Table A-1

Phase 2 Target and Non-Target PCB Congeners Used in Analyses

Congener Number	Homologue Group	Congener Name	Target[a]
BZ #1	Mono	2-Chlorobiphenyl	Yes
BZ #2	Mono	3-Chlorobiphenyl	Yes
BZ #3	Mono	4-Chlorobiphenyl	Yes
BZ #4	Di	2,2'-Dichlorobiphenyl	Yes
BZ #5	Di	2,3-Dichlorobiphenyl	Yes
BZ #6	Di	2,3'-Dichlorobiphenyl	Yes
BZ #7	Di	2,4-Dichlorobiphenyl	Yes
BZ #8	Di	2,4'-Dichlorobiphenyl	Yes
BZ #9	Di	2,5-Dichlorobiphenyl	Yes
BZ #10	Di	2,6-Dichlorobiphenyl	Yes
BZ #12	Di	3,4-Dichlorobiphenyl	Yes
BZ #15	Di	4,4'-Dichlorobiphenyl	Yes
BZ #16	Tri	2,2',3-Trichlorobiphenyl	Yes
BZ #17	Tri	2,2',4-Trichlorobiphenyl	No
BZ #18	Tri	2,2',5-Trichlorobiphenyl	Yes
BZ #19	Tri	2,2',6-Trichlorobiphenyl	Yes
BZ #20	Tri	2,3,3'-Trichlorobiphenyl	No
BZ #22	Tri	2,3,4'-Trichlorobiphenyl	Yes
BZ #23	Tri	2,3,5-Trichlorobiphenyl	No
BZ #24	Tri	2,3,6-Trichlorobiphenyl	No
BZ #25	Tri	2,3',4-Trichlorobiphenyl	Yes
BZ #26	Tri	2,3',5-Trichlorobiphenyl	Yes
BZ #27	Tri	2,3',6-Trichlorobiphenyl	Yes
BZ #28	Tri	2,4,4'-Trichlorobiphenyl	Yes
BZ #29	Tri	2,4,5-Trichlorobiphenyl	Yes
BZ #31	Tri	2,4',5-Trichlorobiphenyl	Yes
BZ #32	Tri	2,4',6-Trichlorobiphenyl	No
BZ #33	Tri	2',3,4-Trichlorobiphenyl	No
BZ #34	Tri	2',3,5-Trichlorobiphenyl	No
BZ #37	Tri	3,4,4'-Trichlorobiphenyl	Yes

BZ #40	Tetra	2,2',3,3'-Tetrachlorobiphenyl	Yes
BZ #41	Tetra	2,2',3,4-Tetrachlorobiphenyl	Yes
BZ #42	Tetra	2,2',3,4'-Tetrachlorobiphenyl	No
BZ #44	Tetra	2,2',3,5'-Tetrachlorobiphenyl	Yes
BZ #45	Tetra	2,2',3,6-Tetrachlorobiphenyl	No
BZ #47	Tetra	2,2',4,4'-Tetrachlorobiphenyl	Yes
BZ #48	Tetra	2,2',4,5-Tetrachlorobiphenyl	No
BZ #49	Tetra	2,2',4,5'-Tetrachlorobiphenyl	Yes
BZ #51	Tetra	2,2',4,6'-Tetrachlorobiphenyl	No
BZ #52	Tetra	2,2',5,5'-Tetrachlorobiphenyl	Yes
BZ #53	Tetra	2,2',5,6'-Tetrachlorobiphenyl	Yes
BZ #56	Tetra	2,3,3',4'-Tetrachlorobiphenyl	Yes
BZ #58	Tetra	2,3,3',5'-Tetrachlorobiphenyl	No
BZ #60	Tetra	2,3,4,4'-Tetrachlorobiphenyl	No
BZ #63	Tetra	2,3,4',5-Tetrachlorobiphenyl	No
BZ #64	Tetra	2,3,4',6-Tetrachlorobiphenyl	No
BZ #66	Tetra	2,3',4,4'-Tetrachlorobiphenyl	Yes
BZ #67	Tetra	2,3',4,5-Tetrachlorobiphenyl	No
BZ #69	Tetra	2,3',4,6-Tetrachlorobiphenyl	No
BZ #70	Tetra	2,3',4',5-Tetrachlorobiphenyl	Yes
BZ #74	Tetra	2,4,4',5-Tetrachlorobiphenyl	No
BZ #75	Tetra	2,4,4',6-Tetrachlorobiphenyl	Yes
BZ #77	Tetra	3,3',4,4'-Tetrachlorobiphenyl	Yes
BZ #82	Penta	2,2',3,3',4-Pentachlorobiphenyl	Yes
BZ #83	Penta	2,2',3,3',5-Pentachlorobiphenyl	Yes
BZ #84	Penta	2,2',3,3',6-Pentachlorobiphenyl	Yes
BZ #85	Penta	2,2',3,4,4'-Pentachlorobiphenyl	Yes
BZ #87	Penta	2,2',3,4,5'-Pentachlorobiphenyl	Yes
BZ #88	Penta	2,2',3,4,6-Pentachlorobiphenyl	No
BZ #90	Penta	2,2',3,4',5-Pentachlorobiphenyl	No
BZ #91	Penta	2,2',3,4',6-Pentachlorobiphenyl	Yes
BZ #92	Penta	2,2',3,5,5'-Pentachlorobiphenyl	Yes
BZ #95	Penta	2,2',3,5',6-Pentachlorobiphenyl	Yes
BZ #96	Penta	2,2',3,6,6'-Pentachlorobiphenyl	No
BZ #97	Penta	2,2',3',4,5-Pentachlorobiphenyl	Yes
BZ #99	Penta	2,2',4,4',5-Pentachlorobiphenyl	Yes

BZ #101	Penta	2,2',4,5,5'-Pentachlorobiphenyl	Yes
BZ #105	Penta	2,3,3',4,4'-Pentachlorobiphenyl	Yes
BZ #107	Penta	2,3,3',4,5'-Pentachlorobiphenyl	Yes
BZ #110	Penta	2,3,3',4',6-Pentachlorobiphenyl	No
BZ #114	Penta	2,3,4,4',5-Pentachlorobiphenyl	No
BZ #115	Penta	2,3,4,4',6-Pentachlorobiphenyl	Yes
BZ #118	Penta	2,3',4,4',5-Pentachlorobiphenyl	Yes
BZ #119	Penta	2,3',4,4',6-Pentachlorobiphenyl	Yes
BZ #122	Penta	2',3,3',4,5-Pentachlorobiphenyl	Yes
BZ #123	Penta	2',3,4,4',5-Pentachlorobiphenyl	Yes
BZ #126	Penta	3,3',4,4',5-Pentachlorobiphenyl	Yes
BZ #128	Hexa	2,2',3,3',4,4'-Hexachlorobiphenyl	Yes
BZ #129	Hexa	2,2',3,3',4,5-Hexachlorobiphenyl	Yes
BZ #135	Hexa	2,2',3,3',5,6'-Hexachlorobiphenyl	No
BZ #136	Hexa	2,2',3,3',6,6'-Hexachlorobiphenyl	Yes
BZ #137	Hexa	2,2',3,4,4',5-Hexachlorobiphenyl	Yes
BZ #138	Hexa	2,2',3,4,4',5'-Hexachlorobiphenyl	Yes
BZ #140	Hexa	2,2',3,4,4',6'-Hexachlorobiphenyl	No
BZ #141	Hexa	2,2',3,4,5,5'-Hexachlorobiphenyl	Yes
BZ #143	Hexa	2,2',3,4,5,6-Hexachlorobiphenyl	No
BZ #144	Hexa	2,2',3,4,5',6-Hexachlorobiphenyl	No
BZ #146	Hexa	2,2',3,4',5,5'-Hexachlorobiphenyl	No
BZ #149	Hexa	2,2',3,4',5',6-Hexachlorobiphenyl	Yes
BZ #151	Hexa	2,2',3,5,5',6-Hexachlorobiphenyl	Yes
BZ #153	Hexa	2,2',4,4',5,5'-Hexachlorobiphenyl	Yes
BZ #156	Hexa	2,3,3',4,4',5-Hexachlorobiphenyl	No
BZ #157	Hexa	2,3,3',4,4',5'-Hexachlorobiphenyl	Yes
BZ #158	Hexa	2,3,3',4,4',6-Hexachlorobiphenyl	Yes
BZ #160	Hexa	2,3,3',4,5,6-Hexachlorobiphenyl	No
BZ #167	Hexa	2,3',4,4',5,5'-Hexachlorobiphenyl	Yes
BZ #168	Hexa	2,3',4,4',5',6-Hexachlorobiphenyl	No - Cal
BZ #169	Hexa	3,3',4,4',5,5'-Hexachlorobiphenyl	No
BZ #170	Hepta	2,2',3,3',4,4',5-Heptachlorobiphenyl	Yes
BZ #171	Hepta	2,2',3,3',4,4',6-Heptachlorobiphenyl	Yes
BZ #172	Hepta	2,2',3,3',4,5,5'-Heptachlorobiphenyl	No
BZ #174	Hepta	2,2',3,3',4,5,6'-Heptachlorobiphenyl	No

