Monitoring Report for Seafood Harvested in 2021 from the New Bedford Harbor Superfund Site

by

Massachusetts Department of Environmental Protection

and

Massachusetts Division of Marine Fisheries

Amended
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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 2021. 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, 2021**)**. 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 2021 were pre-spawn quahog and conch.

Each composite sample consists of legally harvestable organisms. The quahog composited sample generally consists of 8 to 13 organisms per location. The conch composited sample consists of 11 or 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. 2021 Field Collection

The DMF on-site field sampling program included the collection of quahog and conch. The Sampling Report for species collected in 2021 by DMF is in Appendix C (MA DMF, 2022).

The conchs were collected in October and November (Figure 2) using conch pots. The conch composited sample consists of 11 to 13 organisms per location. The quahogs were collected pre-spawn in May (Figure 3) using a rake or diver. The quahog composited sample consists of 10 to 13 organisms per location, except Station I-3 where 8 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, 2021a**).** 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 and conch samples was the compositing of eight to thirteen 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, 2021a) 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, 2022).

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 Areas I and II locations are above the site-specific target level of 0.02 ppm. Half quahog samples from Area III locations (I-3 and J-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, 2021. Seafood Monitoring and Field Sampling Work Plan, New Bedford Harbor Superfund Site, Massachusetts Department of Environmental Protection. February 2021

MassDEP, 2021a. Quality Assurance Project Plan Revision 15, New Bedford Harbor Superfund Site, New Bedford, Massachusetts. Massachusetts Department of Environmental Protection. February 28, 2021

MADMF, 2022. Seafood Monitoring - Field Sampling Activities for the New Bedford Harbor Superfund Site 2021 Annual Report, Vin Malkoski, Senior Marine Fisheries Biologist, Massachusetts Division of Marine Fisheries, February 2, 2022

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, 2022. Data Validation Summary, MassDEP, NBH Superfund Site, Seafood Contaminant Survey Monitoring 2021 Sampling, February 22, 2022

