APPENDIX C

Chemistry Flux Data

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Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
08/25/11										
	L53760-3									
		Arsenic, Total	1.27	0.01	217	0.276	29.2	0.009	0.0182	0.52
		Cadmium, Total	0.256	0.01	217	0.056	29.2	0.002	0.0182	0.10
		Chromium, Total	4.9	0.05	217	1.063	29.2	0.036	0.0182	2.00
		Copper, Total	31.2	0.1	217	6.770	29.2	0.232	0.0182	12.75
		Lead, Total	18.3	0.025	217	3.971	29.2	0.136	0.0182	7.48
		Nickel, Total	6.47	0.05	217	1.404	29.2	0.048	0.0182	2.64
		Silver, Total	0.0857	0.01	217	0.019	29.2	0.001	0.0182	0.04
		Vanadium, Total	9.13	0.025	217	1.981	29.2	0.068	0.0182	3.73
		Zinc, Total	154	0.5	217	33.418	29.2	1.145	0.0182	62.93
	L53760-4									
		Mercury, Total	0.0204	0.0002	234	0.005	29.2	0.000	0.0182	0.01
09/21/11										
	L53845-2									
		Arsenic, Total	0.695	0.01	348	0.242	26.8	0.009	0.0182	0.50
		Cadmium, Total	0.212	0.01	348	0.074	26.8	0.003	0.0182	0.15
		Chromium, Total	3.07	0.05	348	1.068	26.8	0.040	0.0182	2.19
		Copper, Total	24.3	0.1	348	8.456	26.8	0.316	0.0182	17.37
		Lead, Total	11.1	0.025	348	3.863	26.8	0.144	0.0182	7.93
		Nickel, Total	4.39	0.05	348	1.528	26.8	0.057	0.0182	3.14
		Silver, Total	0.0508	0.01	348	0.018	26.8	0.001	0.0182	0.04
		Vanadium, Total	5.49	0.025	348	1.911	26.8	0.071	0.0182	3.92
		Zinc, Total	113	0.5	348	39.324	26.8	1.470	0.0182	80.77
	L53845-3									
		Mercury, Total	0.0224	0.0002	335	0.008	26.8	0.000	0.0182	0.02
09/29/11										
	L54175-5									
		Arsenic, Total	0.25	0.01	309	0.077	8.1	0.010	0.0182	0.52
		Cadmium, Total	0.0533	0.01	309	0.016	8.1	0.002	0.0182	0.11
		Chromium, Total	1.26	0.05	309	0.389	8.1	0.048	0.0182	2.63
		Copper, Total	8.54	0.1	309	2.639	8.1	0.325	0.0182	17.85

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	3.49	0.025	309	1.078	8.1	0.133	0.0182	7.30
		Nickel, Total	1.42	0.05	309	0.439	8.1	0.054	0.0182	2.97
		Silver, Total	0.017	0.01	309	0.005	8.1	0.001	0.0182	0.04
		Vanadium, Total	1.46	0.025	309	0.451	8.1	0.056	0.0182	3.05
		Zinc, Total	40	0.5	309	12.360	8.1	1.522	0.0182	83.62
	L54175-6									
		Mercury, Total	0.0075	0.0002	362	0.003	8.1	0.000	0.0182	0.02
10/19/11										
	L54294-3									
		Arsenic, Total	0.192	0.01	750	0.144	20.0	0.007	0.0182	0.40
		Cadmium, Total	0.0584	0.01	750	0.044	20.0	0.002	0.0182	0.12
		Chromium, Total	0.557	0.05	750	0.418	20.0	0.021	0.0182	1.15
		Copper, Total	5.42	0.1	750	4.065	20.0	0.203	0.0182	11.15
		Lead, Total	2.16	0.025	750	1.620	20.0	0.081	0.0182	4.44
		Nickel, Total	0.852	0.05	750	0.639	20.0	0.032	0.0182	1.75
		Silver, Total	--	0.01	750	0.006	20.0	0.000	0.0182	0.02
		Vanadium, Total	1.11	0.025	750	0.833	20.0	0.042	0.0182	2.28
		Zinc, Total	21.7	0.5	750	16.275	20.0	0.812	0.0182	44.64
	L54294-4									
		Mercury, Total	0.00341	0.0002	750	0.003	20.0	0.000	0.0182	0.01
11/02/11										
	L54414-2									
		Arsenic, Total	0.203	0.01	513	0.104	14.0	0.007	0.0182	0.41
		Cadmium, Total	0.038	0.01	513	0.019	14.0	0.001	0.0182	0.08
		Chromium, Total	0.598	0.05	513	0.307	14.0	0.022	0.0182	1.20
		Copper, Total	5.79	0.1	513	2.970	14.0	0.212	0.0182	11.63
		Lead, Total	1.8	0.025	513	0.923	14.0	0.066	0.0182	3.62
		Nickel, Total	1.01	0.05	513	0.518	14.0	0.037	0.0182	2.03
		Silver, Total	0.011	0.01	513	0.006	14.0	0.000	0.0182	0.02
		Vanadium, Total	1.07	0.025	513	0.549	14.0	0.039	0.0182	2.15
		Zinc, Total	19.8	0.5	513	10.157	14.0	0.724	0.0182	39.78
	L54414-3									

