	0.749	U	0.714	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.234	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.324	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	1.97		0.341	U	0.374	U	0.358	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	1.36		0.341	U	0.374	U	0.36	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	2.98		0.341	U	0.367	J	0.734	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station E		Q3-Station A		Q3-Station B		Q3-Station C	
		Sample Date	10/28/2020		11/9/2020		11/6/2020		11/6/2020	
		Sample ID	NBH20-SF-E-2		NBH20-SF-A-3		NBH20-SF-B-3		NBH20-SF-C-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.262	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.814		0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	2.87		0.341	U	0.318	J	0.636	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	1.7		0.341	U	0.374	U	0.487	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	12.2		0.386		1.36		3.29	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	11.4		0.375		1.3		2.9	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.475		0.341	U	0.374	U	0.209	J
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.41		0.341	U	0.374	U	0.278	J
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.397		0.341	U	0.374	U	0.233	J
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	3.73		0.228	J	0.674		2.64	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	2.33		0.682	U	0.749	U	0.684	J
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	2.4		0.227	J	0.584		1.17	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station E		Q3-Station A		Q3-Station B		Q3-Station C	
		Sample Date	10/28/2020		11/9/2020		11/6/2020		11/6/2020	
		Sample ID	NBH20-SF-E-2		NBH20-SF-A-3		NBH20-SF-B-3		NBH20-SF-C-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.541		0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.676	U	0.682	U	0.749	U	0.714	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	1.76		0.341	U	0.268	J	1.04	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.274	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	16.3		1.95		4.14		9.34	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	2.32		0.222	J	0.772		2.53	
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	2.21		0.412	J	1.46		2.78	
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	12.7		0.724		1.62		3.48	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.988		0.341	U	0.467		1.29	
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	10.8		1		3.56		13.3	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	1.39		0.341	U	0.224	J	0.906	
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	3.44		1.02	U	0.566	J	1.07	
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.489		0.341	U	0.374	U	0.336	J
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.231	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	0.646	J	1.02	U	1.12	U	1.07	U
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	1.64		0.295	J	0.488		2.02	
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	1.4		0.682	U	0.749	U	0.638	J
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.876		0.682	U	0.749	U	0.714	U

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station E		Q3-Station A		Q3-Station B		Q3-Station C	
		Sample Date	10/28/2020		11/9/2020		11/6/2020		11/6/2020	
		Sample ID	NBH20-SF-E-2		NBH20-SF-A-3		NBH20-SF-B-3		NBH20-SF-C-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	3.47		0.282	J	0.494		0.911	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	4.01		0.423		1.23		3.32	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	3.79		0.584		0.61		1.47	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	11.8		1.12		2.73		11.2	
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	3.14		0.67		1.45		4.86	
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	2.36		0.682	U	0.525	J	2.22	
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	2.48		0.489	J	0.998		1.72	
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	2.15		0.341	U	0.396		0.877	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.768		0.341	U	0.335	J	0.754	
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	1.35		0.341	U	0.519		0.779	
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.361		0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	1.02		0.192	J	0.235	J	1.1	
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	11.8		2.32		4.74		17.4	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.922		0.341	U	0.3	J	0.59	
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.213	J	0.341	U	0.374	U	0.178	J
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	5.17		1.09		3.92		8.41	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	12.4		1.5		2.79		5.81	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	1.83		0.225	J	0.665		1.92	
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	30.9		5.08		14.2		49.2	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.833		0.341	U	0.204	J	0.509	
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	1.57		0.276	J	0.905		2.24	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station E		Q3-Station A		Q3-Station B		Q3-Station C	
		Sample Date	10/28/2020		11/9/2020		11/6/2020		11/6/2020	
		Sample ID	NBH20-SF-E-2		NBH20-SF-A-3		NBH20-SF-B-3		NBH20-SF-C-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.537		0.341	U	0.422		0.904	
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	6.39		1.08		4.47		10	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	1.02		0.235	J	0.676		1.56	
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	1.57		0.259	J	0.784		2.65	
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.37		0.341	U	0.374	U	0.674	
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.318	J	0.341	U	0.319	J	0.464	
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.488		0.341	U	0.249	J	0.276	J
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.698		0.189	J	0.616		1.12	
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.697		0.341	U	0.561		1.03	
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	2.78		0.471		1.58		3.8	
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.676	U	0.682	U	0.749	U	0.714	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	1.29		0.24	J	0.561		1.71	
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	3.66		0.671		2.68		5.4	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.224	J	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658		L2052658		L2052658	
		Location	Q2-Station E		Q3-Station A		Q3-Station B		Q3-Station C	
		Sample Date	10/28/2020		11/9/2020		11/6/2020		11/6/2020	
		Sample ID	NBH20-SF-E-2		NBH20-SF-A-3		NBH20-SF-B-3		NBH20-SF-C-3	
		QC Code	FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.263	J	0.341	U	0.374	U	0.361	
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.409		0.341	U	0.317	J	0.588	
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.211	J	0.341	U	0.374	U	0.316	J
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.367		0.341	U	0.422		0.626	
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.241	J	0.341	U	0.33	J	0.407	
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.266	J	0.341	U	0.374	U	0.232	J
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.676	U	0.682	U	0.749	U	0.714	U
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.338	U	0.341	U	0.374	U	0.357	U
LIPIDS	Lipids	PERCENT	0.432		0.437		0.749		0.8	

