Table 5.1 Ambient Air Monitoring Program - Total Detectable PCB Homologues New Bedford Harbor Superfund Site <u>Current as of 11/21/2023</u> PCIB Concentrations by Lacation Ander in Subary Illing watched paramativ

																		PCB C (ng/m ³ in 24	oncentral -hour tim	tion by Local e-weighted a	ion werage) ¹																			
Sampling Date	24 Aerovox	25 Manomet	25 Cliftex	27 Porter	30 Fibre Leather	42 NSTAR North	43 Veranda	44 Taber	46 Coffin	47	Area C 48	49		ea D 51 53	53 Dredge	55 Aerovox West	56 Acushnet Park	57 Riversie Park	58 Pe	ari 59 Pope	s 60 Was burn	h+ 61 Sou Fenc	e House	ury 63 Boa	athouse	54 Pilgrim	65 LHCC Dredge	66 Huttle- ston	67 Revere	68 Marsh Island	69 North Street	74 Beach St Leo	r5 Lei uyer N	r6 1 uyer Lec orth So	uyer How	8 79 Ba vard Plan	t 80 Sycamo	83 Beach	th Riverba Lofts	nk -
10/14/23	39.4					<0.69				6.47/ « 0.6 9						<0.69																							3.81	2023 West Zone 2/3 remedial results
09/14/23	11.5					<0.69				<0.69/<0. 69						-0.69																							4.72	2023 West Zone 2/3 remedial results
08/14/23	16					<0.69				8.47/6.41						0.94																							9.43	2023 West Zone 2/3 remedial results
07/05/23			9.17	21						<0.69/0.7 3																											0.96	<0.69		2023 East Zone 3 remedial results
06/05/23			11.5	<0.69						<0.69/<0. 69																											<0.69	<0.69		2023 East Zone 3 remedial results
05/02/23			<0.69	<0.69						<0.69/<0. 69																											<0.69	<0.69		2023 East Zone 3 remedial results
04/03/23					<0.69	<0.69				<0.69/<0. 69																												<0.69		2023 East Zone 2 remedial results
03/07/23					<0.69	20.7				<0.69/<0. 69d																												0.73		2023 East Zone 2 remedial results
02/07/23					<0.69	<0.69				<0.69/<0. 69d																												<0.69		2023 East Zone 2 remedial results
01/11/23					<0.69	-0.69				<0.69/<0. 69d																												<0.69		2023 East Zone 2 remedial results
12/09/22					<0.69	-0.69				<0.69/<0. 69d																												0.71		2022 East Zone 2 remedial results
11/07/22					<0.69	2.54				<0.69/<0. 69d																												6.26		2022 East Zone 2 remedial results
10/03/22					ND	ND				3.06/4.36 d																												ND		2022 East Zone 2 remedial results
07/13/21	NS	34.7		<1.39	43.9	NS	NS		11.8	12.4/14.6 d	NS	NS				NS																					NS			2021 West Zones 4 and 5 remedial results
06/03/21	NS	14.9		<1.39	13.4	NS	NS		10.9	8.86/4.35 d	NS	NS				NS																					NS			2021 West Zones 4 and 5 remedial results
05/17/21	NS	NS		27.2	NS	NS	23.1		12.1	15.0/16.5 d	NS	NS				NS	NS						NS										4S I	is M	IS N	IS NS	2.11			2021 East Zones 3, 4, and 5 remedial results
04/14/21	NS	NS		1.53	NS	NS	<1.39		6.79	5.99/5.29 d	NS	NS				NS	NS						NS										4S I	is M	IS N	IS NS	<1.39			2021 East Zones 3, 4, and 5 remedial results
03/16/21	NS	NS		<1.39	NS	NS	1.78		<1.39	<1.39/<1. 39d	NS	NS				NS	NS						NS										IS I	is M	IS N	IS NS	<1.39			2021 East Zones 3, 4, and 5 remedial results
11/19/20	25.6	NS		NS	NS	NS	NS	11.5	NS	<1.39/<1. 39d	NS	NS	<1.39	NS N		NS	6.47						NS			6.07			<1.39			,	4S	is M	4S <1	.39 31.1				2020 West Zone 1 remedial results
10/19/20	28.2	NS		NS	NS	NS	NS	2.79	NS	21.8/22.4 d	NS	NS	12.7	NS N		NS	5.17						NS			1.88			13.9			1	5.3 2	7.8	4S 5.	67 42.1				2020 West Zone 1 and East Zone 1 remedial results
10/08/20	6.43	NS		NS	NS	NS	NS	<1.39	NS	1.60/<1.3 9d	NS	NS	1.44	NS N		NS	1.82						NS			<1.39			<1.39			3	0.6 2	5.4 M	4S <1	.39 17.4				2020 West Zone 1 and East Zone 1 remedial results
09/24/20	NS	NS		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS N		NS							NS			NS			NS			1	10 3	19 1	06					2020 East Zone 1 follow-up to 2nd trigger exceedance at #75 Lecuyer on 09/03/2020
09/03/20	72.8	NS		NS	NS	30.7	25.6	10.1	20.4	18.2/15.4 d	NS	NS	10.7	NS N		NS							35.8			9.58			7.08			4	56							2020 Upper Harbor Post-dredging and East Zone 1 remedial results.
08/06/20	92.6	67.1		NS	NS	122	30.0	13.8	34.2	22.6/7.26 d		NS	11.1	NS N		NS							56.1	_		8.58			NA				4.0							2020 Upper Harbor Post-dredging and East Zone 1 remedial results. The duplicate at Station 47 (Area C) had lab QA issues and may be considered based low. The sample from Station 67 (Revere) dd not run for the minimum 12 hours to be submitted for analysis.