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Mercury, Total	0.00375	0.0002	513	0.002	14.0	0.000	0.0182	0.01
11/16/11										
	L54542-3									
		Arsenic, Total	0.107	0.01	485	0.052	14.0	0.004	0.0182	0.20
		Cadmium, Total	0.024	0.01	485	0.012	14.0	0.001	0.0182	0.05
		Chromium, Total	0.29	0.05	485	0.141	14.0	0.010	0.0182	0.55
		Copper, Total	3.46	0.1	485	1.678	14.0	0.120	0.0182	6.59
		Lead, Total	0.94	0.025	485	0.456	14.0	0.033	0.0182	1.79
		Nickel, Total	0.488	0.05	485	0.237	14.0	0.017	0.0182	0.93
		Silver, Total	--	0.01	485	0.002	14.0	0.000	0.0182	0.01
		Vanadium, Total	0.478	0.025	485	0.232	14.0	0.017	0.0182	0.91
		Zinc, Total	18.5	0.5	485	8.973	14.0	0.641	0.0182	35.24
	L54542-4									
		Mercury, Total	0.00316	0.0002	488	0.002	14.0	0.000	0.0182	0.01
11/23/11										
	L54658-2									
		Arsenic, Total	0.0509	0.01	1414.86	0.072	6.8	0.011	0.0182	0.58
		Cadmium, Total	0.138	0.01	1414.86	0.195	6.8	0.029	0.0182	1.57
		Chromium, Total	0.17	0.05	1414.86	0.241	6.8	0.035	0.0182	1.94
		Copper, Total	1.93	0.1	1414.86	2.731	6.8	0.400	0.0182	21.98
		Lead, Total	0.538	0.025	1414.86	0.761	6.8	0.112	0.0182	6.13
		Mercury, Total	0.00131	0.0002	1414.86	0.002	6.8	0.000	0.0182	0.01
		Nickel, Total	0.296	0.05	1414.86	0.419	6.8	0.061	0.0182	3.37
		Silver, Total	--	0.01	1414.86	0.020	6.8	0.003	0.0182	0.16
		Vanadium, Total	0.229	0.025	1414.86	0.324	6.8	0.047	0.0182	2.61
		Zinc, Total	9.4	0.5	1414.86	13.300	6.8	1.948	0.0182	107.05
11/29/11										
	L54697-2									
		Arsenic, Total	0.0526	0.01	534.14	0.028	6.2	0.005	0.0182	0.25
		Cadmium, Total	0.029	0.01	534.14	0.015	6.2	0.002	0.0182	0.14
		Chromium, Total	0.17	0.05	534.14	0.091	6.2	0.015	0.0182	0.80
		Copper, Total	2	0.1	534.14	1.068	6.2	0.171	0.0182	9.41