NOTES:

ug/kg = microgram per kilogram

U = not detected at the reported detection limit

J = estimated value

FS = field sample

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658	
		Location	Q3-Station D		Q3-Station E	
		Sample Date	10/28/2020		11/9/2020	
		Sample ID	NBH20-SF-D-3		NBH20-SF-E-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.691	U	0.743	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.345	U	0.372	
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.691	U	0.743	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.345	U	0.247	J
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.345	U	0.326	J
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.345	U	0.786	
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.691	U	0.743	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.345	U	0.671	
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.345	U	0.642	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.345	U	1.19	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	0.262	J	1.41	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658	
		Location	Q3-Station D		Q3-Station E	
		Sample Date	10/28/2020		11/9/2020	
		Sample ID	NBH20-SF-D-3		NBH20-SF-E-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.345	U	0.372	
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.345	U	0.328	J
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.345	U	0.327	J
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.345	U	0.255	J
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.345	U	0.42	
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.352		1.4	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.345	U	0.387	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.345	U	0.355	J
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	1.26		2.85	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	1.04		2.8	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.345	U	0.186	J
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.345	U	0.392	
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.345	U	0.248	J
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.345	U	0.19	J
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	0.902		1.64	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	0.363	J	0.931	
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	0.393		1.4	

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
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Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658	
		Location	Q3-Station D		Q3-Station E	
		Sample Date	10/28/2020		11/9/2020	
		Sample ID	NBH20-SF-D-3		NBH20-SF-E-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.345	U	0.404	
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.691	U	0.743	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.338	J	0.74	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	2.53		6.49	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.649		1.32	
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.709		1.4	
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	1.75		3.85	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.311	J	0.609	
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	2.52		5.76	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.453		0.349	J
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	1.04	U	1.05	J
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.345	U	0.298	J
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.04	U	1.12	U
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	0.723		1.06	
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.691	U	0.48	J
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.691	U	0.743	U

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
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Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658	
		Location	Q3-Station D		Q3-Station E	
		Sample Date	10/28/2020		11/9/2020	
		Sample ID	NBH20-SF-D-3		NBH20-SF-E-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.476		1.11	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	0.526		1.62	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	0.682		1.55	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	3.64		3.7	
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	1.27		2.28	
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.704		1.12	
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.575	J	1.45	
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.409		0.822	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.345	U	0.37	J
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.236	J	0.659	
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.298	J	0.518	
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	4.66		7.5	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.345	U	0.392	
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	1.84		3.35	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	2.21		5.72	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.294	J	0.751	
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	10.8		15.9	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.288	J	0.311	J
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	0.604		0.781	

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Data Validation Summary
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		Location	Q3-Station D		Q3-Station E	
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		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.21	J	0.355	J
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	1.67		3.37	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.359		0.605	
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.827		0.79	
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.244	J	0.408	
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.236	J	0.387	
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	0.839		1.14	
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.691	U	0.743	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.475		0.667	
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	1.21		1.96	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.345	U	0.372	U

Table 2 - Summary of Analytical Results - Conch
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

