

Appendix 4. Polychlorinated Biphenyl Masses Measured in Water Samples

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Table 4-1. Masses of dissolved polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-06.

[Analyzed by AXYS Analytical Services, Ltd., Sidney, British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; A, polychlorinated biphenyls eluted from the first column of two columns in series; B, polychlorinated biphenyls eluted from the second column of two columns in series; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners															
	Monthly composite river samples						Quality-control samples									
	May 2005 A (ng/sample)	May 2005 B (ng/sample)	June 2005 (ng/sample)	July 2005 (ng/sample)	August 2005 (ng/sample)	September 2005 (ng/sample)	December 2005 (ng/sample)	January 2006 (ng/sample)	February 2006 (ng/sample)	March-April 2006 (ng/sample)	May-05 to August-05 (ng/sample)	September 2005 (ng/sample)	December-05 to April-06 (ng/sample)	May-05 to August-05 (ng/sample)	September 2005 (percent recovery)	
PCB-1	0.449	<0.352	0.488	0.585	1.81	e1.32	e0.525	<0.268	e0.749	<0.785	<0.303	e0.333	e0.220	76.9	79.8	84.9
PCB-2	<0.291	<0.365	<0.367	<0.540	<0.255	<0.414	<0.209	<0.265	<0.644	<0.775	<0.314	0.287	<0.215	--	--	--
PCB-3	<0.291	<0.365	<0.367	<0.540	<0.255	<0.414	<0.209	<0.265	<0.644	<0.775	<0.314	e0.064	<0.215	99.9	89.5	97.5
PCB-4 + 10	68.1	<0.964	57.4	53.5	74	64.7	2.18	5.9	5.34	4.68	<0.554	<0.072	<0.392	82.7	82.1	90.9
PCB-5 + 8	1.87	<0.555	0.988	<0.550	1.35	1.14	<0.456	<0.432	<0.472	<0.414	<0.319	e0.141	<0.224	100	87.7	98.6
PCB-6	<0.448	<0.555	<0.589	<0.550	0.391	<0.313	<0.456	<0.432	<0.472	<0.414	<0.319	<0.041	<0.224	--	--	--
PCB-7 + 9	<0.448	<0.555	<0.589	<0.550	<0.309	e1.66	<0.456	e0.457	<0.472	<0.414	<0.319	e0.246	e0.340	--	--	--
PCB-11	<0.448	<0.555	<0.589	<0.550	<0.309	e0.756	<0.456	<0.432	<0.472	<0.414	<0.319	e0.367	e0.265	--	--	--
PCB-12 + 13	<0.448	<0.555	<0.589	<0.550	<0.309	<0.313	<0.456	<0.432	<0.472	<0.414	<0.319	e0.457	<0.224	--	--	--
PCB-14	<0.448	<0.555	<0.589	<0.550	<0.309	<0.313	<0.456	<0.432	<0.472	<0.414	<0.319	e0.061	<0.224	--	--	--
PCB-15	<0.557	<0.692	<0.733	<0.685	<0.385	<0.341	<0.495	<0.468	<0.512	<0.449	<0.398	e0.093	<0.243	122	85.9	109
PCB-16 + 32	7.39	<0.417	5.63	5.99	6.16	6.79	0.839	2.49	1.18	0.856	<0.312	e0.093	<0.604	--	--	--
PCB-17	5.28	<0.417	3.89	3.61	4.15	4.26	<0.484	0.792	0.914	<0.525	<0.312	<0.056	<0.604	--	--	--
PCB-18	3.59	<0.417	3.14	3.04	4.09	3.78	<0.484	1.1	0.933	<0.525	<0.312	<0.056	<0.604	86	82.9	94
PCB-19	15.4	<0.486	13.3	12.8	16.9	11.7	1.58	3.89	1.35	2.38	<0.364	<0.066	<0.708	76	78.4	88
PCB-20 + 21 + 33	<0.653	<0.460	<0.462	<0.563	<0.356	e0.164	<0.516	<0.337	<0.428	<0.587	<0.373	<0.077	e0.980	--	--	--
PCB-22	<0.653	<0.460	<0.462	<0.563	<0.356	0.324	<0.516	<0.337	<0.428	<0.587	<0.373	<0.077	<0.373	--	--	--
PCB-23 + 34	<0.342	<0.314	<0.306	<0.188	<0.155	<0.154	<0.299	<0.337	<0.332	<0.324	<0.235	<0.035	<0.373	98.7	76.1	87.4
PCB-24 + 27	5.82	<0.417	4.77	4.82	5.17	5.02	0.503	1.58	<0.537	0.648	<0.312	<0.056	<0.604	--	--	--
PCB-25	0.837	<0.314	0.884	0.51	0.612	0.629	<0.299	<0.337	<0.332	<0.324	<0.235	e0.078	<0.373	--	--	--
PCB-26	1.76	<0.314	1.53	1.35	1.19	1.56	<0.299	0.359	<0.332	<0.324	<0.235	e0.188	<0.373	--	--	--
PCB-28	1.36	<0.288	1.21	0.931	0.79	1.05	0.398	0.776	0.578	0.762	<0.215	e0.079	e0.501	90.3	88.5	101
PCB-29	<0.342	<0.314	<0.306	<0.188	<0.155	<0.154	<0.299	<0.337	<0.332	<0.324	<0.235	e0.042	<0.373	--	--	--
PCB-30	<0.454	<0.417	<0.406	<0.249	<0.206	<0.245	<0.484	<0.546	<0.537	<0.525	<0.312	<0.056	<0.604	--	--	--
PCB-31	2.6	<0.314	1.82	1.28	1.71	1.7	<0.299	0.539	0.515	0.394	<0.235	e0.053	e0.563	115	85.3	95.2
PCB-35	<0.687	<0.483	<0.486	<0.592	<0.375	<0.097	<0.564	<0.369	<0.467	<0.641	<0.392	e0.698	<0.408	--	--	--
PCB-36	<0.653	<0.460	<0.462	<0.563	<0.356	<0.091	<0.516	<0.337	<0.428	<0.587	<0.373	e1.06	<0.408	--	--	--
PCB-37	<0.687	<0.483	<0.486	<0.592	<0.375	0.186	<0.564	<0.369	<0.467	<0.641	<0.392	e0.138	<0.408	118	88.5	103
PCB-38	<0.687	<0.483	<0.486	<0.592	<0.375	<0.097	<0.564	<0.369	e2.09	<0.641	<0.392	<0.082	<0.408	--	--	--
PCB-39	<0.653	<0.460	<0.462	<0.563	<0.356	<0.091	<0.516	<0.337	<0.428	<0.587	<0.373	e0.082	<0.408	--	--	--
PCB-40	<0.653	<0.335	<1.11	<0.648	<0.472	0.338	<0.831	<0.687	<1.16	<1.08	<0.633	<0.136	<0.945	92.7	81.8	90.1