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	0.472	0.025	534.14	0.252	6.2	0.040	0.0182	2.22
		Nickel, Total	0.25	0.05	534.14	0.134	6.2	0.021	0.0182	1.18
		Silver, Total	--	0.01	534.14	0.003	6.2	0.000	0.0182	0.03
		Vanadium, Total	0.231	0.025	534.14	0.123	6.2	0.020	0.0182	1.09
		Zinc, Total	5.62	0.5	534.14	3.002	6.2	0.481	0.0182	26.45
	L54697-3									
		Mercury, Total	0.0027	0.0002	535.67	0.001	6.2	0.000	0.0182	0.01
12/28/11										
	L54719-2									
		Arsenic, Total	0.208	0.01	602.99	0.125	28.9	0.004	0.0182	0.24
		Cadmium, Total	0.038	0.01	602.99	0.023	28.9	0.001	0.0182	0.04
		Chromium, Total	0.527	0.05	602.99	0.318	28.9	0.011	0.0182	0.60
		Copper, Total	6.6	0.1	602.99	3.980	28.9	0.138	0.0182	7.56
		Lead, Total	1.77	0.025	602.99	1.067	28.9	0.037	0.0182	2.03
		Mercury, Total	0.00533	0.0002	602.99	0.003	28.9	0.000	0.0182	0.01
		Nickel, Total	0.844	0.05	602.99	0.509	28.9	0.018	0.0182	0.97
		Silver, Total	--	0.01	602.99	0.004	28.9	0.000	0.0182	0.01
		Vanadium, Total	0.771	0.025	602.99	0.465	28.9	0.016	0.0182	0.88
		Zinc, Total	21	0.5	602.99	12.663	28.9	0.438	0.0182	24.05
01/11/12										
	L54845-3									
		Arsenic, Total	0.05	0.01	928.38	0.046	14.0	0.003	0.0182	0.18
		Cadmium, Total	0.02	0.01	928.38	0.019	14.0	0.001	0.0182	0.07
		Chromium, Total	0.18	0.05	928.38	0.167	14.0	0.012	0.0182	0.66
		Copper, Total	2.02	0.1	928.38	1.875	14.0	0.134	0.0182	7.39
		Lead, Total	0.576	0.025	928.38	0.535	14.0	0.038	0.0182	2.11
		Mercury, Total	0.00116	0.0002	928.38	0.001	14.0	0.000	0.0182	0.00
		Nickel, Total	0.284	0.05	928.38	0.264	14.0	0.019	0.0182	1.04
		Silver, Total	--	0.01	928.38	0.009	14.0	0.001	0.0182	0.03
		Vanadium, Total	0.253	0.025	928.38	0.235	14.0	0.017	0.0182	0.93
		Zinc, Total	13.9	0.5	928.38	12.904	14.0	0.925	0.0182	50.82
01/24/12										

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L54922-2									
		Arsenic, Total	0.0824	0.01	978.28	0.081	13.0	0.006	0.0182	0.34
		Cadmium, Total	0.017	0.01	978.28	0.017	13.0	0.001	0.0182	0.07
		Chromium, Total	0.2	0.05	978.28	0.196	13.0	0.015	0.0182	0.82
		Copper, Total	2.19	0.1	978.28	2.142	13.0	0.164	0.0182	9.02
		Lead, Total	0.65	0.025	978.28	0.636	13.0	0.049	0.0182	2.68
		Mercury, Total	0.000846	0.0002	978.28	0.001	13.0	0.000	0.0182	0.00
		Nickel, Total	0.21	0.05	978.28	0.205	13.0	0.016	0.0182	0.87
		Silver, Total	--	0.01	978.28	0.010	13.0	0.001	0.0182	0.04
		Vanadium, Total	0.352	0.025	978.28	0.344	13.0	0.026	0.0182	1.45
		Zinc, Total	10.1	0.5	978.28	9.881	13.0	0.757	0.0182	41.60
02/07/12										
	L54980-2									
		Arsenic, Total	0.0716	0.01	994.88	0.071	13.9	0.005	0.0182	0.28
		Cadmium, Total	0.01	0.01	994.88	0.010	13.9	0.001	0.0182	0.04
		Chromium, Total	0.24	0.05	994.88	0.239	13.9	0.017	0.0182	0.94
		Copper, Total	1.83	0.1	994.88	1.821	13.9	0.131	0.0182	7.20
		Lead, Total	0.75	0.025	994.88	0.746	13.9	0.054	0.0182	2.95
		Mercury, Total	0.00227	0.0002	994.88	0.002	13.9	0.000	0.0182	0.01
		Nickel, Total	0.24	0.05	994.88	0.239	13.9	0.017	0.0182	0.94
		Silver, Total	--	0.01	994.88	0.010	13.9	0.001	0.0182	0.04
		Vanadium, Total	0.398	0.025	994.88	0.396	13.9	0.029	0.0182	1.57
		Zinc, Total	8.51	0.5	994.88	8.466	13.9	0.610	0.0182	33.49
02/22/12										
	L55079-2									
		Arsenic, Total	0.104	0.01	810.2	0.084	15.0	0.006	0.0182	0.31
		Cadmium, Total	0.022	0.01	810.2	0.018	15.0	0.001	0.0182	0.07
		Chromium, Total	0.368	0.05	810.2	0.298	15.0	0.020	0.0182	1.09
		Copper, Total	3.66	0.1	810.2	2.965	15.0	0.197	0.0182	10.83
		Lead, Total	1.1	0.025	810.2	0.891	15.0	0.059	0.0182	3.26
		Mercury, Total	0.00208	0.0002	810.2	0.002	15.0	0.000	0.0182	0.01
		Nickel, Total	0.552	0.05	810.2	0.447	15.0	0.030	0.0182	1.63