		SDG	L2052658		L2052658	
		Location	Q3-Station D		Q3-Station E	
		Sample Date	10/28/2020		11/9/2020	
		Sample ID	NBH20-SF-D-3		NBH20-SF-E-3	
		QC Code	FS		FS	
Method	**Parameter**	**Unit**	Final Result	Final Qualifier	Final Result	Final Qualifier
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.345	U	0.239	J
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.691	U	0.743	U
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.345	U	0.372	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.345	U	0.372	U
LIPIDS	Lipids	PERCENT	0.497		0.535	

NOTES:
ug/kg = microgram per kilogram
U = not detected at the reported detection limit
J = estimated value
FS = field sample

Table 3 - Summary of Qualification Actions
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2020 Sampling
New Bedford, Massachusetts

SDG	Method	Lab Sample ID	Field Sample ID	Parameter Name	Lab Result	Lab Qualifier	Final Result	Final Qualifier	Val Reason Code	Units
L2035985	8270D-SIM/680(M)	L2035985-01	NBH20-SF-B-2	Cl3-BZ#31	1.05		1.05	J	LD	UG/KG
L2035985	8270D-SIM/680(M)	L2035985-01	NBH20-SF-B-2	Cl6-BZ#138	1.54		1.54	J	LD	UG/KG
L2035985	8270D-SIM/680(M)	L2035985-01	NBH20-SF-B-2	Cl6-BZ#153	4.6		4.6	J	LD	UG/KG
L2035985	8270D-SIM/680(M)	L2035985-01	NBH20-SF-B-2	Cl7-BZ#180	0.777		0.777	J	LD	UG/KG
L2035985	8270D-SIM/680(M)	L2035985-01	NBH20-SF-B-2	Cl7-BZ#187	1.01		1.01	J	LD	UG/KG

NOTES:

ug/kg = microgram per kilogram

LD = laboratory duplicate precision goal not met

J = estimated value

Prepared by: WCG 11/2/20
Checked by: JAR 11/4/20

Appendix C

Seafood Monitoring - Field Sampling Activities
for
the New Bedford Harbor Superfund Site
2020 Annual Report
February 19, 2021

The Commonwealth of Massachusetts
Division of Marine Fisheries
251 Causeway Street, Suite 400, Boston, MA 02114
p: (617) 626-1520 | f: (617) 626-1509
www.mass.gov/marinefisheries

CHARLES D. BAKER, Governor
KARYN E. POLITO, Lt. Governor
KATHLEEN A. THEOHARIDES, Secretary
RONALD S. AMIDON, Commissioner
DANIEL J. MCKIERNAN, Director

Seafood Monitoring - Field Sampling Activities for the New Bedford Harbor Superfund Site 2020 Annual Report

Vin Malkoski, Senior Marine Fisheries Biologist
Massachusetts Division of Marine Fisheries
February 19, 2021

The Massachusetts Division of Marine Fisheries (MDMF) under an agreement with the Massachusetts Department of Environmental Protection (MassDEP) collects legal-size fish and shellfish from the three New Bedford Harbor fish closure areas. At the end of the collection period, these frozen samples were delivered to the Alpha Woods Hole Laboratories in Mansfield, Massachusetts for analysis. MassDEP provides the results of the analyses to EPA to monitor and support the site remediation project. This report describes MDMF's field activities in 2020 in accordance with the Seafood Monitoring and Field Sampling Work Plan and makes recommendations for the upcoming 2021 field season based on results obtained during the previous field season.

Sample Sites

The three Fish Closure Areas are identified in Attachment 1 from the EPA Record of Decision for the Upper and Lower Operable Unit, New Bedford Harbor Superfund Site, New Bedford, Massachusetts, dated September 25, 1998. These three Fish Closure Areas were designated by the Massachusetts Department of Public Health in 1979. Area 1 includes the waters of the Acushnet River and the New Bedford/Fairhaven Inner Harbor north of the Hurricane Barrier. Area 2 comprises the waters of the Outer Harbor and Clarks Cove south of the Hurricane Barrier and north of a line drawn from Wilbur Point in Fairhaven to Ricketsons Point in Dartmouth. Area 3 is that portion of Buzzards Bay south of the line drawn from Wilbur Point in Fairhaven to Ricketsons Point in Dartmouth and north of a line drawn from Rocky Point on West Island in Fairhaven to the Negro Ledge C3 buoy then to Mishaum Point in Dartmouth.