BZ #175	Hepta	2,2',3,3',4,5',6-Heptachlorobiphenyl	No
BZ #177	Hepta	2,2',3,3',4',5,6-Heptachlorobiphenyl	Yes
BZ #178	Hepta	2,2',3,3',5,5',6-Heptachlorobiphenyl	No
BZ #180	Hepta	2,2',3,4,4',5,5'-Heptachlorobiphenyl	Yes
BZ #183	Hepta	2,2',3,4,4',5',6-Heptachlorobiphenyl	Yes
BZ #184	Hepta	2,2',3,4,4',6,6'-Heptachlorobiphenyl	No
BZ #185	Hepta	2,2',3,4,5,5',6-Heptachlorobiphenyl	Yes
BZ #187	Hepta	2,2',3,4',5,5',6-Heptachlorobiphenyl	Yes
BZ #189	Hepta	2,3,3',4,4',5,5'-Heptachlorobiphenyl	Yes
BZ #190	Hepta	2,3,3',4,4',5,6-Heptachlorobiphenyl	Yes
BZ #191	Hepta	2,3,3',4,4',5',6-Heptachlorobiphenyl	Yes
BZ #192	Hepta	2,3,3',4,5,5',6-Heptachlorobiphenyl	No
BZ #193	Hepta	2,3,3',4',5,5',6-Heptachlorobiphenyl	Yes
BZ #194	Octa	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	Yes
BZ #195	Octa	2,2',3,3',4,4',5,6-Octachlorobiphenyl	Yes
BZ #196	Octa	2,2',3,3',4,4',5',6-Octachlorobiphenyl	Yes
BZ #197	Octa	2,2',3,3',4,4',6,6'-Octachlorobiphenyl	No
BZ #198	Octa	2,2',3,3',4,5,5',6-Octachlorobiphenyl	Yes
BZ #199	Octa	2,2',3,3',4,5,6,6'-Octachlorobiphenyl	Yes
BZ #200	Octa	2,2',3,3',4,5',6,6'-Octachlorobiphenyl	Yes
BZ #201	Octa	2,2',3,3',4',5,5',6-Octachlorobiphenyl	Yes
BZ #202	Octa	2,2',3,3',5,5',6,6'-Octachlorobiphenyl	Yes
BZ #203	Octa	2,2',3,4,4',5,5',6-Octachlorobiphenyl	No
BZ #205	Octa	2,3,3',4,4',5,5',6-Octachlorobiphenyl	Yes
BZ #206	Nona	2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	Yes
BZ #207	Nona	2,2',3,3',4,4',5,6,6'-Nonachlorobiphenyl	Yes
BZ #208	Nona	2,2',3,3',4,5,5',6,6'-Nonachlorobiphenyl	Yes
BZ #209	Deca	2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	Yes

Homologue Group	Congener Ratio[b]
Mono	3:3
Di	9:12
Tri	18:24
Tetra	23:42
Penta	23:46
Hexa	19:42
Hepta	16:24
Octa	11:12
Nona	3:3
Deca	1:1
Sum	126:209

Notes:

[a] *Yes: Target; No: Non-target; No - Cal: Calibrated non-target.*

[b] *Ratio of number of congeners used to total number of congeners in homologue group.*

Table A-2

Data Qualification Codes

Source of Qualifier	Definition of Qualifier Code	Data Validation/ Assessment Qualifier Code	Database Qualifier Code
Laboratory	Compound not detected above reporting limit of 0.1 ppb in extract for all PCB congeners (0.5 ppb in extract for the monochlorinated biphenyls). The reported value is the quantitation limit (QL).	U	U
Laboratory	Compound detected above reporting limit, but below calibration range. This qualifier is applied to any positive result that is less than the lowest calibration standard. The reported result is an estimated value, due to uncertainty in the reported value near the quantitation limit.	J	J
Laboratory	Compound concentration exceeds the calibration range. This qualifier is applied to any positive result that exceeds the calibration range. The laboratory may report some congeners with concentrations up to twice the concentration in the highest calibration standard, in order to report some very low concentrations and low quantitation limits. The reported result is an estimated value, due to uncertainty in the quantitation above the calibrated range of the instrument.	E	J
Laboratory	Specific column result used for quantitation due to confirmation column coelution. This qualifier designates congeners whose results are always quantitated from a specific column due to coelution with congeners or surrogates on the other column. The reported result should be considered an estimated value, due to inability to confirm the concentration of the result because of coelution on the other column. The S qualifier precludes the P qualifier since a %Difference (%D) between columns is excepted to be greater than 25% due to coelution on one column.	S	J

Source of Qualifier	Definition of Qualifier Code	Data Validation/ Assessment Qualifier Code	Database Qualifier Code
Laboratory	Tentative identification, specific column result used with no confirmation information. This qualifier designates congeners which could not be confirmed due to an interferant (or surrogate) peak, however, there is good reason to believe its presence. The reported value should be considered an estimated value, due to inability to confirm reported concentrations.	T	JN
Laboratory	Estimated concentration due to coelution on both columns. This qualifier designates congeners which coelute with congeners or surrogates on both analytical columns. In order to report a concentration for the congener of interest, the concentrations of the coeluting congeners are subtracted from it. Therefore, the reported result is an estimated value.	X	J
Laboratory	Confirmation column result exceeds reported result by more than 25%. This qualifier is applied to a congener result if the concentration on the quantitation and confirmation columns exceed the percent difference (%D) criteria of 25. The reported result is an estimated value, due to poor precision of results between columns.	P	J
Laboratory	Specific column or estimated result exceeds confirmation result by more than 25% despite expected confirmation coelution. This qualifier is applied to a congener result if the result from the quantitation column exceeds the confirmation result by more than 25 %D, even though the confirmation column result was expected to be greater due to coelution on the confirmation column. Therefore, the reported result should be considered an estimated value, bias high.	H	J
Data Validation	Estimated data due to exceeded quality control criteria. This qualifier is applied to data if problems with data quality are noted and estimation of the data is deemed necessary. Justification for qualification are given in the data validation report.	G	J

Source of Qualifier	Definition of Qualifier Code	Data Validation/ Assessment Qualifier Code	Database Qualifier Code
Data Validation	Reject data due to exceeded quality control criteria. This qualifier is applied to data if serious problems with data quality are noted and rejection of the data is deemed necessary. Justification for rejection of data are given in the data validation report. Rejected data are not usable and do not meet the data quality objectives of the program. No numerical value is reported.	R	R
Data Validation	The compound was also detected in associated blank(s). This qualifier is applied to GC/ECD results that are within five times the concentration detected in the associated blanks. The reported result may be considered not detected; a false positive is suspected due to blank contamination.	B	U
Data Validation	GC/ECD result at concentration within GC/ITD calibration range, but not confirmed by GC/ITD analysis. This qualifier is applied to GC/ECD results that are not confirmed by GC/ITD analysis, even though the results are at sufficient concentration to be detected by GC/ITD. The reported result is suspect as it may be a false positive.	Q	JN
Data Validation	Positive GC/ITD result was not detected by GC/ECD analysis or greater than five times GC/ECD result. This qualifier is applied to GC/ECD results if the concentration of the GC/ITD results are greater than five times the GC/ECD results. Also the nondetect GC/ECD result is qualified if a congener is detected by GC/ITD and not detected by GC/ECD. The reported result is suspect as it may be a false negative or a misidentification.	M	R
Data Validation	Presumptive evidence for the presence of a material. This qualifier is applied to GC/ECD results that exceeded the compound identification criteria. The reported result is suspect as it may be a false positive.	N	N
Data Management	Results generated by decoupling BZ #4 and 10 using regression analysis.	L	J

Source of Qualifier	Definition of Qualifier Code	Data Validation/ Assessment Qualifier Code	Database Qualifier Code
Data Management	Results updated by Aquatec due to revisions in GC column performance.	K	--
Data Management	Results requalified by QAO due to decisions made during data usability assessment.	Y	J