Table 4-1. Masses of dissolved polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-06.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney, British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; A, polychlorinated biphenyls eluted from the first column of two columns in series; B, polychlorinated biphenyls eluted from the second column of two columns in series; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners													
	Monthly composite river samples						Quality-control samples							
	May 2005 A (ng/sample)	May 2005 B (ng/sample)	June 2005 (ng/sample)	July 2005 (ng/sample)	August 2005 (ng/sample)	September 2005 (ng/sample)	December 2005 (ng/sample)	January 2006 (ng/sample)	February 2006 (ng/sample)	March-April 2006 (ng/sample)	May-05 to August-05 (ng/sample)	September 2005 to April-06 (ng/sample)	Matrix spike (percent recovery)	
PCB-41 + 64 + 68 + 71	7.98	<0.220	5.25	4.12	2.66	2.71	0.966	2.28	8.52	1.18	<0.216	<0.074	<0.391	--
PCB-42 + 59	0.889	<0.220	0.816	0.953	0.829	e0.112	<0.273	<0.451	<0.362	<0.479	<0.216	<0.074	<0.391	--
PCB-43 + 49	3.11	<0.225	2.21	2.31	2.04	1.97	0.358	1.13	1.42	<0.462	<0.221	<0.077	<0.377	85.2 79.1
PCB-44	1.65	<0.220	1.67	1.82	1.8	1.7	0.403	1.28	0.714	<0.479	<0.216	<0.074	<0.391	86.8 80.7 87.7
PCB-45	0.519	<0.200	0.559	0.471	0.638	0.475	<0.242	<0.400	<0.322	<0.426	<0.197	<0.065	<0.347	--
PCB-46	0.301	<0.200	0.359	e0.418	e0.362	0.259	<0.242	<0.400	<0.322	<0.426	<0.197	<0.065	<0.347	--
PCB-47 + 48 + 75	15.4	0.621	13.9	8.58	5.64	3.24	3.47	5.23	66.1	1.72	<0.197	<0.065	<0.347	--
PCB-50	<0.167	<0.162	<0.255	<0.249	<0.198	<0.067	<0.204	<0.336	<0.270	<0.358	<0.159	<0.055	<0.292	--
PCB-51	6.93	<0.200	5.12	2.9	2.13	1.16	0.762	1.08	4.08	0.524	<0.197	<0.065	<0.347	--
PCB-52 + 73	3.39	<0.200	3.41	3.39	3.09	3.07	0.773	2.12	0.92	0.836	<0.197	<0.065	<0.347	79.1 85.4
PCB-53	2.28	<0.200	2.46	2.2	2.21	1.66	0.309	1.17	0.33	<0.426	<0.197	<0.065	<0.347	--
PCB-54	e0.320	<0.162	<0.255	0.254	e0.237	0.161	<0.204	<0.336	<0.270	<0.358	<0.159	<0.055	<0.292	71 73.3 77.8
PCB-55	<0.366	<0.188	<0.624	<0.363	<0.265	<0.103	<0.456	<0.377	<0.636	<0.594	<0.355	<0.072	<0.518	--
PCB-56 + 60	<0.366	<0.188	<0.624	<0.363	<0.265	0.283	<0.456	<0.377	<0.636	<0.594	<0.355	<0.072	<0.518	108 84.3 94.4
PCB-57	<0.653	<0.335	<1.11	<0.648	<0.472	<0.197	<0.831	<0.687	<1.16	<1.08	<0.633	<0.136	<0.945	--
PCB-58	<0.653	<0.335	<1.11	<0.648	<0.472	<0.197	<0.831	<0.687	<1.16	<1.08	<0.633	<0.136	<0.945	--
PCB-61 + 74	<0.356	<0.182	<0.605	<0.353	<0.257	e0.238	<0.429	<0.355	<0.599	<0.560	<0.344	<0.070	<0.488	--
PCB-62 + 65	<0.207	<0.200	<0.316	<0.308	<0.245	<0.079	<0.242	<0.400	<0.322	<0.426	<0.197	<0.065	<0.347	--
PCB-63	<0.356	<0.182	<0.605	<0.353	<0.257	<0.101	<0.429	<0.355	<0.599	<0.560	<0.344	<0.070	<0.488	--
PCB-66 + 80	0.628	<0.182	<0.605	0.504	0.453	0.371	<0.429	<0.355	<0.599	<0.560	<0.344	<0.070	<0.488	84 91.5
PCB-67	<0.653	<0.335	<1.11	<0.648	<0.472	<0.197	<0.831	<0.687	<1.16	<1.08	<0.633	<0.136	<0.945	--
PCB-69	<0.207	<0.200	<0.316	<0.308	<0.245	<0.079	<0.242	<0.400	<0.322	<0.426	<0.197	<0.065	<0.347	--
PCB-70 + 76	0.558	<0.182	<0.605	0.397	0.326	0.381	<0.429	0.365	<0.599	<0.560	<0.344	<0.070	<0.488	--
PCB-72	<0.228	<0.220	<0.348	<0.339	<0.269	<0.090	<0.273	<0.451	<0.362	<0.479	<0.216	<0.074	<0.391	--
PCB-77	<0.661	<0.332	<0.517	<0.553	<0.417	<0.103	<0.388	<0.438	<0.599	<0.644	<0.398	e0.165	<0.259	120 92.5 106
PCB-78	<0.661	<0.332	<0.517	<0.553	<0.417	<0.103	<0.388	<0.438	<0.599	<0.644	<0.398	<0.082	<0.259	--
PCB-79	<0.661	<0.332	<0.517	<0.553	<0.417	<0.103	<0.388	<0.438	<0.599	<0.644	<0.398	<0.082	<0.259	--
PCB-81	<0.661	<0.332	<0.517	<0.553	<0.417	<0.103	<0.388	<0.438	<0.599	<0.644	<0.398	e0.242	<0.259	117 94.5 108
PCB-82	<0.537	<0.469	<0.532	<0.554	<0.249	<0.177	<0.496	<0.709	<0.753	<0.673	<0.420	<0.097	<0.435	--
PCB-83 + 108	<0.461	<0.444	<0.364	<0.404	<0.278	<0.123	<0.274	<0.454	<0.417	<0.377	<0.372	<0.063	<0.333	--
PCB-84	0.427	<0.385	0.574	0.488	0.394	0.394	<0.235	<0.389	<0.358	<0.323	<0.322	<0.054	<0.285	--
PCB-85 + 120	<0.537	<0.469	<0.532	<0.554	<0.249	<0.177	<0.496	<0.709	<0.753	<0.673	<0.420	e0.747	<0.435	--

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IUPAC number	Polychlorinated biphenyl congeners															
	Monthly composite river samples						Quality-control samples									
	May 2005 A (ng/sample)	May 2005 B (ng/sample)	June 2005 (ng/sample)	July 2005 (ng/sample)	August 2005 (ng/sample)	September 2005 (ng/sample)	December 2005 (ng/sample)	January 2006 (ng/sample)	February 2006 (ng/sample)	March-April 2006 (ng/sample)	Laboratory blank (ng/sample)	Matrix spike (percent recovery)				
PCB-86 + 97	<0.537	<0.469	<0.532	<0.554	<0.249	<0.177	<0.496	<0.709	<0.753	<0.673	<0.420	<0.097	<0.435	--	--	--
PCB-87 + 115 + 116	<0.537	<0.469	<0.532	<0.554	<0.249	0.278	<0.496	<0.709	<0.753	<0.673	<0.420	<0.097	<0.435	110	88.4	99
PCB-88 + 121	<0.471	<0.454	<0.372	<0.413	<0.284	<0.125	<0.285	<0.472	<0.434	<0.392	<0.380	<0.064	<0.346	--	--	--
PCB-89 + 90 + 101	1.05	<0.385	0.823	0.885	0.52	0.599	<0.235	0.757	<0.358	<0.323	<0.322	<0.054	<0.285	103	83.2	92.6
PCB-91	0.669	<0.454	e0.420	<0.413	0.325	e0.318	<0.285	<0.472	<0.434	<0.392	<0.380	<0.064	<0.346	--	--	--
PCB-92	<0.400	<0.385	<0.316	<0.350	<0.241	0.19	<0.235	<0.389	<0.358	<0.323	<0.322	<0.054	<0.285	--	--	--
PCB-93 + 95	1.44	<0.454	1.56	1.74	1.19	1.31	0.46	1.27	0.592	0.727	<0.380	<0.064	<0.346	94.4	81.5	88.2
PCB-94	<0.471	<0.454	<0.372	<0.413	<0.284	<0.125	<0.285	<0.472	<0.434	<0.392	<0.380	<0.064	<0.346	--	--	--
PCB-96	<0.471	<0.454	<0.372	<0.413	<0.284	<0.125	<0.285	<0.472	<0.434	<0.392	<0.380	<0.064	<0.346	--	--	--
PCB-98 + 102	<0.471	<0.454	<0.372	<0.413	<0.284	<0.125	<0.285	<0.472	<0.434	<0.392	<0.380	<0.064	<0.346	--	--	--
PCB-99	0.465	<0.370	<0.304	<0.337	0.26	0.263	<0.229	<0.380	<0.349	<0.315	<0.310	e0.052	<0.278	102	82.6	93
PCB-100	<0.471	<0.454	<0.372	<0.413	<0.284	<0.125	<0.285	<0.472	<0.434	<0.392	<0.380	<0.064	<0.346	--	--	--
PCB-103	<0.471	<0.454	<0.372	<0.413	<0.284	0.133	<0.285	<0.472	<0.434	<0.392	<0.380	e0.097	<0.346	--	--	--
PCB-104	<0.331	<0.319	<0.261	<0.290	<0.199	<0.091	<0.201	<0.333	<0.306	<0.276	<0.267	<0.046	<0.244	83.9	78.3	83.1
PCB-105 + 127	<0.396	<0.345	<0.392	<0.408	<0.183	<0.124	<0.350	<0.501	<0.532	<0.475	<0.310	<0.068	<0.307	118	85.5	99.9
PCB-106 + 118	<0.360	<0.299	<0.364	<0.344	0.283	0.238	<0.355	<0.495	<0.531	<0.474	<0.276	<0.071	<0.328	96	80.9	90.9
PCB-107 + 109	<0.378	<0.330	<0.375	<0.391	<0.175	<0.122	<0.347	<0.495	<0.526	<0.471	<0.296	<0.067	<0.304	--	--	--
PCB-110	1.44	<0.330	1.2	1.3	0.982	0.905	<0.347	1	<0.526	<0.471	<0.296	<0.067	<0.304	109	83.9	94.7
PCB-111 + 117	<0.537	<0.469	<0.532	<0.554	<0.249	<0.177	<0.496	<0.709	<0.753	<0.673	<0.420	<0.097	<0.435	--	--	--
PCB-112	<0.461	<0.444	<0.364	<0.404	<0.278	<0.123	<0.274	<0.454	<0.417	<0.377	<0.372	<0.063	<0.333	--	--	--
PCB-113	<0.400	<0.385	<0.316	<0.350	<0.241	<0.105	<0.235	<0.389	<0.358	<0.323	<0.322	<0.054	<0.285	--	--	--
PCB-114	<0.373	<0.326	<0.370	<0.385	<0.173	<0.123	<0.342	<0.489	<0.519	<0.464	<0.292	<0.067	<0.300	112	85.1	97.4
PCB-119	<0.384	<0.370	<0.304	<0.337	<0.232	<0.102	<0.229	<0.380	<0.349	<0.315	<0.310	<0.052	<0.278	--	--	--
PCB-122	<0.373	<0.326	<0.370	<0.385	<0.173	<0.123	<0.342	<0.489	<0.519	<0.464	<0.292	<0.067	<0.300	--	--	--
PCB-123	<0.360	<0.299	<0.364	<0.344	<0.175	<0.122	<0.355	<0.495	<0.531	<0.474	<0.276	e0.079	<0.328	89.2	78.4	89.9
PCB-124	<0.378	<0.330	<0.375	<0.391	<0.175	<0.122	<0.347	<0.495	<0.526	<0.471	<0.296	<0.067	<0.304	--	--	--
PCB-125	<0.537	<0.469	<0.532	<0.554	<0.249	<0.177	<0.496	<0.709	<0.753	<0.673	<0.420	<0.097	<0.435	--	--	--
PCB-126	<0.416	<0.363	<0.412	<0.429	<0.193	<0.128	<0.358	<0.511	<0.543	<0.485	<0.325	<0.070	<0.314	--	--	--
PCB-128	<0.282	<0.264	<0.420	<0.356	<0.294	<0.178	<0.374	<0.490	<0.474	<0.478	<0.289	<0.106	<0.381	--	--	--
PCB-129	<0.282	<0.264	<0.420	<0.356	<0.294	<0.178	<0.374	<0.490	<0.474	<0.478	<0.289	<0.106	<0.381	--	--	--
PCB-130	<0.282	<0.264	<0.420	<0.356	<0.294	<0.178	<0.374	<0.490	<0.474	<0.478	<0.289	<0.106	<0.381	--	--	--