There are five original sample stations in each of the three fish closure areas in the waters of the City of New Bedford and the Towns of Dartmouth and Fairhaven. Station locations within each area vary for different species as what may be suitable habitat for one species may not be suitable for another (Attachment 1 – Figures 2 & 3).

2020 Field Collections

Attachment 2 – Collection Sheets 1 - 2 contain data on the harvest dates, collection identification information, species, station identification information, location by latitude and longitude, and collection method.

Channeled whelk (*Busycon canaliculatum)* and knobbed whelk *(Busycon carica)*
We collected channeled and knobbed whelk (conch) from all ten stations in Areas 2 and 3 during the months of October and November using conch pots (Figure 1 and Collection Form 1). Twelve whelk were collected at most stations except SF-A-3 (Great Ledge) where 3 were taken and SF-E-3 (Angelica Rock) were 6 were harvested.

Quahog (*Mercenaria mercenaria*)
Marine Fisheries collected pre-spawn quahog samples from 10 stations in Areas 2 and 3 by rake and diver (Figure 2 and Collection Form 2). We harvested a minimum of 12 quahogs per station, except from Station SF-I-3 (Nonquit) where 6 were harvested, to provide sufficient sample sizes for the Work Plan. We were unable to harvest any quahogs from Area 1.

Planning for 2021 Field Collections

As per the Study Plan, pre-spawn quahogs will be collected from Areas 1, 2, and 3 and whelk will be collected from Areas 2 and 3 in 2021.

ATTACHMENT 1
DMF HARVEST SITE MAPS

Figure 1 - PCB Sample Areas 1, 2, & 3
Figure 2 - Channeled and knobbed whelk, Areas 2 & 3
Figure 3 - Quahogs, Areas 2 & 3