Table A-3

Holding Time Violations for High Resolution Coring Study

Core Number	SDG	Holding Time Exceeded	Problem
HR-021	172132	Extraction/Analytical	All samples (16) reextracted and reanalyzed 39 days past criteria.
HR-014	169803	Analytical-ITD	Two samples exceeded ITD criteria by a few days.
HR-019	171158	Analytical	All samples (19) exceeded holding times by nearly two months. Surrogate recoveries were good.
HR-027	172790	Analytical	Four samples exceeded by five days, one sample exceeded by two days.
HR-026	172776	Analytical	One sample exceeded by four days.
HR-028	172467	Extraction	Two samples exceeded by 11 days.
HR-020	171177	Analytical	Seven samples exceeded by 63 days.
HR-007	167188	Analytical	Four samples exceeded by a few days.
HR-011	169011	Analytical	One sample exceeded by a few days.
HR-024	172624	Extraction/Analytical	Six samples reextracted 56 days past holding times. One of those samples analyzed 35 days past holding times. Original problem involved method blank contamination. Both sets of data submitted.
HR-002	166425	Extraction	One sample exceeded by a few days.
		Analytical	Three samples exceeded by a few days.
HR-001	166308	Extraction	Three reextracts exceeded by a few days. One reextract exceeded by 40 days.
HR-009	167474	Analytical	All samples (24) exceeded by 1-2 days.
HR-008	167440	Analytical	Seven samples exceeded by a few days.

Table A-4

Sediment Data Unrejected Due to Poor OCN Recoveries

Core Number	SDG	Sample IDs
HR-018	170825	SB2976, 2968, 2979
HR-026	172776	SB1225, 1226, 1227, 1231
HR-010	168494	SB2126, 2128, 2129, 2132
HR-005	166783	SB0687, 0688, 0689, 0690, 2008, 2010
HR-027	172763	SB1211
HR-020	171177	SB3009, 3012, 3027
HR-023/024	172592	SB3079
HR-022	172148	SB3053, 3054, 3055, 3056, 3060, 3062
HR-011	169011	SB2147, 2150, 2158, 2160
HR-017	170805	SB2945, S946, 2947, 2959, 2964
HR-022	166425	SB0639
HR-011	169031	SB2164, 2166, 2172
HR-001	166308	SB0618, 0629
HR-015/016	170473	SB2896
HR-009	167474	SB2086, 2088, 2096, 2097, 2098, 2099, 2101, 2103
HR-006	167171	SB2014, 2015, 2016, 2017, 2018
HR-008	167440	SB2061, 2062, 2063, 2064, 2067, 2069, 2070, 2076, 2077, 2079, 2080, 2081, 2082, 2110
HR-013	169787	SB2851, 2854, 2856, 2857, 2860, 2862, 2865, 2867, 2868, 2870
HR-021	172132	SB3032, 2038, 3040, 3041, 3044
HR-012	169625	SB0614, 2183, 2184, 2187, 2189, 2191, 2193, 2195, 2196, 2198, 2199
HR-015/016	170310	SB2891, 2912, 2914, 2915, 2927, 2929, 2930, 2931, 2932, 2934, 2935, 2936
HR-014	169803	SB2871, 2872, 2874, 2876, 2883, 2884, 2887
HR-019	171158	SB2986

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-005-0812	1	BZ#1	ug/Kg DW	7.88	U	7.91	U	NC
HR-005-0812	4	BZ#4	ug/Kg DW	6.99	U	3.5	U	NC
HR-005-0812	8	BZ#8	ug/Kg DW	11.1	J	9.18	JN	19
HR-005-0812	10	BZ#10	ug/Kg DW	0.476	U	1.73	U	NC
HR-005-0812	18	BZ#18	ug/Kg DW	1.58	U	1.58	U	NC
HR-005-0812	19	BZ#19	ug/Kg DW	6.56	U	7	U	NC
HR-005-0812	28	BZ#28	ug/Kg DW	47.1	J	40.6	JN	15
HR-005-0812	52	BZ#52	ug/Kg DW	33.2	J	27.3	JN	20
HR-005-0812	101	BZ#101 & BZ#[90]	ug/Kg DW	30.8	J	27.4	JN	12
HR-005-0812	118	BZ#118	ug/Kg DW	25.9	J	20.8	JN	22
HR-005-0812	138	BZ#138	ug/Kg DW	41.4	J	34.1	JN	19
HR-005-0812	180	BZ#180	ug/Kg DW	28.8	J	23.6	JN	20
HR-005-2024	1	BZ#1	ug/Kg DW	7.19	U	7.62	U	NC
HR-005-2024	4	BZ#4	ug/Kg DW	2.09	U	2.24	U	NC
HR-005-2024	8	BZ#8	ug/Kg DW	8.97	J	9.91	J	-10
HR-005-2024	10	BZ#10	ug/Kg DW	0.721	U	2.67	U	NC
HR-005-2024	18	BZ#18	ug/Kg DW	1.44	U	1.52	U	NC
HR-005-2024	19	BZ#19	ug/Kg DW		R		R	NC
HR-005-2024	28	BZ#28	ug/Kg DW	37	J	45.8	J	-21
HR-005-2024	52	BZ#52	ug/Kg DW	38.3	J	34.7	J	10
HR-005-2024	101	BZ#101 & BZ#[90]	ug/Kg DW	21.7	J	31.2	J	-36
HR-005-2024	118	BZ#118	ug/Kg DW	19.8	J	26.7	J	-30
HR-005-2024	138	BZ#138	ug/Kg DW	31.1	J	40.7	J	-27
HR-005-2024	180	BZ#180	ug/Kg DW	18.2	J	23.6	J	-26
HR-005-3236	1	BZ#1	ug/Kg DW	5.24	U	5.15	U	NC
HR-005-3236	4	BZ#4	ug/Kg DW	0.848	U	1.03	U	NC
HR-005-3236	8	BZ#8	ug/Kg DW	1.05	U	1.03	U	NC
HR-005-3236	10	BZ#10	ug/Kg DW	0.327	U	1.03	U	NC
HR-005-3236	18	BZ#18	ug/Kg DW	1.05	U	2.85	U	NC
HR-005-3236	19	BZ#19	ug/Kg DW		R		R	NC
HR-005-3236	28	BZ#28	ug/Kg DW	1.05	U	1.03	U	NC
HR-005-3236	52	BZ#52	ug/Kg DW	1.05	U	6.54	J	NC
HR-005-3236	101	BZ#101 & BZ#[90]	ug/Kg DW	1.05	U	1.03	U	NC
HR-005-3236	118	BZ#118	ug/Kg DW	1.05	U	1.03	U	NC
HR-005-3236	138	BZ#138	ug/Kg DW	0.483	U	0.147	U	NC
HR-005-3236	180	BZ#180	ug/Kg DW		R	1.03	U	NC
HR-005-4044	1	BZ#1	ug/Kg DW		R		R	NC
HR-005-4044	4	BZ#4	ug/Kg DW	4.95	U	1.18	U	NC
HR-005-4044	8	BZ#8	ug/Kg DW	1.11	U	1.18	U	NC
HR-005-4044	10	BZ#10	ug/Kg DW	1.44	U	1.42	U	NC
HR-005-4044	18	BZ#18	ug/Kg DW	1.11	U	4.21	U	NC
HR-005-4044	19	BZ#19	ug/Kg DW		R		R	NC
HR-005-4044	28	BZ#28	ug/Kg DW	1.11	U	1.18	U	NC
HR-005-4044	52	BZ#52	ug/Kg DW	6.24	J	12.7	J	-68