Table 4-1. Masses of dissolved polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-06.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney, British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; A, polychlorinated biphenyls eluted from the first column of two columns in series; B, polychlorinated biphenyls eluted from the second column of two columns in series; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners												Quality-control samples					
	Monthly composite river samples												Laboratory blank (ng/sample)				Matrix spike (percent recovery)	
	May 2005 A (ng/sample)	May 2005 B (ng/sample)	June 2005 (ng/sample)	July 2005 (ng/sample)	August 2005 (ng/sample)	September 2005 (ng/sample)	December 2005 (ng/sample)	January 2006 (ng/sample)	February 2006 (ng/sample)	March-April 2006 (ng/sample)	May-05 to August-05	September 2005	December-05 to April-06	May-05 to August-05	September 2005	December-05 to April-06		
PCB-131 + 142	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-132 + 168	0.373	<0.236	<0.376	0.336	0.275	0.184	<0.344	<0.450	<0.435	<0.439	<0.258	<0.097	<0.350	--	--	--		
PCB-133	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-134 + 143	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-135 + 144	0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-136	0.236	<0.214	<0.254	<0.287	0.171	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-137	<0.240	<0.224	<0.357	<0.302	<0.250	<0.151	<0.318	<0.416	0.477	<0.406	<0.246	<0.090	<0.324	--	--	--		
PCB-138 + 163 + 164	0.704	<0.224	0.541	0.677	0.511	0.437	<0.318	0.523	<0.403	<0.406	<0.246	<0.090	<0.324	103	88.5	90.5		
PCB-139 + 149	0.636	<0.214	0.644	0.668	0.423	0.442	<0.287	0.506	<0.406	<0.290	<0.247	<0.054	<0.269	116	85	99.7		
PCB-140	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-141	<0.240	<0.224	<0.357	<0.302	<0.250	<0.151	<0.318	<0.416	<0.403	<0.406	<0.246	<0.090	<0.324	--	--	--		
PCB-145	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-146	<0.128	<0.191	<0.227	<0.257	<0.135	<0.258	<0.261	<0.347	<0.368	<0.264	<0.221	<0.049	<0.244	--	--	--		
PCB-147	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-148	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-150	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-151	<0.177	<0.266	<0.315	<0.356	<0.187	<0.354	<0.358	<0.476	<0.505	<0.361	<0.306	<0.067	<0.335	113	87	100		
PCB-152	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-153	0.374	<0.200	<0.320	0.399	0.31	0.256	<0.292	<0.382	<0.370	<0.373	<0.220	<0.082	<0.298	103	88.1	92.2		
PCB-154	<0.143	<0.214	<0.254	<0.287	<0.151	<0.282	<0.287	<0.382	<0.406	<0.290	<0.247	<0.054	<0.269	--	--	--		
PCB-155	<0.0976	<0.146	<0.173	<0.196	<0.103	<0.198	<0.204	<0.271	<0.288	<0.206	<0.169	<0.038	<0.191	99	79.5	90.9		
PCB-156	<0.193	<0.180	<0.288	<0.244	<0.202	<0.118	<0.248	<0.325	<0.314	<0.317	<0.198	<0.071	<0.253	106	88	92.6		
PCB-157	<0.201	<0.188	<0.300	<0.254	<0.210	<0.119	<0.252	<0.330	<0.319	<0.322	<0.206	<0.071	<0.257	110	88.3	91.8		
PCB-158 + 160	<0.240	<0.224	<0.357	<0.302	<0.250	<0.151	<0.318	<0.416	<0.403	<0.406	<0.246	<0.090	<0.324	--	--	--		
PCB-159	<0.240	<0.224	<0.357	<0.302	<0.250	<0.151	<0.318	<0.416	<0.403	<0.406	<0.246	<0.090	<0.324	--	--	--		
PCB-161	<0.128	<0.191	<0.227	<0.257	<0.135	<0.258	<0.261	<0.347	<0.368	<0.264	<0.221	<0.049	<0.244	--	--	--		
PCB-162	<0.240	<0.224	<0.357	<0.302	<0.250	<0.151	<0.318	<0.416	<0.403	<0.406	<0.246	<0.090	<0.324	--	--	--		
PCB-165	<0.128	<0.191	<0.227	<0.257	<0.135	<0.258	<0.261	<0.347	<0.368	<0.264	<0.221	<0.049	<0.244	--	--	--		
PCB-166	<0.240	<0.224	<0.357	<0.302	<0.250	<0.151	<0.318	<0.416	<0.403	<0.406	<0.246	<0.090	<0.324	--	--	--		
PCB-167	<0.191	<0.179	<0.285	<0.241	<0.199	<0.116	<0.245	<0.320	<0.310	<0.312	<0.196	<0.069	<0.249	107	86.2	91.4		
PCB-169	<0.199	<0.186	<0.296	<0.251	<0.207	<0.119	<0.249	<0.326	<0.315	<0.318	<0.204	<0.071	<0.254	109	88.4	95.1		
PCB-170 + 190	<0.190	<0.350	<0.473	<0.397	<0.205	<0.133	<0.412	<0.323	<0.496	<0.366	<0.293	<0.110	<0.216	104	85.4	97.6		