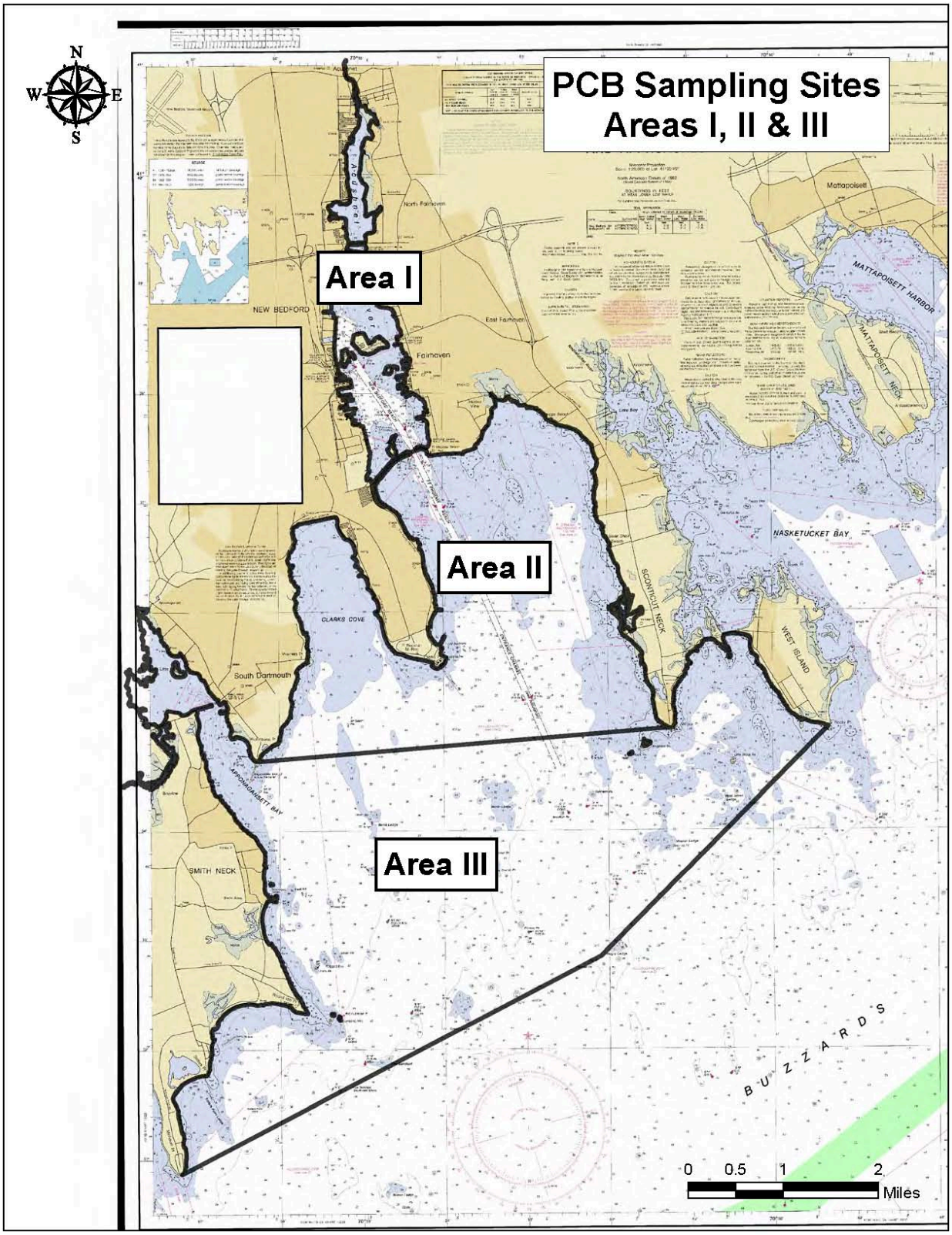

Figure 1. PCB Sample Areas I to III

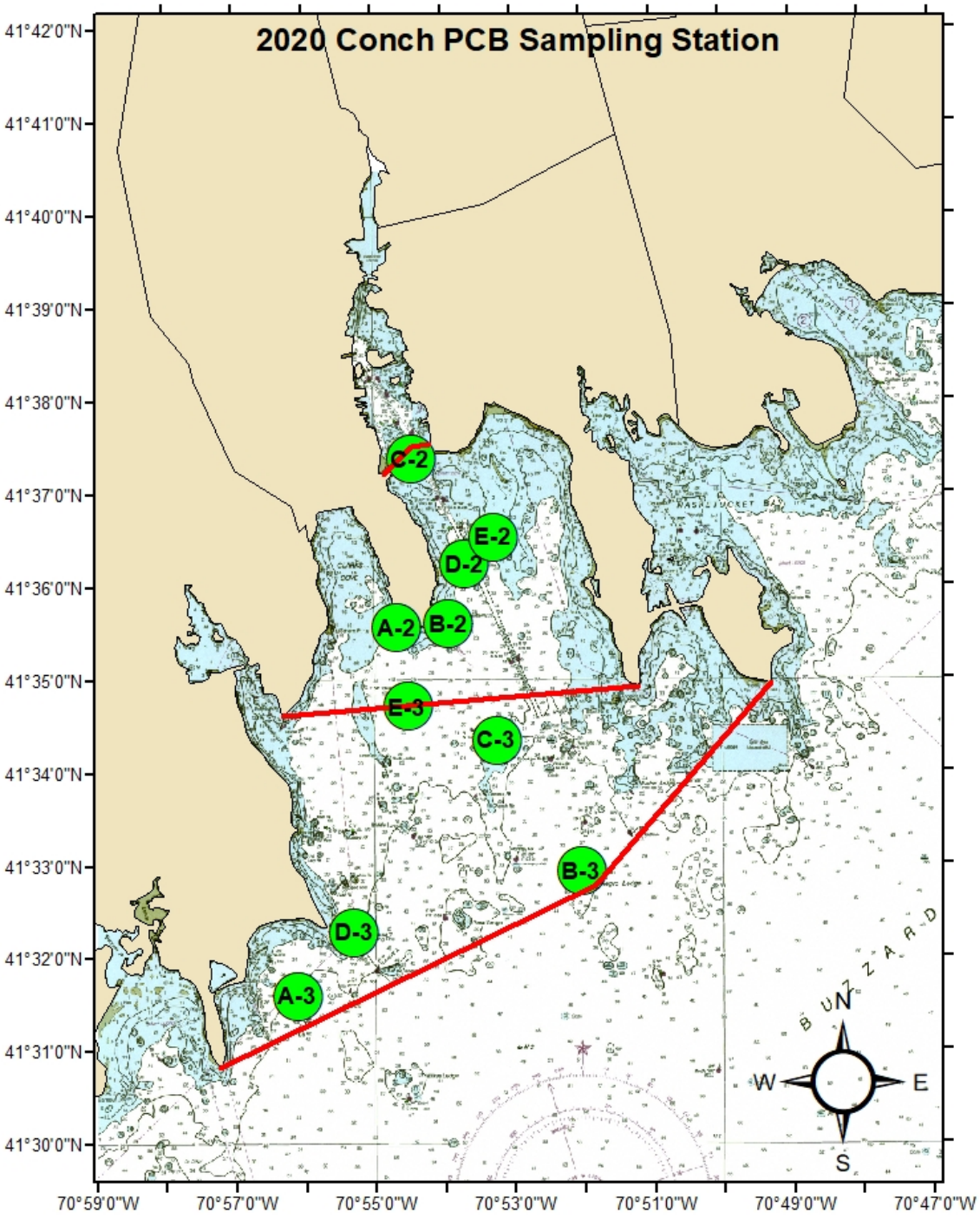

Figure 5. Whelk (Conch), Areas II, & III

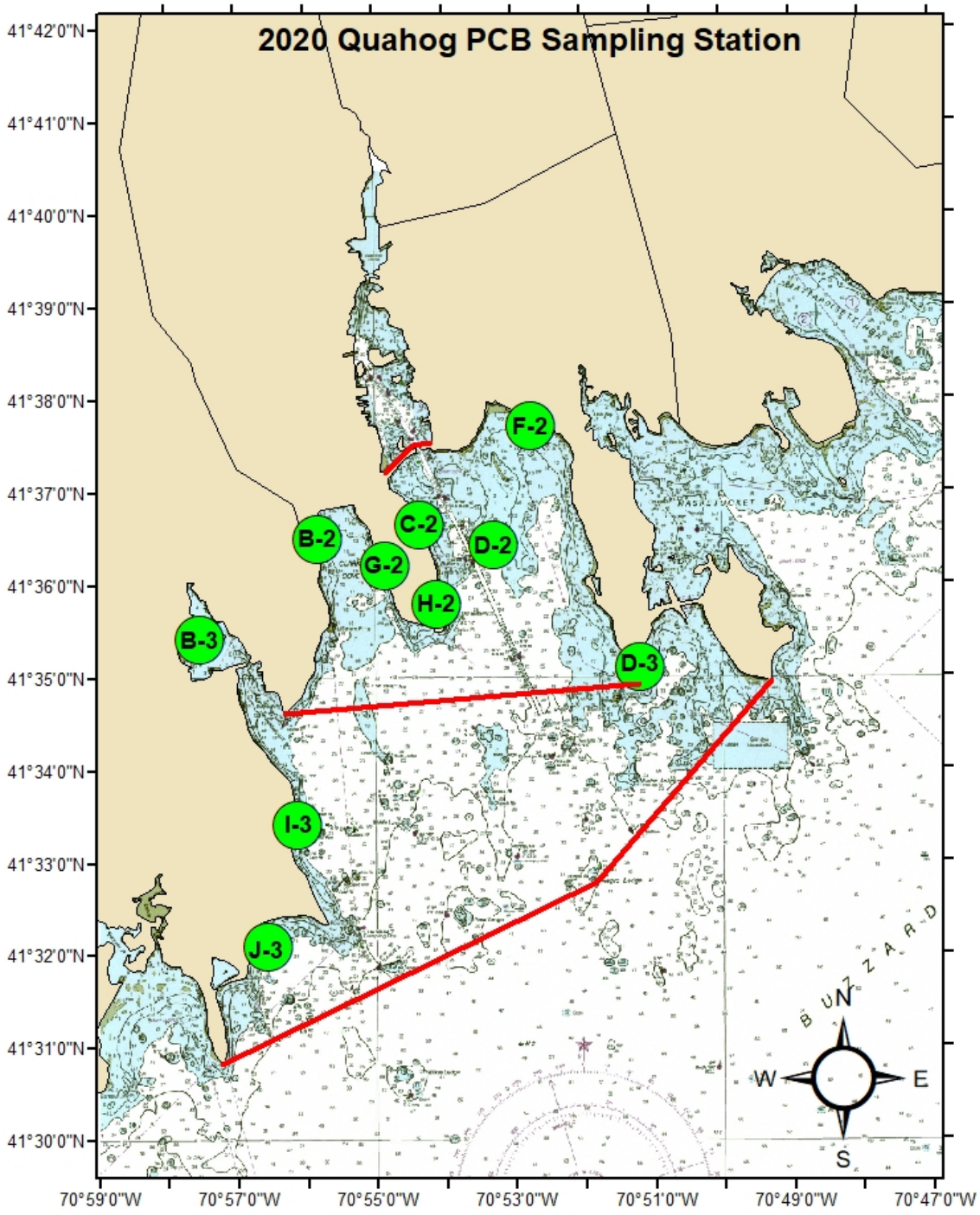

Figure 6. Pre-spawn Quahogs, Areas I, II, & III

ATTACHMENT 2
DMF FIELD COLLECTION SHEETS

Field Collection Form 1 - Channeled and knobbed whelk
Field Collection Form 2 - Quahogs

FIELD COLLECTION FORM 4: DIVISION MARINE FISHERIES, NEW BEDFORD OFFICE, 836 SOUTH RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH20 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Vin Malkoski SHIPPER: MDMF Vin Malkoski SAMPLE CONDITION: FRESH ___ FROZEN X