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-005-4044	101	BZ#101 & BZ#[90]	ug/Kg DW	1.11	U	1.18	U	NC
HR-005-4044	118	BZ#118	ug/Kg DW	0.17	U		R	NC
HR-005-4044	138	BZ#138	ug/Kg DW	1.11	U	0.398	U	NC
HR-005-4044	180	BZ#180	ug/Kg DW	1.11	U	1.18	U	NC
HR-007-3640	1	BZ#1	ug/Kg DW	24	U	26.9	U	NC
HR-007-3640	4	BZ#4	ug/Kg DW	53.6	JN	98.7	J	-59
HR-007-3640	8	BZ#8	ug/Kg DW	18.8	J	46.3	J	-84
HR-007-3640	10	BZ#10	ug/Kg DW	3.55	JN	10.9	J	-102
HR-007-3640	18	BZ#18	ug/Kg DW	184	J	375	J	-68
HR-007-3640	19	BZ#19	ug/Kg DW	22.7	U	43.3	U	NC
HR-007-3640	28	BZ#28	ug/Kg DW	280	J	667	J	-82
HR-007-3640	52	BZ#52	ug/Kg DW	132	J	345	J	-89
HR-007-3640	101	BZ#101 & BZ#[90]	ug/Kg DW	42.3	J	125	J	-99
HR-007-3640	118	BZ#118	ug/Kg DW	30.4	J	96.2	J	-104
HR-007-3640	138	BZ#138	ug/Kg DW	20.9	J	63.1	J	-100
HR-007-3640	180	BZ#180	ug/Kg DW	9.22	U	21.4	JN	NC
HR-007-4852	1	BZ#1	ug/Kg DW	20.9	U	3.31	JN	NC
HR-007-4852	4	BZ#4	ug/Kg DW	156	J	257	J	-49
HR-007-4852	8	BZ#8	ug/Kg DW	76.4	J	124	J	-48
HR-007-4852	10	BZ#10	ug/Kg DW	15.3	J	16.8	J	-9
HR-007-4852	18	BZ#18	ug/Kg DW	350	JN	717	J	-69
HR-007-4852	19	BZ#19	ug/Kg DW	45	U	75.4	U	NC
HR-007-4852	28	BZ#28	ug/Kg DW	276	J	614	J	-76
HR-007-4852	52	BZ#52	ug/Kg DW	106	J	218	J	-69
HR-007-4852	101	BZ#101 & BZ#[90]	ug/Kg DW	34.2	J	55.8	J	-48
HR-007-4852	118	BZ#118	ug/Kg DW	25.7	J	42	J	-48
HR-007-4852	138	BZ#138	ug/Kg DW	19.4	J	28.7	J	-39
HR-007-4852	180	BZ#180	ug/Kg DW	6.6	U	9.36	U	NC
HR-008-4044	1	BZ#1	ug/Kg DW	30.9	U		R	NC
HR-008-4044	4	BZ#4	ug/Kg DW	449	J	268	U	NC
HR-008-4044	8	BZ#8	ug/Kg DW	368	J	245	J	40
HR-008-4044	10	BZ#10	ug/Kg DW	28.6	U	21.9	J	NC
HR-008-4044	18	BZ#18	ug/Kg DW	1830	J	780	J	80
HR-008-4044	19	BZ#19	ug/Kg DW	157		122	U	NC
HR-008-4044	28	BZ#28	ug/Kg DW	1960	J	936	J	71
HR-008-4044	52	BZ#52	ug/Kg DW	1020	J	524	J	64
HR-008-4044	101	BZ#101 & BZ#[90]	ug/Kg DW	187	J	134	J	33
HR-008-4044	118	BZ#118	ug/Kg DW	157		110	J	35
HR-008-4044	138	BZ#138	ug/Kg DW	85.9	J	66.7	J	25
HR-008-4044	180	BZ#180	ug/Kg DW	31.3		24.3	J	25
HR-009-1012	1	BZ#1	ug/Kg DW	4.78	U	9.6	U	NC
HR-009-1012	4	BZ#4	ug/Kg DW	21.2	U	18.1	U	NC
HR-009-1012	8	BZ#8	ug/Kg DW	16.3	JN	18.9	J	-15
HR-009-1012	10	BZ#10	ug/Kg DW	17.2	U	11.4	U	NC

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-009-1012	18	BZ#18	ug/Kg DW	R		105	JN	NC
HR-009-1012	19	BZ#19	ug/Kg DW	R		9.65	U	NC
HR-009-1012	28	BZ#28	ug/Kg DW	169	J	201	J	-17
HR-009-1012	52	BZ#52	ug/Kg DW	108	J	107	J	1
HR-009-1012	101	BZ#101 & BZ#[90]	ug/Kg DW	76.1	J	76.5	J	-1
HR-009-1012	118	BZ#118	ug/Kg DW	54.2	J	54	J	0
HR-009-1012	138	BZ#138	ug/Kg DW	64	J	61.7	J	4
HR-009-1012	180	BZ#180	ug/Kg DW	17.8	J	18.7	J	-5
HR-010-2024	1	BZ#1	ug/Kg DW	27.9	JN	23.5	JN	17
HR-010-2024	4	BZ#4	ug/Kg DW	52	J	39.1	J	28
HR-010-2024	8	BZ#8	ug/Kg DW	93	J	53.2	J	54
HR-010-2024	10	BZ#10	ug/Kg DW	7.76	J	7.26	J	7
HR-010-2024	18	BZ#18	ug/Kg DW	52.2	JN	36.4	JN	36
HR-010-2024	19	BZ#19	ug/Kg DW	13.7	U	8.65	U	NC
HR-010-2024	28	BZ#28	ug/Kg DW	131	J	112	J	16
HR-010-2024	52	BZ#52	ug/Kg DW	48	J	34.9	J	32
HR-010-2024	101	BZ#101& BZ#[90]	ug/Kg DW	20.1	J	14.1	J	35
HR-010-2024	118	BZ#118	ug/Kg DW	15.5	J	11.9	J	26
HR-010-2024	138	BZ#138	ug/Kg DW	15.7	J	9.86	J	46
HR-010-2024	180	BZ#180	ug/Kg DW	6.25	J	4.77	J	27
HR-011-1216	1	BZ#1	ug/Kg DW	25.7	JN	22.2	JN	15
HR-011-1216	4	BZ#4	ug/Kg DW	41.4	U	39.7	U	NC
HR-011-1216	8	BZ#8	ug/Kg DW	30	J	30.1	J	0
HR-011-1216	10	BZ#10	ug/Kg DW	8.46	J	7.35	J	14
HR-011-1216	18	BZ#18	ug/Kg DW	27.9	JN	28.3	JN	-1
HR-011-1216	19	BZ#19	ug/Kg DW	15.2	U	13.4	U	NC
HR-011-1216	28	BZ#28	ug/Kg DW	52.9	J	53.2		-1
HR-011-1216	52	BZ#52	ug/Kg DW	33.9	J	33.4		1
HR-011-1216	101	BZ#101& BZ#[90]	ug/Kg DW	22.9	J	23.6	J	-3
HR-011-1216	118	BZ#118	ug/Kg DW	17.1	J	16.7		2
HR-011-1216	138	BZ#138	ug/Kg DW	17.9	J	17.7	J	1
HR-011-1216	180	BZ#180	ug/Kg DW	6.53	JN	6.28	JN	4
HR-011-6064	1	BZ#1	ug/Kg DW	73.8	JN	112	JN	-41
HR-011-6064	4	BZ#4	ug/Kg DW	218	U	311	J	NC
HR-011-6064	8	BZ#8	ug/Kg DW	219	J	315	J	-36
HR-011-6064	10	BZ#10	ug/Kg DW	38.9	J	35.7	J	9
HR-011-6064	18	BZ#18	ug/Kg DW	163	JN	160	JN	2
HR-011-6064	19	BZ#19	ug/Kg DW	83	U	87.4	J	NC
HR-011-6064	28	BZ#28	ug/Kg DW	375		339	J	10
HR-011-6064	52	BZ#52	ug/Kg DW	223		211	J	6
HR-011-6064	101	BZ#101& BZ#[90]	ug/Kg DW	106	J	139	J	-27
HR-011-6064	118	BZ#118	ug/Kg DW	54.1		50.1	J	8
HR-011-6064	138	BZ#138	ug/Kg DW	117	J	151	J	-25
HR-011-6064	180	BZ#180	ug/Kg DW	116	JN	157	JN	-30