FIGURES

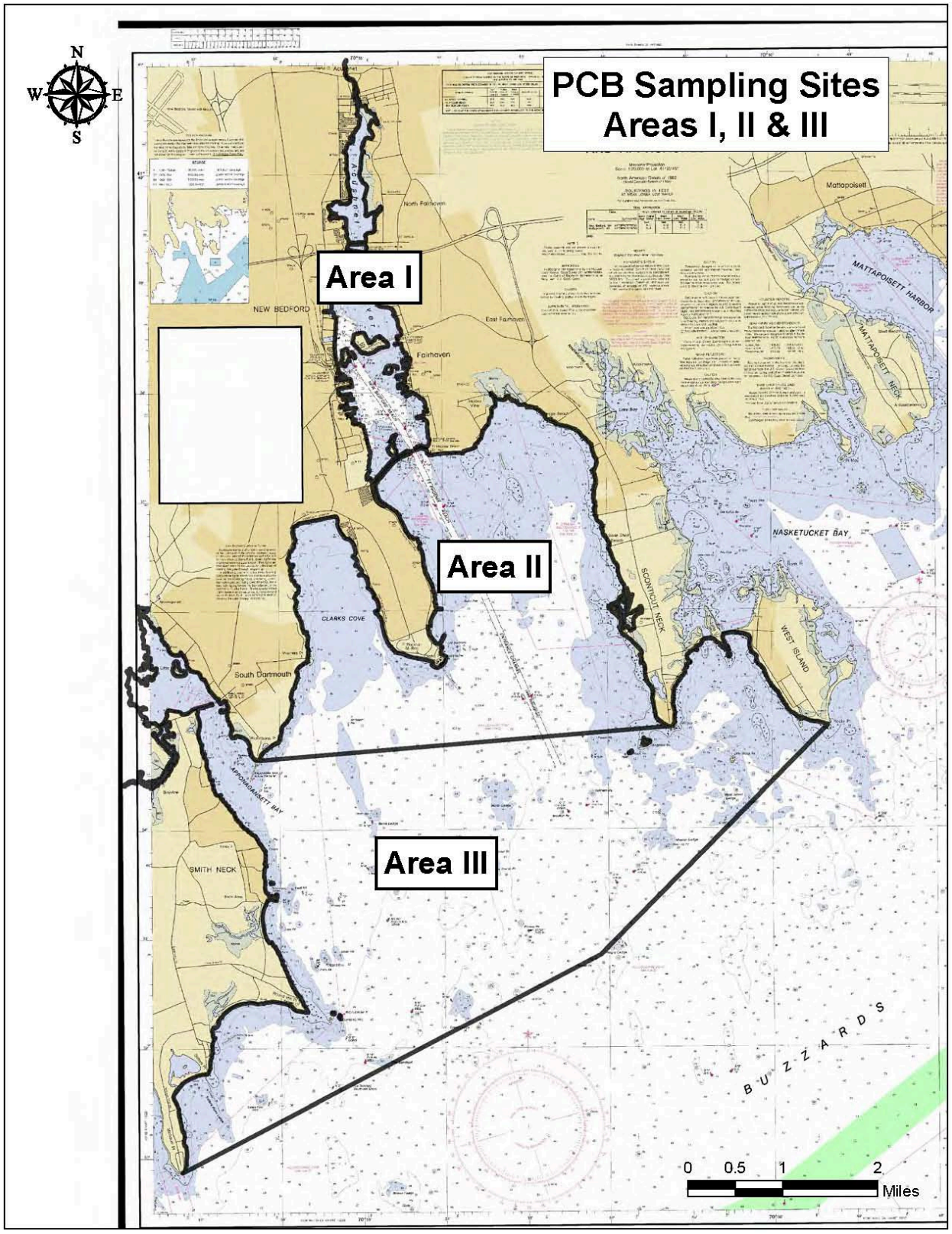

Figure 1 Fish Closure Areas I to III

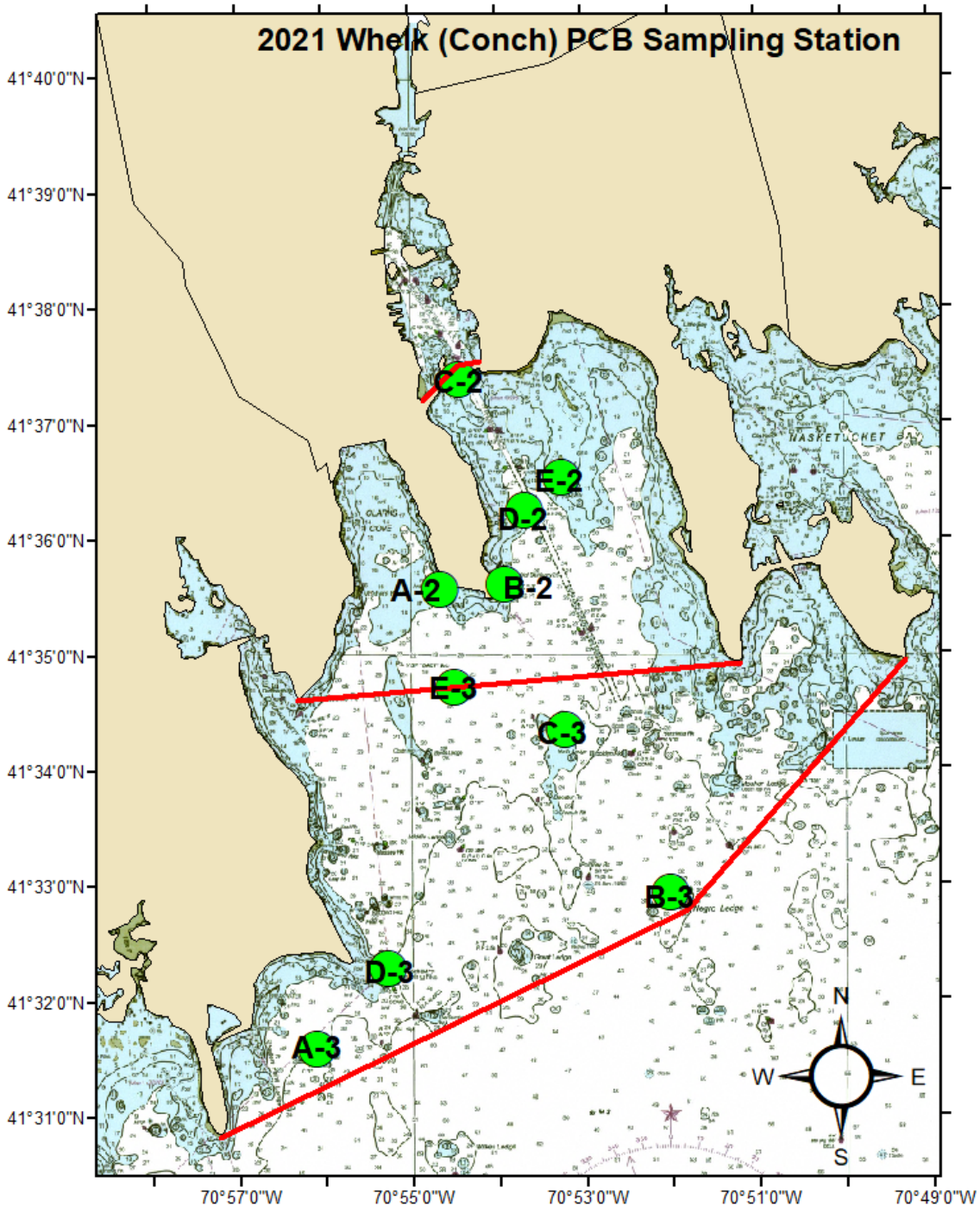

Figure 2 Conch Sample Locations Areas II and III

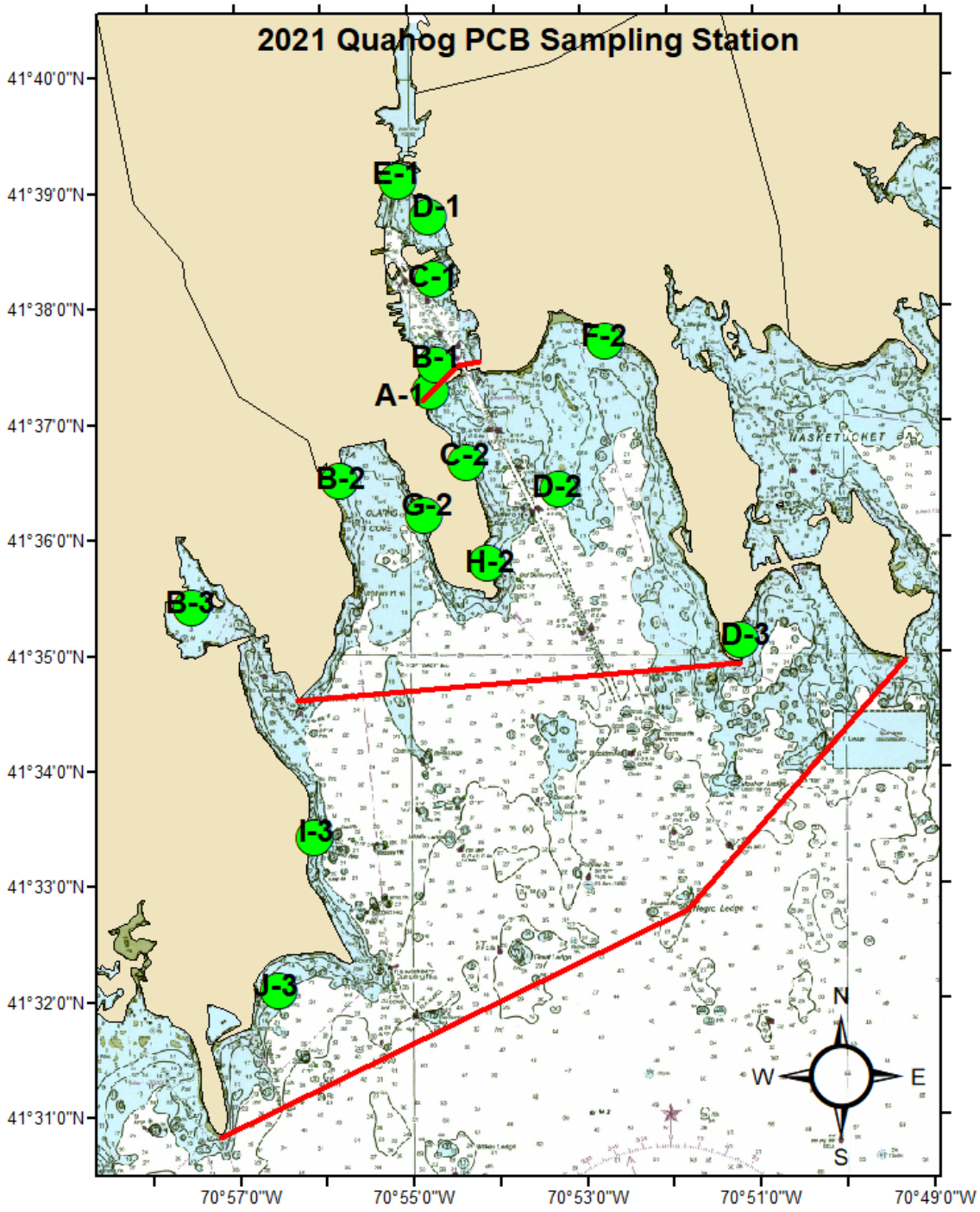

Figure 3 Quahog (Pre-spawn) Sample Locations Areas I to III

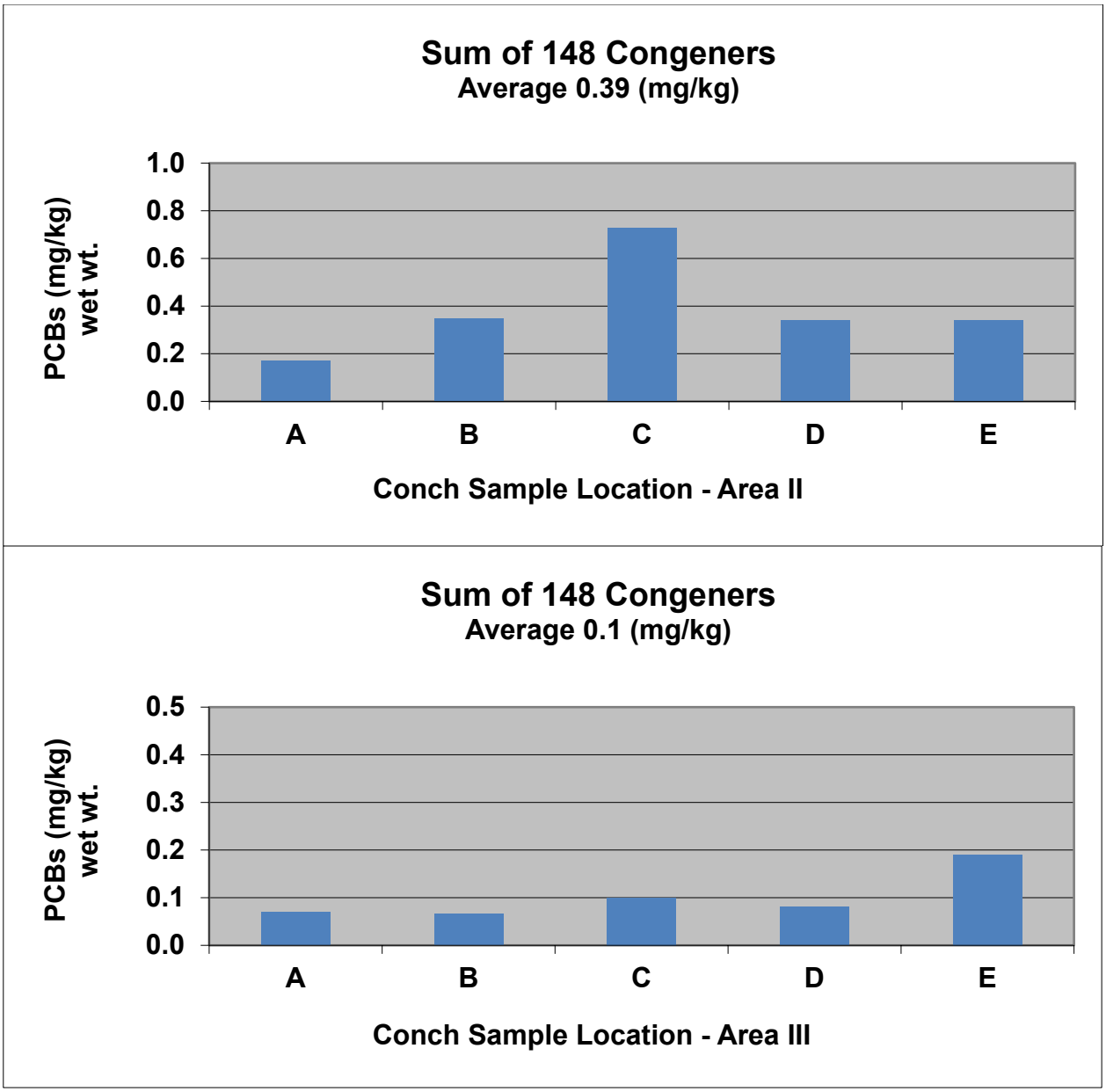

Figure 4 PCBs Concentrations in Conch Areas II and III - 2021

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

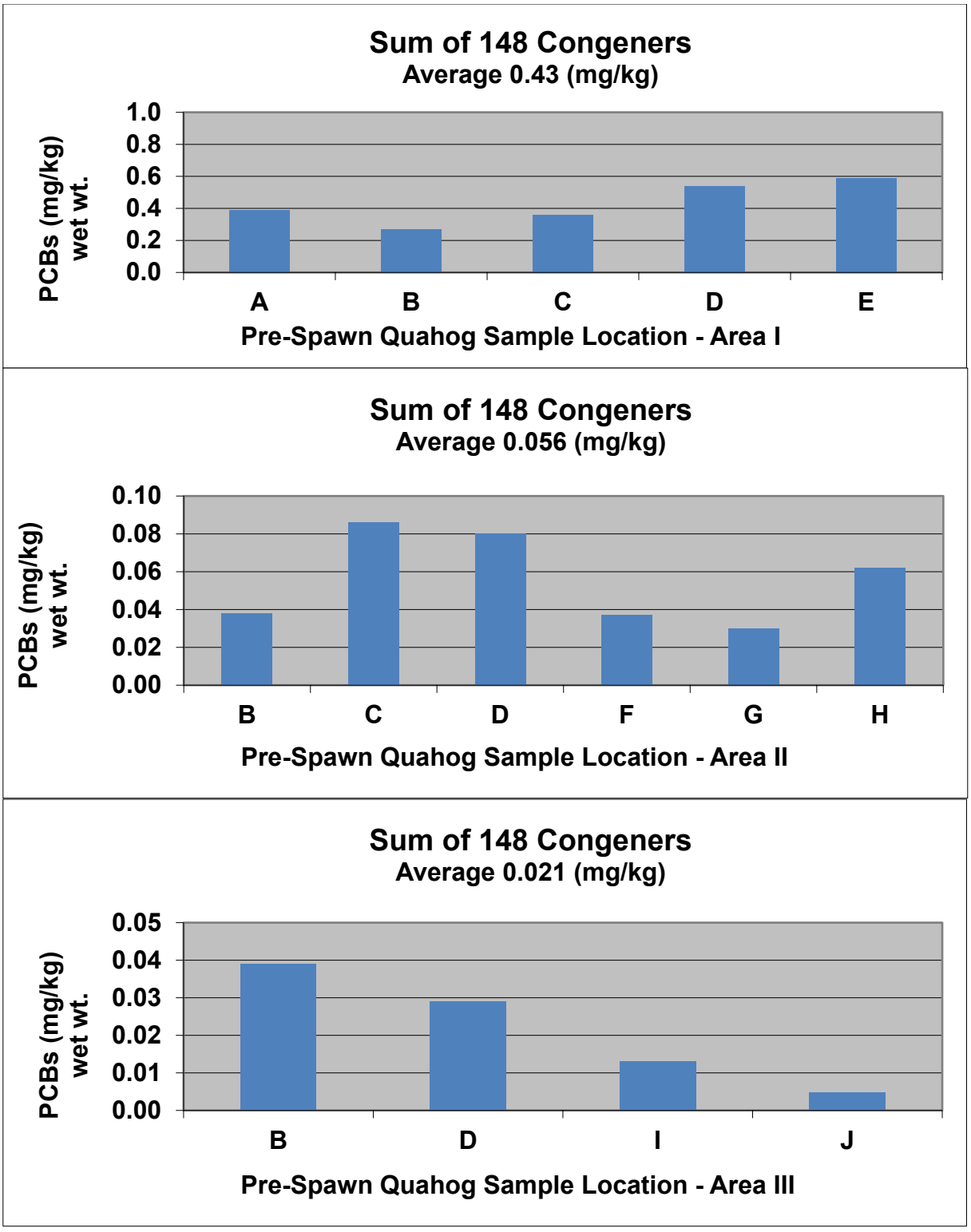

Figure 5 PCBs Concentrations in Pre-Spawn Quahog Areas II and III - 2021

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

TABLES

Table 1 Summary of Sample Data for Conch Areas 2 and 3 - 2021

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	0.57	0.18 J3	0.17	0.081 J4	0.020 J3	0.089 J3
Q2-Station B	0.54	0.36 J3	0.35	0.16 J4	0.027 J3	0.17 J4
Q2-Station C	0.78	0.74 J3	0.73	0.36 J4	0.10 J4	0.38 J4
Q2-Station D	0.74	0.35 J3	0.34	0.16 J4	0.033 J3	0.17 J4
Q2-Station E	0.64	0.35 J3	0.34	0.16 J4	0.037 J3	0.18 J4
Average	0.65	0.40	0.39	0.18	0.043	0.20
Q3-Station A	0.57	0.086 J2	0.070	0.036 J3	0.0079 J2	0.041 J3
Q3-Station B	0.67	0.082 J2	0.066	0.033 J3	0.0087 J2	0.039 J3
Q3-Station C	0.71	0.12 J2	0.10	0.051 J3	0.013 J3	0.057 J3
Q3-Station D	0.58	0.097 J2	0.081	0.042 J3	0.0085 J2	0.047 J3
Q3-Station E	0.81	0.21 J3	0.19	0.10 J4	0.022 J3	0.11 J3
Average	0.67	0.12	0.10	0.052	0.012	0.059

Table 2 Summary of Sample Data for Quahog Areas 1, 2 and 3 - 2021

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						
Q1-Station A	0.74	0.40 J3	0.39	0.14 J4	0.028 J3	0.15 J4
Q1-Station B	0.79	0.27 J3	0.27	0.095 J4	0.019 J3	0.10 J3
Q1-Station C	0.63	0.37 J3	0.36	0.13 J4	0.029 J3	0.14 J4
Q1-Station D	0.74	0.54 J3	0.54	0.19 J4	0.039 J3	0.20 J4
Q1-Station E	1.4	0.60 J4	0.59	0.21 J4	0.039 J3	0.22 J4
Average	0.86	0.44	0.43	0.15	0.031	0.16
Q2-Station B	0.48	0.055 J2	0.038	0.016 J3	0.0047 J2	0.018 J2
Q2-Station C	0.75	0.097 J2	0.086	0.031 J3	0.0075 J2	0.034 J3
Q2-Station D	1.0	0.090 J2	0.080	0.029 J3	0.0066 J2	0.032 J3
Q2-Station F	0.78	0.054 J2	0.037	0.016 J3	0.0042 J2	0.018 J2
Q2-Station G	0.81	0.051 J2	0.030	0.012 J3	0.0040 J1	0.014 J2
Q2-Station H	0.76	0.077 J2	0.062	0.025 J3	0.0058 J2	0.027 J3
Average	0.76	0.071	0.056	0.022	0.0055	0.024
Q3-Station B	1.2	0.056 J2	0.039	0.018 J3	0.0052 J2	0.020 J2
Q3-Station D	1.5	0.047 J2	0.029	0.013 J3	0.0038 J2	0.015 J2
Q3-Station I	0.63	0.033 J1	0.013	0.0068 J2	0.0028 J1	0.0086 J2
Q3-Station J	1.4	0.031 J1	0.0047	0.0050 J1	0.0028 J1	0.0072 J1
Average	1.2	0.042	0.021	0.011	0.0037	0.013

Notes for 2021 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 3/2/2022
Checked by: CLC 3/16/2022

Appendices

Appendix A	Laboratory Data
Appendix B	Data Validation Summary, MassDEP, NBH Superfund Site, Seafood Contaminant Survey Monitoring 2021 Sampling, February 22, 2022
Appendix C	Seafood Monitoring - Field Sampling Activities for the NBH Superfund Site 2021 Annual Report, February 2, 2022
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 I
Table 2b Sample Data for Quahog Area II
Table 2c Sample Data for Quahog Area III

TABLE 1a - SUMMARY OF SAMPLE DATA FOR CONCH (MG/KG WET WEIGHT) AREA 2 - 2021

Parameter	Units	Sample#	NBH21-SF-A-2	NBH21-SF-B-2	NBH21-SF-C-2	NBH21-SF-D-2	NBH21-SF-E-2
		Species	Conch	Conch	Conch	Conch	Conch
		Species Type	TIS	TIS	TIS	TIS	TIS
		Area	2	2	2	2	2
		Station	Q2-Station A	Q2-Station B	Q2-Station C	Q2-Station D	Q2-Station E
		Sample Date	10/30/2021	10/30/2021	10/30/2021	10/30/2021	11/1/2021
Lipids	PERCENT		0.57	0.54	0.78	0.74	0.64
Total PCB Congeners[1]	MG/KG		0.18 J3	0.36 J3	0.74 J3	0.35 J3	0.35 J3
Total PCB Congeners Hits[2]	MG/KG		0.17	0.35	0.73	0.34	0.34
Total NOAA Congeners[3]	MG/KG		0.081 J4	0.16 J4	0.36 J4	0.16 J4	0.16 J4
Total WHO Congeners[4]	MG/KG		0.020 J3	0.027 J3	0.10 J4	0.033 J3	0.037 J3
Total NOAA / WHO Combined[5]	MG/KG		0.089 J3	0.17 J4	0.38 J4	0.17 J4	0.18 J4
Cl1-BZ#1	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl1-BZ#3	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl2-BZ#4/#10	MG/KG		0.00068 U	0.00068 U	0.00070 U	0.00071 U	0.00073 U
Cl2-BZ#5	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl2-BZ#6	MG/KG		0.00034 U	0.00018 J	0.00066	0.00019 J	0.00024 J
Cl2-BZ#7	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl2-BZ#8	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl2-BZ#12	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl2-BZ#13	MG/KG		0.00068 U	0.00068 U	0.00070 U	0.00071 U	0.00073 U
Cl2-BZ#15	MG/KG		0.00034 U	0.00034 U	0.00054	0.00035 U	0.00036 U
Cl3-BZ#16	MG/KG		0.00034 U	0.00034 U	0.00037	0.00035 U	0.00023 J
Cl3-BZ#17	MG/KG		0.00034 U	0.00034 U	0.00046	0.00035 U	0.00020 J
Cl3-BZ#18	MG/KG		0.00039	0.00068	0.0025	0.00078	0.00093
Cl3-BZ#19	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl3-BZ#21/#20	MG/KG		0.00068 U	0.00068 U	0.00053 J	0.00071 U	0.00073 U
Cl3-BZ#22	MG/KG		0.00034 U	0.00025 J	0.00072	0.00025 J	0.00033 J
Cl3-BZ#24	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl3-BZ#25	MG/KG		0.00034 U	0.00025 J	0.00077	0.00022 J	0.00036 J
Cl3-BZ#26	MG/KG		0.00089	0.0022	0.0064	0.0021	0.0021
Cl3-BZ#27	MG/KG		0.00034 U	0.00034 U	0.00039	0.00035 U	0.00036 U
Cl3-BZ#28	MG/KG		0.00044	0.00082	0.013	0.0019	0.0011
Cl3-BZ#29	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl3-BZ#31	MG/KG		0.0017	0.0031	0.012	0.0043	0.0035
Cl3-BZ#32	MG/KG		0.00034 U	0.00021 J	0.00046	0.00020 J	0.00022 J
Cl3-BZ#33	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl3-BZ#37	MG/KG		0.00034 U	0.00018 J	0.0013	0.00034 J	0.00025 J
Cl4-BZ#40	MG/KG		0.00034 U	0.00054	0.00075	0.00037	0.00046
Cl4-BZ#41	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl4-BZ#42	MG/KG		0.00053	0.0011	0.0021	0.00088	0.0012
Cl4-BZ#43	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl4-BZ#44	MG/KG		0.0018	0.0042	0.0077	0.0039	0.0035
Cl4-BZ#45	MG/KG		0.00034 U	0.00034 U	0.00034 J	0.00035 U	0.00036 U
Cl4-BZ#47	MG/KG		0.00056	0.0011	0.013	0.0022	0.0015
Cl4-BZ#48	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl4-BZ#49	MG/KG		0.0062	0.013	0.027	0.016	0.012
Cl4-BZ#50	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl4-BZ#51	MG/KG		0.00034 U	0.00034 U	0.00021 J	0.00035 U	0.00036 U
Cl4-BZ#52	MG/KG		0.0066	0.014	0.028	0.015	0.011
Cl4-BZ#53	MG/KG		0.00034 U	0.00034 U	0.00027 J	0.00035 U	0.00028 J
Cl4-BZ#54	MG/KG		0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U

	Sample#	NBH21-SF-A-2	NBH21-SF-B-2	NBH21-SF-C-2	NBH21-SF-D-2	NBH21-SF-E-2
	Species	Conch	Conch	Conch	Conch	Conch
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	2	2	2	2	2
	Station	Q2-Station A	Q2-Station B	Q2-Station C	Q2-Station D	Q2-Station E
	Sample Date	10/30/2021	10/30/2021	10/30/2021	10/30/2021	11/1/2021
Parameter	Units					
Cl4-BZ#56	MG/KG	0.00046	0.0012	0.0016	0.00082	0.00096
Cl4-BZ#60	MG/KG	0.00040	0.00063	0.0046	0.00098	0.00099
Cl4-BZ#63	MG/KG	0.00040	0.00077	0.0019	0.00080	0.00085
Cl4-BZ#66	MG/KG	0.0034	0.0049	0.030	0.0070	0.0073
Cl4-BZ#68/#64	MG/KG	0.0014	0.0031	0.0072	0.0033	0.0028
Cl4-BZ#70	MG/KG	0.0024	0.0038	0.0073	0.0042	0.0034
Cl4-BZ#71	MG/KG	0.00036	0.00062	0.0013	0.00056	0.00060
Cl4-BZ#73/#46	MG/KG	0.00068 U	0.00068 U	0.0007 U	0.00071 U	0.00073 U
Cl4-BZ#74	MG/KG	0.0012	0.0018	0.018	0.0034	0.0033
Cl4-BZ#76	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl4-BZ#77	MG/KG	0.00034 U	0.00034 U	0.00098	0.00035 U	0.00036 U
Cl4-BZ#81	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl5-BZ#82	MG/KG	0.00034 U	0.00033 J	0.00039	0.00035 U	0.00026 J
Cl5-BZ#83/#125/#112	MG/KG	0.00089 J	0.0016	0.0018	0.0013	0.0012
Cl5-BZ#85	MG/KG	0.0016	0.0040	0.0096	0.0036	0.0035
Cl5-BZ#87/#111	MG/KG	0.00098	0.0034	0.0034	0.0025	0.0021
Cl5-BZ#89/#84	MG/KG	0.00072	0.0014	0.0020	0.0012	0.0013
Cl5-BZ#91	MG/KG	0.0018	0.0042	0.0065	0.0043	0.0035
Cl5-BZ#92	MG/KG	0.0043	0.0079	0.0089	0.0070	0.0050
Cl5-BZ#97	MG/KG	0.0022	0.0090	0.0091	0.0057	0.0049
Cl5-BZ#99	MG/KG	0.0094	0.019	0.067	0.021	0.025
Cl5-BZ#100	MG/KG	0.00034 U	0.00029 J	0.0014	0.00037	0.00036 J
Cl5-BZ#101/#90	MG/KG	0.013	0.032	0.037	0.026	0.022
Cl5-BZ#104	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl5-BZ#105	MG/KG	0.0017	0.0030	0.011	0.0037	0.0042
Cl5-BZ#107/#123	MG/KG	0.0021	0.0029	0.0068	0.0026	0.0035
Cl5-BZ#110	MG/KG	0.0074	0.024	0.027	0.018	0.015
Cl5-BZ#114	MG/KG	0.00089	0.0018	0.0032	0.0016	0.0019
Cl5-BZ#118	MG/KG	0.010	0.010	0.062	0.018	0.019
Cl5-BZ#119	MG/KG	0.00081	0.0015	0.0060	0.0018	0.0019
Cl5-BZ#121/#95/#88	MG/KG	0.0024	0.0050	0.0081	0.0048	0.0042
Cl5-BZ#124	MG/KG	0.00028 J	0.00050	0.00062	0.00052	0.00048
Cl5-BZ#126	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl6-BZ#128	MG/KG	0.0030	0.0063	0.011	0.0057	0.0059
Cl6-BZ#129/#158	MG/KG	0.0013	0.0036	0.0077	0.0035	0.0043
Cl6-BZ#130/#164	MG/KG	0.0017	0.0040	0.0039	0.0030	0.0027
Cl6-BZ#131	MG/KG	0.00034 U	0.00029 J	0.00021 J	0.00035 U	0.00036 U
Cl6-BZ#132	MG/KG	0.0011	0.0030	0.0033	0.0024	0.0020
Cl6-BZ#134	MG/KG	0.00062	0.0011	0.0012	0.0011	0.00073
Cl6-BZ#135	MG/KG	0.00099	0.0015	0.0020	0.0015	0.0012
Cl6-BZ#136	MG/KG	0.00030 J	0.00055	0.00060	0.00047	0.00051
Cl6-BZ#137	MG/KG	0.00066	0.0013	0.0038	0.0014	0.0019
Cl6-BZ#138	MG/KG	0.010	0.023	0.039	0.021	0.022
Cl6-BZ#141	MG/KG	0.00039	0.0013	0.0014	0.0011	0.00098
Cl6-BZ#144	MG/KG	0.00034 U	0.00038	0.00039	0.00030 J	0.00019 J
Cl6-BZ#146	MG/KG	0.0053	0.0081	0.012	0.0073	0.0081
Cl6-BZ#147/#149	MG/KG	0.0051	0.014	0.017	0.013	0.011
Cl6-BZ#151	MG/KG	0.0013	0.0021	0.0026	0.0025	0.0015

	Sample#	NBH21-SF-A-2	NBH21-SF-B-2	NBH21-SF-C-2	NBH21-SF-D-2	NBH21-SF-E-2
	Species	Conch	Conch	Conch	Conch	Conch
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	2	2	2	2	2
	Station	Q2-Station A	Q2-Station B	Q2-Station C	Q2-Station D	Q2-Station E
	Sample Date	10/30/2021	10/30/2021	10/30/2021	10/30/2021	11/1/2021
Parameter	Units					
Cl6-BZ#153	MG/KG	0.022	0.043	0.091	0.044	0.051
Cl6-BZ#154	MG/KG	0.00048	0.0012	0.0036	0.0013	0.0018
Cl6-BZ#155	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl6-BZ#156	MG/KG	0.0024	0.0041	0.0083	0.0039	0.0048
Cl6-BZ#157	MG/KG	0.00069	0.0013	0.0021	0.0011	0.0012
Cl6-BZ#163/#160	MG/KG	0.0069	0.0094	0.016	0.0092	0.0088
Cl6-BZ#167	MG/KG	0.0011	0.0016	0.0040	0.0018	0.0022
Cl6-BZ#168	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl6-BZ#169	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl7-BZ#170	MG/KG	0.0017	0.0039	0.0051	0.0034	0.0035
Cl7-BZ#171	MG/KG	0.00044	0.00086	0.0016	0.00088	0.00091
Cl7-BZ#172	MG/KG	0.00047	0.0010	0.00089	0.00079	0.00068
Cl7-BZ#173	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl7-BZ#174	MG/KG	0.00030 J	0.00084	0.00069	0.00066	0.00067
Cl7-BZ#176	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl7-BZ#177	MG/KG	0.00085	0.0012	0.0014	0.0014	0.00095
Cl7-BZ#178	MG/KG	0.00062	0.00088	0.00095	0.0010	0.00098
Cl7-BZ#180	MG/KG	0.0027	0.0060	0.010	0.0054	0.0061
Cl7-BZ#182/#175	MG/KG	0.00068 U	0.00068 U	0.00070 U	0.00071 U	0.00073 U
Cl7-BZ#183	MG/KG	0.00085	0.0021	0.0041	0.0022	0.0023
Cl7-BZ#184	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl7-BZ#185	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl7-BZ#187	MG/KG	0.0031	0.0052	0.0084	0.0048	0.0051
Cl7-BZ#188	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl7-BZ#189	MG/KG	0.00034 U	0.00082	0.00075	0.00035 U	0.00036 U
Cl7-BZ#190	MG/KG	0.00034 U	0.00040	0.00088	0.00040	0.00048
Cl7-BZ#191	MG/KG	0.00034 U	0.00034 U	0.00044	0.00035 U	0.00036 U
Cl7-BZ#193	MG/KG	0.00029 J	0.00041	0.00059	0.00054	0.00045
Cl8-BZ#194	MG/KG	0.00048	0.00085	0.0010	0.00063	0.00079
Cl8-BZ#195	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl8-BZ#196	MG/KG	0.00034 U	0.00046	0.00071	0.00049	0.00033 J
Cl8-BZ#197	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl8-BZ#199	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl8-BZ#201	MG/KG	0.00050	0.00081	0.0012	0.00078	0.00076
Cl8-BZ#202	MG/KG	0.00030 J	0.00051	0.00045	0.00045	0.00037
Cl8-BZ#203	MG/KG	0.00034 U	0.00037	0.00057	0.00031 J	0.00039
Cl8-BZ#204/#200	MG/KG	0.00068 U	0.00068 U	0.00070 U	0.00071 U	0.00073 U
Cl8-BZ#205	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl9-BZ#206	MG/KG	0.00034 U	0.00034 U	0.00044	0.00035 U	0.00036 U
Cl9-BZ#207	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U
Cl9-BZ#208	MG/KG	0.00034 U	0.00034 U	0.00038	0.00026 J	0.00036 U
Cl10-BZ#209	MG/KG	0.00034 U	0.00034 U	0.00035 U	0.00035 U	0.00036 U