07/07/20	97.8	40.8		NS	NS	8.81	8.17	14.4	34.9	4.07/4.40 d		NS	8.75	NS N		NS							20.7			11.9			20.6			1	2.6					4	4	2020 Upper Harbor Post-dredging and East Zone 1 remedial results.
06/02/20	60.6	29.9		NS	NS	13.7	16.8	18.3	NS	10.5/12.7 d		NS	7.43	NS N		NS							61.1			14.3			7.85			1	4.0							2020 Upper Harbor Post-dredging and East Zone 1 remedial results
05/05/20	5.06	NS		NS	NS	21.7	NS	<1.39	NS	24.3/21.9 d	NS	NS	10.1	NS N		NS							8.04			<1.39			9.71			4	1.7							2020 East Zone 1 remedial results.
04/06/20	26.0	NS		NS	NS	8.88	NS	3.08	NS	11.5/15.6 d	NS	NS	1.82	NS N		NS							<1.39			3.08			<1.39			1	3.0							2020 East Zone 1 remedial results.
03/03/20	30.0	NS		NS	NS	NS	6.99	8.65	22.4	8.22/9.64 d	NS	NS	8.35	NS N	39.5	NS										8.39	31.6		4.86											2019 Dredge Areas U and V remedial results.
01/28/20	3.18	<1.39		<1.39	NS	NS	4.10	<1.39	<1.39	34.9/32.5	NS	NS	1.69	NS N	5.33	NS										1.89	13.7		<1.39											2019 Dredge Area S remedial results.

Table E-1 Amblent Air Monitoring Program - Total Detectable PCB Homologues New Bedford Harbor Superfund Site <u>Current as of 11/21/2023</u>

																	PCB Co (ng/m² in 24-ł	ncentratio	on by Locatio weighted av	on erage) ¹																			
Sampling Date	24 Aerovox	25 Manomet	25 Cliftex 27 Port	a 30 Fibre	e 42 NSTAR North	43 Veranda	44 Taber	46 Coffin	47	Area C	49	Area	-	53 Dredge	55 Aerovox West	56 Acushnet Park	57 Riverside Park	58 Pear		60 Wash-	61 Sout	th 62 Century House	63 Boathous	e 64 Pilgri	65 LHCC Dredge	66 Hut stor	tle- 67 Revere	68 Marsh Island	69 North Street	74 Beach St	75 Lecuyer	76 Lecuyer North	77 Lecuyer South	78 79 B oward Pla	all nt 80	83 Bea	84 Riverba		
12/18/19	150	<1.39	<1.39		NS	8.07	<1.39		47 <1.39/<1. 39d	48 NS			51 52 NS NS	<1.39	NS									2.72			<1.39					North	South		Sycan	nore	Lofts	2019 Dredge Area R and Veranda Inlet remedial	il results.
11/19/19	244	5.47	<1.39	NS	NS	9.69	<1.39	<1.39	10.8/12.7 d	NS	NS	2.68	NS NS	13.2	NS									<1.39	23.7		<1.39											2019 Dredge Area S and Pierce Mil Cove remedi	ial results.
10/28/19	139	20.7	<1.39	NS	NS	1.71	<1.39	4.08	8.53/6.11 d	NS	NS	7.99	NS NS	6.39	NS									<1.39	6.32		6.39											2019 Dredge Area R and Pierce Mil Cove remed	ial results.
10/01/19	79.3	36.0	2.89	16.9	18.1	27.5	16.3	9.31	2.36/9.26 d	NS	NS	11.1	NS NS	14.9	NS							NS		19.3			<1.39											2019 Dredge Area L, P, and Pierce Mil Cove remedial results event for mechanical dredging operation	s. First air monitoring
08/19/19	19.3	58.2	24.3	NS	NS	20.7		37.2	18.9/48.1 d	NS	NS	30.3	NS NS	130	NS							NS																2019 Dredge Area S remedial results. The pump for the duplic ran for 19 hours. Because the elapsed time was more than 5 time, the sample was retained for analysis	cate on Station 47 only 50 percent of the total 5.
07/25/19	51.5	54.7	17.2	NS	NS	18.2		29.9	47.1/47.5 d	NS	NS	20.1	NS NS	230	NS							NS																2019 Dredge Area R remedial results.	
06/26/19	28.9	49.7	NS	30.0	18.9	9.18		NS	27.4/21.3 d	NS	NS	16.8	NS NS	112	NS							NS																2019 Dredge Area L remedial event result	ts.
06/05/19	153	46.8	NS	49.7	29.6	35.8		NS	26.9/32.4 d	NS	NS	27.6	NS NS	123	NS							NS																2019 Dredge Area L remedial event result	b .
04/23/19	17.5	25.0	NS	18.5	7.17	4.44		NS	11.4/10.0 d	NS	NS	13.0	NS NS	137	NS							NS																2019 Dredge Area H remedial event and Area L backgrou	und event results.
03/26/19	NS	26.7	NS	26.4	20.7	12.4		NS	9.61/2.50 d	NS	NS	6.13	NS NS	59.0	NS							NS																2019 Dredge Area H remedial event result	lts.
02/26/19	NS	<1.39	NS	<1.39	40.4J	17.5		NS	<1.39/<1. 39d	NS	NS	<1.39	NS NS	NS	NS							NS																2019 Dredge Area H background monitoring ever	nt results.