COLLECTION DATE DDMMYY	COLLECTION #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
10/28/2020	NBH20-SF-A-2	11 Whelk	SMAST Pier	NBH Area 2	041° 35.556′ 070° 54.669′	Pots	
10/26/2020	NBH20-SF-B-2	12 Whelk	E of Fort Rodman	NBH Area 2	041° 35.596′ 070° 53.922′	Pots	
10/28/2020	NBH20 SF-C-2	12 Whelk	W of Opening	NBH Area 2	041° 37.380′ 070° 54.430′	Pots	
10/26/2020	NBH20-SF-D-2	12 Whelk	Lighthouse	NBH Area 2	041° 36.242′ 070° 53.683′	Pots	
10/26/2020; 10/28/2020	NBH20-SF-E-2	12 Whelk	Egg Island	NBH Area 2	041° 36.523′ 070° 56.110′	Pots	
11/6/2020	NBH20-SF-A-3	3 Whelk	Great Ledge	NBH Area 3	041° 31.591′ 070° 52.023	Pots	
11/6/2020	NBH20-SF-B-3	12 Whelk	Negro Ledge	NBH Area 3	041° 32.922′ 070° 52.023′	Pots	
10/28/2020; 11/6/2020	NBH20-SF-C-3	12 Whelk	North Ledge	NBH Area 3	041° 34.341′ 070° 53.234′	Pots	
10/28/2020	NBH20-SF-D-3	12 Whelk	Radome	NBH Area 3	041° 32.281′ 070° 55.292′	Pots	
11/6/2020	NBH20-SF-E-3	6 Whelk	Angelica Rock	NBH Area 3	041° 34.711′ 070° 51.498′	Pots	

FIELD COLLECTION FORM 5: DIVISION MARINE FISHERIES, NEW BEDFORD OFFICE, 836 SOUTH RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH20 REQUESTED BY/AGENCY: Paul Craffey / Dept. Environmental Protection ANALYSIS REQUESTED:

COLLECTOR: MDMF Vin Malkoski SHIPPER: MDMF Vin Malkoski SAMPLE CONDITION: FRESH____ FROZEN__X__