	Sample#	NBH21-SF-A-3	NBH21-SF-B-3	NBH21-SF-C-3	NBH21-SF-D-3	NBH21-SF-E-3
	Species	Conch	Conch	Conch	Conch	Conch
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	3	3	3	3	3
	Station	Q3-Station A	Q3-Station B	Q3-Station C	Q3-Station D	Q3-Station E
	Sample Date	11/1/2021	11/4/2021	11/1/2021	11/1/2021	11/4/2021
Parameter	Units					
Lipids	PERCENT	0.57	0.67	0.71	0.58	0.81
Total PCB Congeners[1]	MG/KG	0.086 J2	0.082 J2	0.12 J2	0.097 J2	0.21 J3
Total PCB Congeners Hits[2]	MG/KG	0.070	0.066	0.10	0.081	0.19
Total NOAA Congeners[3]	MG/KG	0.036 J3	0.033 J3	0.051 J3	0.042 J3	0.10 J4
Total WHO Congeners[4]	MG/KG	0.0079 J2	0.0087 J2	0.013 J3	0.0085 J2	0.022 J3
Total NOAA / WHO Combined[5]	MG/KG	0.041 J3	0.039 J3	0.057 J3	0.047 J3	0.11 J3
Cl1-BZ#1	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl1-BZ#3	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl2-BZ#4/#10	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl2-BZ#5	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl2-BZ#6	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl2-BZ#7	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00065
Cl2-BZ#8	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl2-BZ#12	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl2-BZ#13	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl2-BZ#15	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#16	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#17	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#18	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00028 J
Cl3-BZ#19	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#21/#20	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl3-BZ#22	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#24	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#25	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#26	MG/KG	0.00021 J	0.00035 U	0.00040	0.00027 J	0.00078
Cl3-BZ#27	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#28	MG/KG	0.00018 J	0.00035 U	0.00034 U	0.00020 J	0.00031 J
Cl3-BZ#29	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#31	MG/KG	0.00048	0.00041	0.00084	0.00056	0.0013
Cl3-BZ#32	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#33	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl3-BZ#37	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#40	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#41	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#42	MG/KG	0.00036 U	0.00035 U	0.00026 J	0.00038 U	0.00031 J
Cl4-BZ#43	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#44	MG/KG	0.00048	0.00031 J	0.00070	0.00051	0.0011
Cl4-BZ#45	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#47	MG/KG	0.00030 J	0.00035 U	0.00027 J	0.00027 J	0.00041
Cl4-BZ#48	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#49	MG/KG	0.0019	0.0016	0.0030	0.0021	0.0049
Cl4-BZ#50	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#51	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#52	MG/KG	0.0015	0.0012	0.0029	0.0016	0.0046
Cl4-BZ#53	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#54	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U

	Sample#	NBH21-SF-A-3	NBH21-SF-B-3	NBH21-SF-C-3	NBH21-SF-D-3	NBH21-SF-E-3
	Species	Conch	Conch	Conch	Conch	Conch
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	3	3	3	3	3
	Station	Q3-Station A	Q3-Station B	Q3-Station C	Q3-Station D	Q3-Station E
	Sample Date	11/1/2021	11/4/2021	11/1/2021	11/1/2021	11/4/2021
Parameter	Units					
Cl4-BZ#56	MG/KG	0.00036 U	0.00018 J	0.00031 J	0.00038 U	0.00032 J
Cl4-BZ#60	MG/KG	0.00019 J	0.00035 U	0.00017 J	0.00022 J	0.00026 J
Cl4-BZ#63	MG/KG	0.00036 U	0.00018 J	0.00027 J	0.00038 U	0.00044
Cl4-BZ#66	MG/KG	0.0012	0.00075	0.0018	0.0015	0.0027
Cl4-BZ#68/#64	MG/KG	0.00050 J	0.00070 U	0.00064 J	0.00060 J	0.0012
Cl4-BZ#70	MG/KG	0.00079	0.00070	0.0016	0.00067	0.0019
Cl4-BZ#71	MG/KG	0.00036 U	0.00035 U	0.00019 J	0.00038 U	0.00037 U
Cl4-BZ#73/#46	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl4-BZ#74	MG/KG	0.00032 J	0.00030 J	0.00071	0.00047	0.00084
Cl4-BZ#76	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#77	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl4-BZ#81	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl5-BZ#82	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl5-BZ#83/#125/#112	MG/KG	0.0011 U	0.0011 U	0.00059 J	0.0011 U	0.00065 J
Cl5-BZ#85	MG/KG	0.0010	0.00044	0.00090	0.00091	0.0018
Cl5-BZ#87/#111	MG/KG	0.00045 J	0.00055 J	0.00052 J	0.00052 J	0.00070 J
Cl5-BZ#89/#84	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl5-BZ#91	MG/KG	0.00075	0.00052	0.0011	0.00063	0.0017
Cl5-BZ#92	MG/KG	0.0011	0.0011	0.0026	0.0013	0.0028
Cl5-BZ#97	MG/KG	0.0012	0.00075	0.0013	0.0014	0.0036
Cl5-BZ#99	MG/KG	0.0042	0.0028	0.0056	0.0064	0.0082
Cl5-BZ#100	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl5-BZ#101/#90	MG/KG	0.0051	0.0045	0.0074	0.0049	0.015
Cl5-BZ#104	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl5-BZ#105	MG/KG	0.00065	0.00061	0.0012	0.00082	0.0025
Cl5-BZ#107/#123	MG/KG	0.00087	0.0012	0.0015	0.0011	0.0029
Cl5-BZ#110	MG/KG	0.0026	0.0017	0.0036	0.0026	0.0067
Cl5-BZ#114	MG/KG	0.00055	0.00043	0.00069	0.00067	0.00090
Cl5-BZ#118	MG/KG	0.0027	0.0029	0.0061	0.0027	0.011
Cl5-BZ#119	MG/KG	0.00035 J	0.00031 J	0.00045	0.00071	0.00073
Cl5-BZ#121/#95/#88	MG/KG	0.00075 J	0.00066 J	0.0012	0.00079 J	0.0016
Cl5-BZ#124	MG/KG	0.00036 U	0.00035 U	0.00026 J	0.00038 U	0.00032 J
Cl5-BZ#126	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl6-BZ#128	MG/KG	0.0018	0.0014	0.0021	0.0019	0.0045
Cl6-BZ#129/#158	MG/KG	0.00062 J	0.00053 J	0.00095	0.0011	0.0022
Cl6-BZ#130/#164	MG/KG	0.00085	0.00083	0.0011	0.00070 J	0.0022
Cl6-BZ#131	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl6-BZ#132	MG/KG	0.00047	0.00037	0.00062	0.00047	0.0014
Cl6-BZ#134	MG/KG	0.00035 J	0.00032 J	0.00032 J	0.00024 J	0.00061
Cl6-BZ#135	MG/KG	0.00036	0.00038	0.00066	0.00032 J	0.00098
Cl6-BZ#136	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00021 J
Cl6-BZ#137	MG/KG	0.00042	0.00033 J	0.00051	0.00055	0.00099
Cl6-BZ#138	MG/KG	0.0053	0.0044	0.0069	0.0066	0.016
Cl6-BZ#141	MG/KG	0.00035 J	0.00035 J	0.00036	0.00038 U	0.00069
Cl6-BZ#144	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00021 J
Cl6-BZ#146	MG/KG	0.0026	0.0035	0.0039	0.0028	0.0070
Cl6-BZ#147/#149	MG/KG	0.0025	0.0021	0.0035	0.0024	0.010
Cl6-BZ#151	MG/KG	0.00051	0.00062	0.00098	0.00041	0.0013

	Sample#	NBH21-SF-A-3	NBH21-SF-B-3	NBH21-SF-C-3	NBH21-SF-D-3	NBH21-SF-E-3
	Species	Conch	Conch	Conch	Conch	Conch
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	3	3	3	3	3
	Station	Q3-Station A	Q3-Station B	Q3-Station C	Q3-Station D	Q3-Station E
	Sample Date	11/1/2021	11/4/2021	11/1/2021	11/1/2021	11/4/2021
Parameter	Units					
Cl6-BZ#153	MG/KG	0.012	0.011	0.015	0.016	0.036
Cl6-BZ#154	MG/KG	0.00031 J	0.00030 J	0.00037	0.00058	0.00063
Cl6-BZ#155	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl6-BZ#156	MG/KG	0.0013	0.0014	0.0018	0.0014	0.0019
Cl6-BZ#157	MG/KG	0.00046	0.00060	0.00053	0.00044	0.00078
Cl6-BZ#163/#160	MG/KG	0.0028	0.0034	0.0049	0.0028	0.0068
Cl6-BZ#167	MG/KG	0.00056	0.00071	0.00078	0.00047	0.0012
Cl6-BZ#168	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl6-BZ#169	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#170	MG/KG	0.0011	0.0013	0.0014	0.0012	0.0017
Cl7-BZ#171	MG/KG	0.00036 U	0.00035 U	0.00038	0.00038 J	0.00048
Cl7-BZ#172	MG/KG	0.00036 U	0.00055	0.00035	0.00038 U	0.00034 J
Cl7-BZ#173	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#174	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00053
Cl7-BZ#176	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#177	MG/KG	0.00049	0.00056	0.00071	0.00060	0.00087
Cl7-BZ#178	MG/KG	0.00034 J	0.00068	0.00056	0.00045	0.00066
Cl7-BZ#180	MG/KG	0.0016	0.0019	0.0018	0.0016	0.0029
Cl7-BZ#182/#175	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl7-BZ#183	MG/KG	0.00071	0.00061	0.00062	0.00089	0.0014
Cl7-BZ#184	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#185	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#187	MG/KG	0.0019	0.0024	0.0026	0.0019	0.0039
Cl7-BZ#188	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#189	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#190	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#191	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl7-BZ#193	MG/KG	0.00039	0.00038	0.00034 U	0.00038 U	0.00037 U
Cl8-BZ#194	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00033 J
Cl8-BZ#195	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl8-BZ#196	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00019 J
Cl8-BZ#197	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl8-BZ#199	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl8-BZ#201	MG/KG	0.00036 U	0.00082	0.00035	0.00029 J	0.00045
Cl8-BZ#202	MG/KG	0.00021 J	0.00039	0.00024 J	0.00025 J	0.00030 J
Cl8-BZ#203	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl8-BZ#204/#200	MG/KG	0.00071 U	0.00070 U	0.00068 U	0.00076 U	0.00075 U
Cl8-BZ#205	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl9-BZ#206	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl9-BZ#207	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl9-BZ#208	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U
Cl10-BZ#209	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00038 U	0.00037 U

Parameter	Units	Sample#	NBH21-SF-A-1	NBH21-SF-B-1	NBH21-SF-C-1	NBH21-SF-D-1	NBH21-SF-E-1
		Species	Quahog	Quahog	Quahog	Quahog	Quahog
		Species Type	TIS	TIS	TIS	TIS	TIS
		Area	1	1	1	1	1
		Station	Q1-Station A	Q1-Station B	Q1-Station C	Q1-Station D	Q1-Station E
		Sample Date	5/6/2021	5/6/2021	5/6/2021	5/6/2021	5/6/2021
Lipids	PERCENT		0.74	0.79	0.63	0.74	1.4
Total PCB Congeners[1]	MG/KG		0.40 J3	0.27 J3	0.37 J3	0.54 J3	0.60 J4
Total PCB Congeners Hits[2]	MG/KG		0.39	0.27	0.36	0.54	0.59
Total NOAA Congeners[3]	MG/KG		0.14 J4	0.095 J4	0.13 J4	0.19 J4	0.21 J4
Total WHO Congeners[4]	MG/KG		0.028 J3	0.019 J3	0.029 J3	0.039 J3	0.039 J3
Total NOAA / WHO Combined[5]	MG/KG		0.15 J4	0.10 J3	0.14 J4	0.20 J4	0.22 J4
Cl1-BZ#1	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl1-BZ#3	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl2-BZ#4/#10	MG/KG		0.00039 J	0.00074 U	0.00078 U	0.00046 J	0.00042 J
Cl2-BZ#5	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl2-BZ#6	MG/KG		0.00097	0.00066	0.00078	0.0014	0.0015
Cl2-BZ#7	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl2-BZ#8	MG/KG		0.0011	0.00063	0.00085	0.0014	0.0014
Cl2-BZ#12	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl2-BZ#13	MG/KG		0.00083	0.00053 J	0.00066 J	0.0012	0.0011
Cl2-BZ#15	MG/KG		0.00068	0.00063	0.00077	0.0012	0.00097
Cl3-BZ#16	MG/KG		0.00061	0.00048	0.00047	0.00057	0.00077
Cl3-BZ#17	MG/KG		0.0027	0.0017	0.0023	0.0038	0.0041
Cl3-BZ#18	MG/KG		0.0049	0.0032	0.0041	0.0068	0.0075
Cl3-BZ#19	MG/KG		0.00042	0.00021 J	0.00034 J	0.00052	0.00060
Cl3-BZ#21/#20	MG/KG		0.00094	0.00057 J	0.00065 J	0.0012	0.0013
Cl3-BZ#22	MG/KG		0.0022	0.0015	0.0019	0.0031	0.0030
Cl3-BZ#24	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl3-BZ#25	MG/KG		0.0088	0.0036	0.0082	0.011	0.013
Cl3-BZ#26	MG/KG		0.011	0.0079	0.0095	0.017	0.018
Cl3-BZ#27	MG/KG		0.0010	0.00071	0.00080	0.0016	0.0017
Cl3-BZ#28	MG/KG		0.015	0.011	0.014	0.023	0.022
Cl3-BZ#29	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl3-BZ#31	MG/KG		0.016	0.011	0.014	0.023	0.024
Cl3-BZ#32	MG/KG		0.0021	0.0014	0.0018	0.0030	0.0033
Cl3-BZ#33	MG/KG		0.0012	0.00076	0.0011	0.0013	0.0017
Cl3-BZ#37	MG/KG		0.0013	0.00096	0.0011	0.0017	0.0017
Cl4-BZ#40	MG/KG		0.0010	0.00076	0.0011	0.0013	0.0014
Cl4-BZ#41	MG/KG		0.00030 J	0.00037 U	0.00024 J	0.00020 J	0.00027 J
Cl4-BZ#42	MG/KG		0.0034	0.0024	0.0030	0.0046	0.0051
Cl4-BZ#43	MG/KG		0.00028 J	0.00031 J	0.00026 J	0.00054	0.00044
Cl4-BZ#44	MG/KG		0.0072	0.0050	0.0064	0.0094	0.011
Cl4-BZ#45	MG/KG		0.00070	0.00038	0.00062	0.00092	0.0011
Cl4-BZ#47	MG/KG		0.0095	0.0072	0.0086	0.015	0.016
Cl4-BZ#48	MG/KG		0.0011	0.00074	0.00089	0.0013	0.0015
Cl4-BZ#49	MG/KG		0.025	0.019	0.024	0.039	0.044
Cl4-BZ#50	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl4-BZ#51	MG/KG		0.00082	0.00057	0.00080	0.0014	0.0014
Cl4-BZ#52	MG/KG		0.029	0.020	0.025	0.039	0.046
Cl4-BZ#53	MG/KG		0.0022	0.0017	0.0020	0.0034	0.0040
Cl4-BZ#54	MG/KG		0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U