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux ($\mu g/m^2/day$)
		Silver, Total	--	0.01	810.2	0.007	15.0	0.000	0.0182	0.02
		Vanadium, Total	0.88	0.025	810.2	0.713	15.0	0.047	0.0182	2.61
		Zinc, Total	13.9	0.5	810.2	11.262	15.0	0.749	0.0182	41.15
03/06/12										
	L55159-2									
		Arsenic, Total	0.0899	0.01	516.51	0.046	12.9	0.004	0.0182	0.20
		Cadmium, Total	0.022	0.01	516.51	0.011	12.9	0.001	0.0182	0.05
		Chromium, Total	0.327	0.05	516.51	0.169	12.9	0.013	0.0182	0.72
		Copper, Total	2.44	0.1	516.51	1.260	12.9	0.097	0.0182	5.36
		Lead, Total	0.8	0.025	516.51	0.413	12.9	0.032	0.0182	1.76
		Nickel, Total	0.323	0.05	516.51	0.167	12.9	0.013	0.0182	0.71
		Silver, Total	--	0.01	516.51	0.003	12.9	0.000	0.0182	0.01
		Vanadium, Total	0.334	0.025	516.51	0.173	12.9	0.013	0.0182	0.73
		Zinc, Total	12.4	0.5	516.51	6.405	12.9	0.495	0.0182	27.22
	L55159-3									
		Mercury, Total	0.00407	0.0002	533.04	0.002	12.9	0.000	0.0182	0.01
03/15/12										
	L55244-2									
		Arsenic, Total	0.0743	0.01	1225.38	0.091	9.0	0.010	0.0182	0.56
		Cadmium, Total	0.016	0.01	1225.38	0.020	9.0	0.002	0.0182	0.12
		Chromium, Total	0.23	0.05	1225.38	0.282	9.0	0.031	0.0182	1.72
		Copper, Total	1.67	0.1	1225.38	2.046	9.0	0.227	0.0182	12.48
		Lead, Total	0.62	0.025	1225.38	0.760	9.0	0.084	0.0182	4.63
		Mercury, Total	0.00127	0.0002	1225.38	0.002	9.0	0.000	0.0182	0.01
		Nickel, Total	0.22	0.05	1225.38	0.270	9.0	0.030	0.0182	1.64
		Silver, Total	--	0.01	1225.38	0.015	9.0	0.002	0.0182	0.09
		Vanadium, Total	0.253	0.025	1225.38	0.310	9.0	0.034	0.0182	1.89
		Zinc, Total	8.96	0.5	1225.38	10.979	9.0	1.219	0.0182	66.95
03/29/12										
	L55316-3									
		Arsenic, Total	0.0772	0.01	1212.15	0.094	14.1	0.007	0.0182	0.36
		Cadmium, Total	0.018	0.01	1212.15	0.022	14.1	0.002	0.0182	0.09