Table 4-1. Masses of dissolved polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-06.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney, British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; A, polychlorinated biphenyls eluted from the first column of two columns in series; B, polychlorinated biphenyls eluted from the second column of two columns in series; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners												Quality-control samples					
	Monthly composite river samples												Laboratory blank				Matrix spike	
	May 2005 A (ng/sample)	May 2005 B (ng/sample)	June 2005 (ng/sample)	July 2005 (ng/sample)	August 2005 (ng/sample)	September 2005 (ng/sample)	December 2005 (ng/sample)	January 2006 (ng/sample)	February 2006 (ng/sample)	March-April 2006 (ng/sample)	May-05 to August-05 (ng/sample)	September 2005 (ng/sample)	December-05 to April-06 (ng/sample)	May-05 to August-05 (ng/sample)	September 2005 (percent recovery)	December-05 to April-06 (percent recovery)		
PCB-171	<0.159	<0.294	<0.397	<0.333	<0.172	<0.108	<0.343	<0.269	<0.413	<0.305	<0.246	<0.089	<0.180	--	--	--		
PCB-172 + 192	<0.159	<0.294	<0.397	<0.333	<0.172	<0.108	<0.343	<0.269	<0.413	<0.305	<0.246	<0.089	<0.180	--	--	--		
PCB-173	<0.159	<0.294	<0.397	<0.333	<0.172	<0.108	<0.343	<0.269	<0.413	<0.305	<0.246	<0.089	<0.180	--	--	--		
PCB-174 + 181	<0.162	<0.298	<0.403	<0.338	<0.175	<0.108	<0.353	<0.277	<0.425	<0.314	<0.250	<0.090	<0.185	--	--	--		
PCB-175	<0.160	<0.295	<0.398	<0.334	<0.172	<0.110	<0.352	<0.276	<0.424	<0.313	<0.246	<0.091	<0.185	--	--	--		
PCB-176	<0.120	<0.222	<0.299	<0.251	<0.130	<0.085	<0.270	<0.212	<0.325	<0.240	<0.185	<0.070	<0.142	--	--	--		
PCB-177	<0.162	<0.298	<0.403	<0.338	<0.175	<0.108	<0.353	<0.277	<0.425	<0.314	<0.250	<0.090	<0.185	--	--	--		
PCB-178	<0.160	<0.295	<0.398	<0.334	<0.172	<0.110	<0.352	<0.276	<0.424	<0.313	<0.246	<0.091	<0.185	--	--	--		
PCB-179	<0.120	<0.222	<0.299	<0.251	<0.130	<0.085	<0.270	<0.212	<0.325	<0.240	<0.185	<0.070	<0.142	--	--	--		
PCB-180	<0.159	<0.294	<0.397	<0.333	<0.172	<0.108	<0.343	<0.269	<0.413	<0.305	<0.246	<0.089	<0.180	104	84.1	95.4		
PCB-182 + 187	<0.160	<0.295	<0.398	<0.334	<0.172	<0.110	<0.352	<0.276	<0.424	<0.313	<0.246	<0.091	<0.185	104	86.2	95.6		
PCB-183	<0.162	<0.298	<0.403	<0.338	<0.175	<0.108	<0.353	<0.277	<0.425	<0.314	<0.250	<0.090	<0.185	108	87.5	96.2		
PCB-184	<0.120	<0.222	<0.299	<0.251	<0.130	<0.085	<0.270	<0.212	<0.325	<0.240	<0.185	<0.070	<0.142	--	--	--		
PCB-185	<0.162	<0.298	<0.403	<0.338	<0.175	<0.108	<0.353	<0.277	<0.425	<0.314	<0.250	<0.090	<0.185	--	--	--		
PCB-186	<0.160	<0.295	<0.398	<0.334	<0.172	<0.110	<0.352	<0.276	<0.424	<0.313	<0.246	<0.091	<0.185	--	--	--		
PCB-188	<0.120	<0.222	<0.299	<0.251	<0.130	<0.085	<0.270	<0.212	<0.325	<0.240	<0.185	<0.070	<0.142	96	85.3	90.3		
PCB-189	<0.135	<0.249	<0.337	<0.282	<0.146	<0.090	<0.285	<0.224	<0.344	<0.254	<0.208	<0.074	<0.150	109	84.6	99.4		
PCB-191	<0.159	<0.294	<0.397	<0.333	<0.172	<0.108	<0.343	<0.269	<0.413	<0.305	<0.246	<0.089	<0.180	--	--	--		
PCB-193	<0.159	<0.294	<0.397	<0.333	<0.172	<0.108	<0.343	<0.269	<0.413	<0.305	<0.246	<0.089	<0.180	--	--	--		
PCB-194	<0.474	<0.459	<0.654	<0.482	<0.486	<0.280	<0.511	<0.692	<0.663	<0.640	<0.339	<0.115	<0.843	113	85.4	108		
PCB-195	<0.474	<0.459	<0.654	<0.482	<0.486	<0.280	<0.511	<0.692	<0.663	<0.640	<0.339	<0.115	e2.77	--	--	--		
PCB-196 + 203	<0.446	<0.432	<0.614	<0.453	<0.456	<0.270	<0.508	<0.688	<0.660	<0.637	<0.319	<0.111	e1.80	109	85.9	108		
PCB-197	<0.312	<0.302	<0.430	<0.317	<0.319	<0.194	<0.362	<0.490	<0.469	<0.453	<0.223	<0.080	<0.597	--	--	--		
PCB-198	<0.446	<0.432	<0.614	<0.453	<0.456	<0.270	<0.508	<0.688	<0.660	<0.637	<0.319	<0.111	<0.839	--	--	--		
PCB-199	<0.446	<0.432	<0.614	<0.453	<0.456	<0.270	<0.508	<0.688	<0.660	<0.637	<0.319	<0.111	e2.63	--	--	--		
PCB-200	<0.312	<0.302	<0.430	<0.317	<0.319	<0.194	<0.362	<0.490	<0.469	<0.453	<0.223	<0.080	<0.597	--	--	--		
PCB-201	<0.312	<0.302	<0.430	<0.317	<0.319	<0.194	<0.362	<0.490	<0.469	<0.453	<0.223	<0.080	<0.597	--	--	--		
PCB-202	<0.357	<0.346	<0.492	<0.363	<0.366	<0.219	<0.409	<0.554	<0.531	<0.513	<0.255	<0.090	<0.675	104	84.1	102		
PCB-204	<0.312	<0.302	<0.430	<0.317	<0.319	<0.194	<0.362	<0.490	<0.469	<0.453	<0.223	<0.080	<0.597	--	--	--		
PCB-205	<0.355	<0.344	<0.490	<0.361	<0.364	<0.207	<0.392	<0.531	<0.509	<0.491	<0.254	<0.085	<0.647	109	81.4	108		
PCB-206	<0.676	<0.822	<0.916	<0.898	<0.441	<0.336	<0.502	<0.816	<1.18	<1.12	<0.734	<0.428	<0.371	99	82.2	101		
PCB-207	<0.579	<0.704	<0.784	<0.769	<0.378	<0.304	<0.443	<0.720	<1.04	<0.989	<0.629	<0.387	<0.327	--	--	--		

Table 4-1. Masses of dissolved polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-06.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney, British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; A, polychlorinated biphenyls eluted from the first column of two columns in series; B, polychlorinated biphenyls eluted from the second column of two columns in series; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners															
	Monthly composite river samples						Quality-control samples									
	May 2005 A (ng/sample)	May 2005 B (ng/sample)	June 2005 (ng/sample)	July 2005 (ng/sample)	August 2005 (ng/sample)	September 2005 (ng/sample)	December 2005 (ng/sample)	January 2006 (ng/sample)	February 2006 (ng/sample)	March-April 2006 (ng/sample)	May-05 to August-05 (ng/sample)	September 2005 (percent recovery)	December-05 to April-06 (percent recovery)			
PCB-208	<0.579	<0.704	<0.784	<0.769	<0.378	<0.304	<0.443	<0.720	<1.04	<0.989	<0.629	<0.387	<0.327	97.5	83.7	98.6
PCB-209	<0.200	<0.242	<0.290	<0.368	<0.225	<0.137	<0.202	<0.502	<0.456	<0.972	<0.231	e0.162	<0.188	92.6	78.4	97.6
Total	166	0.621	136	123	146	126	13	36.1	93.5	14.7	<0.734	0.287	<	--	--	--
Polychlorinated biphenyl homologs																
Total Monochlorobiphenyls	0.449	<0.365	0.488	0.585	1.81	<0.418	--	--	--	--	<0.314	0.287	<	--	--	--
Total Dichlorobiphenyls	70	<0.964	58.3	53.5	75.8	65.8	2.18	5.9	5.34	4.68	<0.554	<0.0721	<	--	--	--
Total Trichlorobiphenyls	44	<0.486	36.2	34.4	40.8	37	3.32	11.5	5.47	5.04	<0.392	<0.0824	<	--	--	--
Total Tetrachlorobiphenyls	43.6	0.621	35.8	27.9	21.8	17.8	7.04	14.7	82.1	4.26	<0.633	<0.136	<	--	--	--
Total Pentachlorobiphenyls	5.5	<0.469	4.16	4.41	3.95	4.31	0.46	3.03	0.592	0.727	<0.420	<0.0968	<	--	--	--
Total Hexachlorobiphenyls	2.32	<0.266	1.19	2.08	1.69	1.14	--	1.03	--	--	<0.306	<0.106	<	--	--	--
Total Heptachlorobiphenyls	<0.190	<0.350	<0.473	<0.397	<0.205	<0.133	--	--	--	--	<0.293	<0.110	<	--	--	--
Total Octachlorobiphenyls	<0.474	<0.459	<0.654	<0.482	<0.486	<0.280	--	--	--	--	<0.339	<0.115	<	--	--	--
Total Nonachlorobiphenyls	<0.676	<0.822	<0.916	<0.898	<0.441	<0.336	--	--	--	--	<0.734	<0.428	<	--	--	--
Decachlorobiphenyls	<0.200	<0.242	<0.290	<0.368	<0.225	<0.137	--	--	--	--	<0.231	<0.0930	<	--	--	--
Polychlorinated biphenyl Aroclors																
Aroclor 1221	<0.850	<1.05	<1.12	<1.05	<0.587	<0.794	<0.866	<0.821	<1.24	<1.49	<0.606	<0.0775	<0.426	--	--	--
Aroclor 1232	<1.54	<1.42	<1.38	<1.84	<0.866	<1.42	<1.65	<1.86	<2.21	<2.67	<1.07	<0.189	<2.05	--	--	--
Aroclor 1016/1242	35.8	<2.11	27.2	20	30.2	29.1	<1.84	9.18	7.7	4.39	<1.21	<0.211	<2.30	--	--	--
Aroclor 1248	<1.96	<1.24	<3.33	<1.94	<1.51	<0.556	<2.36	<2.48	<3.29	<3.08	<1.89	<0.425	<2.68	--	--	--
Aroclor 1254	<5.37	<4.69	<5.32	<5.54	2.6	5.41	<4.96	<7.09	<7.53	<6.73	<4.20	<0.968	<4.35	--	--	--
Aroclor 1260	<1.35	<2.49	<3.36	<2.82	<1.45	<0.944	<2.93	<2.29	<3.52	<2.60	<2.08	<0.781	<1.53	--	--	--