	Sample#	NBH21-SF-A-1	NBH21-SF-B-1	NBH21-SF-C-1	NBH21-SF-D-1	NBH21-SF-E-1
	Species	Quahog	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	1	1	1	1	1
	Station	Q1-Station A	Q1-Station B	Q1-Station C	Q1-Station D	Q1-Station E
	Sample Date	5/6/2021	5/6/2021	5/6/2021	5/6/2021	5/6/2021
Parameter	Units					
Cl4-BZ#56	MG/KG	0.0029	0.0018	0.0027	0.0035	0.0039
Cl4-BZ#60	MG/KG	0.0017	0.00094	0.0015	0.0022	0.0021
Cl4-BZ#63	MG/KG	0.0011	0.00082	0.0010	0.0016	0.0016
Cl4-BZ#66	MG/KG	0.0096	0.0066	0.0092	0.013	0.013
Cl4-BZ#68/#64	MG/KG	0.0068	0.0047	0.0061	0.0095	0.011
Cl4-BZ#70	MG/KG	0.0079	0.0049	0.0070	0.0094	0.010
Cl4-BZ#71	MG/KG	0.0036	0.0026	0.0032	0.0050	0.0058
Cl4-BZ#73/#46	MG/KG	0.00055 J	0.00074 U	0.00054 J	0.00069 J	0.00089
Cl4-BZ#74	MG/KG	0.0065	0.0043	0.0058	0.0088	0.0091
Cl4-BZ#76	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl4-BZ#77	MG/KG	0.00090	0.00060	0.00085	0.0013	0.0012
Cl4-BZ#81	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl5-BZ#82	MG/KG	0.0010	0.00070	0.00096	0.0010	0.0011
Cl5-BZ#83/#125/#112	MG/KG	0.00084 J	0.00067 J	0.00094 J	0.0011	0.0016
Cl5-BZ#85	MG/KG	0.0021	0.0013	0.0017	0.0025	0.0023
Cl5-BZ#87/#111	MG/KG	0.0029	0.0016	0.0024	0.0029	0.0029
Cl5-BZ#89/#84	MG/KG	0.0028	0.0020	0.0023	0.0032	0.0042
Cl5-BZ#91	MG/KG	0.0049	0.0035	0.0048	0.0072	0.0090
Cl5-BZ#92	MG/KG	0.0056	0.0038	0.0051	0.0074	0.0089
Cl5-BZ#97	MG/KG	0.0053	0.0034	0.0052	0.0067	0.0073
Cl5-BZ#99	MG/KG	0.016	0.011	0.015	0.022	0.025
Cl5-BZ#100	MG/KG	0.00064	0.00048	0.00059	0.0010	0.0013
Cl5-BZ#101/#90	MG/KG	0.022	0.015	0.022	0.028	0.033
Cl5-BZ#104	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl5-BZ#105	MG/KG	0.0035	0.0021	0.0032	0.0043	0.0039
Cl5-BZ#107/#123	MG/KG	0.0026	0.0019	0.0022	0.0035	0.0034
Cl5-BZ#110	MG/KG	0.020	0.013	0.020	0.027	0.029
Cl5-BZ#114	MG/KG	0.00079	0.00049	0.00065	0.00090	0.0011
Cl5-BZ#118	MG/KG	0.017	0.012	0.018	0.024	0.025
Cl5-BZ#119	MG/KG	0.0017	0.0014	0.0018	0.0027	0.0033
Cl5-BZ#121/#95/#88	MG/KG	0.0094	0.0063	0.0085	0.011	0.015
Cl5-BZ#124	MG/KG	0.00063	0.00037 J	0.00075	0.00084	0.00095
Cl5-BZ#126	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl6-BZ#128	MG/KG	0.0022 J	0.0010	0.0017	0.0024	0.0024
Cl6-BZ#129/#158	MG/KG	0.0016	0.00083	0.0011	0.0021	0.0023
Cl6-BZ#130/#164	MG/KG	0.0027	0.0018	0.0026	0.0034	0.0034
Cl6-BZ#131	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00026 J	0.00027 J
Cl6-BZ#132	MG/KG	0.0037	0.0026	0.0035	0.0040	0.0036
Cl6-BZ#134	MG/KG	0.00072	0.00041	0.00064	0.00091	0.0011
Cl6-BZ#135	MG/KG	0.0024	0.0018	0.0023	0.0032	0.0038
Cl6-BZ#136	MG/KG	0.0013	0.00096	0.0013	0.0016	0.0021
Cl6-BZ#137	MG/KG	0.0015 J	0.00084	0.0012	0.0017	0.0018
Cl6-BZ#138	MG/KG	0.0055	0.0029	0.0044	0.0067	0.0070
Cl6-BZ#141	MG/KG	0.0013	0.00073	0.0013	0.0015	0.0019
Cl6-BZ#144	MG/KG	0.00031 J	0.00037 U	0.00023 J	0.00029 J	0.00040
Cl6-BZ#146	MG/KG	0.0040	0.0027	0.0035	0.0050	0.0055
Cl6-BZ#147/#149	MG/KG	0.014	0.0092	0.013	0.019	0.021
Cl6-BZ#151	MG/KG	0.0015	0.00077	0.0014	0.0019	0.0023

	Sample#	NBH21-SF-A-1	NBH21-SF-B-1	NBH21-SF-C-1	NBH21-SF-D-1	NBH21-SF-E-1
	Species	Quahog	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS	TIS
	Area	1	1	1	1	1
	Station	Q1-Station A	Q1-Station B	Q1-Station C	Q1-Station D	Q1-Station E
	Sample Date	5/6/2021	5/6/2021	5/6/2021	5/6/2021	5/6/2021
Parameter	Units					
Cl6-BZ#153	MG/KG	0.017	0.012	0.016	0.023	0.025
Cl6-BZ#154	MG/KG	0.00071	0.00056	0.00065	0.0011	0.0014
Cl6-BZ#155	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl6-BZ#156	MG/KG	0.0016	0.00098	0.0017	0.0021	0.0023
Cl6-BZ#157	MG/KG	0.00050	0.00030 J	0.00052	0.00067	0.00074
Cl6-BZ#163/#160	MG/KG	0.0067	0.0046	0.0066	0.0090	0.0097
Cl6-BZ#167	MG/KG	0.00092 J	0.00064	0.00091	0.0012	0.0014
Cl6-BZ#168	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl6-BZ#169	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#170	MG/KG	0.00094	0.00048	0.00079	0.0011	0.0015
Cl7-BZ#171	MG/KG	0.00024 J	0.00022 J	0.00028 J	0.00037	0.00043
Cl7-BZ#172	MG/KG	0.00047	0.00031 J	0.00042	0.00059	0.00052
Cl7-BZ#173	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#174	MG/KG	0.00083	0.00052	0.00083	0.00092	0.0011
Cl7-BZ#176	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00019 J
Cl7-BZ#177	MG/KG	0.0010	0.00070	0.00087	0.0011	0.0013
Cl7-BZ#178	MG/KG	0.00048	0.00030 J	0.00047	0.00050	0.00064
Cl7-BZ#180	MG/KG	0.0024	0.0016	0.0024	0.0030	0.0038
Cl7-BZ#182/#175	MG/KG	0.00077 U	0.00074 U	0.00078 U	0.00071 U	0.00074 U
Cl7-BZ#183	MG/KG	0.00058	0.00036 J	0.00055	0.00073	0.00095
Cl7-BZ#184	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#185	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#187	MG/KG	0.0025	0.0017	0.0024	0.0032	0.0040
Cl7-BZ#188	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#189	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#190	MG/KG	0.00027 J	0.00037 U	0.00023 J	0.00028 J	0.00043
Cl7-BZ#191	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl7-BZ#193	MG/KG	0.00021 J	0.00037 U	0.00024 J	0.00027 J	0.00031 J
Cl8-BZ#194	MG/KG	0.00029 J	0.00030 J	0.00030 J	0.00067	0.00071
Cl8-BZ#195	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl8-BZ#196	MG/KG	0.00039 U	0.00037 U	0.00022 J	0.00020 J	0.00043
Cl8-BZ#197	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl8-BZ#199	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl8-BZ#201	MG/KG	0.00049	0.00028 J	0.00045	0.00056	0.00075
Cl8-BZ#202	MG/KG	0.00021 J	0.00037 U	0.00039 U	0.00021 J	0.00026 J
Cl8-BZ#203	MG/KG	0.00039 U	0.00037 U	0.00028 J	0.00023 J	0.00028 J
Cl8-BZ#204/#200	MG/KG	0.00077 U	0.00074 U	0.00078 U	0.00071 U	0.00074 U
Cl8-BZ#205	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl9-BZ#206	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00044
Cl9-BZ#207	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U
Cl9-BZ#208	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00074
Cl10-BZ#209	MG/KG	0.00039 U	0.00037 U	0.00039 U	0.00036 U	0.00037 U

Parameter	Units	Sample#	NBH21-SF-B-2	NBH21-SF-C-2	NBH21-SF-D-2	NBH21-SF-F-2	NBH21-SF-G-2	NBH21-SF-H-2
		Species	Quahog	Quahog	Quahog	Quahog	Quahog	Quahog
		Species Type	TIS	TIS	TIS	TIS	TIS	TIS
		Area	2	2	2	2	2	2
		Station	Q2-Station B	Q2-Station C	Q2-Station D	Q2-Station F	Q2-Station G	Q2-Station H
		Sample Date	5/20/2021	5/21/2021	5/21/2021	5/21/2021	5/20/2021	5/21/2021
Lipids	PERCENT		0.48	0.75	1.0	0.78	0.81	0.76
Total PCB Congeners[1]	MG/KG		0.055 J2	0.097 J2	0.090 J2	0.054 J2	0.051 J2	0.077 J2
Total PCB Congeners Hits[2]	MG/KG		0.038	0.086	0.080	0.037	0.030	0.062
Total NOAA Congeners[3]	MG/KG		0.016 J3	0.031 J3	0.029 J3	0.016 J3	0.012 J3	0.025 J3
Total WHO Congeners[4]	MG/KG		0.0047 J2	0.0075 J2	0.0066 J2	0.0042 J2	0.004 J1	0.0058 J2
Total NOAA / WHO Combined[5]	MG/KG		0.018 J2	0.034 J3	0.032 J3	0.018 J2	0.014 J2	0.027 J3
Cl1-BZ#1	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl1-BZ#3	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl2-BZ#4/#10	MG/KG		0.00071 U	0.00078 U	0.00070 U	0.00070 U	0.00077 U	0.00073 U
Cl2-BZ#5	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl2-BZ#6	MG/KG		0.00035 U	0.00025 J	0.00018 J	0.00035 U	0.00039 U	0.00037 U
Cl2-BZ#7	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl2-BZ#8	MG/KG		0.00035 U	0.00033 J	0.00019 J	0.00020 J	0.00039 U	0.00020 J
Cl2-BZ#12	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl2-BZ#13	MG/KG		0.00071 U	0.00078 U	0.00070 U	0.00070 U	0.00077 U	0.00073 U
Cl2-BZ#15	MG/KG		0.00035 U	0.00024 J	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#16	MG/KG		0.00035 U	0.00024 J	0.00018 J	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#17	MG/KG		0.00035 U	0.00056	0.00036	0.00035 U	0.00039 U	0.00032 J
Cl3-BZ#18	MG/KG		0.00025 J	0.0011	0.00084	0.00033 J	0.00039 U	0.00064
Cl3-BZ#19	MG/KG		0.00035 U	0.00021 J	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#21/#20	MG/KG		0.00071 U	0.00078 U	0.00070 U	0.00070 U	0.00077 U	0.00073 U
Cl3-BZ#22	MG/KG		0.00018 J	0.00041	0.00037	0.00024 J	0.00039 U	0.00029 J
Cl3-BZ#24	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#25	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.0021	0.00037 U
Cl3-BZ#26	MG/KG		0.00049	0.0019	0.0017	0.00082	0.00030 J	0.0013
Cl3-BZ#27	MG/KG		0.00035 U	0.00029 J	0.00023 J	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#28	MG/KG		0.00060	0.0024	0.0021	0.0010	0.00035 J	0.0015
Cl3-BZ#29	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#31	MG/KG		0.00076	0.0027	0.0024	0.0011	0.00043	0.0017
Cl3-BZ#32	MG/KG		0.00035 U	0.00046	0.00033 J	0.00035 U	0.00039 U	0.00020 J
Cl3-BZ#33	MG/KG		0.00035 U	0.00035 J	0.00030 J	0.00035 U	0.00039 U	0.00037 U
Cl3-BZ#37	MG/KG		0.00035 U	0.00041	0.00030 J	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#40	MG/KG		0.00035 U	0.00030 J	0.00025 J	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#41	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#42	MG/KG		0.00027 J	0.00072	0.00066	0.00029 J	0.00039 U	0.00038
Cl4-BZ#43	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#44	MG/KG		0.00052	0.0014	0.0014	0.00065	0.00029 J	0.00099
Cl4-BZ#45	MG/KG		0.00035 U	0.00025 J	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#47	MG/KG		0.00069	0.0018	0.0017	0.00088	0.00037 J	0.0012
Cl4-BZ#48	MG/KG		0.00035 U	0.00027 J	0.00030 J	0.00035 U	0.00083	0.00037 U
Cl4-BZ#49	MG/KG		0.0016	0.0051	0.0044	0.0023	0.0011	0.0036
Cl4-BZ#50	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#51	MG/KG		0.00035 U	0.00024 J	0.00019 J	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#52	MG/KG		0.0019	0.0062	0.0056	0.0028	0.0013	0.0044
Cl4-BZ#53	MG/KG		0.00035 U	0.00066	0.00040	0.00035 U	0.00039 U	0.00028 J
Cl4-BZ#54	MG/KG		0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U

	Sample#	NBH21-SF-B-2	NBH21-SF-C-2	NBH21-SF-D-2	NBH21-SF-F-2	NBH21-SF-G-2	NBH21-SF-H-2
	Species	Quahog	Quahog	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS	TIS	TIS
	Area	2	2	2	2	2	2
	Station	Q2-Station B	Q2-Station C	Q2-Station D	Q2-Station F	Q2-Station G	Q2-Station H
	Sample Date	5/20/2021	5/21/2021	5/21/2021	5/21/2021	5/20/2021	5/21/2021
Parameter	Units						
Cl4-BZ#56	MG/KG	0.00025 J	0.00059	0.00047	0.00027 J	0.00019 J	0.00038
Cl4-BZ#60	MG/KG	0.00035 U	0.00028 J	0.00025 J	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#63	MG/KG	0.00035 U	0.00025 J	0.00022 J	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#66	MG/KG	0.00091	0.0017	0.0017	0.00086	0.00053	0.0013
Cl4-BZ#68/#64	MG/KG	0.00054 J	0.0013	0.0011	0.00055 J	0.00077 U	0.0010
Cl4-BZ#70	MG/KG	0.00066	0.0013	0.0013	0.00069	0.00043	0.0010
Cl4-BZ#71	MG/KG	0.00028 J	0.00079	0.00072	0.00040	0.00039 U	0.00050
Cl4-BZ#73/#46	MG/KG	0.00071 U	0.00078 U	0.00070 U	0.00070 U	0.00077 U	0.00073 U
Cl4-BZ#74	MG/KG	0.00041	0.0011	0.00097	0.00051	0.00029 J	0.00073
Cl4-BZ#76	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#77	MG/KG	0.00035 U	0.00024 J	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl4-BZ#81	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl5-BZ#82	MG/KG	0.00035 U	0.00029 J	0.00024 J	0.00035 U	0.00039 U	0.00037 U
Cl5-BZ#83/#125/#112	MG/KG	0.0011 U	0.0012 U	0.00053 J	0.0010 U	0.0012 U	0.0011 U
Cl5-BZ#85	MG/KG	0.00033 J	0.00056	0.00049	0.00026 J	0.00022 J	0.00044
Cl5-BZ#87/#111	MG/KG	0.00071 U	0.00076 J	0.00065 J	0.00070 U	0.00077 U	0.00043 J
Cl5-BZ#89/#84	MG/KG	0.00059 J	0.00079	0.00075	0.00047 J	0.0028	0.00066 J
Cl5-BZ#91	MG/KG	0.00051	0.0012	0.0011	0.00053	0.00036 J	0.00079
Cl5-BZ#92	MG/KG	0.00082	0.0015	0.0015	0.00084	0.00053	0.0013
Cl5-BZ#97	MG/KG	0.00061	0.0011	0.0011	0.00063	0.00055	0.00097
Cl5-BZ#99	MG/KG	0.0021	0.0034	0.0036	0.0019	0.0014	0.0030
Cl5-BZ#100	MG/KG	0.00035 U	0.00026 J	0.00027 J	0.00035 U	0.00039 U	0.00037 U
Cl5-BZ#101/#90	MG/KG	0.0029	0.0048	0.0050	0.0027	0.0026	0.0045
Cl5-BZ#104	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl5-BZ#105	MG/KG	0.00038	0.00085	0.00063	0.00029 J	0.00030 J	0.00052
Cl5-BZ#107/#123	MG/KG	0.00042 J	0.00075 J	0.00075	0.00041 J	0.00077 U	0.00062 J
Cl5-BZ#110	MG/KG	0.0024	0.0042	0.0041	0.0020	0.0015	0.0035
Cl5-BZ#114	MG/KG	0.00035 U	0.00025 J	0.00022 J	0.00035 U	0.00039 U	0.00037 U
Cl5-BZ#118	MG/KG	0.0022	0.0036	0.0034	0.0019	0.0016	0.0029
Cl5-BZ#119	MG/KG	0.00026 J	0.00060	0.00051	0.00024 J	0.00039 U	0.00035 J
Cl5-BZ#121/#95/#88	MG/KG	0.0011	0.0024	0.0023	0.0013	0.00077 J	0.0018
Cl5-BZ#124	MG/KG	0.00035 U	0.00024 J	0.00026 J	0.00035 U	0.00039 U	0.00037 U
Cl5-BZ#126	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl6-BZ#128	MG/KG	0.00039	0.00056	0.00047	0.00027 J	0.00033 J	0.00048
Cl6-BZ#129/#158	MG/KG	0.00071 U	0.00044 J	0.00038 J	0.00070 U	0.00077 U	0.00073 U
Cl6-BZ#130/#164	MG/KG	0.00048 J	0.00090	0.00072	0.00070 U	0.00077 U	0.00066 J
Cl6-BZ#131	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl6-BZ#132	MG/KG	0.00074	0.00096	0.0010	0.00045	0.00041	0.00085
Cl6-BZ#134	MG/KG	0.00035 U	0.00024 J	0.00025 J	0.00035 U	0.00039 U	0.00018 J
Cl6-BZ#135	MG/KG	0.00046	0.00071	0.00076	0.00041	0.00036 J	0.00072
Cl6-BZ#136	MG/KG	0.00035 U	0.00048	0.00037	0.00018 J	0.00039 U	0.00028 J
Cl6-BZ#137	MG/KG	0.00035 U	0.00033 J	0.00033 J	0.00035 U	0.00039 U	0.00026 J
Cl6-BZ#138	MG/KG	0.0010	0.0014	0.0013	0.00063	0.00071	0.0012
Cl6-BZ#141	MG/KG	0.00035 U	0.00035 J	0.00031 J	0.00035 U	0.00039 U	0.00027 J
Cl6-BZ#144	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl6-BZ#146	MG/KG	0.00076	0.0011	0.0012	0.00079	0.00061	0.0011
Cl6-BZ#147/#149	MG/KG	0.0020	0.0033	0.0033	0.0017	0.0013	0.0028
Cl6-BZ#151	MG/KG	0.00024 J	0.00043	0.00042	0.00021 J	0.00033 J	0.00029 J