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-012-1216	1	BZ#1	ug/Kg DW	5.2	U	4.95	U	NC
HR-012-1216	4	BZ#4	ug/Kg DW	3.11	U	2.35	U	NC
HR-012-1216	8	BZ#8	ug/Kg DW	1.37	U	0.957	U	NC
HR-012-1216	10	BZ#10	ug/Kg DW	5.39	U	4.71	U	NC
HR-012-1216	18	BZ#18	ug/Kg DW	7.93	JN	7.12	JN	11
HR-012-1216	19	BZ#19	ug/Kg DW		R		R	NC
HR-012-1216	28	BZ#28	ug/Kg DW	7.28	J	5.64	J	25
HR-012-1216	52	BZ#52	ug/Kg DW	9.18	J	7.41	J	21
HR-012-1216	101	BZ#101 & BZ#[90]	ug/Kg DW	12.6	J	10.3	J	20
HR-012-1216	118	BZ#118	ug/Kg DW	10.5	J	8.72	J	19
HR-012-1216	138	BZ#138	ug/Kg DW	16.3	J	13.4	J	20
HR-012-1216	180	BZ#180	ug/Kg DW	5.56	JN	4.77	JN	15
HR-013-1216	1	BZ#1	ug/Kg DW	9.62	U	18.1	U	NC
HR-013-1216	4	BZ#4	ug/Kg DW	22.9	J	36.7	J	-46
HR-013-1216	8	BZ#8	ug/Kg DW	31.9	J	33.5	J	-5
HR-013-1216	10	BZ#10	ug/Kg DW	11.6	J	14.6	J	-23
HR-013-1216	18	BZ#18	ug/Kg DW	52	JN	48.2	JN	8
HR-013-1216	19	BZ#19	ug/Kg DW	9.49	U	11.3	U	NC
HR-013-1216	28	BZ#28	ug/Kg DW	121	J	124	J	-2
HR-013-1216	52	BZ#52	ug/Kg DW	39.6	J	40.7	J	-3
HR-013-1216	101	BZ#101& BZ#[90]	ug/Kg DW	17.9	J	17.7	J	1
HR-013-1216	118	BZ#118	ug/Kg DW	16.1	J	16.4	J	-2
HR-013-1216	138	BZ#138	ug/Kg DW	12.7	J	13.3	J	-5
HR-013-1216	180	BZ#180	ug/Kg DW	5.32	J	5.65	J	-6
HR-014-3236	1	BZ#1	ug/Kg DW	3.45	U	3.54	U	NC
HR-014-3236	4	BZ#4	ug/Kg DW	3.21	U	2.88	U	NC
HR-014-3236	8	BZ#8	ug/Kg DW		R	0.102	U	NC
HR-014-3236	10	BZ#10	ug/Kg DW	2.19	J	6.45	U	NC
HR-014-3236	18	BZ#18	ug/Kg DW	0.689	U	0.707	U	NC
HR-014-3236	19	BZ#19	ug/Kg DW	0.689	U	0.707	U	NC
HR-014-3236	28	BZ#28	ug/Kg DW	0.825	U	0.283	U	NC
HR-014-3236	52	BZ#52	ug/Kg DW	0.153	U	0.707	U	NC
HR-014-3236	101	BZ#101 & BZ#[90]	ug/Kg DW	0.689	U	0.707	U	NC
HR-014-3236	118	BZ#118	ug/Kg DW	0.689	U	0.707	U	NC
HR-014-3236	138	BZ#138	ug/Kg DW	0.0896	U	0.707	U	NC
HR-014-3236	180	BZ#180	ug/Kg DW	0.689	U	0.707	U	NC
HR-015-2832	1	BZ#1	ug/Kg DW		R		R	NC
HR-015-2832	4	BZ#4	ug/Kg DW	894	J	355	J	86
HR-015-2832	8	BZ#8	ug/Kg DW	745	J	396	J	61
HR-015-2832	10	BZ#10	ug/Kg DW	36.4	J	21.8	J	50
HR-015-2832	18	BZ#18	ug/Kg DW	444	J	200	JN	76
HR-015-2832	19	BZ#19	ug/Kg DW	220	J	92	U	NC
HR-015-2832	28	BZ#28	ug/Kg DW	440	J	245	J	57
HR-015-2832	52	BZ#52	ug/Kg DW	327	J	141	J	79

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-015-2832	101	BZ#101& BZ#[90]	ug/Kg DW	37.1	J	18	J	69
HR-015-2832	118	BZ#118	ug/Kg DW	30.7	J	16.6	J	60
HR-015-2832	138	BZ#138	ug/Kg DW	26	J	12.7	J	69
HR-015-2832	180	BZ#180	ug/Kg DW	8.72	J	4.09	J	72
HR-016-1216	1	BZ#1	ug/Kg DW	95.4	U	82.8	JN	NC
HR-016-1216	4	BZ#4	ug/Kg DW	321	U	330	J	NC
HR-016-1216	8	BZ#8	ug/Kg DW	358	U	298	JN	NC
HR-016-1216	10	BZ#10	ug/Kg DW	16.2	J	13.7	J	17
HR-016-1216	18	BZ#18	ug/Kg DW	208	JN	182	J	13
HR-016-1216	19	BZ#19	ug/Kg DW	112	U	106	J	
HR-016-1216	28	BZ#28	ug/Kg DW	268	J	192	J	33
HR-016-1216	52	BZ#52	ug/Kg DW	204	J	159	J	25
HR-016-1216	101	BZ#101 & BZ#[90]	ug/Kg DW	40.1	J	29.6	J	30
HR-016-1216	118	BZ#118	ug/Kg DW	28.3	J	20.8	J	31
HR-016-1216	138	BZ#138	ug/Kg DW	26.4	J	18.3	J	36
HR-016-1216	180	BZ#180	ug/Kg DW	8.99	J	5.76	J	44
HR-016-6872	1	BZ#1	ug/Kg DW	3.53	U	3.63	U	NC
HR-016-6872	4	BZ#4	ug/Kg DW	3.43	U	6.26	U	NC
HR-016-6872	8	BZ#8	ug/Kg DW	0.771	U	1.79	U	NC
HR-016-6872	10	BZ#10	ug/Kg DW	4.42	U	3.71	U	NC
HR-016-6872	18	BZ#18	ug/Kg DW	5.94	JN	7.28	JN	-20
HR-016-6872	19	BZ#19	ug/Kg DW		R		R	NC
HR-016-6872	28	BZ#28	ug/Kg DW	0.379	U	1.69	J	NC
HR-016-6872	52	BZ#52	ug/Kg DW	0.449	U	1.71	J	NC
HR-016-6872	101	BZ#101& BZ#[90]	ug/Kg DW	0.258	U	0.599	U	NC
HR-016-6872	118	BZ#118	ug/Kg DW	0.277	U	0.399	U	NC
HR-016-6872	138	BZ#138	ug/Kg DW	0.505	U	0.659	J	NC
HR-016-6872	180	BZ#180	ug/Kg DW	0.719	J	0.675	J	6
HR-017-1216	1	BZ#1	ug/Kg DW	5.81	U	5.83	U	NC
HR-017-1216	4	BZ#4	ug/Kg DW	4.51	U	2.05	U	NC
HR-017-1216	8	BZ#8	ug/Kg DW	0.559	R	0.794	U	NC
HR-017-1216	10	BZ#10	ug/Kg DW	3.74	U	3.32	U	NC
HR-017-1216	18	BZ#18	ug/Kg DW	3.86	U	5.81	U	NC
HR-017-1216	19	BZ#19	ug/Kg DW	1.16	U	1.17	U	NC
HR-017-1216	28	BZ#28	ug/Kg DW	2.5	U	3.03	U	NC
HR-017-1216	52	BZ#52	ug/Kg DW	1.67	U	2.07	U	NC
HR-017-1216	101	BZ#101& BZ#[90]	ug/Kg DW	0.758	U	0.895	U	NC
HR-017-1216	118	BZ#118	ug/Kg DW	0.681	U	0.811	U	NC
HR-017-1216	138	BZ#138	ug/Kg DW	1.22	J	1.14	J	7
HR-017-1216	180	BZ#180	ug/Kg DW	1.72	U	2.23	J	NC
HR-018-0812	1	BZ#1	ug/Kg DW	58300	JN	19600	JN	99
HR-018-0812	4	BZ#4	ug/Kg DW	63200	J	13700	J	129
HR-018-0812	8	BZ#8	ug/Kg DW	10800	J	5420	J	66
HR-018-0812	10	BZ#10	ug/Kg DW	13600	J	2830	J	131