12/19/18	32.6	NS	NS	19.6	19.4	NS		NS	23.6/22.1 d	NS	NS	20.8	NS NS	114	NS							15.0																2018 Drege Areas I, N, & O remedial event and Aerovox Cap results.	pping remedial event
11/28/18	<1.39	NS	NS	<1.39	17.6	NS		NS	<1.39/<1. 39d	NS	NS	1.60	NS NS	15.1	NS							3.88																2018 Drege Areas I, N, & O remedial event and Aerovox Ca results.	pping remedial event
10/24/18	3.3	NS	NS	<1.39	23.2	NS		NS	4.31/3.75 d	NS	NS	4.97	NS NS	71.5	<1.39							<1.39																2018 Drege Areas I, N, & O remedial event and Aerovox Cap results.	pping remedial event
10/10/18	63.3	NS	NS	NS	NS	NS		NS	NS	NS	NS	NS	NS NS	NS	11.3/10.3d							42.1																2018 Aerovox Capping remedial event resu	ults.
09/24/18	74.0	NS	NS	34.9	17.9	NS		NS	37.5/32.4 d	NS	NS	31.4	NS NS	146	NS							1.43																2018 Drege Areas I, N, & O remedial ever	nt.
08/24/18	123	NS	NS	32.9	39.4	NS		NS	31.5/15.4 d	NS	NS	23.5	NS NS	141	NS							5.79																2018 Drege Areas I, N, & O remedial ever	nt.
07/24/18	317	NS	NS	264	8.21	NS		NS	135/143d	NS	NS	38.5	NS NS	371	NS							16.7								40.7								2018 Drege Areas I, N, & O remedial event and Between the B	Seidges remedial event.
05/30/18	72.9	NS	NS	67.9	5.47	NS		NS	42.6/37.8 d	NS	NS	22.2	NS NS	NS	NS							24.4																2018 Dredge Areas I,N,&O background eve	ent.
05/17/18	NS	NS	NS	NS	NS	NS	14.0/18. 3d	NS	NS	NS	NS	NS	NS NS	NS	NS									7.71	NS	NS	22.2		7.93									2018 North Street Salt Marsh remedial eve	ent.
04/23/18	NS	31.3	7.4	46.8	16.3	NS	NS	NS	38.5/42.4 d	NS	NS	16.4	NS NS	82.3	NS									NS	NS	NS	NS		NS									2018 Cable Crossing remedial event.	
03/27/18	NS	41.5	6.79	22.9	12.2	11.1	11.7	NS	19.0	NS	NS 21	.5/24.3d	NS NS	611	NS			NS	NS	19.1				NS	NS	NS	NS		NS									2018 Cable Crossing and Between the Bridges remedial events 65Lower Harbor Dredge, stopped prematurely and did not run a valid sample.	s. The pump on Station n long enough to collect
02/21/18	NS	NS	NS	NS	NS	5.21	4.03	NS	17.2	NS	NS	17.8	NS NS	NS	NS			3.56	4.53	12.3				5.18	12.7	3.53	1.89		NS									2018 Lower Harbor Best Value remedial event. The pump for t Station #47 did not run for the prescribed period and the sample analysis.	the duplicate sample at ie was not submitted for
01/25/18	NS	NS	NS	NS	NS	<1.39	<1.39	NS	<1.39/<1. 39d	NS	NS	<1.39	NS NS	NS	NS			<1.39	<1.39	<1.39				<1.39	<4.50	<1.3	9 <1.39		<1.39									2018 Lower Harbor Best Value remedial event. This event also sample for Station 69-North Street to support remediation of Marsh.	included a background the North Street Salt
12/19/17	NS	NS	NS	NS	NS	27.8	9.64	NS	9.39/12.6 d	NS	NS	11.2	NS NS	NS	NS			<1.39	2.82	<1.39				14.2	4.87	12.6	i <1.39											2017 Lower Harbor Best Value remedial ev	ent.
12/13/17	NS	<1.39	8.1	2.0	13	NS	NS	NS	1.4/<1.39 d	NS	NS	9.6	NS NS	191	NS			NS	NS	NS				NS	NS	NS	NS											2017 Cable Crossing remedial event.	
11/28/17	NS	NS	NS	NS	NS	11	22	NS	48/29d	NS	NS	6.8	NS NS	NS	NS			18	5.2	13				1.7	6.5	2.5	9.3											2017 Lower Harbor Best Value remedial ev	ent.
11/15/17	NS	29	1.5	43	4.8	NS	NS	NS	31/34d	NS	NS	25	NS NS	825	NS			NS	NS	NS				NS	NS	NS	NS											2017 Cable Crossing remedial event.	
10/23/17	NS	NS	NS	NS	NS	5	24	NS	75/120d	NS	NS	32	NS NS	NS	NS			5	22	97				16	45	2	35											2017 Lower Harbor Best Value remedial ev	ent.
10/19/17	NS	34	23	22	28	NS	NS	NS	29	NS	NS	15	NS NS	171	NS			NS	NS	NS				NS	NS	NS	NS											2017 Cable Crossing remedial event. The duplicate sample for not run longer than 12 hours and was not sent to the labor.	Station 47Area C did atory for analysis.

Table E-1 Amblent Air Monitoring Program - Total Detectable PCB Homologues New Bedford Harbor Superfund Site <u>Current as of 11/21/2023</u>

																	PCB Co (ng/m² in 24-ł	our time.	n by Locatio	n (1700)1															_		
Sampling Date					20.53.0	42 NSTAR					Area C		Area	-			CT Diverside				of Carata			65	ce line		CO March	CO North	74 0	75 .	76	π.	78 79 B:			84	†
	24 Aerovox	25 Manomet	25 Cliftex	27 Porter	30 Fibre Leather	42 NSTAR North	43 Veranda	44 Taber	46 Coffin	47	48	49	50	51 52 53 Dredg	e West	56 Acushnet Park	57 Riverside Park	58 Pearl	59 Popes	60 Wash- burn	61 South Fence	Century House 63 Boa	athouse 6	4 Pilgrim LHCC Dredge	66 Huttle ston	67 Revere	68 Marsh Island	69 North Street	74 Beach St		ocuyer L North	South	78 79 B: ward Plan	it 80 Sycamo	83 Beac	ch Riverban Lofts	*
09/26/17	NS	NS		NS	NS	NS	34	6	NS	42.9/25d	NS	NS	46	NS NS NS	NS			6	13	48				15 33	ND	26											2017 Lower Harbor Best Value remedial event.