	Sample#	NBH21-SF-B-2	NBH21-SF-C-2	NBH21-SF-D-2	NBH21-SF-F-2	NBH21-SF-G-2	NBH21-SF-H-2
	Species	Quahog	Quahog	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS	TIS	TIS
	Area	2	2	2	2	2	2
	Station	Q2-Station B	Q2-Station C	Q2-Station D	Q2-Station F	Q2-Station G	Q2-Station H
	Sample Date	5/20/2021	5/21/2021	5/21/2021	5/21/2021	5/20/2021	5/21/2021
Parameter	Units						
Cl6-BZ#153	MG/KG	0.0032	0.0042	0.0045	0.0026	0.0020	0.0042
Cl6-BZ#154	MG/KG	0.00035 U	0.00028 J	0.00028 J	0.00035 U	0.00039 U	0.00020 J
Cl6-BZ#155	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl6-BZ#156	MG/KG	0.00027 J	0.00050	0.00037	0.00018 J	0.00039 U	0.00033 J
Cl6-BZ#157	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl6-BZ#163/#160	MG/KG	0.0014	0.0020	0.0019	0.0011	0.00092	0.0017
Cl6-BZ#167	MG/KG	0.00035 U	0.00031 J	0.00024 J	0.00035 U	0.00039 U	0.00019 J
Cl6-BZ#168	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.0018	0.00037 U
Cl6-BZ#169	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#170	MG/KG	0.00027 J	0.00026 J	0.00028 J	0.00035 U	0.00039 U	0.00024 J
Cl7-BZ#171	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#172	MG/KG	0.00035 U	0.00026 J	0.00028 J	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#173	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#174	MG/KG	0.00021 J	0.00027 J	0.00028 J	0.00035 U	0.00039 U	0.00023 J
Cl7-BZ#176	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#177	MG/KG	0.00035 J	0.00043	0.00033 J	0.00022 J	0.00039 U	0.00025 J
Cl7-BZ#178	MG/KG	0.00035 U	0.00025 J	0.00023 J	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#180	MG/KG	0.00052	0.00073	0.00061	0.00036	0.00027 J	0.00053
Cl7-BZ#182/#175	MG/KG	0.00071 U	0.00078 U	0.00070 U	0.00070 U	0.00077 U	0.00073 U
Cl7-BZ#183	MG/KG	0.00035 U	0.00028 J	0.00019 J	0.00035 U	0.00039 U	0.00022 J
Cl7-BZ#184	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#185	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#187	MG/KG	0.00062	0.00085	0.00073	0.00048	0.00045	0.00073
Cl7-BZ#188	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#189	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#190	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#191	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl7-BZ#193	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#194	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#195	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#196	MG/KG	0.00035 U	0.00039 U	0.00039	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#197	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#199	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#201	MG/KG	0.00035 U	0.00025 J	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#202	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#203	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl8-BZ#204/#200	MG/KG	0.00071 U	0.00078 U	0.00070 U	0.00070 U	0.00077 U	0.00073 U
Cl8-BZ#205	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl9-BZ#206	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl9-BZ#207	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl9-BZ#208	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U
Cl10-BZ#209	MG/KG	0.00035 U	0.00039 U	0.00035 U	0.00035 U	0.00039 U	0.00037 U

	Sample#	NBH21-SF-B-3	NBH21-SF-D-3	NBH21-SF-I-3	NBH21-SF-J-3
	Species	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS
	Area	3	3	3	3
	Station	Q3-Station B	Q3-Station D	Q3-Station I	Q3-Station J
	Sample Date	5/20/2021	5/21/2021	5/20/2021	5/20/2021
Parameter	Units				
Lipids	PERCENT	1.2	1.5	0.63	1.4
Total PCB Congeners[1]	MG/KG	0.056 J2	0.047 J2	0.033 J1	0.031 J1
Total PCB Congeners Hits[2]	MG/KG	0.039	0.029	0.013	0.0047
Total NOAA Congeners[3]	MG/KG	0.018 J3	0.013 J3	0.0068 J2	0.0050 J1
Total WHO Congeners[4]	MG/KG	0.0052 J2	0.0038 J2	0.0028 J1	0.0028 J1
Total NOAA / WHO Combined[5]	MG/KG	0.020 J2	0.015 J2	0.0086 J2	0.0072 J1
Cl1-BZ#1	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl1-BZ#3	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl2-BZ#4/#10	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl2-BZ#5	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl2-BZ#6	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl2-BZ#7	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl2-BZ#8	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl2-BZ#12	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl2-BZ#13	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl2-BZ#15	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#16	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#17	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#18	MG/KG	0.00020 J	0.00020 J	0.00034 U	0.00039 U
Cl3-BZ#19	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#21/#20	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl3-BZ#22	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#24	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#25	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#26	MG/KG	0.00036 J	0.00046	0.00021 J	0.00039 U
Cl3-BZ#27	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#28	MG/KG	0.00076	0.00044	0.00030 J	0.00039 U
Cl3-BZ#29	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#31	MG/KG	0.00059	0.00068	0.00032 J	0.00039 U
Cl3-BZ#32	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#33	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl3-BZ#37	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#40	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#41	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#42	MG/KG	0.00027 J	0.00029 J	0.00034 U	0.00039 U
Cl4-BZ#43	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#44	MG/KG	0.00062	0.00047	0.00022 J	0.00039 U
Cl4-BZ#45	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#47	MG/KG	0.00062	0.00060	0.00027 J	0.00039 U
Cl4-BZ#48	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#49	MG/KG	0.0014	0.0015	0.00071	0.00037 J
Cl4-BZ#50	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#51	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#52	MG/KG	0.0018	0.0017	0.00082	0.00043
Cl4-BZ#53	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#54	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U

	Sample#	NBH21-SF-B-3	NBH21-SF-D-3	NBH21-SF-I-3	NBH21-SF-J-3
	Species	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS
	Area	3	3	3	3
	Station	Q3-Station B	Q3-Station D	Q3-Station I	Q3-Station J
	Sample Date	5/20/2021	5/21/2021	5/20/2021	5/20/2021
Parameter	Units				
Cl4-BZ#56	MG/KG	0.00026 J	0.00021 J	0.00034 U	0.00039 U
Cl4-BZ#60	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#63	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#66	MG/KG	0.0010	0.00073	0.00033 J	0.00039 U
Cl4-BZ#68/#64	MG/KG	0.00044 J	0.00039 J	0.00068 U	0.00078 U
Cl4-BZ#70	MG/KG	0.00068	0.00052	0.00026 J	0.00039 U
Cl4-BZ#71	MG/KG	0.00025 J	0.00027 J	0.00034 U	0.00039 U
Cl4-BZ#73/#46	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl4-BZ#74	MG/KG	0.00044	0.00029 J	0.00018 J	0.00039 U
Cl4-BZ#76	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#77	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl4-BZ#81	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#82	MG/KG	0.00020 J	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#83/#125/#112	MG/KG	0.0011 U	0.0011 U	0.0010 U	0.0012 U
Cl5-BZ#85	MG/KG	0.00044	0.00025 J	0.00034 U	0.00039 U
Cl5-BZ#87/#111	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl5-BZ#89/#84	MG/KG	0.00055 J	0.00036 J	0.00068 U	0.00078 U
Cl5-BZ#91	MG/KG	0.00042	0.00043	0.00024 J	0.00039 U
Cl5-BZ#92	MG/KG	0.00078	0.00067	0.00035	0.00021 J
Cl5-BZ#97	MG/KG	0.00068	0.00054	0.00022 J	0.00039 U
Cl5-BZ#99	MG/KG	0.0022	0.0017	0.00075	0.00049
Cl5-BZ#100	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#101/#90	MG/KG	0.0030	0.0022	0.0012	0.00059 J
Cl5-BZ#104	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#105	MG/KG	0.00056	0.00034 J	0.00034 U	0.00039 U
Cl5-BZ#107/#123	MG/KG	0.00052 J	0.00039 J	0.00068 U	0.00078 U
Cl5-BZ#110	MG/KG	0.0023	0.0016	0.00092	0.00044
Cl5-BZ#114	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#118	MG/KG	0.0024	0.0015	0.00071	0.00048
Cl5-BZ#119	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#121/#95/#88	MG/KG	0.0012	0.00086 J	0.0010 U	0.0012 U
Cl5-BZ#124	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl5-BZ#126	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#128	MG/KG	0.00049	0.00026 J	0.00034 U	0.00039 U
Cl6-BZ#129/#158	MG/KG	0.00038 J	0.00070 U	0.00068 U	0.00078 U
Cl6-BZ#130/#164	MG/KG	0.00058 J	0.00038 J	0.00068 U	0.00078 U
Cl6-BZ#131	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#132	MG/KG	0.00078	0.00053	0.00030 J	0.00039 U
Cl6-BZ#134	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#135	MG/KG	0.00047	0.00035	0.00030 J	0.00039 U
Cl6-BZ#136	MG/KG	0.00023 J	0.00020 J	0.00034 U	0.00039 U
Cl6-BZ#137	MG/KG	0.00019 J	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#138	MG/KG	0.0012	0.00072	0.00034 J	0.00023 J
Cl6-BZ#141	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#144	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#146	MG/KG	0.0010	0.00069	0.00042	0.00025 J
Cl6-BZ#147/#149	MG/KG	0.0019	0.0016	0.00069	0.00078 U
Cl6-BZ#151	MG/KG	0.00021 J	0.00035 U	0.00034 U	0.00039 U

	Sample#	NBH21-SF-B-3	NBH21-SF-D-3	NBH21-SF-I-3	NBH21-SF-J-3
	Species	Quahog	Quahog	Quahog	Quahog
	Species Type	TIS	TIS	TIS	TIS
	Area	3	3	3	3
	Station	Q3-Station B	Q3-Station D	Q3-Station I	Q3-Station J
	Sample Date	5/20/2021	5/21/2021	5/20/2021	5/20/2021
Parameter	Units				
Cl6-BZ#153	MG/KG	0.0035	0.0028	0.0011	0.00073
Cl6-BZ#154	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#155	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#156	MG/KG	0.00028 J	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#157	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#163/#160	MG/KG	0.0015	0.0012	0.00074	0.00043 J
Cl6-BZ#167	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#168	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl6-BZ#169	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#170	MG/KG	0.00022 J	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#171	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#172	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#173	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#174	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#176	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#177	MG/KG	0.00032 J	0.00023 J	0.00023 J	0.00039 U
Cl7-BZ#178	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#180	MG/KG	0.00052	0.00033 J	0.00020 J	0.00039 U
Cl7-BZ#182/#175	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl7-BZ#183	MG/KG	0.00018 J	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#184	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#185	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#187	MG/KG	0.00060	0.00044	0.00024 J	0.00039 U
Cl7-BZ#188	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#189	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#190	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#191	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl7-BZ#193	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#194	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#195	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#196	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#197	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#199	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#201	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#202	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#203	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl8-BZ#204/#200	MG/KG	0.00073 U	0.00070 U	0.00068 U	0.00078 U
Cl8-BZ#205	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl9-BZ#206	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl9-BZ#207	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl9-BZ#208	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U
Cl10-BZ#209	MG/KG	0.00036 U	0.00035 U	0.00034 U	0.00039 U

Notes for 2021 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 3/2/2022
Checked by: CLC 3/16/2022

Appendix B

Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Seafood Contaminant Survey Monitoring
2021 Sampling
February 22, 2022

Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 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
L2130994	Quahogs (pre-spawn)	May 2021	New Bedford Harbor
L2161403	Conch	October and November 2021	New Bedford Harbor

The data packages were validated using U.S. Environmental Protection Agency (USEPA) Region 1 - EPA New England Environmental Data Review Program Guidance and Data Review Supplement (USEPA, 2018), National Functional Guidelines for Superfund Organic Data Review (USEPA, 2017), 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 15.0 (MADEP, 2021). Data were validated following Stage 2A and/or Stage 2B checks (USEPA, 2009) as specified in the QAPP. In accordance with the QAPP, Stage 2A data validation was performed on 95 percent of the samples, and Stage 2B data validation was performed on 5 percent of the samples. For the 2021 sampling events, Stage 2B validation was performed on the following Quahog samples:

<u>Quahogs</u>
NBH21-SF-A-1
NBH21-SF-B-1
NBH21-SF-C-1

For Stage 2A data validation, data were evaluated for the following parameters:

* Collection and Preservation
* Holding Times
* Data Completeness
* Initial Calibration (for Stage 2A only if problems noted in case narrative)
* Continuing Calibration (for Stage 2A 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 Stage 2A only if problems noted in case narrative)
* Instrument Tune (for Stage 2A only if problems noted in case narrative)
* Target Compound Quantitation (for Stage 2A only if problems noted in case narrative)
* Miscellaneous

* - all criteria were met for this parameter

For Stage 2B 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 2021 data.

Laboratory Duplicates

PCB (L2035985) – The laboratory duplicate associated with quahog sample NBH21-SF-A-1 had RPDs greater than the control limit of 30 for the following congeners:

- BZ 137 (33)
- BZ 128 (36)
- BZ 167 (41)

Detections for these congeners in quahog sample NBH21-SF-A-1 were qualified estimated (J).

Reference:

USEPA, 2009. Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use;USEPA Office of Solid Waste and Emergency Response; EPA-540-R-08-005; January 2009.

USEPA, 2017. National Functional Guidelines for Superfund Organic Data Review; USEPA Office of Emergency and Remedial Response; EPA-540-R-2017-002; January 2017.

USEPA, 2018. Region 1 - EPA New England Environmental Data Review Program Guidance and Data Review Supplement; EPA Quality Assurance Unit & TechLaw Environmental Services Assistance team (ESAT) ContractSupport; Region 1 – EPA New England Office of Environmental Measurement and Evaluation (OEME); June 2018.

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

MADEP, 2021. "Quality Assurance Project Plan, Seafood Contaminant Survey, New Bedford Harbor Superfund Site, Revision 15.0", Massachusetts Department of Environmental Protection; February 2021.

Validated By: Madison Dinsmore Date: February 21, 2022

Reviewed by: Julie Ricardi Date: February 22, 2022

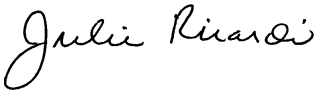

Table 1 - Sample Summary
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

							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
L2130994	Quahog	Q1-Station A	NBH21-SF-A-1	5/6/2021	TIS	L2130994-01	FS	130	1
L2130994	Quahog	Q1-Station B	NBH21-SF-B-1	5/6/2021	TIS	L2130994-02	FS	130	1
L2130994	Quahog	Q1-Station C	NBH21-SF-C-1	5/6/2021	TIS	L2130994-03	FS	130	1
L2130994	Quahog	Q1-Station D	NBH21-SF-D-1	5/6/2021	TIS	L2130994-04	FS	130	1
L2130994	Quahog	Q1-Station E	NBH21-SF-E-1	5/6/2021	TIS	L2130994-05	FS	130	1
L2130994	Quahog	Q2-Station B	NBH21-SF-B-2	5/20/2021	TIS	L2130994-06	FS	130	1
L2130994	Quahog	Q2-Station C	NBH21-SF-C-2	5/21/2021	TIS	L2130994-07	FS	130	1
L2130994	Quahog	Q2-Station D	NBH21-SF-D-2	5/21/2021	TIS	L2130994-08	FS	130	1
L2130994	Quahog	Q2-Station F	NBH21-SF-F-2	5/21/2021	TIS	L2130994-09	FS	130	1
L2130994	Quahog	Q2-Station G	NBH21-SF-G-2	5/20/2021	TIS	L2130994-10	FS	130	1
L2130994	Quahog	Q2-Station H	NBH21-SF-H-2	5/21/2021	TIS	L2130994-11	FS	130	1
L2130994	Quahog	Q3-Station B	NBH21-SF-B-3	5/20/2021	TIS	L2130994-12	FS	130	1
L2130994	Quahog	Q3-Station D	NBH21-SF-D-3	5/21/2021	TIS	L2130994-13	FS	130	1
L2130994	Quahog	Q3-Station I	NBH21-SF-I-3	5/20/2021	TIS	L2130994-14	FS	130	1
L2130994	Quahog	Q3-Station J	NBH21-SF-J-3	5/20/2021	TIS	L2130994-15	FS	130	1
L2161403	Conch	Q2-Station A	NBH21-SF-A-2	10/30/2021	TIS	L2161403-01	FS	130	1
L2161403	Conch	Q2-Station B	NBH21-SF-B-2	10/30/2021	TIS	L2161403-02	FS	130	1
L2161403	Conch	Q2-Station C	NBH21-SF-C-2	10/30/2021	TIS	L2161403-03	FS	130	1
L2161403	Conch	Q2-Station D	NBH21-SF-D-2	10/30/2021	TIS	L2161403-04	FS	130	1
L2161403	Conch	Q2-Station E	NBH21-SF-E-2	11/1/2021	TIS	L2161403-05	FS	130	1
L2161403	Conch	Q3-Station A	NBH21-SF-A-3	11/1/2021	TIS	L2161403-06	FS	130	1
L2161403	Conch	Q3-Station B	NBH21-SF-B-3	11/4/2021	TIS	L2161403-07	FS	130	1
L2161403	Conch	Q3-Station C	NBH21-SF-C-3	11/1/2021	TIS	L2161403-08	FS	130	1
L2161403	Conch	Q3-Station D	NBH21-SF-D-3	11/1/2021	TIS	L2161403-09	FS	130	1
L2161403	Conch	Q3-Station E	NBH21-SF-E-3	11/4/2021	TIS	L2161403-10	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 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q1-Station A		Q1-Station B		Q1-Station C		Q1-Station D		Q1-Station E	
		Sample Date	5/6/2021		5/6/2021		5/6/2021		5/6/2021		5/6/2021	
		Sample ID	NBH21-SF-A-1		NBH21-SF-B-1		NBH21-SF-C-1		NBH21-SF-D-1		NBH21-SF-E-1	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.391	J	0.735	U	0.781	U	0.459	J	0.424	J
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.972		0.662		0.78		1.37		1.5	
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	1.12		0.629		0.847		1.36		1.41	
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.832		0.53	J	0.656	J	1.19		1.08	
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.683		0.632		0.769		1.24		0.973	
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.612		0.478		0.47		0.57		0.77	
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	2.67		1.74		2.26		3.8		4.08	
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	4.92		3.17		4.06		6.81		7.47	
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.418		0.207	J	0.343	J	0.523		0.597	
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.936		0.567	J	0.649	J	1.16		1.28	
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	2.17		1.46		1.87		3.09		3.04	
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	8.77		3.6		8.18		11.3		13.4	
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	10.5		7.85		9.54		16.7		18.1	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	1.04		0.705		0.802		1.6		1.68	
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	14.7		10.8		13.6		23.2		21.6	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	15.6		11		13.5		23.3		24.4	
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	2.13		1.44		1.81		3.01		3.27	
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	1.2		0.759		1.1		1.33		1.7	