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Chromium, Total	0.26	0.05	1212.15	0.315	14.1	0.022	0.0182	1.23
		Copper, Total	1.88	0.1	1212.15	2.279	14.1	0.162	0.0182	8.88
		Lead, Total	0.715	0.025	1212.15	0.867	14.1	0.061	0.0182	3.38
		Mercury, Total	0.00469	0.0002	1212.15	0.006	14.1	0.000	0.0182	0.02
		Nickel, Total	0.409	0.05	1212.15	0.496	14.1	0.035	0.0182	1.93
		Silver, Total	--	0.01	1212.15	0.015	14.1	0.001	0.0182	0.06
		Vanadium, Total	0.361	0.025	1212.15	0.438	14.1	0.031	0.0182	1.71
		Zinc, Total	9.88	0.5	1212.15	11.976	14.1	0.849	0.0182	46.67
04/19/12										
	L55365-2									
		Arsenic, Total	0.0951	0.01	846.06	0.080	20.8	0.004	0.0182	0.21
		Cadmium, Total	0.026	0.01	846.06	0.022	20.8	0.001	0.0182	0.06
		Chromium, Total	0.306	0.05	846.06	0.259	20.8	0.012	0.0182	0.68
		Copper, Total	2.88	0.1	846.06	2.437	20.8	0.117	0.0182	6.42
		Lead, Total	0.918	0.025	846.06	0.777	20.8	0.037	0.0182	2.05
		Mercury, Total	0.0086	0.0002	846.06	0.007	20.8	0.000	0.0182	0.02
		Nickel, Total	0.407	0.05	846.06	0.344	20.8	0.017	0.0182	0.91
		Silver, Total	--	0.01	846.06	0.007	20.8	0.000	0.0182	0.02
		Vanadium, Total	0.694	0.025	846.06	0.587	20.8	0.028	0.0182	1.55
		Zinc, Total	15.3	0.5	846.06	12.945	20.8	0.621	0.0182	34.13
05/02/12										
	L55530-3									
		Arsenic, Total	0.241	0.01	797.16	0.192	13.2	0.015	0.0182	0.80
		Cadmium, Total	0.034	0.01	797.16	0.027	13.2	0.002	0.0182	0.11
		Chromium, Total	0.472	0.05	797.16	0.376	13.2	0.028	0.0182	1.57
		Copper, Total	3.64	0.1	797.16	2.902	13.2	0.220	0.0182	12.07
		Lead, Total	1.72	0.025	797.16	1.371	13.2	0.104	0.0182	5.71
		Mercury, Total	0.00514	0.0002	797.16	0.004	13.2	0.000	0.0182	0.02
		Nickel, Total	0.536	0.05	797.16	0.427	13.2	0.032	0.0182	1.78
		Silver, Total	0.017	0.01	797.16	0.014	13.2	0.001	0.0182	0.06
		Vanadium, Total	1.09	0.025	797.16	0.869	13.2	0.066	0.0182	3.62
		Zinc, Total	17.8	0.5	797.16	14.189	13.2	1.075	0.0182	59.04

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
05/31/12										
	L55594-2									
		Arsenic, Total	0.208	0.01	1097.15	0.228	29.0	0.008	0.0182	0.43
		Cadmium, Total	0.0612	0.01	1097.15	0.067	29.0	0.002	0.0182	0.13
		Chromium, Total	0.949	0.05	1097.15	1.041	29.0	0.036	0.0182	1.97
		Copper, Total	6.93	0.1	1097.15	7.603	29.0	0.262	0.0182	14.40
		Lead, Total	3.52	0.025	1097.15	3.862	29.0	0.133	0.0182	7.31
		Mercury, Total	0.00396	0.0002	1097.15	0.004	29.0	0.000	0.0182	0.01
		Nickel, Total	0.939	0.05	1097.15	1.030	29.0	0.036	0.0182	1.95
		Silver, Total	--	0.01	1097.15	0.012	29.0	0.000	0.0182	0.02
		Vanadium, Total	1.37	0.025	1097.15	1.503	29.0	0.052	0.0182	2.85
		Zinc, Total	27.2	0.5	1097.15	29.842	29.0	1.029	0.0182	56.52
06/27/12										
	L55793-2									
		Arsenic, Total	0.157	0.01	1263.48	0.198	26.9	0.007	0.0182	0.41
		Cadmium, Total	0.035	0.01	1263.48	0.044	26.9	0.002	0.0182	0.09
		Chromium, Total	0.644	0.05	1263.48	0.814	26.9	0.030	0.0182	1.66
		Copper, Total	5.85	0.1	1263.48	7.391	26.9	0.275	0.0182	15.10
		Lead, Total	2.49	0.025	1263.48	3.146	26.9	0.117	0.0182	6.43
		Mercury, Total	0.00526	0.0002	1263.48	0.007	26.9	0.000	0.0182	0.01
		Nickel, Total	0.685	0.05	1263.48	0.865	26.9	0.032	0.0182	1.77
		Silver, Total	--	0.01	1263.48	0.016	26.9	0.001	0.0182	0.03
		Vanadium, Total	0.95	0.025	1263.48	1.200	26.9	0.045	0.0182	2.45
		Zinc, Total	29.4	0.5	1263.48	37.146	26.9	1.381	0.0182	75.89
07/19/12										
	L55963-2									
		Arsenic, Total	0.326	0.01	445.83	0.145	22.1	0.007	0.0182	0.36
		Cadmium, Total	0.0745	0.01	445.83	0.033	22.1	0.002	0.0182	0.08
		Chromium, Total	1.61	0.05	445.83	0.718	22.1	0.032	0.0182	1.78
		Copper, Total	12.9	0.1	445.83	5.751	22.1	0.260	0.0182	14.30
		Lead, Total	6.44	0.025	445.83	2.871	22.1	0.130	0.0182	7.14
		Nickel, Total	2.05	0.05	445.83	0.914	22.1	0.041	0.0182	2.27