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-018-0812	18	BZ#18	ug/Kg DW	4630	J	1400	J	107
HR-018-0812	19	BZ#19	ug/Kg DW	12800	J	2340	J	138
HR-018-0812	28	BZ#28	ug/Kg DW	1270	J	1350		-6
HR-018-0812	52	BZ#52	ug/Kg DW	6660	J	1940	J	110
HR-018-0812	101	BZ#101 & BZ#[90]	ug/Kg DW	986	J	251	J	119
HR-018-0812	118	BZ#118	ug/Kg DW	269	J	55.7	JN	131
HR-018-0812	138	BZ#138	ug/Kg DW	404	J	1370	J	-109
HR-018-0812	180	BZ#180	ug/Kg DW	130	J	360	U	NC
HR-019-2024	1	BZ#1	ug/Kg DW	648000	JN	863000	JN	-28
HR-019-2024	4	BZ#4	ug/Kg DW	673000	J	1020000	J	-41
HR-019-2024	8	BZ#8	ug/Kg DW	40500	J	68500	J	-51
HR-019-2024	10	BZ#10	ug/Kg DW	93100	J	138000	J	-39
HR-019-2024	18	BZ#18	ug/Kg DW	9810	U	11900	U	NC
HR-019-2024	19	BZ#19	ug/Kg DW	74800	U	114000	J	NC
HR-019-2024	28	BZ#28	ug/Kg DW	2580	U	3120	U	NC
HR-019-2024	52	BZ#52	ug/Kg DW	18200	J	23500	J	-25
HR-019-2024	101	BZ#101 & BZ#[90]	ug/Kg DW	2420	J	3020	J	-22
HR-019-2024	118	BZ#118	ug/Kg DW	3650	U	389	J	NC
HR-019-2024	138	BZ#138	ug/Kg DW	1460	J	1580	J	-8
HR-019-2024	180	BZ#180	ug/Kg DW	624	U	673	U	NC
HR-020-2832	1	BZ#1	ug/Kg DW	141000	JN	58200	JN	83
HR-020-2832	4	BZ#4	ug/Kg DW	215000	J	78100	J	93
HR-020-2832	8	BZ#8	ug/Kg DW	14500	J	10200	J	35
HR-020-2832	10	BZ#10	ug/Kg DW	31000	J	11000	J	95
HR-020-2832	18	BZ#18	ug/Kg DW	2270	J	1530	J	39
HR-020-2832	19	BZ#19	ug/Kg DW	36700	J	11300	U	NC
HR-020-2832	28	BZ#28	ug/Kg DW	2540	J	1940	J	27
HR-020-2832	52	BZ#52	ug/Kg DW	4000	J	1620	J	85
HR-020-2832	101	BZ#101 & BZ#[90]	ug/Kg DW	145	J	467	U	NC
HR-020-2832	118	BZ#118	ug/Kg DW	701	U	467	U	NC
HR-020-2832	138	BZ#138	ug/Kg DW	1390	J	387	U	NC
HR-020-2832	180	BZ#180	ug/Kg DW	104	J	65	J	46
HR-021-2024	1	BZ#1	ug/Kg DW	6940	U	2180	JN	NC
HR-021-2024	4	BZ#4	ug/Kg DW	11900	U	3310	U	NC
HR-021-2024	8	BZ#8	ug/Kg DW	5140	J	1710	J	100
HR-021-2024	10	BZ#10	ug/Kg DW	2010	U	466	U	NC
HR-021-2024	18	BZ#18	ug/Kg DW	1560	J	791	J	65
HR-021-2024	19	BZ#19	ug/Kg DW	3570	U	897	U	NC
HR-021-2024	28	BZ#28	ug/Kg DW	1100	J	593	J	60
HR-021-2024	52	BZ#52	ug/Kg DW	1400	U	643	J	NC
HR-021-2024	101	BZ#101 & BZ#[90]	ug/Kg DW	103	U	85.9	J	NC
HR-021-2024	118	BZ#118	ug/Kg DW	65	U	51	J	NC
HR-021-2024	138	BZ#138	ug/Kg DW	97.5	U	55.4	J	NC
HR-021-2024	180	BZ#180	ug/Kg DW	29.7	U	19.6	J	NC

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-022-2024	1	BZ#1	ug/Kg DW	321	U	359	U	NC
HR-022-2024	4	BZ#4	ug/Kg DW	543	J	588	J	-8
HR-022-2024	8	BZ#8	ug/Kg DW	348	JN	314	JN	10
HR-022-2024	10	BZ#10	ug/Kg DW	125	U	137	U	NC
HR-022-2024	18	BZ#18	ug/Kg DW	151	JN	156	JN	-3
HR-022-2024	19	BZ#19	ug/Kg DW	170	J	177		-4
HR-022-2024	28	BZ#28	ug/Kg DW	351	J	361	J	-3
HR-022-2024	52	BZ#52	ug/Kg DW	216	J	221		-2
HR-022-2024	101	BZ#101& BZ#[90]	ug/Kg DW	71.7	J	72.3	J	-1
HR-022-2024	118	BZ#118	ug/Kg DW	55.7	J	53.6		4
HR-022-2024	138	BZ#138	ug/Kg DW	46.5	J	41.5	J	11
HR-022-2024	180	BZ#180	ug/Kg DW	14.6	J	12	J	20
HR-023-2024	1	BZ#1	ug/Kg DW	367000	JN	31000	JN	169
HR-023-2024	4	BZ#4	ug/Kg DW	260000	J	29300	J	159
HR-023-2024	8	BZ#8	ug/Kg DW	21600	JN	11300	JN	63
HR-023-2024	10	BZ#10	ug/Kg DW	70100	J	7720	J	160
HR-023-2024	18	BZ#18	ug/Kg DW	8990	J	1390	J	146
HR-023-2024	19	BZ#19	ug/Kg DW	52800	J	9350	J	140
HR-023-2024	28	BZ#28	ug/Kg DW	835	U	1050	J	NC
HR-023-2024	52	BZ#52	ug/Kg DW	8640	J	1920	J	127
HR-023-2024	101	BZ#101& BZ#[90]	ug/Kg DW	2450	J	251	J	163
HR-023-2024	118	BZ#118	ug/Kg DW	686	J	39.1	U	NC
HR-023-2024	138	BZ#138	ug/Kg DW	1130	J	123	J	161
HR-023-2024	180	BZ#180	ug/Kg DW	316	J	34.2	J	161
HR-026-0812	1	BZ#1	ug/Kg DW	22500	JN	29400	JN	-27
HR-026-0812	4	BZ#4	ug/Kg DW	42700	J	51600	J	-19
HR-026-0812	8	BZ#8	ug/Kg DW	18800	J	17900	J	5
HR-026-0812	10	BZ#10	ug/Kg DW	8830	J	10400	J	-16
HR-026-0812	18	BZ#18	ug/Kg DW	3740		2980		23
HR-026-0812	19	BZ#19	ug/Kg DW	14800	J	16100	J	-8
HR-026-0812	28	BZ#28	ug/Kg DW	1870		1840		2
HR-026-0812	52	BZ#52	ug/Kg DW	3890		3500		11
HR-026-0812	101	BZ#101 & BZ#[90]	ug/Kg DW	497	J	523	J	-5
HR-026-0812	118	BZ#118	ug/Kg DW	230		322		-33
HR-026-0812	138	BZ#138	ug/Kg DW	374	J	394	J	-5
HR-026-0812	180	BZ#180	ug/Kg DW	141	U	138	U	NC
HR-027-1216	1	BZ#1	ug/Kg DW	11.8	U	8	U	NC
HR-027-1216	4	BZ#4	ug/Kg DW	12.3	U	1.6	U	NC
HR-027-1216	8	BZ#8	ug/Kg DW	13.1	U	4.19	J	NC
HR-027-1216	10	BZ#10	ug/Kg DW	2.36	U	1.6	U	NC
HR-027-1216	18	BZ#18	ug/Kg DW	9.15	JN	8.63	JN	6
HR-027-1216	19	BZ#19	ug/Kg DW		R	1.6	U	NC
HR-027-1216	28	BZ#28	ug/Kg DW	20.5		17.6		15
HR-027-1216	52	BZ#52	ug/Kg DW	8.64		8.54		1

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-5
High Resolution Cores PCB Field Co-located Samples
Hudson River PCB Reassessment