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q1-Station A		Q1-Station B		Q1-Station C		Q1-Station D		Q1-Station E	
		Sample Date	5/6/2021		5/6/2021		5/6/2021		5/6/2021		5/6/2021	
		Sample ID	NBH21-SF-A-1		NBH21-SF-B-1		NBH21-SF-C-1		NBH21-SF-D-1		NBH21-SF-E-1	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	1.26		0.96		1.12		1.66		1.66	
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	1.03		0.757		1.09		1.25		1.39	
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.302	J	0.368	U	0.241	J	0.203	J	0.271	J
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	3.44		2.36		2.96		4.64		5.11	
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.28	J	0.31	J	0.255	J	0.543		0.444	
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	7.2		4.95		6.44		9.4		10.9	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.695		0.376		0.621		0.918		1.11	
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	9.54		7.23		8.59		14.8		16	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	1.14		0.737		0.891		1.27		1.53	
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	25.1		19.4		23.9		39.3		43.9	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.818		0.573		0.803		1.37		1.43	
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	29.3		20.3		24.6		38.6		46	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	2.16		1.66		2.01		3.39		3.96	
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	2.93		1.77		2.68		3.54		3.92	
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	1.72		0.938		1.54		2.15		2.05	
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	1.1		0.817		1.04		1.6		1.55	
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	9.56		6.64		9.22		13		12.6	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	6.75		4.69		6.06		9.48		10.6	
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	7.88		4.9		6.98		9.35		10.2	
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	3.58		2.64		3.21		5.04		5.79	
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.554	J	0.735	U	0.541	J	0.69	J	0.89	
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	6.54		4.26		5.83		8.83		9.05	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q1-Station A		Q1-Station B		Q1-Station C		Q1-Station D		Q1-Station E	
		Sample Date	5/6/2021		5/6/2021		5/6/2021		5/6/2021		5/6/2021	
		Sample ID	NBH21-SF-A-1		NBH21-SF-B-1		NBH21-SF-C-1		NBH21-SF-D-1		NBH21-SF-E-1	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.904		0.604		0.848		1.26		1.22	
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	1.01		0.7		0.955		1.02		1.1	
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	0.84	J	0.673	J	0.938	J	1.06		1.56	
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	2.14		1.32		1.73		2.51		2.3	
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	2.89		1.59		2.44		2.85		2.94	
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	2.79		1.98		2.25		3.18		4.23	
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	4.91		3.51		4.8		7.23		8.98	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	5.59		3.84		5.08		7.35		8.89	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	5.27		3.41		5.15		6.71		7.32	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	15.7		11.2		14.8		22.1		24.8	
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.639		0.479		0.593		1.03		1.27	
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	21.9		14.5		21.6		27.7		32.8	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	3.5		2.13		3.24		4.27		3.85	
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	2.61		1.87		2.22		3.54		3.42	
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	19.8		13.3		20		26.6		29	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.786		0.494		0.652		0.898		1.13	
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	16.6		11.6		17.9		24.1		24.6	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	1.71		1.42		1.78		2.68		3.25	
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	9.43		6.31		8.49		11.4		14.5	
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.634		0.366	J	0.752		0.844		0.953	
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	2.21	J	1.02		1.69		2.43		2.36	
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	1.57		0.831		1.12		2.14		2.3	

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q1-Station A		Q1-Station B		Q1-Station C		Q1-Station D		Q1-Station E	
		Sample Date	5/6/2021		5/6/2021		5/6/2021		5/6/2021		5/6/2021	
		Sample ID	NBH21-SF-A-1		NBH21-SF-B-1		NBH21-SF-C-1		NBH21-SF-D-1		NBH21-SF-E-1	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	2.72		1.82		2.6		3.39		3.44	
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.386	U	0.368	U	0.391	U	0.255	J	0.268	J
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	3.7		2.55		3.47		3.96		3.63	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.716		0.411		0.642		0.911		1.1	
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	2.4		1.77		2.26		3.17		3.75	
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	1.28		0.959		1.34		1.57		2.09	
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	1.5	J	0.84		1.19		1.7		1.75	
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	5.52		2.88		4.41		6.7		6.95	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	1.32		0.728		1.3		1.48		1.85	
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.305	J	0.368	U	0.23	J	0.294	J	0.398	
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	4.01		2.66		3.5		5		5.48	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	13.6		9.21		13.1		18.6		21.4	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	1.47		0.766		1.41		1.88		2.32	
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	17.3		11.7		15.9		22.7		25.4	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.706		0.556		0.646		1.05		1.38	
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	1.6		0.976		1.69		2.07		2.29	
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.496		0.296	J	0.516		0.672		0.739	
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	6.7		4.56		6.64		9.01		9.73	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.917	J	0.643		0.911		1.15		1.38	
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.94		0.481		0.785		1.13		1.52	
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.244	J	0.224	J	0.278	J	0.37		0.431	
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.466		0.31	J	0.419		0.592		0.52	

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q1-Station A		Q1-Station B		Q1-Station C		Q1-Station D		Q1-Station E	
		Sample Date	5/6/2021		5/6/2021		5/6/2021		5/6/2021		5/6/2021	
		Sample ID	NBH21-SF-A-1		NBH21-SF-B-1		NBH21-SF-C-1		NBH21-SF-D-1		NBH21-SF-E-1	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.834		0.516		0.828		0.921		1.09	
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.186	J
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	1		0.702		0.874		1.08		1.31	
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.478		0.298	J	0.467		0.498		0.64	
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	2.44		1.6		2.36		3.04		3.78	
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.772	U	0.735	U	0.781	U	0.709	U	0.739	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.58		0.359	J	0.552		0.726		0.949	
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	2.49		1.73		2.44		3.16		4.02	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.273	J	0.368	U	0.233	J	0.28	J	0.425	
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.212	J	0.368	U	0.238	J	0.272	J	0.312	J
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.287	J	0.298	J	0.299	J	0.674		0.708	
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.386	U	0.368	U	0.216	J	0.204	J	0.432	
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.493		0.283	J	0.452		0.555		0.753	
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.207	J	0.368	U	0.391	U	0.211	J	0.255	J
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.386	U	0.368	U	0.281	J	0.226	J	0.279	J
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.772	U	0.735	U	0.781	U	0.709	U	0.739	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q1-Station A		Q1-Station B		Q1-Station C		Q1-Station D		Q1-Station E	
		Sample Date	5/6/2021		5/6/2021		5/6/2021		5/6/2021		5/6/2021	
		Sample ID	NBH21-SF-A-1		NBH21-SF-B-1		NBH21-SF-C-1		NBH21-SF-D-1		NBH21-SF-E-1	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.443	
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.742	
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.386	U	0.368	U	0.391	U	0.355	U	0.37	U
8270D-SIM/680(M)	Total PCBs	UG/KG	393		266		363		535		594	
LIPIDS	Lipids	PERCEN	0.741		0.794		0.625		0.738		1.42	

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
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F		Q2-Station G	
		Sample Date	5/20/2021		5/21/2021		5/21/2021		5/21/2021		5/20/2021	
		Sample ID	NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-F-2		NBH21-SF-G-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.705	U	0.783	U	0.699	U	0.696	U	0.774	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.353	U	0.246	J	0.183	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.353	U	0.334	J	0.191	J	0.198	J	0.387	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.705	U	0.783	U	0.699	U	0.696	U	0.774	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.353	U	0.243	J	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.353	U	0.241	J	0.18	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.353	U	0.559		0.364		0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.254	J	1.13		0.84		0.326	J	0.387	U
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.353	U	0.209	J	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.705	U	0.783	U	0.699	U	0.696	U	0.774	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.177	J	0.409		0.372		0.24	J	0.387	U
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	2.08	
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.49		1.92		1.68		0.815		0.3	J
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.353	U	0.294	J	0.229	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.598		2.36		2.12		1.03		0.345	J
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	0.763		2.71		2.36		1.08		0.427	
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.353	U	0.459		0.331	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.353	U	0.349	J	0.299	J	0.348	U	0.387	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F		Q2-Station G	
		Sample Date	5/20/2021		5/21/2021		5/21/2021		5/21/2021		5/20/2021	
		Sample ID	NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-F-2		NBH21-SF-G-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.353	U	0.407		0.296	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.353	U	0.299	J	0.254	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.27	J	0.716		0.657		0.287	J	0.387	U
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.519		1.39		1.4		0.649		0.292	J
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.353	U	0.252	J	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.688		1.76		1.74		0.88		0.37	J
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.353	U	0.272	J	0.302	J	0.348	U	0.832	
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	1.6		5.05		4.43		2.34		1.05	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.353	U	0.242	J	0.193	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	1.88		6.15		5.58		2.77		1.26	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.353	U	0.658		0.395		0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.249	J	0.586		0.471		0.266	J	0.193	J
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.353	U	0.276	J	0.245	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.353	U	0.245	J	0.224	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	0.906		1.71		1.72		0.859		0.53	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	0.541	J	1.26		1.09		0.554	J	0.774	U
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	0.66		1.34		1.32		0.691		0.426	
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.279	J	0.794		0.719		0.396		0.387	U
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.705	U	0.783	U	0.699	U	0.696	U	0.774	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.408		1.08		0.971		0.505		0.288	J
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F		Q2-Station G	
		Sample Date	5/20/2021		5/21/2021		5/21/2021		5/21/2021		5/20/2021	
		Sample ID	NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-F-2		NBH21-SF-G-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.353	U	0.241	J	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.353	U	0.289	J	0.244	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.06	U	1.17	U	0.529	J	1.04	U	1.16	U
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	0.331	J	0.555		0.488		0.255	J	0.216	J
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.705	U	0.757	J	0.652	J	0.696	U	0.774	U
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.588	J	0.788		0.752		0.474	J	2.8	
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.51		1.19		1.06		0.529		0.36	J
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	0.82		1.5		1.47		0.844		0.532	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	0.609		1.14		1.09		0.628		0.55	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	2.1		3.37		3.58		1.89		1.36	
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.353	U	0.258	J	0.266	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	2.89		4.76		5.01		2.73		2.63	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.377		0.847		0.628		0.29	J	0.302	J
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.42	J	0.751	J	0.752		0.413	J	0.774	U
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	2.44		4.23		4.06		2.03		1.52	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.353	U	0.254	J	0.222	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	2.24		3.6		3.39		1.9		1.59	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.259	J	0.604		0.508		0.241	J	0.387	U
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	1.09		2.38		2.26		1.26		0.766	J
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.353	U	0.24	J	0.256	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	0.394		0.564		0.472		0.272	J	0.326	J
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.705	U	0.441	J	0.375	J	0.696	U	0.774	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F		Q2-Station G	
		Sample Date	5/20/2021		5/21/2021		5/21/2021		5/21/2021		5/20/2021	
		Sample ID	NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-F-2		NBH21-SF-G-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.479	J	0.902		0.724		0.696	U	0.774	U
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.739		0.959		1		0.454		0.414	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.353	U	0.238	J	0.254	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.455		0.713		0.761		0.409		0.364	J
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.353	U	0.478		0.373		0.18	J	0.387	U
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.353	U	0.332	J	0.326	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	1.02		1.39		1.31		0.632		0.711	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.353	U	0.352	J	0.308	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	0.763		1.14		1.16		0.787		0.606	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	1.99		3.34		3.26		1.65		1.25	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.243	J	0.427		0.417		0.208	J	0.327	J
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	3.2		4.15		4.51		2.56		1.96	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.353	U	0.282	J	0.275	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	0.271	J	0.502		0.365		0.179	J	0.387	U
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	1.43		2.02		1.86		1.07		0.916	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.353	U	0.308	J	0.238	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	1.82	
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.269	J	0.261	J	0.276	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.353	U	0.264	J	0.281	J	0.348	U	0.387	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F		Q2-Station G	
		Sample Date	5/20/2021		5/21/2021		5/21/2021		5/21/2021		5/20/2021	
		Sample ID	NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-F-2		NBH21-SF-G-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.207	J	0.268	J	0.276	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.346	J	0.43		0.33	J	0.218	J	0.387	U
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.353	U	0.247	J	0.225	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	0.521		0.729		0.612		0.355		0.273	J
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.705	U	0.783	U	0.699	U	0.696	U	0.774	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.353	U	0.28	J	0.185	J	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	0.621		0.854		0.729		0.483		0.453	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.353	U	0.391	U	0.388		0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.353	U	0.252	J	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.705	U	0.783	U	0.699	U	0.696	U	0.774	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station F		Q2-Station G	
		Sample Date	5/20/2021		5/21/2021		5/21/2021		5/21/2021		5/20/2021	
		Sample ID	NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-F-2		NBH21-SF-G-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.353	U	0.391	U	0.35	U	0.348	U	0.387	U
8270D-SIM/680(M)	Total PCBs	UG/KG	37.9		85.8		79.7		36.8		30.4	
LIPIDS	Lipids	PERCEN	0.48		0.751		1.01		0.779		0.805	

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
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station H		Q3-Station B		Q3-Station D		Q3-Station I		Q3-Station J	
		Sample Date	5/21/2021		5/20/2021		5/21/2021		5/20/2021		5/20/2021	
		Sample ID	NBH21-SF-H-2		NBH21-SF-B-3		NBH21-SF-D-3		NBH21-SF-I-3		NBH21-SF-J-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.73	U	0.728	U	0.7	U	0.682	U	0.781	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.196	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.73	U	0.728	U	0.7	U	0.682	U	0.781	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.317	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.636		0.199	J	0.198	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.73	U	0.728	U	0.7	U	0.682	U	0.781	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.291	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	1.3		0.357	J	0.456		0.214	J	0.391	U
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	1.52		0.762		0.444		0.298	J	0.391	U
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	1.72		0.586		0.677		0.316	J	0.391	U
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.201	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station H		Q3-Station B		Q3-Station D		Q3-Station I		Q3-Station J	
		Sample Date	5/21/2021		5/20/2021		5/21/2021		5/20/2021		5/20/2021	
		Sample ID	NBH21-SF-H-2		NBH21-SF-B-3		NBH21-SF-D-3		NBH21-SF-I-3		NBH21-SF-J-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.378		0.265	J	0.286	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.986		0.62		0.473		0.22	J	0.391	U
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	1.21		0.618		0.602		0.27	J	0.391	U
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	3.63		1.4		1.45		0.706		0.374	J
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	4.36		1.79		1.74		0.816		0.429	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.283	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.382		0.264	J	0.212	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	1.27		1.01		0.727		0.33	J	0.391	U
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	1.01		0.444	J	0.394	J	0.682	U	0.781	U
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	1.02		0.678		0.515		0.264	J	0.391	U
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.503		0.251	J	0.271	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.73	U	0.728	U	0.7	U	0.682	U	0.781	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.727		0.444		0.293	J	0.184	J	0.391	U
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station H		Q3-Station B		Q3-Station D		Q3-Station I		Q3-Station J	
		Sample Date	5/21/2021		5/20/2021		5/21/2021		5/20/2021		5/20/2021	
		Sample ID	NBH21-SF-H-2		NBH21-SF-B-3		NBH21-SF-D-3		NBH21-SF-I-3		NBH21-SF-J-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.365	U	0.201	J	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.09	U	1.09	U	1.05	U	1.02	U	1.17	U
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	0.436		0.439		0.253	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.433	J	0.728	U	0.7	U	0.682	U	0.781	U
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.661	J	0.545	J	0.361	J	0.682	U	0.781	U
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.791		0.417		0.434		0.242	J	0.391	U
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	1.26		0.78		0.665		0.347		0.211	J
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	0.968		0.679		0.542		0.224	J	0.391	U
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	3.01		2.21		1.7		0.752		0.488	
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	4.45		2.97		2.17		1.16		0.592	J
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.515		0.565		0.339	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.62	J	0.521	J	0.388	J	0.682	U	0.781	U
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	3.54		2.34		1.61		0.916		0.439	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	2.91		2.39		1.52		0.706		0.484	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.346	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	1.84		1.21		0.862	J	1.02	U	1.17	U
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	0.481		0.49		0.26	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.73	U	0.377	J	0.7	U	0.682	U	0.781	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station H		Q3-Station B		Q3-Station D		Q3-Station I		Q3-Station J	
		Sample Date	5/21/2021		5/20/2021		5/21/2021		5/20/2021		5/20/2021	
		Sample ID	NBH21-SF-H-2		NBH21-SF-B-3		NBH21-SF-D-3		NBH21-SF-I-3		NBH21-SF-J-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.659	J	0.584	J	0.376	J	0.682	U	0.781	U
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.854		0.78		0.534		0.302	J	0.391	U
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.183	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.718		0.474		0.353		0.296	J	0.391	U
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.276	J	0.23	J	0.195	J	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.259	J	0.187	J	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	1.15		1.2		0.719		0.338	J	0.228	J
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.272	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	1.14		0.999		0.688		0.424		0.252	J
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	2.83		1.89		1.55		0.691		0.781	U
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.285	J	0.213	J	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	4.17		3.46		2.77		1.08		0.732	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.198	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	0.329	J	0.281	J	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	1.74		1.48		1.18		0.74		0.43	J
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.188	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	0.238	J	0.221	J	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station H		Q3-Station B		Q3-Station D		Q3-Station I		Q3-Station J	
		Sample Date	5/21/2021		5/20/2021		5/21/2021		5/20/2021		5/20/2021	
		Sample ID	NBH21-SF-H-2		NBH21-SF-B-3		NBH21-SF-D-3		NBH21-SF-I-3		NBH21-SF-J-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.226	J	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.25	J	0.322	J	0.23	J	0.232	J	0.391	U
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	0.528		0.515		0.325	J	0.203	J	0.391	U
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.73	U	0.728	U	0.7	U	0.682	U	0.781	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.217	J	0.183	J	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	0.734		0.605		0.441		0.24	J	0.391	U
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.73	U	0.728	U	0.7	U	0.682	U	0.781	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2130994		L2130994		L2130994		L2130994		L2130994	
		Location	Q2-Station H		Q3-Station B		Q3-Station D		Q3-Station I		Q3-Station J	
		Sample Date	5/21/2021		5/20/2021		5/21/2021		5/20/2021		5/20/2021	
		Sample ID	NBH21-SF-H-2		NBH21-SF-B-3		NBH21-SF-D-3		NBH21-SF-I-3		NBH21-SF-J-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.365	U	0.364	U	0.35	U	0.341	U	0.391	U
8270D-SIM/680(M)	Total PCBs	UG/KG	61.6		39.4		29.2		12.5		4.66	
LIPIDS	Lipids	PERCEN	0.759		1.2		1.46		0.628		1.44	