Table 4-2. Masses of particulate polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-2006.

[Analyzed by AXYS Analytical Services, Ltd., Sidney British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners														
	Monthly composite river samples						Quality-control samples								
	May 2005 (ng/ sample)	June 2005 (ng/ sample)	July 2005 (ng/ sample)	August 2005 (ng/ sample)	Septem- ber 2005 (ng/ sample)	Decem- ber 2005 (ng/ sample)	January 2006 (ng/ sample)	February 2006 (ng/ sample)	March- April 2006 (ng/ sample)	May-05 to August-05 (ng/sample)	Septem- ber 2005 (ng/sample)	Decem- ber-05 to April-06 (ng/sample)	May-05 to August-05 (percent recovery)	Sep- tember 2005	Decem- ber-05 to April-06
PCB-1	3.9	2.33	2.79	2.59	e0.343	<0.435	<0.335	<0.399	e1.17	<1.01	<2.13	<0.469	85.3	75.1	84.9
PCB-2	<0.328	<0.156	<0.495	<0.340	e1.43	<0.430	<0.331	<0.394	<0.392	<1.04	<2.12	<0.463	--	--	--
PCB-3	2.15	1.29	1.97	1.08	e0.246	<0.430	0.97	e0.464	<0.392	<1.04	<2.12	<0.463	99.1	94.6	97.5
PCB-4 + 10	12.8	7.03	8.74	16.8	9.55	<0.581	2.72	1.04	<1.22	<1.18	<0.324	<1.04	83.3	69.6	90.9
PCB-5 + 8	6.22	4.08	5.53	4.27	4.45	0.532	2.14	0.868	0.753	<0.680	<0.183	<0.595	97.5	91	98.6
PCB-6	1.09	0.815	1.18	0.956	0.988	<0.331	<0.217	<0.378	<0.694	<0.680	e0.256	<0.595	--	--	--
PCB-7 + 9	<0.199	<0.264	<0.361	<0.353	e0.260	<0.331	<0.217	<0.378	<0.694	<0.680	e1.52	<0.595	--	--	--
PCB-11	e2.73	0.334	1.15	e0.538	e1.01	e0.945	<0.217	e1.04	<0.694	<0.680	<0.183	<0.595	--	--	--
PCB-12 + 13	e0.528	e0.452	e0.734	e0.636	e2.02	<0.331	<0.217	<0.378	<0.694	<0.680	<0.183	<0.595	--	--	--
PCB-14	<0.199	<0.264	<0.361	<0.353	<0.089	<0.331	<0.217	<0.378	<0.694	<0.680	<0.183	<0.595	--	--	--
PCB-15	8.44	5.56	6.71	5.73	4.48	e1.21	3.92	2.01	0.904	<0.846	e0.623	<0.646	126	107	109
PCB-16 + 32	4.73	2.95	4.57	5.13	4.41	0.945	1.98	1.11	<1.24	<0.743	<0.108	<0.666	--	--	--
PCB-17	3.57	2.35	2.72	3.52	2.97	<0.568	1.23	<0.997	<1.24	<0.743	<0.108	<0.666	--	--	--
PCB-18	2.15	1.36	1.91	2.98	<0.212	<0.568	1.14	<0.997	<1.24	<0.743	<0.108	<0.666	77.2	77.5	94
PCB-19	3.61	2.16	3.05	4.37	2.6	<0.666	1.06	<1.17	<1.45	<0.866	<0.129	<0.780	67.7	64.7	88
PCB-20 + 21 + 33	0.748	<0.374	0.624	0.599	0.345	<0.518	0.595	<0.689	<0.635	<0.721	e0.113	<0.667	--	--	--
PCB-22	0.743	0.538	0.712	0.875	0.674	<0.518	0.577	<0.689	<0.635	<0.721	<0.075	<0.667	--	--	--
PCB-23 + 34	<0.211	<0.154	<0.218	<0.321	<0.133	<0.351	<0.194	<0.616	<0.765	<0.559	<0.068	<0.411	93.1	79.9	87.4
PCB-24 + 27	2.98	1.81	2.57	3.12	2	<0.568	0.895	<0.997	<1.24	<0.743	<0.108	<0.666	--	--	--
PCB-25	2.02	1.28	1.62	1.92	1.36	<0.351	0.605	<0.616	<0.765	<0.559	<0.068	<0.411	--	--	--
PCB-26	2.84	2.11	2.96	3.26	2.28	<0.351	1.07	<0.616	<0.765	<0.559	<0.068	<0.411	--	--	--
PCB-28	4.08	2.61	3.79	3.75	3.49	0.956	2.95	1.4	<0.896	<0.513	e0.096	<0.482	93.1	92.9	101
PCB-29	<0.211	<0.154	<0.218	<0.321	<0.133	<0.351	<0.194	<0.616	<0.765	<0.559	<0.068	<0.411	--	--	--
PCB-30	<0.280	<0.204	<0.290	<0.426	<0.212	<0.568	<0.314	<0.997	<1.24	<0.743	<0.108	<0.666	--	--	--
PCB-31	4.74	3.86	4.12	4.87	3.59	e0.604	1.76	0.826	<0.765	<0.559	<0.068	<0.411	107	92.2	95.2
PCB-35	<0.386	<0.393	<0.443	<0.518	0.25	<0.566	<0.286	<0.753	<0.694	<0.758	<0.080	<0.729	--	--	--
PCB-36	<0.367	<0.374	<0.421	<0.492	<0.213	<0.518	<0.262	<0.689	<0.635	<0.721	<0.075	<0.667	--	--	--
PCB-37	1.46	0.862	1.07	0.886	e0.955	<0.566	0.923	<0.753	<0.694	<0.758	<0.080	<0.729	133	105	103
PCB-38	e0.724	e0.483	<0.443	<0.518	e0.845	<0.566	<0.286	<0.753	<0.694	<0.758	<0.080	<0.729	--	--	--
PCB-39	<0.367	<0.374	<0.421	<0.492	<0.213	<0.518	<0.262	<0.689	<0.635	<0.721	<0.075	<0.667	--	--	--
PCB-40	<0.872	<0.742	<1.12	<1.00	e0.582	<1.27	<0.994	<1.50	<1.20	<1.41	<0.191	<0.736	86.8	88.5	90.1
PCB-41 + 64 + 68 + 71	6.92	5.07	7.69	7.06	8.12	1.66	3.97	<0.795	<0.775	<0.580	<0.080	<0.345	--	--	--
PCB-42 + 59	1.58	1.23	1.87	1.83	1.77	<0.571	<0.465	<0.795	<0.775	<0.580	<0.080	<0.345	--	--	--