																				-					_									<u> </u>	4	4	
09/13/17	NS	82		35	41	30	NS	NS	NS	8/15d	NS	NS	16	NS NS NS	NS			NS	NS	NS				NS NS	NS	NS											2017 Cable Crossing background event.
08/24/17	NS	NS		NS	NS	NS	NS	7.57/24. 4d	NS	NS	NS	NS I	NS	NS NS NS	NS			NS	NS	3.82				NS NS	NS	16.9	38.6										2017 Marsh Island Excavation results.
07/19/17	NS	NS		NS	NS	NS	70.8	21.1	NS	34.2/18.8 d	NS	NS 9	9.38	NS NS NS	NS			14.0	13.0	44.7				42.4 NS	26.8	17.6	49.4										2017 Lower Harbor Best Value/Marsh Island background event. Station 50 Area D ran
																																		—	—	+	for 878 minutes, but was retained because it ran for more than 12 hours. 2017 Upper Harbor Dredging-Lower Harbor CAD Cell filling. The pump at Area D failed by a state of the second of the second se
04/03/17	NS	4.79		ND _R	NS	NS	3.60	ND _R	2.54	2.88	NS	NS N	ND _R	NS NS ND _R	NS			ND _R	3.01	ND _R				ND _R NS	ND _R	ND _R								4	4	4	failed by mid-afternoon. The pump used on the dredge was removed after 8 hours and placed at Area D. Both Area D and the dredge were monitored for their full time intervals. The number the dualicate at årea C shut down sometime after inspection.
03/29/17	NS	NS		NS	NS	NS	5.94	NS	ND	7.15/7.67 d	NS	NS I	NS	NS NS NS	NS		ND	NS	NS	NS				NS NS	NS	NS											2017 Upper Harbor Excavation PMC results.
03/08/17	NS	6.92		11.5	NS	NS	29.9	2.00	15.2	<1.37/ <1.39d	NS	NS <	1.39	NS NS 71.9	NS		NS	<1.39	<1.39	<1.38				12.8 NS	5.35	<1.39											2017 Upper harbor dredging lower harbor CAD cell placements. Note Pearl (#58) pump had stopped in mid-collection. The dredge pump (#53) had only run for 40 minutes prior to shutdown. The dredge pump (#53) was placed at #58 Pearl for remainder of
02/23/17	NS	NS		NS	NS	NS	4.01	NS	22.7	2.38	NS	NS I	NS	NS NS NS	NS		1.68	NS	NS	NS				NS NS	NS	NS											2017 Upper Harbor Excavation PMC results. The duplicate pump for Station #47 Area C failed and no duplicate sample was submitted for analysis.
01/25/17	NS	4.53		2.57	NS	NS	11.4	2.67	9.41	2.43 / 2.65d	NS		2.66	NS NS 6.35	NS		NS	0.803	NS	6.58				2.91 NS	3.84	3.07								+			2017 Upper harbor dredging lower harbor CAD cell placements.
																									-									—	4	4	
01/12/17	NS	NS		NS	NS	NS	18.2	NS	15.9	1.90/1.90 d	NS	NS I	NS	NS NS NS	NS		<0.061	NS	NS	NS				NS NS	NS	NS								4	4	4	2017 Upper Harbor Excavation PMC results.
12/06/16	NS	NS		NS	NS	NS	3.56	0.679	NS	5.32/5.10 d	NS	NS 5	5.41	NS NS NS	NS		NS	NS	1.57	6.08				1.14 11.7	0.48	4.86											2016 Lower Harbor Dredging in Moby Dick Marina Area A36.
12/01/16	NS	NS		NS	NS	NS	19.7	NS	1.04	1.10/ 1.21d	NS	NS I	NS	NS NS NS	NS		0.0007	NS	NS	NS				NS NS	NS	NS											2016 Upper Harbor Excavation PMC results.
11/10/16	NS	NS		NS	NS	NS	13.7	NS	4.72	1.64/1.63 d	NS	NS I	NS	NS NS NS	NS		0.658	NS	NS	NS				NS NS	NS	NS											2016 Upper Harbor Pre- excavation PMC results.
11/07/16	NS	NS		NS	NS	NS	6.26	4.07	NS	3.38	NS	NS 5.82	2/3.75d	NS NS NS	NS			0.416	3.55	7.29				2.10 3.19	NS	5.57											2016 Lower Harbor Drediging in Area A34. Dredge was sampled.
10/19/16	NS	NS		NS	NS	NS	85.2	18.2	NS	26.2	NS	NS 21.1	1/24.4d	NS NS NS	NS			3.89	13.0	30.2				10.6 17.1	NS	22.9											2016 Lower Harbor Drediging in Area A34. Dredge was sampled.
09/20/16	NS	NS		NS	NS	NS	35.3	18.9	NS	21.4	NS	NS 20.6	5/22.0d	NS NS NS	NS			2.50	NS	59.5				15.7 37.4	NS	25.9											2016 Lower Harbor Drediging in Area A34. Dredge was sampled.