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
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station E	
		Sample Date	10/30/2021		10/30/2021		10/30/2021		10/30/2021		11/1/2021	
		Sample ID	NBH21-SF-A-2		NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-E-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.68	U	0.677	U	0.696	U	0.707	U	0.727	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.34	U	0.177	J	0.66		0.19	J	0.24	J
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.68	U	0.677	U	0.696	U	0.707	U	0.727	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.34	U	0.338	U	0.536		0.353	U	0.364	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.34	U	0.338	U	0.372		0.353	U	0.233	J
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.34	U	0.338	U	0.456		0.353	U	0.197	J
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.391		0.679		2.5		0.784		0.929	
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.68	U	0.677	U	0.529	J	0.707	U	0.727	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.34	U	0.245	J	0.716		0.25	J	0.329	J
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.34	U	0.25	J	0.765		0.219	J	0.356	J
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.892		2.15		6.36		2.05		2.14	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.34	U	0.338	U	0.393		0.353	U	0.364	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.441		0.817		12.6		1.89		1.1	
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	1.68		3.12		11.8		4.27		3.47	
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.34	U	0.208	J	0.461		0.199	J	0.22	J
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station E	
		Sample Date	10/30/2021		10/30/2021		10/30/2021		10/30/2021		11/1/2021	
		Sample ID	NBH21-SF-A-2		NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-E-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.34	U	0.179	J	1.28		0.34	J	0.246	J
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.34	U	0.543		0.752		0.368		0.46	
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.529		1.09		2.07		0.877		1.23	
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	1.78		4.23		7.68		3.85		3.54	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.34	U	0.338	U	0.337	J	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.556		1.07		13.4		2.16		1.48	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	6.23		13.3		27.2		15.5		11.6	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.34	U	0.338	U	0.211	J	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	6.6		13.6		27.6		15.2		10.7	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.34	U	0.338	U	0.268	J	0.353	U	0.278	J
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.455		1.16		1.56		0.82		0.962	
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.399		0.628		4.63		0.983		0.988	
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.402		0.765		1.88		0.804		0.849	
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	3.44		4.86		30.1		6.96		7.32	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	1.39		3.11		7.24		3.32		2.82	
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	2.43		3.79		7.3		4.22		3.35	
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.362		0.62		1.27		0.556		0.597	
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.68	U	0.677	U	0.696	U	0.707	U	0.727	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	1.19		1.77		17.5		3.42		3.27	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station E	
		Sample Date	10/30/2021		10/30/2021		10/30/2021		10/30/2021		11/1/2021	
		Sample ID	NBH21-SF-A-2		NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-E-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.34	U	0.338	U	0.977		0.353	U	0.364	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.34	U	0.332	J	0.394		0.353	U	0.257	J
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	0.886	J	1.63		1.77		1.28		1.22	
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	1.56		4.04		9.64		3.55		3.48	
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.983		3.42		3.44		2.53		2.11	
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.72		1.37		1.96		1.21		1.29	
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	1.84		4.21		6.49		4.25		3.47	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	4.31		7.88		8.93		6.97		5.01	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	2.22		8.99		9.12		5.73		4.93	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	9.4		18.9		67.2		20.5		25.4	
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.34	U	0.286	J	1.44		0.367		0.355	J
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	12.6		31.6		37.1		26.3		21.8	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	1.72		3.03		11.4		3.74		4.23	
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	2.1		2.92		6.75		2.64		3.52	
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	7.37		23.8		26.8		18.2		14.8	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.894		1.76		3.24		1.56		1.87	
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	10.4		10.4		61.7		17.8		18.5	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.814		1.52		6.02		1.82		1.9	
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	2.44		5.04		8.12		4.81		4.18	
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.275	J	0.497		0.618		0.522		0.484	
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	3.03		6.3		10.7		5.68		5.87	
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	1.28		3.61		7.68		3.48		4.31	

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station E	
		Sample Date	10/30/2021		10/30/2021		10/30/2021		10/30/2021		11/1/2021	
		Sample ID	NBH21-SF-A-2		NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-E-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	1.68		3.97		3.85		3.01		2.68	
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.34	U	0.285	J	0.214	J	0.353	U	0.364	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	1.08		3.04		3.3		2.44		2.04	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.616		1.06		1.16		1.12		0.726	
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.99		1.48		1.98		1.51		1.2	
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.296	J	0.554		0.598		0.474		0.508	
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.658		1.3		3.81		1.38		1.9	
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	10.1		22.7		38.6		20.9		22.3	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.393		1.32		1.36		1.06		0.984	
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.34	U	0.376		0.392		0.3	J	0.193	J
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	5.34		8.05		12.4		7.34		8.1	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	5.12		14.1		17.1		12.8		11.2	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	1.34		2.07		2.61		2.46		1.46	
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	22.4		43.3		90.6		44		50.8	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.476		1.23		3.61		1.27		1.78	
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	2.42		4.05		8.34		3.94		4.81	
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.686		1.31		2.13		1.05		1.23	
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	6.94		9.36		15.7		9.22		8.77	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	1.06		1.6		4.01		1.82		2.18	
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	1.73		3.91		5.11		3.36		3.53	
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.444		0.858		1.63		0.883		0.914	
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.468		1		0.89		0.785		0.676	

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station E	
		Sample Date	10/30/2021		10/30/2021		10/30/2021		10/30/2021		11/1/2021	
		Sample ID	NBH21-SF-A-2		NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-E-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.3	J	0.84		0.69		0.659		0.674	
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.854		1.17		1.37		1.38		0.948	
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.621		0.88		0.947		1.03		0.984	
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	2.7		6		10.3		5.43		6.09	
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.68	U	0.677	U	0.696	U	0.707	U	0.727	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.845		2.05		4.08		2.17		2.32	
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	3.09		5.24		8.39		4.79		5.12	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.34	U	0.824		0.751		0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.34	U	0.399		0.879		0.399		0.476	
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.34	U	0.338	U	0.44		0.353	U	0.364	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.294	J	0.409		0.587		0.54		0.448	
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.48		0.849		0.998		0.629		0.787	
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.34	U	0.455		0.71		0.491		0.332	J
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.498		0.814		1.2		0.784		0.761	
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.3	J	0.513		0.454		0.452		0.366	
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.34	U	0.368		0.574		0.31	J	0.387	
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.68	U	0.677	U	0.696	U	0.707	U	0.727	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q2-Station A		Q2-Station B		Q2-Station C		Q2-Station D		Q2-Station E	
		Sample Date	10/30/2021		10/30/2021		10/30/2021		10/30/2021		11/1/2021	
		Sample ID	NBH21-SF-A-2		NBH21-SF-B-2		NBH21-SF-C-2		NBH21-SF-D-2		NBH21-SF-E-2	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.34	U	0.338	U	0.439		0.353	U	0.364	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.34	U	0.338	U	0.379		0.262	J	0.364	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.34	U	0.338	U	0.348	U	0.353	U	0.364	U
8270D-SIM/680(M)	Total PCBs	UG/KG	168		348		734		343		336	
LIPIDS	Lipids	PERCEN	0.571		0.541		0.779		0.735		0.64	

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
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q3-Station A		Q3-Station B		Q3-Station C		Q3-Station D		Q3-Station E	
		Sample Date	11/1/2021		11/4/2021		11/1/2021		11/1/2021		11/4/2021	
		Sample ID	NBH21-SF-A-3		NBH21-SF-B-3		NBH21-SF-C-3		NBH21-SF-D-3		NBH21-SF-E-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl1-BZ#1	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl1-BZ#3	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl2-BZ#4/#10	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U
8270D-SIM/680(M)	Cl2-BZ#5	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl2-BZ#6	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl2-BZ#7	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.653	
8270D-SIM/680(M)	Cl2-BZ#8	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl2-BZ#12	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl2-BZ#13	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U
8270D-SIM/680(M)	Cl2-BZ#15	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#16	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#17	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#18	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.276	J
8270D-SIM/680(M)	Cl3-BZ#19	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#21/#20	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U
8270D-SIM/680(M)	Cl3-BZ#22	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#24	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#25	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#26	UG/KG	0.205	J	0.351	U	0.403		0.265	J	0.78	
8270D-SIM/680(M)	Cl3-BZ#27	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#28	UG/KG	0.182	J	0.351	U	0.339	U	0.197	J	0.305	J
8270D-SIM/680(M)	Cl3-BZ#29	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#31	UG/KG	0.477		0.408		0.843		0.555		1.34	
8270D-SIM/680(M)	Cl3-BZ#32	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl3-BZ#33	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q3-Station A		Q3-Station B		Q3-Station C		Q3-Station D		Q3-Station E	
		Sample Date	11/1/2021		11/4/2021		11/1/2021		11/1/2021		11/4/2021	
		Sample ID	NBH21-SF-A-3		NBH21-SF-B-3		NBH21-SF-C-3		NBH21-SF-D-3		NBH21-SF-E-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl3-BZ#37	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#40	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#41	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#42	UG/KG	0.355	U	0.351	U	0.257	J	0.379	U	0.31	J
8270D-SIM/680(M)	Cl4-BZ#43	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#44	UG/KG	0.48		0.306	J	0.701		0.507		1.08	
8270D-SIM/680(M)	Cl4-BZ#45	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#47	UG/KG	0.296	J	0.351	U	0.274	J	0.27	J	0.413	
8270D-SIM/680(M)	Cl4-BZ#48	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#49	UG/KG	1.92		1.62		3.02		2.12		4.89	
8270D-SIM/680(M)	Cl4-BZ#50	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#51	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#52	UG/KG	1.46		1.22		2.89		1.58		4.57	
8270D-SIM/680(M)	Cl4-BZ#53	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#54	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#56	UG/KG	0.355	U	0.178	J	0.305	J	0.379	U	0.322	J
8270D-SIM/680(M)	Cl4-BZ#60	UG/KG	0.193	J	0.351	U	0.173	J	0.22	J	0.262	J
8270D-SIM/680(M)	Cl4-BZ#63	UG/KG	0.355	U	0.184	J	0.269	J	0.379	U	0.436	
8270D-SIM/680(M)	Cl4-BZ#66	UG/KG	1.16		0.749		1.75		1.54		2.66	
8270D-SIM/680(M)	Cl4-BZ#68/#64	UG/KG	0.497	J	0.702	U	0.641	J	0.599	J	1.15	
8270D-SIM/680(M)	Cl4-BZ#70	UG/KG	0.786		0.702		1.61		0.674		1.88	
8270D-SIM/680(M)	Cl4-BZ#71	UG/KG	0.355	U	0.351	U	0.186	J	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#73/#46	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U
8270D-SIM/680(M)	Cl4-BZ#74	UG/KG	0.321	J	0.302	J	0.71		0.473		0.84	
8270D-SIM/680(M)	Cl4-BZ#76	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q3-Station A		Q3-Station B		Q3-Station C		Q3-Station D		Q3-Station E	
		Sample Date	11/1/2021		11/4/2021		11/1/2021		11/1/2021		11/4/2021	
		Sample ID	NBH21-SF-A-3		NBH21-SF-B-3		NBH21-SF-C-3		NBH21-SF-D-3		NBH21-SF-E-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl4-BZ#77	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl4-BZ#81	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl5-BZ#82	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl5-BZ#83/#125/#112	UG/KG	1.06	U	1.05	U	0.587	J	1.14	U	0.652	J
8270D-SIM/680(M)	Cl5-BZ#85	UG/KG	1		0.444		0.904		0.907		1.75	
8270D-SIM/680(M)	Cl5-BZ#87/#111	UG/KG	0.449	J	0.546	J	0.523	J	0.523	J	0.7	J
8270D-SIM/680(M)	Cl5-BZ#89/#84	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U
8270D-SIM/680(M)	Cl5-BZ#91	UG/KG	0.752		0.519		1.07		0.629		1.73	
8270D-SIM/680(M)	Cl5-BZ#92	UG/KG	1.1		1.14		2.62		1.31		2.84	
8270D-SIM/680(M)	Cl5-BZ#97	UG/KG	1.18		0.748		1.29		1.35		3.59	
8270D-SIM/680(M)	Cl5-BZ#99	UG/KG	4.22		2.84		5.55		6.44		8.24	
8270D-SIM/680(M)	Cl5-BZ#100	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl5-BZ#101/#90	UG/KG	5.05		4.48		7.39		4.92		15	
8270D-SIM/680(M)	Cl5-BZ#104	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl5-BZ#105	UG/KG	0.65		0.609		1.18		0.823		2.54	
8270D-SIM/680(M)	Cl5-BZ#107/#123	UG/KG	0.872		1.21		1.46		1.09		2.85	
8270D-SIM/680(M)	Cl5-BZ#110	UG/KG	2.6		1.73		3.6		2.56		6.68	
8270D-SIM/680(M)	Cl5-BZ#114	UG/KG	0.547		0.427		0.686		0.674		0.901	
8270D-SIM/680(M)	Cl5-BZ#118	UG/KG	2.67		2.86		6.12		2.67		11	
8270D-SIM/680(M)	Cl5-BZ#119	UG/KG	0.354	J	0.314	J	0.445		0.707		0.734	
8270D-SIM/680(M)	Cl5-BZ#121/#95/#88	UG/KG	0.754	J	0.664	J	1.17		0.788	J	1.56	
8270D-SIM/680(M)	Cl5-BZ#124	UG/KG	0.355	U	0.351	U	0.26	J	0.379	U	0.323	J
8270D-SIM/680(M)	Cl5-BZ#126	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl6-BZ#128	UG/KG	1.76		1.43		2.12		1.92		4.49	
8270D-SIM/680(M)	Cl6-BZ#129/#158	UG/KG	0.62	J	0.532	J	0.946		1.12		2.19	

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q3-Station A		Q3-Station B		Q3-Station C		Q3-Station D		Q3-Station E	
		Sample Date	11/1/2021		11/4/2021		11/1/2021		11/1/2021		11/4/2021	
		Sample ID	NBH21-SF-A-3		NBH21-SF-B-3		NBH21-SF-C-3		NBH21-SF-D-3		NBH21-SF-E-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl6-BZ#130/#164	UG/KG	0.849		0.832		1.1		0.701	J	2.21	
8270D-SIM/680(M)	Cl6-BZ#131	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl6-BZ#132	UG/KG	0.468		0.366		0.62		0.467		1.38	
8270D-SIM/680(M)	Cl6-BZ#134	UG/KG	0.346	J	0.323	J	0.319	J	0.238	J	0.612	
8270D-SIM/680(M)	Cl6-BZ#135	UG/KG	0.36		0.384		0.662		0.318	J	0.976	
8270D-SIM/680(M)	Cl6-BZ#136	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.205	J
8270D-SIM/680(M)	Cl6-BZ#137	UG/KG	0.416		0.328	J	0.514		0.553		0.994	
8270D-SIM/680(M)	Cl6-BZ#138	UG/KG	5.25		4.41		6.87		6.57		15.7	
8270D-SIM/680(M)	Cl6-BZ#141	UG/KG	0.347	J	0.348	J	0.363		0.379	U	0.689	
8270D-SIM/680(M)	Cl6-BZ#144	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.21	J
8270D-SIM/680(M)	Cl6-BZ#146	UG/KG	2.61		3.5		3.88		2.75		6.96	
8270D-SIM/680(M)	Cl6-BZ#147/#149	UG/KG	2.51		2.13		3.46		2.44		10.2	
8270D-SIM/680(M)	Cl6-BZ#151	UG/KG	0.512		0.618		0.983		0.41		1.33	
8270D-SIM/680(M)	Cl6-BZ#153	UG/KG	11.8		10.5		15.4		15.6		36.3	
8270D-SIM/680(M)	Cl6-BZ#154	UG/KG	0.311	J	0.304	J	0.366		0.578		0.626	
8270D-SIM/680(M)	Cl6-BZ#155	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl6-BZ#156	UG/KG	1.26		1.44		1.82		1.39		1.86	
8270D-SIM/680(M)	Cl6-BZ#157	UG/KG	0.462		0.605		0.534		0.436		0.783	
8270D-SIM/680(M)	Cl6-BZ#163/#160	UG/KG	2.77		3.39		4.88		2.83		6.81	
8270D-SIM/680(M)	Cl6-BZ#167	UG/KG	0.563		0.705		0.776		0.472		1.24	
8270D-SIM/680(M)	Cl6-BZ#168	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl6-BZ#169	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#170	UG/KG	1.14		1.34		1.42		1.16		1.7	
8270D-SIM/680(M)	Cl7-BZ#171	UG/KG	0.355	U	0.351	U	0.378		0.377	J	0.482	
8270D-SIM/680(M)	Cl7-BZ#172	UG/KG	0.355	U	0.549		0.346		0.379	U	0.339	J

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q3-Station A		Q3-Station B		Q3-Station C		Q3-Station D		Q3-Station E	
		Sample Date	11/1/2021		11/4/2021		11/1/2021		11/1/2021		11/4/2021	
		Sample ID	NBH21-SF-A-3		NBH21-SF-B-3		NBH21-SF-C-3		NBH21-SF-D-3		NBH21-SF-E-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl7-BZ#173	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#174	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.533	
8270D-SIM/680(M)	Cl7-BZ#176	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#177	UG/KG	0.493		0.564		0.708		0.602		0.87	
8270D-SIM/680(M)	Cl7-BZ#178	UG/KG	0.336	J	0.683		0.561		0.452		0.663	
8270D-SIM/680(M)	Cl7-BZ#180	UG/KG	1.62		1.92		1.84		1.64		2.91	
8270D-SIM/680(M)	Cl7-BZ#182/#175	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U
8270D-SIM/680(M)	Cl7-BZ#183	UG/KG	0.71		0.608		0.616		0.886		1.44	
8270D-SIM/680(M)	Cl7-BZ#184	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#185	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#187	UG/KG	1.9		2.42		2.59		1.88		3.87	
8270D-SIM/680(M)	Cl7-BZ#188	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#189	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#190	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#191	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl7-BZ#193	UG/KG	0.385		0.384		0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl8-BZ#194	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.332	J
8270D-SIM/680(M)	Cl8-BZ#195	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl8-BZ#196	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.194	J
8270D-SIM/680(M)	Cl8-BZ#197	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl8-BZ#199	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl8-BZ#201	UG/KG	0.355	U	0.822		0.345		0.285	J	0.448	
8270D-SIM/680(M)	Cl8-BZ#202	UG/KG	0.212	J	0.394		0.235	J	0.251	J	0.296	J
8270D-SIM/680(M)	Cl8-BZ#203	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl8-BZ#204/#200	UG/KG	0.71	U	0.702	U	0.678	U	0.758	U	0.748	U

Table 2 - Summary of Analytical Results
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 Sampling
New Bedford, Massachusetts

		SDG	L2161403		L2161403		L2161403		L2161403		L2161403	
		Location	Q3-Station A		Q3-Station B		Q3-Station C		Q3-Station D		Q3-Station E	
		Sample Date	11/1/2021		11/4/2021		11/1/2021		11/1/2021		11/4/2021	
		Sample ID	NBH21-SF-A-3		NBH21-SF-B-3		NBH21-SF-C-3		NBH21-SF-D-3		NBH21-SF-E-3	
		QC Code	FS		FS		FS		FS		FS	
Method	**Parameter**	**Unit**	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
8270D-SIM/680(M)	Cl8-BZ#205	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl9-BZ#206	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl9-BZ#207	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Cl9-BZ#208	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Decachlorobiphenyl	UG/KG	0.355	U	0.351	U	0.339	U	0.379	U	0.374	U
8270D-SIM/680(M)	Total PCBs	UG/KG	70.2		66		104		80.7		193	
LIPIDS	Lipids	PERCEN	0.568		0.674		0.705		0.576		0.81	

NOTES:

ug/kg = microgram per kilogram

U = not detected at the reported detection limit

J = estimated value

FS = field sample

Table 3 - Summary of Validation Actions
Data Validation Summary
Massachusetts Department of Environmental Protection
New Bedford Harbor Superfund Site
Seafood Contaminant Survey Monitoring 2021 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
L2130994	8270D-SIM/680(M)	L2130994-01	NBH21-SF-A-1	Cl6-BZ#128	2.21		2.21	J	LD	UG/KG
L2130994	8270D-SIM/680(M)	L2130994-01	NBH21-SF-A-1	Cl6-BZ#137	1.5		1.5	J	LD	UG/KG
L2130994	8270D-SIM/680(M)	L2130994-01	NBH21-SF-A-1	Cl6-BZ#167	0.917		0.917	J	LD	UG/KG

NOTES:
ug/kg = microgram per kilogram
LD = laboratory duplicate precision goal not met
J = estimated value

Created By: WCG 2/21/22
Checked By: MAD 2/21/22

Appendix C

Seafood Monitoring - Field Sampling Activities
for
the New Bedford Harbor Superfund Site
2021 Annual Report
February 2, 2022

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 2021 Annual Report

Vin Malkoski, Senior Marine Fisheries Biologist
Massachusetts Division of Marine Fisheries
February 2, 2022

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).