COLLECTION DATE DDMMYY	COLLECTION #	SPECIES & # IN SAMPLE	STATION I.D.	LOCATION	LAT/LONG DEG. MIN.	COLLECTION METHOD	RESERVED FOR OFFICE USE
5/15/2020	NBH20-SF-B-2	12 Quahogs (Prespawn)	Rogers Street	NBH Area 2	041° 36.500′ 070° 55.820′	Dive	
5/6/2020	NBH20-SF-C-2	12 Quahogs (Prespawn)	S of Fredrick St Ramp	NBH Area 2	041° 36.650′ 070° 54.345′	Dive	
5/6/2020	NBH20-SF-D-2	12 Quahogs (Prespawn)	Egg Island	NBH Area 2	041° 36.422′ 070° 53.290′	Dive	
5/6/2020	NBH20-SF-F-2	12 Quahogs (Prespawn)	Priest's Cove	NBH Area 2	041° 37.700′ 070° 52.740′	Dive	
5/15/2020	NBH20-SF-G-2	12 Quahogs (Prespawn)	W Rodney Family Area	NBH Area 2	041° 36.205′ 070° 54.842′	Dive	
5/6/2020	NBH20-SF-H-2	12 Quahogs (Prespawn)	E Rodney Family Area	NBH Area 2	041° 35.790′ 070° 54.108′	Dive	
5/6/2020	NBH20-SF-B-3	12 Quahogs (Prespawn)	Star of the Sea	NBH Area 3	041° 35.410′ 070° 57.524′	Rake	
5/15/2020	NBH20-SF-D-3	12 Quahogs (Prespawn)	Nakata Beach	NBH Area 3	041° 35.102′ 070° 51.192′	Dive	
5/6/2020	NBH20-SF-I-3	6 Quahogs (Prespawn)	Nonquit	NBH Area 3	041° 33.415′ 070° 56.128′	Dive	
5/6/2020	NBH20-SF-J-3	12 Quahogs (Prespawn)	Salters Point	NBH Area 3	041° 32.09′ 070 56.56′	Dive	

Appendix D

PCB Congener Calculations 136 vs 148 for 2017 Memo
May 30, 2018

Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

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Lieutenant Governor

Matthew A. Beaton
Secretary

Martin Suuberg
Commissioner

Memorandum

From: Paul Craffey, MassDEP Project Manager
To: File
Date: May 30, 2018
Subject: PCB Congener Calculations 136 vs 148 for 2017

Introduction

Since 2003, the same 136 PCB congeners were analyzed for each location. The reason to keep the number and the specific congeners the same each year is so a comparison could be made to determine a trend of the PCB concentrations over the years of sampling. For the 2017 analysis, there were 148 PCB congeners that were analyzed in each sample. The new PCB congeners added in 2017 were BZ#20, #68, #73, #88, #90, #111, #112, #121, #125, #160, #164, and #204. These additional PCB congeners represent an 8.1% increase (12/148) in the number of PCB congeners vs. the previous sampling. The purpose of this memo is to determine if the 2017 concentrations represent a potential high bias due to the additional 12 congeners and may need a reduction correction when compared to the previous years.

Congener Result Analysis

Because the additional new PCB congeners co-eluted with other previous congeners, it is not possible to separate the peaks, add up the new 2017 PCB congeners, and subtract the total to obtain adjusted PCB congener totals that could be compared the previous years. The summary tables below represent each of the sample locations that were sampled in 2011 through 2017 and include only the PCB congeners affected by the new 2017 PCB congener list. The subset of affected PCB congeners was totaled and then compared to the total PCB concentration for each individual sample. The percentages of the subset vs. the total are shown on the last gray line of each sample location. The 2017 values including the additional 12 PCB congeners can be compared to the previous years (2011 to 2016) that do not include the additional congeners.

Results

The percentages of the subset PCB congeners for all Conch locations are between 12 to 22%

(averaging 17%) of the total PCB congeners. The percentages of the subset PCB congeners for the 2017 Conch locations are between 12 to 22% (averaging 18.9%) of the total PCB congeners. The total increase in the 2017 PCB congeners compared to the previous years (2011 to 2016) is less than 2% (18.9% – 17% = 1.9%).

The percentages of the subset PCB congeners for all Quahog locations are between 0 to 16% (averaging 12.4%) of the total PCB congeners. The percentages of the subset PCB congeners for the 2017 Quahog locations are between 2.3 to 15% (averaging 11.7%) of the total PCB congeners. The total decrease in the 2017 PCB congeners compared to the previous years (2011 to 2016) is less than 1% (12.4% –11.7% = 0.7%).

Even though the total number of new PCB congeners in 2017 increased the total number of PCB congeners analyzed by 8.1%, the additional new PCB congeners do not seem to represent a significant change to the total PCB congener results. Based on this evaluation an adjustment to the 2017 results is not required when compared to the previous years' results.