08/18/16	NS	NS		NS	NS	NS	97.6	19.1	NS	17.1/17.1 d	NS	NS 6	5.56	NS NS NS	NS			3.24	10.5	12.6				11.6 30.1	11.6	9.95											2016 Lower Harbor Drediging in Area 358. Dredge was sampled.
08/11/16	NS	61.1		32.2	35.2/39.2d	35.6	NS	NS	NS	NS	NS	NS I	NS	NS NS 704	NS			NS	NS	NS				NS NS	NS	NS									4		2016 Upper Harbor Debris Removal. Debris Barge was sampled.
07/27/16	NS	NS		NS	NS	NS	42.9	23.7	NS	18.1/16.5 d	NS	NS 1	12.3	NS NS NS	NS			0.416	7.36	32.4				11.1 83.1	6.42	13.4										4	2016 Lower Harbor Drediging. Dredge was sampled.
07/20/16	NS	95.1		22.8	56.9/52.0 d	33.2	NS	NS	25.3		NS			NS NS 513	NS			NS	NS	NS				NS NS	_	NS								4	4	4	2016 Upper Harbor Debris Removal. Debris Barge was sampled.
06/27/16	NS	NS		NS	NS	NS	21.8	32.8	NS	14.4/13.4 d	NS			NS NS NS	NS			0.473	9.53	48.6				13.92 63.0	-	8.96								4	4	4	2016 Lower Harbor Debris Removal. Debris Barge was sampled.
06/13/16	NS	10.0		14.4	NS	NS	36.5	NS		6.37/5.45 d	NS			NS NS 47.1	NS			NS	NS	NS				NS NS		NS								4	4	4	2016 Upper Harbor Debris Removal. Debris Barge was sampled.
05/23/16	NS	NS		NS	NS	NS	11.9	1.88	NS	-	NS			NS NS NS	NS			5.59	3.38	22.1				3.93 15.1	-	21.9								—	4	4	2016 Lower Harbor Debris Removal. Debris Barge was sampled.
05/16/16	NS	5.89		11.8	NS	NS	41.7	NS	3.96	d	NS			NS NS 34.9	NS			NS	NS	NS				NS NS		NS								—	-	-	2016 Upper Harbor Debris Removal. Debris Barge was sampled.
04/25/16	NS	NS		NS	NS	NS	10.9	6.02	NS	14.7	NS			NS NS NS	NS			2.26	7.43	11.6				6.28 8.57		6.04										4	2016 Lower Harbor Dredging and Debris Removal. Dredge was sampled.
03/22/16	NS	NS		NS NS	NS NS	NS NS	12.6 4.88	7.48	NS		NS NS			NS NS NS	NS			0.0804	2.53	0.553				6.38 8.81 0.864 3.36		0.379									—	+	2016 Lower Harbor Drediging and Debris Removal. Dredge was sampled. 2016 Combined Lower Harbor Dredging and Parcel 265 Excavation monitoring events.
02/18/16	NS	NS		NS	NS	NS	4.88	4.39	0.114 NS	2.00	NS	NS 0.97			NS			0.00	2.04	0.965				4.75 NS		0.870								—	—	+	2016 Combined Lower Harbor Deteging and Parcel 265 Excavation monitoring events. 2016 Lower Harbor Debris Removal only.
01/21/16 01/18/16	NS 0.216	NS 0.329		NS NS	NS 0.0185	NS 11.9	2.81 1.68	0.787	0.076	0.916	NS NS	NS 0.10	NS 2/0.117	NS NS NS NS NS NS	NS 0.00348			NS NS	NS NS	0.071 NS				NS NS 1.87 NS	NS NS	NS NS					-				—	—	2016 Parcel 265 Excavation air monitoring event. Pump #21 stopped at 1033. 2016 Upper Harbor Post-Dredge Sampling Event. Location #27 Porter not sampled
12/15/15	NS	NS		NS	NS	NS	NS	NS	NS		NS			NS NS NS	NS			0.707	NA	4.55				6.35 13.5/13.2		1.47											2015 Lower Harbor Debris Removal only. Location #59 Popes was collected but the media was found lying on the ground so it was not analyzed. Strong winds were
11/18/15 11/02/15	14.6 NS	NS NS		NS NS	12.6 NS	4.13 NS	NS NS	3.11 13.2	6.27	14.0 NS		NS 1	13.7	NS NS 35.4/38.4 NS NS NS				NS 5.68	NS 9.72	NS 25.4					NS 10.9												experienced during most of the evening. 2016 Hydraulic Dredaino in Ubger Harbor Area T. 2015 Lower Harbor Pre-debris removal.
10/14/15	22.6	16.4		17.4	4.48	13.0	42.8	19.5	7.32	23.6	NS	NS 1	17.4	NS NS 186	0.352									11.4													2015 Hydraulic Dredging in Upper Harbor - Area S; Samples 25, 27, 30, 42, 55 and one blank analyzed on 10 day TAT for submarine power cable removal activities. The pump for the duplicate sample at Station 550 - Area D failed to run the equivalent time
09/23/15	150	180		3.9	57/50d	8.1	19	16	50	63	NS	NS	42	NS NS 300	7.4									7.5													pump for the duplicate samples of Station 350 - Area D failed to un the equivalent time of the orimany sample and was voided. 2015 Hvdraulic Dredsino in Uccer Harbor Area H.
8/26/2015	62	46/35d		22	19	34	84	13	21	35	NS	NS	32	NS NS 1900	1.2									15											4	4	2015 Hydraulic Dredging in Upper Harbor - Area S. 2015 Pre-Dredge Samples for the Upper Harbor. Location #56 - Acushnet Park can no
7/21/2015	44	48		10	44	20	37	19	27	16	NS			NS NS NS	7.2	14								11 1.2 NS												4	2015 HR-Dreage samples for the upper Hartor. Location #56 - Acustinet Hark can no longer be used as a sampling station due to frequent vandalization of pump and/or media. 2015 Off Season Data Collection.