Table C-1. Metals Flux Calculations for Beacon Hill Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	0.019	0.01	445.83	0.008	22.1	0.000	0.0182	0.02
		Vanadium, Total	2.48	0.025	445.83	1.106	22.1	0.050	0.0182	2.75
		Zinc, Total	53.2	0.5	445.83	23.718	22.1	1.073	0.0182	58.98
	L55963-3									
		Mercury, Total	0.0103	0.0002	430.1	0.004	22.1	0.000	0.0182	0.01
10/10/12										
	L56386-11									
		Arsenic, Total	1.41	0.01	100	0.141	27.1	0.005	0.0182	0.29
		Cadmium, Total	0.262	0.01	100	0.026	27.1	0.001	0.0182	0.05
		Chromium, Total	6.37	0.05	100	0.637	27.1	0.023	0.0182	1.29
		Copper, Total	39.3	1	100	3.930	27.1	0.145	0.0182	7.96
		Lead, Total	24.6	0.025	100	2.460	27.1	0.091	0.0182	4.98
		Nickel, Total	6.67	0.05	100	0.667	27.1	0.025	0.0182	1.35
		Silver, Total	0.235	0.01	100	0.024	27.1	0.001	0.0182	0.05
		Vanadium, Total	6.92	0.025	100	0.692	27.1	0.026	0.0182	1.40
		Zinc, Total	185	5	100	18.500	27.1	0.682	0.0182	37.47
	L56386-12									
		Mercury, Total	0.0142	0.002	100	0.001	27.1	0.000	0.0182	0.00

-- Not Detected

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
08/25/11										
	L53760-10									
		Mercury, Total	0.0422	0.0004	206	0.009	28.9	0.000	0.0182	0.02
	L53760-8									
		Arsenic, Total	4.01	0.01	206	0.826	28.9	0.029	0.0182	1.57
		Cadmium, Total	0.706	0.01	206	0.145	28.9	0.005	0.0182	0.28
		Chromium, Total	16.3	0.05	206	3.358	28.9	0.116	0.0182	6.39
		Copper, Total	72.2	0.1	206	14.873	28.9	0.515	0.0182	28.30
		Lead, Total	52.9	0.025	206	10.897	28.9	0.377	0.0182	20.74
		Nickel, Total	12.9	0.05	206	2.657	28.9	0.092	0.0182	5.06
		Silver, Total	0.155	0.01	206	0.032	28.9	0.001	0.0182	0.06
		Vanadium, Total	20	0.025	206	4.120	28.9	0.143	0.0182	7.84
		Zinc, Total	373	0.5	206	76.838	28.9	2.661	0.0182	146.21
	L53760-11									
		Mercury, Total	0.0513	0.0008	209	0.011	28.9	0.000	0.0182	0.02
	L53760-9									
		Arsenic, Total	5.53	0.01	201	1.112	28.9	0.038	0.0182	2.12
		Cadmium, Total	1.13	0.01	201	0.227	28.9	0.008	0.0182	0.43
		Chromium, Total	20.7	0.05	201	4.161	28.9	0.144	0.0182	7.92
		Copper, Total	99.4	0.1	201	19.979	28.9	0.692	0.0182	38.02
		Lead, Total	74	0.025	201	14.874	28.9	0.515	0.0182	28.30
		Nickel, Total	16.7	0.05	201	3.357	28.9	0.116	0.0182	6.39
		Silver, Total	1.34	0.01	201	0.269	28.9	0.009	0.0182	0.51
		Vanadium, Total	27	0.025	201	5.427	28.9	0.188	0.0182	10.33
		Zinc, Total	498	0.5	201	100.098	28.9	3.467	0.0182	190.47
09/21/11										
	L53845-5									
		Arsenic, Total	2.7	0.01	351	0.948	27.0	0.035	0.0182	1.93
		Cadmium, Total	0.369	0.01	351	0.130	27.0	0.005	0.0182	0.26
		Chromium, Total	9	0.05	351	3.159	27.0	0.117	0.0182	6.42
		Copper, Total	35.7	0.1	351	12.531	27.0	0.464	0.0182	25.48
		Lead, Total	24	0.025	351	8.424	27.0	0.312	0.0182	17.13