Table 4-2. Masses of particulate polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-2006.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Monthly composite river samples												Quality-control samples			
	May 2005	June 2005	July 2005	August 2005	September 2005	December 2005	January 2006	February 2006	March-April 2006	May-05 to August-05	September 2005	December-05 to April-06	May-05 to August-05	September 2005	December-05 to April-06	
	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(ng/sample)	(percent recovery)
PCB-43 + 49	4.86	3.18	5.15	4.98	4.7	0.814	2.82	1.23	<0.748	<0.593	<0.084	<0.333	75.1	83.9	79.1	
PCB-44	2.65	1.97	3.28	3.76	3	<0.571	2.17	<0.795	<0.775	<0.580	<0.080	<0.345	81.2	82.9	87.7	
PCB-45	0.471	0.318	0.516	0.689	0.368	<0.507	<0.414	<0.706	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-46	0.27	<0.228	0.413	0.35	0.248	<0.507	<0.414	<0.706	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-47 + 48 + 75	13.7	11.3	21.5	11.9	29.7	2.97	4.86	10.5	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-50	<0.203	<0.184	<0.173	<0.208	<0.149	<0.426	<0.347	<0.593	<0.578	<0.426	<0.060	<0.258	--	--	--	
PCB-51	1.97	1.5	2.78	1.42	3.4	<0.507	0.723	<0.706	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-52 + 73	5.53	3.83	5.66	6.26	5.2	0.737	3.44	1.23	<0.688	<0.528	<0.071	<0.307	76.3	80.8	85.4	
PCB-53	1.86	1.24	1.77	2.15	1.61	<0.507	0.786	<0.706	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-54	<0.203	<0.184	<0.173	<0.208	<0.149	<0.426	<0.347	<0.593	<0.578	<0.426	<0.060	<0.258	56.4	63.5	77.8	
PCB-55	<0.489	<0.416	<0.628	<0.561	<0.138	<0.697	<0.545	<0.825	<0.657	<0.789	<0.100	<0.404	--	--	--	
PCB-56 + 60	1.38	0.916	1.27	1.3	1.19	<0.697	1.28	<0.825	<0.657	<0.789	<0.100	<0.404	110	93.4	94.4	
PCB-57	<0.872	<0.742	<1.12	<1.00	<0.263	<1.27	<0.994	<1.50	<1.20	<1.41	<0.191	<0.736	--	--	--	
PCB-58	<0.872	<0.742	<1.12	<1.00	<0.263	<1.27	<0.994	<1.50	<1.20	<1.41	<0.191	<0.736	--	--	--	
PCB-61 + 74	1.41	0.928	1.35	1.32	1.29	<0.656	0.951	<0.777	<0.619	<0.765	<0.098	<0.380	--	--	--	
PCB-62 + 65	<0.251	<0.228	<0.214	<0.258	<0.176	<0.507	<0.414	<0.706	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-63	e0.772	e0.662	e0.970	<0.544	e0.507	<0.656	<0.513	<0.777	<0.619	<0.765	<0.098	<0.380	--	--	--	
PCB-66 + 80	2.79	1.98	2.66	2.65	2.42	<0.656	2.04	0.851	<0.619	<0.765	<0.098	<0.380	101	92	91.5	
PCB-67	<0.872	<0.742	<1.12	<1.00	<0.263	<1.27	<0.994	<1.50	<1.20	<1.41	<0.191	<0.736	--	--	--	
PCB-69	<0.251	<0.228	<0.214	<0.258	<0.176	<0.507	<0.414	<0.706	<0.688	<0.528	<0.071	<0.307	--	--	--	
PCB-70 + 76	2.61	1.63	2.7	2.28	2.32	<0.656	2.07	<0.777	<0.619	<0.765	<0.098	<0.380	--	--	--	
PCB-72	0.299	<0.251	0.305	<0.283	<0.199	<0.571	<0.465	<0.795	<0.775	<0.580	<0.080	<0.345	--	--	--	
PCB-77	e1.209	e0.678	<0.519	<0.561	e0.746	<0.468	0.544	<1.15	<0.754	<1.51	<0.145	<0.356	128	102	106	
PCB-78	<0.507	<0.598	<0.519	<0.561	<0.299	<0.468	<0.329	<1.15	<0.754	<1.51	<0.145	<0.356	--	--	--	
PCB-79	<0.507	<0.598	<0.519	<0.561	<0.299	<0.468	<0.329	<1.15	<0.754	<1.51	<0.145	<0.356	--	--	--	
PCB-81	e1.94	<0.598	<0.519	<0.561	<0.299	<0.468	<0.329	<1.15	<0.754	<1.51	<0.145	<0.356	122	103	108	
PCB-82	<0.936	<0.535	0.676	<0.663	e0.703	<0.629	<0.767	<1.41	<0.967	<1.41	<0.081	<0.575	--	--	--	
PCB-83 + 108	0.491	0.41	0.563	<0.378	0.414	<0.349	<0.288	<0.924	<0.567	<1.14	<0.093	<0.355	--	--	--	
PCB-84	1.31	0.996	e1.27	1.05	1.11	<0.299	0.769	<0.792	<0.486	<0.986	<0.080	<0.305	--	--	--	
PCB-85 + 120	e1.03	0.572	e0.907	e0.691	e0.671	<0.629	<0.767	<1.41	<0.967	<0.838	<0.081	<0.575	--	--	--	
PCB-86 + 97	1.37	0.992	1.43	0.943	1.16	<0.629	0.895	<1.41	<0.967	<0.838	<0.081	<0.575	--	--	--	
PCB-87 + 115 + 116	1.77	1.58	1.81	1.57	1.64	<0.629	1.5	<1.41	<0.967	<0.838	<0.081	<0.575	109	97.1	99	

Table 4-2. Masses of particulate polychlorinated biphenyls in water at U.S. Geological Survey streamgauge Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005–2006.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners														
	Monthly composite river samples						Quality-control samples								
	May 2005 (ng/ sample)	June 2005 (ng/ sample)	July 2005 (ng/ sample)	August 2005 (ng/ sample)	Septem- ber 2005 (ng/ sample)	Decem- ber 2005 (ng/ sample)	January 2006 (ng/ sample)	February 2006 (ng/ sample)	March- April 2006 (ng/ sample)	May-05 to August-05 (ng/sample)	Septem- ber 2005 (ng/sample)	Decem- ber-05 to April-06 (ng/sample)	May-05 to August-05 (percent recovery)	Sep- tember 2005	Decem- ber-05 to April-06
PCB-88 + 121	<0.284	<0.120	<0.397	<0.386	<0.192	<0.363	<0.299	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-89 + 90 + 101	4.54	2.85	3.8	2.9	2.84	0.59	2.58	1.14	<0.486	<0.986	<0.080	<0.305	102	93	92.6
PCB-91	1.55	0.889	1.35	1.14	1.01	<0.363	0.773	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-92	1.24	0.933	1.12	0.801	e0.887	<0.299	0.663	<0.792	<0.486	<0.986	<0.080	<0.305	--	--	--
PCB-93 + 95	4.09	2.95	4.44	3.18	3.42	0.709	2.55	<0.961	<0.590	<1.16	<0.095	<0.370	92.7	89.2	88.2
PCB-94	<0.284	<0.120	<0.397	<0.386	<0.192	<0.363	<0.299	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-96	<0.284	<0.120	<0.397	<0.386	<0.192	<0.363	<0.299	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-98 + 102	0.426	e0.236	<0.397	0.462	e0.275	<0.363	<0.299	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-99	2.31	1.48	1.78	1.46	1.42	<0.292	1.53	<0.773	<0.474	<0.948	<0.077	<0.297	103	93.6	93
PCB-100	<0.284	<0.120	<0.397	<0.386	<0.192	<0.363	<0.299	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-103	e0.357	<0.120	<0.397	<0.386	<0.192	<0.363	<0.299	<0.961	<0.590	<1.16	<0.095	<0.370	--	--	--
PCB-104	<0.200	<0.0841	<0.279	<0.271	<0.140	<0.256	<0.211	<0.678	<0.416	<0.816	<0.069	<0.261	73.9	78.7	83.1
PCB-105 + 127	1.16	0.99	1.11	0.954	e0.874	<0.444	1.02	<0.998	<0.683	<0.617	<0.056	<0.406	123	97.7	99.9
PCB-106 + 118	3.58	2.06	2.85	2.19	2.34	<0.442	2.15	1.13	<0.646	<0.529	<0.052	<0.392	93	91.8	90.9
PCB-107 + 109	<0.660	<0.377	<0.432	<0.468	0.233	<0.439	<0.536	<0.988	<0.676	<0.590	<0.056	<0.402	--	--	--
PCB-110	6.74	4.82	6.06	4.53	4.81	0.733	3.92	1.86	<0.676	<0.590	<0.056	<0.402	111	94.3	94.7
PCB-111 + 117	<0.936	<0.535	<0.613	<0.663	e0.167	<0.629	<0.767	<1.41	<0.967	<0.838	<0.081	<0.575	--	--	--
PCB-112	<0.278	<0.117	<0.388	<0.378	<0.188	<0.349	<0.288	<0.924	<0.567	<1.14	<0.093	<0.355	--	--	--
PCB-113	<0.241	<0.102	<0.337	<0.328	<0.161	<0.299	<0.247	<0.792	<0.486	<0.986	<0.080	<0.305	--	--	--
PCB-114	<0.651	<0.372	<0.426	<0.461	e0.131	<0.433	<0.529	<0.975	<0.667	<0.582	<0.056	<0.396	116	99.3	97.4
PCB-119	0.441	0.22	<0.324	<0.315	e0.186	<0.292	<0.241	<0.773	<0.474	<0.948	<0.077	<0.297	--	--	--
PCB-122	<0.651	<0.372	<0.426	<0.461	<0.101	<0.433	<0.529	<0.975	<0.667	<0.582	<0.056	<0.396	--	--	--
PCB-123	<0.649	<0.335	<0.426	<0.502	<0.103	<0.442	<0.548	<0.960	<0.646	<0.529	<0.052	<0.392	88.4	85.3	89.9
PCB-124	<0.660	<0.377	<0.432	<0.468	<0.100	<0.439	<0.536	<0.988	<0.676	<0.590	<0.056	<0.402	--	--	--
PCB-125	<0.936	<0.535	<0.613	<0.663	<0.146	<0.629	<0.767	<1.41	<0.967	<0.838	<0.081	<0.575	--	--	--
PCB-126	<0.725	<0.414	<0.475	<0.514	<0.106	<0.453	<0.553	<1.02	<0.697	<0.649	<0.059	<0.414	--	--	--
PCB-128	1.22	0.852	0.97	0.637	0.946	<1.24	0.76	<1.23	<0.516	<0.932	<0.022	<0.396	--	--	--
PCB-129	<0.297	<0.224	<0.479	<0.343	0.261	<1.24	<0.422	<1.23	<0.516	<0.932	<0.022	<0.396	--	--	--
PCB-130	0.452	e0.274	<0.479	<0.343	0.379	<1.24	<0.422	<1.23	<0.516	<0.932	e0.034	<0.396	--	--	--
PCB-131 + 142	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-132 + 168	1.95	1.43	1.45	0.963	1.32	<1.14	1.01	<1.13	<0.474	<0.834	<0.020	<0.364	--	--	--
PCB-133	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--