6/3/2015 4/22/2015	45 52	38 26		0.97 NA	20	4.2 3.4	8.6	1.2	5.6	13/14d 0.016	NS			NS NS NS	1.9 4.9	1.1 NS								1.2 NS 5.7 NS													2015 Off Season Data Collection and Pre-dredge sampling for the Upper Harbor.
4/6/2015	NS	NS		NS	NS	NS	NS	5.1	NS	NS	NS	NS 8	8.5	NS NS NS	NS	NS								2.2 NS													Himple 2 solicion 2/1 failed to fun long enclupin to collect a valoe sample so it valos not analyzed. Lower Hantor CAD Cell Construction Phase III (Post Top of CAD Cell dredgrig): Pump at Station Solical to nun the same duration as the duplicate so only the duplicate sample was analyzed. This sample is considered the primary sample so there is no duplicate for the loss of duplication event.
																																					sample was analyzed. This sample is considered the primary sample so there is no ducicate for this post-dredge sampling event. Lower Harbor CAD Cell Construction Phase II (Top of CAD Cell dredging); Stations 24,
3/11/2015	NS	0.55/0.39d		NS	0.19	NS	NS	0.53	0.15	_	NS			NS NS NS	0.12	NS								0.53 2.4										4		4	27, 42, and 43 were inaccessible for sampling due to obstructions from snowlice piles. Lower Harbor CAD Cell Construction Phase II (Top of CAD Cell dredging); that dredge
2/6/2015	NS 0.58	NS 0.55		NS 0.16	NS 0.11/0.15d	NS 0.87	NS 1.4	7	NS 0.075			NS ·	1.3	NS NS NS	NS 0.05	NS 0.12								0.15 NS 0.230 2.48												4	Lower Harbor CAD Leat Construction Phase II (106 or CAD Cell dredging); the dredge sample media was found broken at the dredge and therefore was not analyzed. Lower Harbor CAD Cell Construction Phase II (too of CAD Cell dredging). Rajid TAT data. Lower Harbor CAD Cell Construction Phase II (top of CAD Cell CAD Cell Cell Cell Center CAD Cell CAD Cell Center CAD Cell CAD Cell Center CAD Cell CAD
12/29/2014	NS NS	NS NS		NS NS	NS NS	NS NS	NS NS	0.98	NS NS	NS NS	NS NS	NS (NS NS NS	NS NS	NS NS								1.6/1.9d 3.5 2.3 3.5/4.6d													Rapid TAT data. Lower Harbor CAD Cell Construction Phase II (top of CAD Cell decidinal) Rapid turn around time (TAT) data. Lower Harbor CAD Cell Construction Phase II (top of CAD Cell dredaina). Reissue of data due to error in laboratory calculations.
12/18/2014	140	140			.*0		.10	1.0	60	NO	an		49		no	-10								د.a 3.5/4.6d	•												of CAD Cell dredging). Reissue of data due to error in laboratory calculations.

Table E-1 Ambient Air Monitoring Program - Total Detectable PCB Homologues New Bedford Harbor Superfund Site <u>Current as of 11/21/2023</u>

																					PCB Co (ng/m² in 24		ion by Loca -weighted																				
N N		4 Aerovox	25 Manome	t 25 Cliftex	27 Porter	30 Fibre	42 NSTAR	43 Verai				-					53 0	Dredge	5 Aerovox		t 57 Riversid	58 Pea	rl 59 Pop					Boathouse	64 Pilarim			67	68 Marsh	69 North	74 Beach		Lecuver	Lecuver .		9 Ball	 83 Beact	Riverban	nk l
1 1						Leather	North		14	sber C	omin	47	48	49	50	51	52		west	Park	Park			burn	Fent	ce Hous	50			Dredge	ston	Revere	Island	Street	51	Lecuyer	North	South	loward			Lofts	
1 0 1 0	2/15/2014	6.7	7.2		0.73	5.6	2.3	3.6	1	1.6	2.7	4.4	NS	NS	3.7/4.3d	NS	NS	NS	1.6	0.51									1.1	4.7													Lower Harbor CAD Cell Construction Phase II (top of CAD Cell dredging). Off-su data collection included on January 5, 2015 as received from laboratory.
	11/4/2014	43	21.4		9.9	26.8	8.9	17.4	2	4.2	21	4.85	NS	NS	7.43	NS	NS	NS	4.38	7.05									15.7/5.19d	NS													2014 Post-Dredge Operation for Upper Harbor. Pre-Dredge sampling for the L
	10/6/2014 9/3/2014	150 91						17 52.8	12	21 /10d 1	70	21 20.4	NS NS	NS NS										_			_			NS												-	2014 Hvdraulic Dredging in Areas L & S. 2014 Hvdraulic Dredging in Area R-east.
0 0	8/5/2014	75	72			61	17	37	1	17 4	42.2	55.1	NS	NS	23.4	NS	NS 2		NS	4.9																						-	2014 Hvdraulic Dredoing in Area R-east.
	6/16/2014	200	90		12/13d	100	25	35	2	27	50	25	NS	NS	20	NS	NS 3	320	NS	21									8.6														2014 Hydraulic Dredging in Area R.
Description	3/18/2014				0.35/0.42d	4.5	2.2	1.7	0.	41	ND	3.3	NS	NS	2.8	NS	NŚ												0.22	NS											=	=	2014 Pre-Dredge Samples for the Upper Harbor.