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Nickel, Total	7.09	0.05	351	2.489	27.0	0.092	0.0182	5.06
		Silver, Total	0.0782	0.01	351	0.027	27.0	0.001	0.0182	0.06
		Vanadium, Total	12.8	0.025	351	4.493	27.0	0.166	0.0182	9.14
		Zinc, Total	185	0.5	351	64.935	27.0	2.403	0.0182	132.04
	L53845-6									
		Mercury, Total	0.0225	0.0002	359	0.008	27.0	0.000	0.0182	0.02
09/29/11										
	L54175-8									
		Arsenic, Total	0.86	0.01	453	0.390	8.0	0.049	0.0182	2.67
		Cadmium, Total	0.12	0.01	453	0.054	8.0	0.007	0.0182	0.37
		Chromium, Total	2.83	0.05	453	1.282	8.0	0.160	0.0182	8.78
		Copper, Total	14.1	0.1	453	6.387	8.0	0.796	0.0182	43.75
		Lead, Total	7.77	0.025	453	3.520	8.0	0.439	0.0182	24.11
		Nickel, Total	1.95	0.05	453	0.883	8.0	0.110	0.0182	6.05
		Silver, Total	0.027	0.01	453	0.012	8.0	0.002	0.0182	0.08
		Vanadium, Total	2.52	0.025	453	1.142	8.0	0.142	0.0182	7.82
		Zinc, Total	55	0.5	453	24.915	8.0	3.106	0.0182	170.68
	L54175-9									
		Mercury, Total	0.00644	0.0002	461	0.003	8.0	0.000	0.0182	0.02
10/19/11										
	L54294-6									
		Arsenic, Total	0.845	0.01	644	0.544	19.9	0.027	0.0182	1.50
		Cadmium, Total	0.264	0.01	644	0.170	19.9	0.009	0.0182	0.47
		Chromium, Total	2.3	0.05	644	1.481	19.9	0.074	0.0182	4.09
		Copper, Total	11.7	0.1	644	7.535	19.9	0.379	0.0182	20.80
		Lead, Total	7.39	0.025	644	4.759	19.9	0.239	0.0182	13.14
		Nickel, Total	1.57	0.05	644	1.011	19.9	0.051	0.0182	2.79
		Silver, Total	0.135	0.01	644	0.087	19.9	0.004	0.0182	0.24
		Vanadium, Total	2.52	0.025	644	1.623	19.9	0.082	0.0182	4.48
		Zinc, Total	45.1	0.5	644	29.044	19.9	1.459	0.0182	80.17
	L54294-7									
		Mercury, Total	0.0236	0.0002	644	0.015	19.9	0.001	0.0182	0.04

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
11/02/11										
	L54414-5									
		Arsenic, Total	0.72	0.01	446	0.321	14.0	0.023	0.0182	1.26
		Cadmium, Total	0.194	0.01	446	0.087	14.0	0.006	0.0182	0.34
		Chromium, Total	2.62	0.05	446	1.169	14.0	0.083	0.0182	4.58
		Copper, Total	14.6	0.1	446	6.512	14.0	0.464	0.0182	25.50
		Lead, Total	8.13	0.025	446	3.626	14.0	0.258	0.0182	14.20
		Nickel, Total	2.45	0.05	446	1.093	14.0	0.078	0.0182	4.28
		Silver, Total	0.035	0.01	446	0.016	14.0	0.001	0.0182	0.06
		Vanadium, Total	3.2	0.025	446	1.427	14.0	0.102	0.0182	5.59
		Zinc, Total	64.4	0.5	446	28.722	14.0	2.047	0.0182	112.47
	L54414-6									
		Mercury, Total	0.0065	0.0002	476	0.003	14.0	0.000	0.0182	0.01
11/16/11										
	L54542-6									
		Arsenic, Total	0.655	0.01	460.9	0.302	14.0	0.022	0.0182	1.18
		Cadmium, Total	0.199	0.01	460.9	0.092	14.0	0.007	0.0182	0.36
		Chromium, Total	2.18	0.05	460.9	1.005	14.0	0.072	0.0182	3.94
		Copper, Total	12.6	0.1	460.9	5.807	14.0	0.415	0.0182	22.79
		Lead, Total	6.14	0.025	460.9	2.830	14.0	0.202	0.0182	11.11
		Nickel, Total	2.14	0.05	460.9	0.986	14.0	0.070	0.0182	3.87
		Silver, Total	0.0557	0.01	460.9	0.026	14.0	0.002	0.0182	0.10
		Vanadium, Total	2.39	0.025	460.9	1.102	14.0	0.079	0.0182	4.32
		Zinc, Total	65.6	0.5	460.9	30.235	14.0	2.160	0.0182	118.66
	L54542-7									
		Mercury, Total	0.00362	0.0002	532.7	0.002	14.0	0.000	0.0182	0.01
11/23/11										
	L54658-5									
		Arsenic, Total	0.137	0.01	1582.98	0.217	7.0	0.031	0.0182	1.69
		Cadmium, Total	0.048	0.01	1582.98	0.076	7.0	0.011	0.0182	0.59
		Chromium, Total	0.341	0.05	1582.98	0.540	7.0	0.077	0.0182	4.22
		Copper, Total	3.03	0.1	1582.98	4.796	7.0	0.682	0.0182	37.48