2021 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 all stations except SF-CA-2 (West of Barrier Opening) where 11 were harvested.

Quahog (*Mercenaria mercenaria*)
Marine Fisheries collected pre-spawn quahog samples from 5 stations in Area 1 and 10 stations in Areas 2 and 3 by rake and diver (Figure 2 and Collection Form 2). We harvested a minimum of 12 quahogs from most stations, but we could only get 10 from Station B-1 (Palmer Island), 10 from Station D-1 (North of Giffords' Marina), and 8 from Station SF-I-3 (Nonquit).

Planning for 2022 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 2022.

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 1, 2, & 3

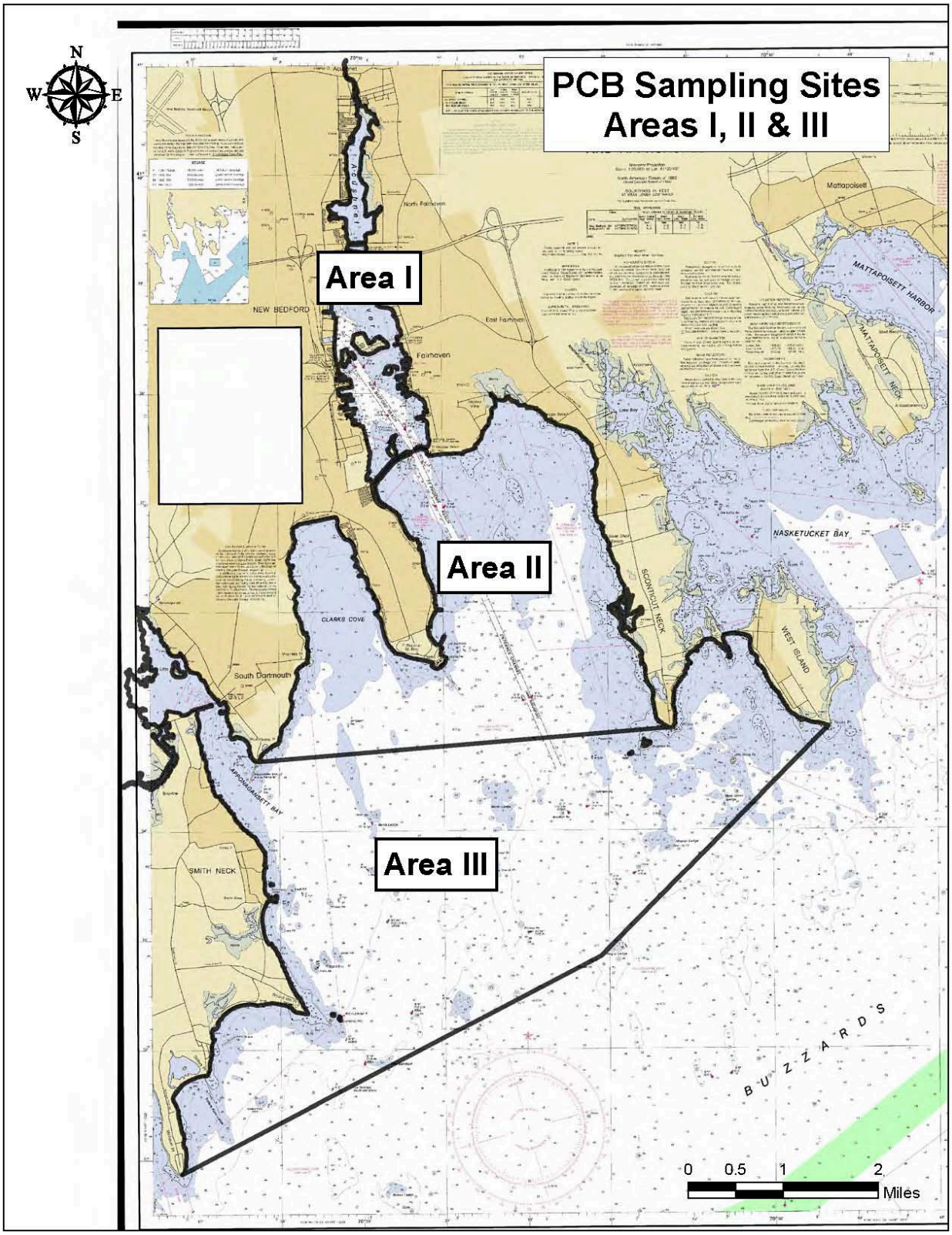

Figure 1. PCB Sample Areas I to III

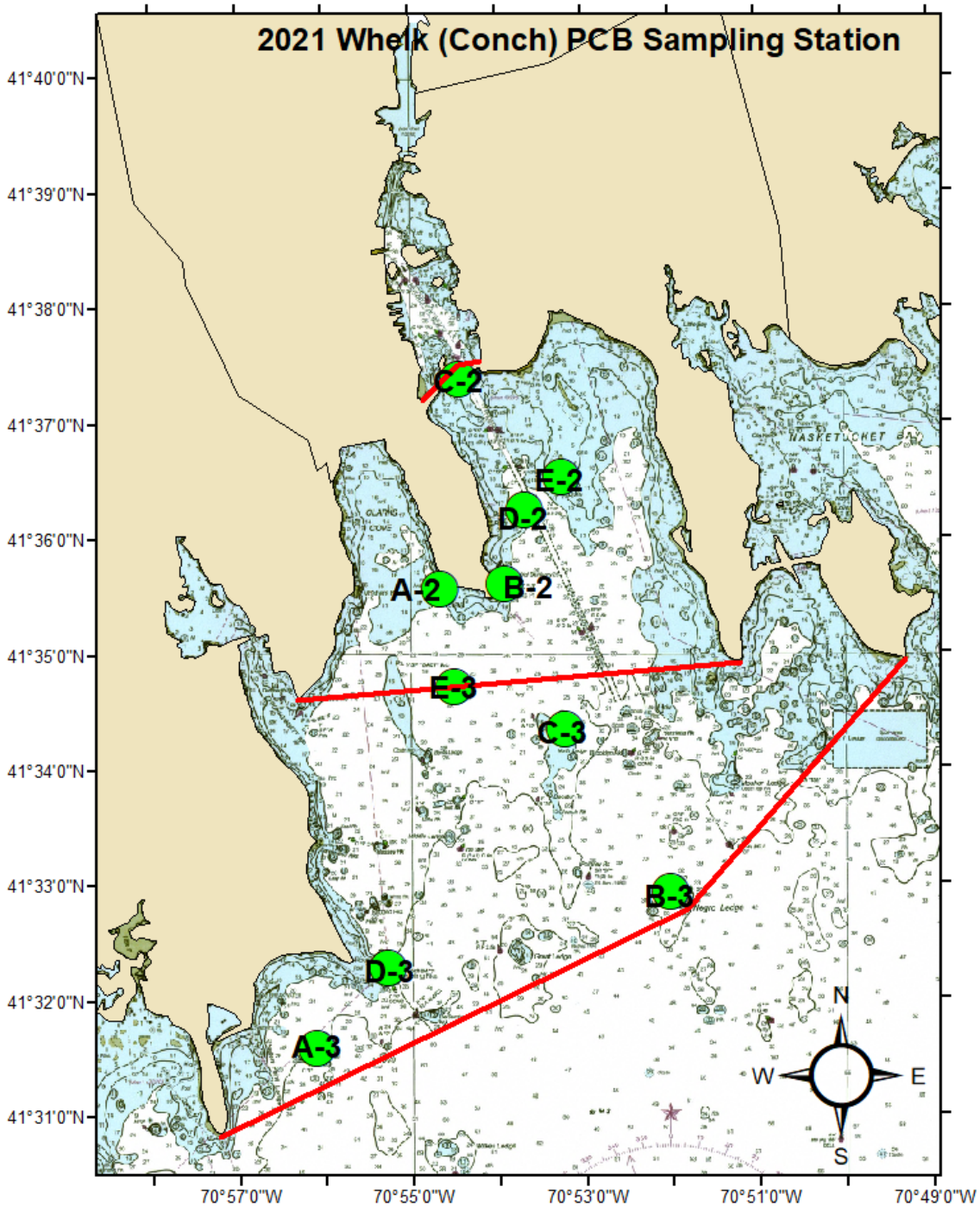

Figure 2. Whelk (Conch), Areas II, & III

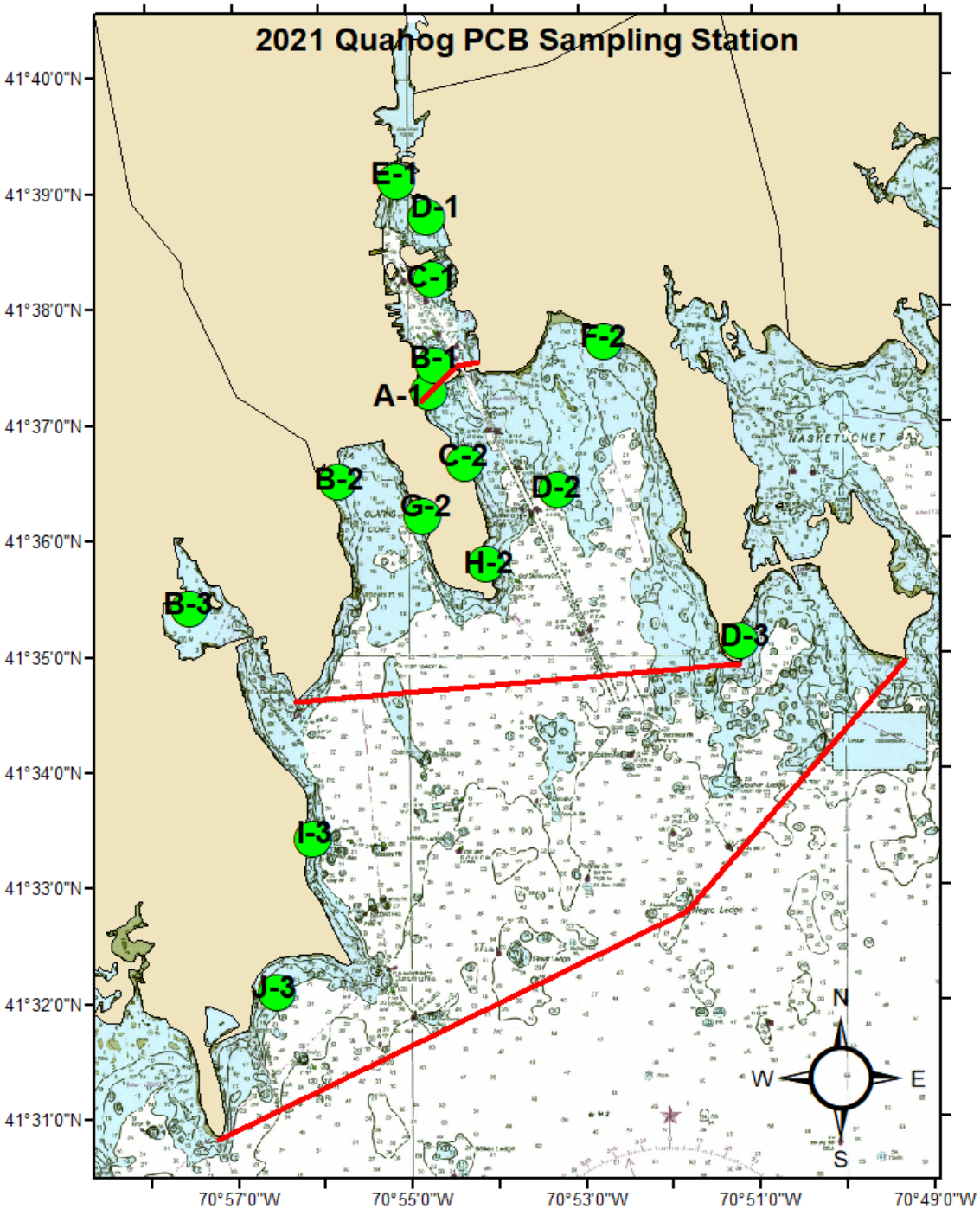

Figure 3. Pre-spawn Quahogs, Areas I, II, & III

ATTACHMENT 2
DMF FIELD COLLECTION SHEETS

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

FIELD COLLECTION FORM 1: DIVISION MARINE FISHERIES, NEW BEDFORD OFFICE, 836 SOUTH RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH21 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
10/30/2021	NBH21-SF-A-2	12 Whelk	SMAST Pier	NBH Area 2	041° 35.556′ 070° 54.669′	Pots	
10/30/2021	NBH21-SF-B-2	12 Whelk	E of Fort Rodman	NBH Area 2	041° 35.596′ 070° 53.922′	Pots	
10/30/2021	NBH21 SF-C-2	11 Whelk	W of Opening	NBH Area 2	041° 37.380′ 070° 54.430′	Pots	
10/30/2021	NBH21-SF-D-2	12 Whelk	Lighthouse	NBH Area 2	041° 36.242′ 070° 53.683′	Pots	
11/1/2021	NBH21-SF-E-2	12 Whelk	Egg Island	NBH Area 2	041° 36.523′ 070° 56.110′	Pots	
11/1/2021	NBH21-SF-A-3	12 Whelk	Great Ledge	NBH Area 3	041° 31.591′ 070° 52.023	Pots	
11/4/2021	NBH21-SF-B-3	12 Whelk	Negro Ledge	NBH Area 3	041° 32.922′ 070° 52.023′	Pots	
11/1/2021	NBH21-SF-C-3	12 Whelk	North Ledge	NBH Area 3	041° 34.341′ 070° 53.234′	Pots	
11/1/2021	NBH21-SF-D-3	12 Whelk	Radome	NBH Area 3	041° 32.281′ 070° 55.292′	Pots	
11/4/2021	NBH21-SF-E-3	12 Whelk	Angelica Rock	NBH Area 3	041° 34.711′ 070° 51.498′	Pots	

FIELD COLLECTION FORM 2: DIVISION MARINE FISHERIES, NEW BEDFORD OFFICE, 836 SOUTH RODNEY FRENCH BLVD, NEW BEDFORD, MA 02744

PROJECT #: NBH21 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
5/6/2021	NBH21-SF-A-1	13 Quahogs (Prespawn)	West of Barrier Opening	NBH Area 1	041° 37.275′ 070° 54.754′	Dive	
5/6/2021	NBH21-SF-B-1	10 Quahogs (Prespawn)	Palmer Island	NBH Area 1	041° 37.505′ 070° 54.690′	Dive	
5/6/2021	NBH21-SF-C-1	13 Quahogs (Prespawn)	Crow Island	NBH Area 1	041° 38.251′ 070° 54.710′	Dive	
5/6/2021	NBH21-SF-D-1	10 Quahogs (Prespawn)	North of Gifford's Marina	NBH Area 1	041° 38.783′ 070° 54.773′	Dive	
5/6/2021	NBH21-SF-G-2	11 Quahogs (Prespawn)	Tin Can Island	NBH Area 1	041° 396.092′ 070° 55.122′	Dive	
5/20/2021	NBH21-SF-B-2	12 Quahogs (Prespawn)	Rogers Street	NBH Area 2	041° 36.500′ 070° 55.820′	Dive	
5/21/2021	NBH21-SF-C-2	12 Quahogs (Prespawn)	S of Fredrick St Ramp	NBH Area 2	041° 36.650′ 070° 54.345′	Dive	
5/21/2021	NBH21-SF-D-2	12 Quahogs (Prespawn)	Egg Island	NBH Area 2	041° 36.422′ 070° 53.290′	Dive	
5/21/2021	NBH21-SF-F-2	12 Quahogs (Prespawn)	Priest's Cove	NBH Area 2	041° 37.700′ 070° 52.740′	Dive	
5/20/2021	NBH21-SF-G-2	12 Quahogs (Prespawn)	W Rodney Family Area	NBH Area 2	041° 36.205′ 070° 54.842′	Dive	
5/21/2021	NBH21-SF-H-2	12 Quahogs (Prespawn)	E Rodney Family Area	NBH Area 2	041° 35.790′ 070° 54.108′	Dive	
5/20/2021	NBH21-SF-B-3	12 Quahogs (Prespawn)	Star of the Sea	NBH Area 3	041° 35.410′ 070° 57.524′	Rake	
5/21/2021	NBH21-SF-D-3	12 Quahogs (Prespawn)	Nakata Beach	NBH Area 3	041° 35.102′ 070° 51.192′	Dive	
5/20/2021	NBH21-SF-I-3	8 Quahogs (Prespawn)	Nonquit	NBH Area 3	041° 33.415′ 070° 56.128′	Dive	
5/20/2021	NBH21-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

Department of Environmental Protection
One Winter Street Boston, MA 02108 • 617-292-5500

Charles D. Baker
Governor

Karyn E. Polito
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.