No. No. <td>12/19/2013</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.</td> <td>.32</td> <td></td> <td></td> <td></td> <td></td> <td>3.5/3.02d</td> <td></td> <td>3.13</td> <td>0.89</td> <td></td> <td>F</td> <td>-</td> <td></td>	12/19/2013								2.	.32					3.5/3.02d														3.13	0.89											F	-	
Image: Marrier Image: Marrier Image: Marrier <th< td=""><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td>-</td><td>_</td><td>_</td><td>_</td><td>_</td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td> <u> </u></td><td>4</td><td>Lower Harbor CAD Cell Construction Phase 1 (top of CAD Cell dredging).</td></th<>				_													_				-	_	_	_	_	_															 <u> </u>	4	Lower Harbor CAD Cell Construction Phase 1 (top of CAD Cell dredging).
	9/25/2013		26.5		2.65	14.7	8.05	11.2	N 1	NS BO	4.1 0/57d	NS 29	NS NS	NS 1	13 3/12 8d	NS	NS	NS 240	NS NS	NS NS									NS												F	-	
A A B	7/16/2013	240	110		8.1	130 NS	22	36	1	16	48	110 NS	NS NS	NS	69 NS	NS (NS (510 NS	NS NS	NS NS																						-	2013 Hvdraulic Dredoing in Area P.
0 0 <th0< th=""> 0</th0<>	3/26/2013								1	1.1							0.49	-											1.8/1.8d	NS											<u> </u>	-	2013 Pre-Dredge Samples for the Lower Harbor.
No	10/1/2012	98	18		17/18d	25	17	87			18	NS	NS	14	0.56	NS	NS	NS	15	NS						NA															1 1		was not analyzed. Due to several vandalized samples this station has been
No. No. <td>8/21/2012</td> <td>67</td> <td>28</td> <td></td> <td>23</td> <td>17</td> <td>19</td> <td>67</td> <td></td> <td>14</td> <td>4/16d</td> <td>NS</td> <td>NS</td> <td>20</td> <td>4</td> <td>NS</td> <td>NS</td> <td>NA</td> <td>0.00033</td> <td>NS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>18</td> <td></td> <td>2012 Hydraulic Dredging in Area P; Sample at Station 53 had insufficient air vo and was not analyzed.</td>	8/21/2012	67	28		23	17	19	67		14	4/16d	NS	NS	20	4	NS	NS	NA	0.00033	NS						18																	2012 Hydraulic Dredging in Area P; Sample at Station 53 had insufficient air vo and was not analyzed.
No. No. No. No. No. <td></td> <td>57</td> <td></td> <td>NS</td> <td>NS :</td> <td></td> <td>—</td> <td>-</td> <td>2012 Hydraulic Dredding in Area L. All samples collected were voided due to out of temperature specification upon a</td>														57		NS	NS :																								—	-	2012 Hydraulic Dredding in Area L. All samples collected were voided due to out of temperature specification upon a
Value Value <th< td=""><td></td><td></td><td></td><td>E7000.1</td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>at laboratory. 2012 Pre-Dredge Samples; Station 27 is a new location in 2012 season for ear</td></th<>				E7000.1					_								-										_																at laboratory. 2012 Pre-Dredge Samples; Station 27 is a new location in 2012 season for ear
10 10					0.81								-																														2011 Post-Dredge Operation.
Cont Cont Cont		480	NS	NS		120	29	61			93	NS	NS	220	0.62	NS	NS 4	460	28	57						NS																	2011 Hydraulic Dredging in Area N. Sample at Station 62 was tampered and
No. 0			NS											Od																													2011 Hydraulic Dredging in Area K.
No. No. <td>7/26/2011</td> <td></td> <td>NS NS</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NS NS</td> <td>NS NS</td> <td>NS NS</td> <td>NS NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>NS 93/97d</td> <td></td> <td>-</td> <td>-</td> <td>Excavation of Area Q. 2011 Pre-Dredge Samples: Station 63 is a new location in 2011 season for Are</td>	7/26/2011		NS NS								NS NS	NS NS	NS NS	NS NS	NS	NS	NS	NS	NS 93/97d																						-	-	Excavation of Area Q. 2011 Pre-Dredge Samples: Station 63 is a new location in 2011 season for Are
No No<	10/13/2010	80	NS	NS		36					21	NS	NS	24	4,4	NS	NS 560	NS 0/580d		5.9						1.1	1														-	-	2010 Post-Dredge Operation.
	7/20/2010	270	NS VS Z2 NS Z2 NS VS VS Z2 NS NS<															2010 Hydraulic Dredging.																									
No. No. <td></td> <td></td> <td colspan="15">NS NS 23 NS 25 47 NS NS NS NS 27 NS <</td> <td>2010 Hydrauic Dredging. Samples were damaged during shipment. Corrective</td>			NS NS 23 NS 25 47 NS NS NS NS 27 NS <															2010 Hydrauic Dredging. Samples were damaged during shipment. Corrective																									
	5/21/2010	86	NS NS<																																								
	12/16/2009	3.3	NS	NS		0.134	23.8	9.12		0	0.171	NS	NS	1.78	NS	0.18	NS	NS L	J.372/U.353	0.63		_	-	_		voic	1												-		 <u> </u>	-	· · · · · · · · · · · · · · · · · · ·
		45.2 48.8				20.4/31d	25.3	55.2							NS NS	2.92	NS :					_	_	_	_	_																	
1 0	9/17/2009		NS	NS							13	NS	NS	35	NS	42	NS	180	14	10/9.8d																					1 1		2009 Hydraulic Dredging.