TAMS ID	BZ	Parameter	Units	Field Co-Locate 1	Qualifier	Field Co-Locate 2	Qualifier	RPD (%)
HR-027-1216	101	BZ#101 & BZ#[90]	ug/Kg DW	9.08	J	16.6	J	-59
HR-027-1216	118	BZ#118	ug/Kg DW	6.58		8.95		-31
HR-027-1216	138	BZ#138	ug/Kg DW	8.61	J	16.8	J	-64
HR-027-1216	180	BZ#180	ug/Kg DW	8.32	J	24	J	-97
HR-028-1620	1	BZ#1	ug/Kg DW	9830	JN	6470	JN	41
HR-028-1620	4	BZ#4	ug/Kg DW	30600	J	17700	J	53
HR-028-1620	8	BZ#8	ug/Kg DW	24700	JN	17300	JN	35
HR-028-1620	10	BZ#10	ug/Kg DW	1670	J	858	J	64
HR-028-1620	18	BZ#18	ug/Kg DW	1360	U	1520	U	NC
HR-028-1620	19	BZ#19	ug/Kg DW	7820	U	3990	U	NC
HR-028-1620	28	BZ#28	ug/Kg DW	3120	J	7260	J	-80
HR-028-1620	52	BZ#52	ug/Kg DW	1490		2240		-40
HR-028-1620	101	BZ#101 & BZ#[90]	ug/Kg DW	697	J	1100	J	-45
HR-028-1620	118	BZ#118	ug/Kg DW	449	U	830		NC
HR-028-1620	138	BZ#138	ug/Kg DW	465	U	411	U	NC
HR-028-1620	180	BZ#180	ug/Kg DW	173	U	134	U	NC
HR-029-0002	1	BZ#1	ug/Kg DW	27.7	JN	33.6	JN	-19
HR-029-0002	4	BZ#4	ug/Kg DW	227	J	500	J	-75
HR-029-0002	8	BZ#8	ug/Kg DW	5.3	J	6.12	J	-14
HR-029-0002	10	BZ#10	ug/Kg DW	5.65	J	6.55	J	-15
HR-029-0002	18	BZ#18	ug/Kg DW	2.44	J	2.37	JN	3
HR-029-0002	19	BZ#19	ug/Kg DW	4.7	J	5.59	J	-17
HR-029-0002	28	BZ#28	ug/Kg DW	4.44	J	5.37	J	-19
HR-029-0002	52	BZ#52	ug/Kg DW	4.51	J	5.59	J	-21
HR-029-0002	101	BZ#101 & BZ#[90]	ug/Kg DW	5.82	J	7	J	-18
HR-029-0002	118	BZ#118	ug/Kg DW	5.74	J	6.94	J	-19
HR-029-0002	138	BZ#138	ug/Kg DW	7.04	J	8.55	J	-19
HR-029-0002	180	BZ#180	ug/Kg DW	2.36	J	2.92	J	-21

NC - Not calculated because PCB congener was not detected or rejected in one or both samples.

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-6
PCB Detects Changed to Non-detects
High Resolution Sediment Core Study
Hudson River RI/FS PCB Reassessment

Congener Name	Number of results considered nondetect*	Total number of results	Percentage of results considered nondetect*
BZ#1	53	495	11
BZ#2	93	495	19
BZ#3	110	495	22
BZ#4	93	495	19
BZ#5	32	495	6
BZ#6	56	495	11
BZ#7	110	495	22
BZ#8	77	495	16
BZ#9	82	495	17
BZ#10	80	495	16
BZ#12	116	495	23
BZ#15	68	495	14
BZ#16	89	495	18
BZ#18	57	495	12
BZ#19	212	495	43
BZ#22	74	495	15
BZ#25	61	495	12
BZ#26	38	495	8
BZ#27	85	495	17
BZ#28	43	495	9
BZ#29	128	495	26
BZ#31	75	495	15
BZ#37	60	495	12
BZ#40	31	495	6
BZ#41	67	495	14
BZ#44	63	495	13
BZ#47	43	495	9
BZ#49	91	495	18
BZ#52	39	495	8
BZ#53	34	495	7
BZ#56	40	495	8
BZ#66	54	495	11
BZ#70	20	495	4
BZ#75	25	495	5
BZ#77	76	495	15
BZ#82	55	495	11
BZ#83	95	495	19
BZ#84	77	495	16
BZ#85	45	495	9

Table A-6
PCB Detects Changed to Non-detects
High Resolution Sediment Core Study
Hudson River RI/FS PCB Reassessment

Congener Name	Number of results considered nondetect*	Total number of results	Percentage of results considered nondetect*
BZ#87	54	495	11
BZ#91	67	495	14
BZ#92	45	495	9
BZ#95	27	495	5
BZ#97	34	495	7
BZ#99	33	495	7
BZ#105	76	495	15
BZ#107	108	495	22
BZ#115	3	495	1
BZ#118	38	495	8
BZ#119	99	495	20
BZ#122	145	495	29
BZ#123	64	495	13
BZ#126	155	495	31
BZ#128	226	495	46
BZ#129	39	495	8
BZ#136	36	495	7
BZ#137	104	495	21
BZ#138	29	495	6
BZ#141	91	495	18
BZ#149	11	495	2
BZ#151	15	495	3
BZ#153	62	495	13
BZ#157	117	495	24
BZ#158	114	495	23
BZ#167	77	495	16
BZ#170	96	495	19
BZ#171	97	495	20
BZ#177	44	495	9
BZ#180	68	495	14
BZ#183	74	495	15
BZ#185	150	495	30
BZ#187	103	495	21
BZ#189	72	495	15
BZ#190	147	495	30
BZ#191	52	495	11
BZ#193	113	495	23
BZ#194	154	495	31
BZ#195	128	495	26

Table A-6
PCB Detects Changed to Non-detects
High Resolution Sediment Core Study
Hudson River RI/FS PCB Reassessment

Congener Name	Number of results considered nondetect*	Total number of results	Percentage of results considered nondetect*
BZ#196	75	495	15
BZ#198	23	495	5
BZ#199	70	495	14
BZ#200	98	495	20
BZ#201	103	495	21
BZ#202	26	495	5
BZ#205	18	495	4
BZ#206	114	495	23
BZ#207	51	495	10
BZ#208	106	495	21
BZ#209	111	495	22

Note * - Results were considered nondetect due to suspected false positive as indicated by blank contamination

Table A-6
PCB Detects Changed to Non-detects
High Resolution Sediment Core Study
Hudson River RI/FS PCB Reassessment

Congener Name	Number of results considered nondetect*	Total number of results	Percentage of results considered nondetect*
BZ#87	54	495	11
BZ#91	67	495	14
BZ#92	45	495	9
BZ#95	27	495	5
BZ#97	34	495	7
BZ#99	33	495	7
BZ#105	76	495	15
BZ#107	108	495	22
BZ#115	3	495	1
BZ#118	38	495	8
BZ#119	99	495	20
BZ#122	145	495	29
BZ#123	64	495	13
BZ#126	155	495	31
BZ#128	226	495	46
BZ#129	39	495	8
BZ#136	36	495	7
BZ#137	104	495	21
BZ#138	29	495	6
BZ#141	91	495	18
BZ#149	11	495	2
BZ#151	15	495	3
BZ#153	62	495	13
BZ#157	117	495	24
BZ#158	114	495	23
BZ#167	77	495	16
BZ#170	96	495	19
BZ#171	97	495	20
BZ#177	44	495	9
BZ#180	68	495	14
BZ#183	74	495	15
BZ#185	150	495	30
BZ#187	103	495	21
BZ#189	72	495	15
BZ#190	147	495	30
BZ#191	52	495	11
BZ#193	113	495	23
BZ#194	154	495	31
BZ#195	128	495	26

Table A-6
PCB Detects Changed to Non-detects
High Resolution Sediment Core Study
Hudson River RI/FS PCB Reassessment

Congener Name	Number of results considered nondetect*	Total number of results	Percentage of results considered nondetect*
BZ#196	75	495	15
BZ#198	23	495	5
BZ#199	70	495	14
BZ#200	98	495	20
BZ#201	103	495	21
BZ#202	26	495	5
BZ#205	18	495	4
BZ#206	114	495	23
BZ#207	51	495	10
BZ#208	106	495	21
BZ#209	111	495	22

Note * - Results were considered nondetect due to suspected false positive as indicated by blank contamination

Table A-7
High-Resolution Coring Sample Summary
Hudson River RI/FS PCB Reassessment

Congener Name	Total Number of Results	Unqualified Nondetects	Estimated Nondetects	Unqualified Detects	Estimated Detects	Values Qualified with K	Rejected Results	% Rejected
BZ#1	495	67	189	1	224	6	14	3%
BZ#2	495	115	288	0	0	10	92	19%
BZ#3	495	74	209	7	74	6	131	26%
BZ#4	495	12	208	0	264	88	11	2%
BZ#5	495	147	206	0	115	5	27	5%
BZ#6	495	36	92	121	232	2	14	3%
BZ#7	495	116	252	0	112	3	15	3%
BZ#8	495	12	99	8	367	2	9	2%
BZ#9	495	56	172	0	253	3	14	3%
BZ#10	495	24	193	0	272	84	6	1%
BZ#12	495	39	180	0	256	2	20	4%
BZ#15	495	35	128	0	310	5	22	4%
BZ#16	495	46	161	0	276	5	12	2%
BZ#17 Non-Target	495	68	3	0	424	6	0	0%
BZ#18	495	25	99	48	311	0	12	2%
BZ#19	495	65	227	35	90	2	78	16%
BZ#20 Non-Target	495	9	125	0	361	474	0	0%
BZ#21 Non-Target	14	14	0	0	0	0	0	0%
BZ#22	495	24	104	125	234	2	8	2%
BZ#23 Non-Target	495	406	15	0	74	15	0	0%
BZ#24 Non-Target	495	158	3	0	334	3	0	0%
BZ#25	495	21	102	94	257	1	21	4%
BZ#26	495	16	87	0	381	136	11	2%
BZ#27	495	34	140	0	316	2	5	1%
BZ#28	495	11	71	104	302	2	7	1%
BZ#29	495	60	203	0	191	3	41	8%