Table 4-2. Masses of particulate polychlorinated biphenyls in water at U.S. Geological Survey streamgauge Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005-2006.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners														
	Monthly composite river samples						Quality-control samples								
	May 2005 (ng/ sample)	June 2005 (ng/ sample)	July 2005 (ng/ sample)	August 2005 (ng/ sample)	Septem- ber 2005 (ng/ sample)	Decem- ber 2005 (ng/ sample)	January 2006 (ng/ sample)	February 2006 (ng/ sample)	March- April 2006 (ng/ sample)	May-05 to August-05 (ng/sample)	Septem- ber 2005 (ng/sample)	Decem- ber-05 to April-06 (ng/sample)	May-05 to August-05 (percent recovery)	Septem- ber 2005	Decem- ber-05 to April-06
PCB-134 + 143	0.285	<0.223	<0.264	<0.181	e0.185	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-135 + 144	0.751	0.564	0.696	0.48	0.61	<0.506	0.54	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-136	0.963	0.624	0.779	0.486	0.516	<0.506	0.482	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-137	0.462	0.233	<0.407	<0.291	<0.214	<1.05	e1.65	e1.52	<0.439	<0.792	0.025	<0.337	--	--	--
PCB-138 + 163 + 164	6.74	4.1	4.67	3.18	4.18	<1.05	3.47	1.68	<0.439	<0.792	0.023	<0.337	99.2	94.1	90.5
PCB-139 + 149	3.89	2.88	3.02	2.23	2.52	<0.506	2.07	0.916	<0.498	<0.429	<0.065	<0.361	118	98.2	99.7
PCB-140	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-141	0.709	0.509	0.535	0.374	0.466	<1.05	0.388	<1.04	<0.439	<0.792	e0.034	<0.337	--	--	--
PCB-145	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-146	0.798	e0.529	0.456	e0.273	e0.459	<0.459	0.44	<0.638	<0.452	<0.384	<0.060	<0.327	--	--	--
PCB-147	0.24	<0.223	<0.264	<0.181	e0.159	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-148	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-150	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-151	1.03	0.715	1	0.547	0.763	<0.629	0.646	<0.875	<0.620	<0.532	<0.082	<0.449	114	99.6	100
PCB-152	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-153	4.17	2.48	2.87	2.06	2.38	<0.966	2.21	<0.958	<0.403	<0.709	0.018	<0.309	96.6	94.7	92.2
PCB-154	<0.230	<0.223	<0.264	<0.181	<0.135	<0.506	<0.310	<0.703	<0.498	<0.429	<0.065	<0.361	--	--	--
PCB-155	<0.157	<0.152	<0.180	<0.123	<0.094	<0.358	<0.220	<0.498	<0.353	<0.293	<0.046	<0.255	95.2	89.6	90.9
PCB-156	0.49	e0.302	e0.380	<0.235	0.395	<0.820	0.32	<0.814	<0.342	<0.638	0.029	<0.262	107	93.9	92.6
PCB-157	e0.247	<0.160	<0.342	<0.244	<0.169	<0.833	<0.284	<0.827	<0.348	<0.665	0.021	<0.267	110	94.9	91.8
PCB-158 + 160	0.645	0.48	0.539	e0.433	0.486	<1.05	0.383	<1.04	<0.439	<0.792	<0.018	<0.337	--	--	--
PCB-159	<0.253	<0.191	<0.407	<0.291	<0.214	<1.05	<0.359	<1.04	<0.439	<0.792	<0.018	<0.337	--	--	--
PCB-161	<0.206	<0.199	<0.236	<0.162	<0.123	<0.459	<0.282	<0.638	<0.452	<0.384	<0.060	<0.327	--	--	--
PCB-162	<0.253	<0.191	<0.407	<0.291	<0.214	<1.05	<0.359	<1.04	<0.439	<0.792	<0.018	<0.337	--	--	--
PCB-165	<0.206	<0.199	<0.236	<0.162	<0.123	<0.459	<0.282	<0.638	<0.452	<0.384	<0.060	<0.327	--	--	--
PCB-166	<0.253	<0.191	<0.407	<0.291	<0.214	<1.05	<0.359	<1.04	<0.439	<0.792	<0.018	<0.337	--	--	--
PCB-167	0.227	0.225	<0.324	<0.232	<0.163	<0.809	<0.276	<0.803	<0.338	<0.631	0.016	<0.259	108	93.1	91.4
PCB-169	<0.209	<0.158	<0.337	<0.241	<0.169	<0.823	<0.281	<0.816	<0.343	<0.657	e0.043	<0.263	112	96.1	95.1
PCB-170 + 190	1.2	0.93	1.03	0.965	1.13	<0.713	0.816	<0.921	e0.712	<0.802	<0.129	<0.374	106	96.7	97.6
PCB-171	e0.350	<0.149	e0.272	<0.379	<0.246	<0.594	<0.536	<0.768	<0.468	<0.673	<0.105	<0.311	--	--	--
PCB-172 + 192	<0.202	<0.149	<0.213	<0.379	<0.246	<0.594	<0.536	<0.768	<0.468	<0.673	<0.105	<0.311	--	--	--
PCB-173	<0.202	<0.149	<0.213	<0.379	<0.246	<0.594	<0.536	<0.768	<0.468	<0.673	<0.105	<0.311	--	--	--
PCB-174 + 181	0.749	0.467	<0.216	0.413	0.541	<0.611	<0.551	<0.789	<0.482	<0.683	<0.105	<0.320	--	--	--