1 1	7/13/2009	130	NS	NS		18	39	110			36	NS	NS	77/76d	NS	5.3	NS 2	290	7.4	6																					(
0 0	11/10/2008	NS	NS	NS		NS	NS	15			1.3	NS	NS	6.2	NS	ND	NS	NS	NS	NS	0.11	_																	-		 <u> </u>	-	2008 Post-Dredge Operation.
c c c c c c c c c c c c c c c c c c c				NS							5.2	NS	NS	NS	NS	NS	NS	NS	NS								_																
1 1	8/21/2008	NS	NS	NS		NS	NS	31.7			122	NS	NS	123/11	NS	2.85	NS ·	178	NS	NS	37.5																						
N <th< td=""><td>7/8/2008</td><td>NS</td><td colspan="14">MS MS <th< td=""><td>-</td></th<></td></th<>	7/8/2008	NS	MS MS <th< td=""><td>-</td></th<>														-																										
				NS															5.52 8.9																						 <u> </u>	-	2008 Land-Based Excavation of Shoreline at Aerovox. Sample Station 61 - S Fence was used only during the excavation timeframe.
1 1				NS							NS	NS	NS	NS	NS	NS	NS	NA																							—	-	-
arria bit bit<				20.2							1.86	9.29	NS	NS	NS	4.39	NS	NA	NS																								2007 Post-Dredge Operation.
vision vi	8/21/2007	282	NS	147		NS	19.2			-	36.1	46.9	NS	NS	36.7	NS	NS	138	NS	NS																							
Alt Alt Alt Alt Alt Alt Alt Alt Alt											108	NS	NS	157	NS	NS	197 13	3,400	NS			_	_	_	_	_	_														 <u> </u>	-	
14000 150 160 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>70.4</td> <td>39.2</td> <td>NS</td> <td>NS</td> <td>NS</td> <td>67.3</td> <td>NS 2</td> <td>,340</td> <td>NS 10.8</td> <td></td>										1	70.4	39.2	NS	NS	NS	67.3	NS 2	,340	NS 10.8																								
100 1	1/18/2005	15.9	NS	0.12		NS	63.6			0	0.14	NS	0.139	3.71	NS	NS	NS 9	913	0.12	3.76																							2005 Postibiledge Operatoric
1 1 <th1< th=""> 1 1 1</th1<>	10/6/2005	1,820	NS	251		NS	119				130	NS	60.1	114	81.7	NS	NS 6	,320	222	180																							2005 Martradio Dendoire
1 1000 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0 0 0	9/29/2005	383		104		NS	5.28				124	NS	17.3	44.2	24.2	NS	NS 3	391	87																								
1 1	9/15/2005	1490		58.2		NS	22.5			9	99.8	NS	14.9	83.6	0.52	NS	NS 1	280	37.6	102																							
011 01 <	12/3/2004	30	NS	27		NS	40				15	22	NS	26	22	NS	31	NA	9.33	1.52																							2005 Pre-Ureage Samples. 2004 Post-Dredge Operation.
variable variable <th< td=""><td>0/19/2004</td><td>559</td><td>NS</td><td>259</td><td></td><td>NS</td><td>NS</td><td></td><td></td><td></td><td>36</td><td>47</td><td>48</td><td>28 66</td><td>NS 17</td><td>NS 74</td><td>NS 3</td><td></td><td>28.4 NS</td><td>NS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>2004 Martradic Dendring</td></th<>	0/19/2004	559	NS	259		NS	NS				36	47	48	28 66	NS 17	NS 74	NS 3		28.4 NS	NS																							2004 Martradic Dendring
14:00 160 <th< td=""><td>9/23/2004</td><td>588</td><td>NS</td><td>97</td><td></td><td>NS</td><td>NS</td><td></td><td></td><td></td><td>5</td><td>7</td><td>10</td><td>17</td><td>6</td><td>5</td><td>19 1</td><td>.210</td><td>NS</td><td>NS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Loov Hyuman Drodging.</td></th<>	9/23/2004	588	NS	97		NS	NS				5	7	10	17	6	5	19 1	.210	NS	NS																							Loov Hyuman Drodging.
220 1/2 1	9/14/2004 9/9/2004	1.450	NS	229		NS NS	NS NS				145	28	37	56	20	16	61 47 ;	98	NS	NS																							
1 1	6/29/2004 vial C11 may	2,290	NS NS	NS 35		NS	NS				NS	NS	NS	NS	NS	56	NS		NS	NS																							No Dredging Activities.
10 10 <th< td=""><td></td><td>32</td><td>NS NS</td><td>3.2</td><td></td><td>NS</td><td>9.9</td><td></td><td></td><td></td><td>3.2</td><td>89</td><td>89</td><td>89</td><td>3.4</td><td>3.4</td><td>3.4</td><td></td><td>NS</td><td>NS</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>No Dredging Activities. Data from Foster-Wheeler.</td></th<>		32	NS NS	3.2		NS	9.9				3.2	89	89	89	3.4	3.4	3.4		NS	NS																							No Dredging Activities. Data from Foster-Wheeler.
Text discussion P = Mediagranda rest discussion P = Mediagranda rest discussion P = Mediagranda rest discussion P = Mediagranda	tos/		NS	46		NS	31				46	33	33	33	12	12	12																										1
	= field duplicate res	d but not analy			P = Pending r 124-hour time	esults weighted av	erage does n	ot apply to S	Stations #5:	3 and #65	(dredge/ba	rge) which	are on a 8-	hr collectio	n period																												
D = no detections (non-detect)	5 = not sampled		of air																																								
Some a station with any biological is a source station added to the six scenarios as descentioned station law activity	= no detections (non-detect)																																									
weeks same an in the An energy of a same same same of an energy of the anti-	s	ample station w	vith gray blocki	ng is a newer s	tation added to	the air sam	iling program o	or discontine	ued station	(no activit	ty).																																