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-7
High-Resolution Coring Sample Summary
Hudson River RI/FS PCB Reassessment

Congener Name	Total Number of Results	Unqualified Nondetects	Estimated Nondetects	Unqualified Detects	Estimated Detects	Values Qualified with K	Rejected Results	% Rejected
BZ#31	495	19	98	106	260	2	12	2%
BZ#32 Non-Target	495	44	3	0	448	5	0	0%
BZ#33 Non-Target	495	17	105	0	373	474	0	0%
BZ#34 Non-Target	495	281	13	13	188	13	0	0%
BZ#37	495	13	92	0	388	446	2	0%
BZ#40	495	49	91	59	243	2	53	11%
BZ#41	495	55	138	0	249	2	53	11%
BZ#42 Non-Target	495	51	7	0	437	22	0	0%
BZ#44	495	12	95	0	383	2	5	1%
BZ#45 Non-Target	495	84	3	0	408	3	0	0%
BZ#47	495	13	77	0	385	2	20	4%
BZ#48 Non-Target	495	199	12	116	168	107	0	0%
BZ#49	495	16	114	104	225	2	36	7%
BZ#51 Non-Target	495	0	45	27	423	447	0	0%
BZ#52	495	19	54	156	264	2	2	0%
BZ#53	495	23	150	60	246	111	16	3%
BZ#54 Non-Target	14	14	0	0	0	0	0	0%
BZ#56	495	29	84	0	377	2	5	1%
BZ#58 Non-Target	495	254	3	0	238	3	0	0%
BZ#60 Non-Target	495	113	3	0	379	3	0	0%
BZ#63 Non-Target	495	1	286	0	208	474	0	0%
BZ#64 Non-Target	495	61	3	0	431	3	0	0%
BZ#66	495	12	103	0	379	450	1	0%
BZ#67 Non-Target	495	161	0	0	334	0	0	0%
BZ#69 Non-Target	495	412	15	1	67	15	0	0%
BZ#70	495	20	54	0	421	16	0	0%

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-7
High-Resolution Coring Sample Summary
Hudson River RI/FS PCB Reassessment

Congener Name	Total Number of Results	Unqualified Nondetects	Estimated Nondetects	Unqualified Detects	Estimated Detects	Values Qualified with K	Rejected Results	% Rejected
BZ#74 Non-Target	495	10	55	0	430	465	0	0%
BZ#75	495	26	439	0	9	425	21	4%
BZ#77	495	30	131	0	298	2	36	7%
BZ#82	495	59	112	78	242	2	4	1%
BZ#83	495	33	168	0	256	2	38	8%
BZ#84	495	20	120	0	322	30	33	7%
BZ#85	495	44	83	99	259	2	10	2%
BZ#87	495	39	110	0	337	145	9	2%
BZ#88 Non-Target	14	14	0	0	0	0	0	0%
BZ#90 Non-Target	0	0	0	0	0	0	0	
BZ#91	495	21	113	0	324	5	37	7%
BZ#92	495	22	88	38	336	2	11	2%
BZ#95	495	14	78	0	388	435	15	3%
BZ#96 Non-Target	495	176	4	0	315	4	0	0%
BZ#97	495	46	86	113	245	2	5	1%
BZ#99	495	22	86	0	383	2	4	1%
BZ#101 & BZ#[90]	495	17	56	0	422	372	0	0%
BZ#105	495	36	128	0	326	2	5	1%
BZ#105 & BZ#[68]	0	0	0	0	0	0	0	
BZ#107	495	47	177	0	266	2	5	1%
BZ#110 Non-Target	495	20	1	0	474	1	0	0%
BZ#114 Non-Target	495	377	5	8	105	6	0	0%
BZ#115	495	194	274	0	1	5	26	5%
BZ#118	495	34	67	119	263	2	12	2%
BZ#119	495	64	182	8	204	3	37	7%
BZ#122	495	61	368	1	30	241	35	7%

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-7
High-Resolution Coring Sample Summary
Hudson River RI/FS PCB Reassessment

Congener Name	Total Number of Results	Unqualified Nondetects	Estimated Nondetects	Unqualified Detects	Estimated Detects	Values Qualified with K	Rejected Results	% Rejected
BZ#123	495	64	147	0	239	3	45	9%
BZ#126	495	96	292	0	40	2	67	14%
BZ#128	495	20	294	1	168	38	12	2%
BZ#129	495	161	262	0	56	36	16	3%
BZ#135 Non-Target	495	198	7	1	289	7	0	0%
BZ#136	495	41	162	2	254	130	36	7%
BZ#137	495	75	190	6	220	2	4	1%
BZ#138	495	14	64	0	414	454	3	1%
BZ#140 Non-Target	495	485	0	0	10	0	0	0%
BZ#141	495	53	161	0	279	288	2	0%
BZ#143 Non-Target	495	109	4	0	382	4	0	0%
BZ#144 Non-Target	495	183	4	0	308	4	0	0%
BZ#146 Non-Target	495	312	13	0	170	13	0	0%
BZ#149	495	22	52	0	420	2	1	0%
BZ#151	495	31	71	100	292	2	1	0%
BZ#153	495	20	118	0	357	402	0	0%
BZ#156 Non-Target	495	173	4	93	225	59	0	0%
BZ#157	495	112	254	0	122	6	7	1%
BZ#158	495	58	194	0	231	2	12	2%
BZ#160 Non-Target	14	14	0	0	0	0	0	0%
BZ#167	495	90	177	13	179	2	36	7%
BZ#169 Non-Target	495	479	15	0	1	15	0	0%
BZ#170	495	57	132	61	239	2	6	1%
BZ#171	495	77	189	12	208	71	9	2%
BZ#172 Non-Target	495	21	159	0	315	474	0	0%
BZ#174 Non-Target	495	78	4	141	272	150	0	0%

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-7
High-Resolution Coring Sample Summary
Hudson River RI/FS PCB Reassessment

Congener Name	Total Number of Results	Unqualified Nondetects	Estimated Nondetects	Unqualified Detects	Estimated Detects	Values Qualified with K	Rejected Results	% Rejected
BZ#175 Non-Target	495	429	15	1	50	18	0	0%
BZ#177	495	58	112	42	270	2	13	3%
BZ#178 Non-Target	495	490	0	0	5	0	0	0%
BZ#180	495	27	114	6	345	39	3	1%
BZ#183	495	62	139	54	235	2	5	1%
BZ#184 Non-Target	495	447	15	0	33	15	0	0%
BZ#185	495	113	297	1	42	3	42	8%
BZ#187	495	26	165	5	297	21	2	0%
BZ#189	495	147	254	0	66	4	28	6%
BZ#190	495	98	258	1	82	2	56	11%
BZ#191	495	174	272	0	20	5	29	6%
BZ#192 Non-Target	495	1	280	0	214	474	0	0%
BZ#193	495	74	304	0	66	123	51	10%
BZ#194	495	49	222	33	163	2	28	6%
BZ#195	495	100	248	4	99	3	44	9%
BZ#196	495	60	151	0	271	2	13	3%
BZ#197 Non-Target	495	449	15	0	31	22	0	0%
BZ#198	495	121	352	0	1	238	21	4%
BZ#199	495	142	240	4	81	5	28	6%
BZ#200	495	119	251	0	119	4	6	1%
BZ#201	495	47	159	34	243	2	12	2%
BZ#202	495	145	200	9	117	3	24	5%
BZ#203 Non-Target	495	80	3	0	412	3	0	0%
BZ#205	495	185	272	0	18	5	20	4%
BZ#206	495	74	169	30	193	2	29	6%
BZ#207	495	141	221	5	89	4	39	8%

Note: Congeners in [ ] are co-eluting non-target congeners.

Table A-7
High-Resolution Coring Sample Summary
Hudson River RI/FS PCB Reassessment

Congener Name	Total Number of Results	Unqualified Nondetects	Estimated Nondetects	Unqualified Detects	Estimated Detects	Values Qualified with K	Rejected Results	% Rejected
BZ#208	495	108	208	14	130	3	35	7%
BZ#209	495	109	202	34	135	2	15	3%
Totals	62426	12206	16242	2356	29704	8808	1918	3%

Note: Congeners in [ ] are co-eluting non-target congeners.

Figure A-1
Subsampling and Analysis Scheme for High Resolution Coring