Table 4-2. Masses of particulate polychlorinated biphenyls in water at U.S. Geological Survey streamgauge Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005–2006.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners														
	Monthly composite river samples						Quality-control samples								
	May 2005 (ng/ sample)	June 2005 (ng/ sample)	July 2005 (ng/ sample)	August 2005 (ng/ sample)	Septem- ber 2005 (ng/ sample)	Decem- ber 2005 (ng/ sample)	January 2006 (ng/ sample)	February 2006 (ng/ sample)	March- April 2006 (ng/ sample)	May-05 to August-05 (ng/sample)	Septem- ber 2005 (ng/sample)	Decem- ber-05 to April-06 (ng/sample)	May-05 to August-05 (percent recovery)	Septem- ber 2005	Decem- ber-05 to April-06
PCB-175	<0.202	<0.149	<0.213	<0.379	<0.250	<0.609	<0.549	<0.787	<0.480	<0.674	<0.107	<0.319	--	--	--
PCB-176	<0.152	<0.112	<0.160	<0.285	<0.193	<0.467	<0.421	<0.604	<0.368	<0.507	<0.082	<0.245	--	--	--
PCB-177	0.494	0.308	0.35	<0.256	0.409	<0.611	<0.551	<0.789	<0.482	<0.683	<0.105	<0.320	--	--	--
PCB-178	<0.202	<0.149	<0.213	<0.379	<0.250	<0.609	<0.549	<0.787	<0.480	<0.674	<0.107	<0.319	--	--	--
PCB-179	0.396	0.236	0.221	<0.285	0.322	<0.467	<0.421	<0.604	<0.368	<0.507	<0.082	<0.245	--	--	--
PCB-180	1.83	1.33	1.41	1.07	1.2	<0.594	1.17	<0.768	<0.468	<0.673	<0.105	<0.311	105	91.3	95.4
PCB-182 + 187	1	0.719	0.748	0.484	0.706	<0.609	0.571	<0.787	<0.480	<0.674	<0.107	<0.319	101	93.7	95.6
PCB-183	0.466	0.329	e0.276	0.293	0.392	<0.611	<0.551	<0.789	<0.482	<0.683	<0.105	<0.320	106	94.5	96.2
PCB-184	<0.152	<0.112	<0.160	<0.285	<0.193	<0.467	<0.421	<0.604	<0.368	<0.507	<0.082	<0.245	--	--	--
PCB-185	<0.205	<0.151	<0.216	<0.256	<0.247	<0.611	<0.551	<0.789	<0.482	<0.683	<0.105	<0.320	--	--	--
PCB-186	<0.202	<0.149	<0.213	<0.379	<0.250	<0.609	<0.549	<0.787	<0.480	<0.674	<0.107	<0.319	--	--	--
PCB-188	<0.152	<0.112	<0.160	<0.285	<0.193	<0.467	<0.421	<0.604	<0.368	<0.507	<0.082	<0.245	91.8	92	90.3
PCB-189	<0.171	<0.126	<0.180	<0.321	<0.204	<0.493	<0.445	<0.638	<0.389	<0.571	<0.087	<0.259	109	94.1	99.4
PCB-191	<0.202	<0.149	<0.213	<0.379	<0.246	<0.594	<0.536	<0.768	<0.468	<0.673	<0.105	<0.311	--	--	--
PCB-193	<0.202	<0.149	<0.213	<0.379	<0.246	<0.594	<0.536	<0.768	<0.468	<0.673	<0.105	<0.311	--	--	--
PCB-194	e0.562	e0.346	<0.445	<0.523	e0.506	<0.765	<0.483	<1.47	<0.789	<0.925	<0.137	<0.593	118	98.9	108
PCB-195	<0.281	<0.272	<0.445	<0.523	<0.423	<0.765	<0.483	<1.47	<0.789	<0.925	<0.137	<0.593	--	--	--
PCB-196 + 203	e0.698	0.484	<0.419	<0.491	e0.635	<0.762	<0.480	<1.46	<0.785	<0.870	<0.133	<0.590	111	98.3	108
PCB-197	<0.185	<0.179	<0.293	<0.344	<0.293	<0.542	<0.342	<1.04	<0.559	<0.608	<0.095	<0.420	--	--	--
PCB-198	<0.264	<0.256	<0.419	<0.491	<0.409	<0.762	<0.480	<1.46	<0.785	<0.870	<0.133	<0.590	--	--	--
PCB-199	0.503	e0.361	<0.419	<0.491	e0.464	<0.762	<0.480	<1.46	<0.785	<0.870	<0.133	<0.590	--	--	--
PCB-200	<0.185	<0.179	<0.293	<0.344	<0.293	<0.542	<0.342	<1.04	<0.559	<0.608	<0.095	<0.420	--	--	--
PCB-201	<0.185	<0.179	<0.293	<0.344	<0.293	<0.542	<0.342	<1.04	<0.559	<0.608	<0.095	<0.420	--	--	--
PCB-202	<0.211	<0.205	<0.335	<0.393	<0.332	<0.613	<0.386	<1.17	<0.632	<0.697	<0.108	<0.475	105	94.5	102
PCB-204	<0.185	<0.179	<0.293	<0.344	<0.293	<0.542	<0.342	<1.04	<0.559	<0.608	<0.095	<0.420	--	--	--
PCB-205	<0.210	<0.204	<0.334	<0.392	<0.314	<0.587	<0.370	<1.12	<0.605	<0.694	<0.102	<0.455	115	92.2	108
PCB-206	<0.756	<0.375	<0.585	<0.722	e0.473	<1.30	<0.568	<2.39	<1.90	<1.67	<0.173	<0.986	98.2	92.1	101
PCB-207	<0.648	<0.321	<0.501	<0.618	<0.347	<1.15	<0.502	<2.11	<1.67	<1.43	e0.173	<0.870	--	--	--
PCB-208	<0.648	<0.321	<0.501	<0.618	<0.347	<1.15	<0.502	<2.11	<1.67	<1.43	e0.193	<0.870	96.9	94.5	98.6
PCB-209	0.611	0.419	<0.213	<0.226	0.483	<0.608	<0.409	<0.739	<1.28	<0.398	<0.123	<0.224	92.5	90.4	97.6
Total	180	121	164	150	150	10.6	83.8	27.8	1.66	<1.67	0.132	<	--	--	--

Table 4-2. Masses of particulate polychlorinated biphenyls in water at U.S. Geological Survey streamgage Neponset River at Milton Village (011055566), Milton, Massachusetts, 2005–2006.—Continued

[Analyzed by AXYS Analytical Services, Ltd., Sidney British Columbia, Canada; IUPAC, International Union of Pure and Applied Chemistry; ng, nanogram; PCB, polychlorinated biphenyl; <, actual value is less than value shown; e, estimated; --, not done]

IUPAC number	Polychlorinated biphenyl congeners													
	Monthly composite river samples						Quality-control samples							
	May 2005 (ng/ sample)	June 2005 (ng/ sample)	July 2005 (ng/ sample)	August 2005 (ng/ sample)	Septem- ber 2005 (ng/ sample)	Decem- ber 2005 (ng/ sample)	January 2006 (ng/ sample)	February 2006 (ng/ sample)	March- April 2006 (ng/ sample)	May-05 to August-05 (ng/sample)	Septem- ber 2005 April-06	Decem- ber-05 to August-05 2005	Matrix spike (percent recovery)	
Polychlorinated biphenyl homologs														
Total Monochloro- biphenyls	6.05	3.62	4.76	3.67	<0.180	<	0.97	<	<	<1.04	<2.13	<	--	--
Total Dichloro- biphenyls	28.5	17.8	23.3	27.8	19.5	0.532	8.78	3.92	1.66	<1.18	<0.324	<	--	--
Total Trichloro- biphenyls	33.7	21.9	29.7	35.3	24	1.9	14.8	3.34	<	<0.866	<0.129	<	--	--
Total Tetrachloro- biphenyls	48.3	35.1	58.9	47.9	65.3	6.18	25.7	13.8	<	<1.51	<0.191	<	--	--
Total Pentachloro- biphenyls	31	21.7	27	21.2	20.4	2.03	18.4	4.13	<	<1.16	<0.0948	<	--	--
Total Hexachloro- biphenyls	25	15.1	17	11	15.2	<	12.7	2.6	<	<0.932	0.132	<	--	--
Total Heptachloro- biphenyls	6.13	4.32	3.76	3.22	4.7	<	2.56	<	<	<0.802	<0.129	<	--	--
Total Octachloro- biphenyls	0.503	0.484	<0.445	<0.523	<0.423	<	<	<	<	<0.925	<0.137	<	--	--
Total Nonachloro- biphenyls	<0.756	<0.375	<0.585	<0.722	<0.384	<	<	<	<	<1.67	<0.173	<	--	--
Decachlorobiphenyls	0.611	0.419	<0.213	<0.226	0.483	<	<	<	<	<0.398	<0.123	<	--	--
Polychlorinated biphenyl Aroclors														
Aroclor 1221	<0.624	<0.501	<0.940	<0.670	<0.342	<0.827	<0.637	<0.758	<1.32	<1.98	<4.05	<1.13	--	--
Aroclor 1232	<1.12	<0.694	<1.68	<1.45	<0.721	<1.93	<1.14	<3.39	<4.22	<3.55	<7.24	<2.26	--	--
Aroclor 1016/1242	65.3	45.3	58.3	60.3	43.8	5.65	30.4	11.8	<4.71	<2.82	<0.695	<2.53	--	--
Aroclor 1248	<2.61	<2.22	<3.35	<2.99	<1.15	<3.61	<2.82	<4.37	<4.26	<4.21	<0.537	<2.09	--	--
Aroclor 1254	54.4	40.5	50.1	39.8	42.2	<6.29	39.3	<14.1	<9.67	<9.48	<0.808	<5.75	--	--
Aroclor 1260	24.8	18.4	19.3	16.5	19.3	<5.06	14.1	<6.54	<3.99	<5.69	<0.916	<2.66	--	--

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