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	1.12	0.025	1582.98	1.773	7.0	0.252	0.0182	13.85
		Mercury, Total	0.00397	0.0002	1582.98	0.006	7.0	0.001	0.0182	0.05
		Nickel, Total	0.374	0.05	1582.98	0.592	7.0	0.084	0.0182	4.63
		Silver, Total	--	0.01	1582.98	0.025	7.0	0.004	0.0182	0.20
		Vanadium, Total	0.31	0.025	1582.98	0.491	7.0	0.070	0.0182	3.83
		Zinc, Total	13.7	0.5	1582.98	21.687	7.0	3.084	0.0182	169.47
11/29/11										
	L54697-5									
		Arsenic, Total	0.156	0.01	509.96	0.080	6.0	0.013	0.0182	0.73
		Cadmium, Total	0.0525	0.01	509.96	0.027	6.0	0.004	0.0182	0.24
		Chromium, Total	0.436	0.05	509.96	0.222	6.0	0.037	0.0182	2.03
		Copper, Total	3.97	0.1	509.96	2.025	6.0	0.336	0.0182	18.48
		Lead, Total	1.11	0.025	509.96	0.566	6.0	0.094	0.0182	5.17
		Nickel, Total	0.427	0.05	509.96	0.218	6.0	0.036	0.0182	1.99
		Silver, Total	--	0.01	509.96	0.003	6.0	0.000	0.0182	0.02
		Vanadium, Total	0.414	0.025	509.96	0.211	6.0	0.035	0.0182	1.93
		Zinc, Total	12.9	0.5	509.96	6.578	6.0	1.093	0.0182	60.03
	L54697-6									
		Mercury, Total	0.00236	0.0002	532.46	0.001	6.0	0.000	0.0182	0.01
12/28/11										
	L54719-6									
		Arsenic, Total	0.611	0.01	604.7	0.369	28.9	0.013	0.0182	0.70
		Cadmium, Total	0.182	0.01	604.7	0.110	28.9	0.004	0.0182	0.21
		Chromium, Total	2.6	0.05	604.7	1.572	28.9	0.054	0.0182	2.99
		Copper, Total	15.6	0.1	604.7	9.433	28.9	0.326	0.0182	17.92
		Lead, Total	7.27	0.025	604.7	4.396	28.9	0.152	0.0182	8.35
		Mercury, Total	0.006	0.0002	604.7	0.004	28.9	0.000	0.0182	0.01
		Nickel, Total	2.82	0.05	604.7	1.705	28.9	0.059	0.0182	3.24
		Silver, Total	0.029	0.01	604.7	0.018	28.9	0.001	0.0182	0.03
		Vanadium, Total	2.47	0.025	604.7	1.494	28.9	0.052	0.0182	2.84
		Zinc, Total	82.9	0.5	604.7	50.130	28.9	1.733	0.0182	95.24
01/11/12										

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L54845-7									
		Arsenic, Total	0.117	0.01	1074.38	0.126	14.0	0.009	0.0182	0.49
		Cadmium, Total	0.0962	0.01	1074.38	0.103	14.0	0.007	0.0182	0.41
		Chromium, Total	0.466	0.05	1074.38	0.501	14.0	0.036	0.0182	1.97
		Copper, Total	3.67	0.1	1074.38	3.943	14.0	0.282	0.0182	15.48
		Lead, Total	1.46	0.025	1074.38	1.569	14.0	0.112	0.0182	6.16
		Mercury, Total	0.00136	0.0002	1074.38	0.001	14.0	0.000	0.0182	0.01
		Nickel, Total	0.433	0.05	1074.38	0.465	14.0	0.033	0.0182	1.83
		Silver, Total	--	0.01	1074.38	0.012	14.0	0.001	0.0182	0.05
		Vanadium, Total	0.436	0.025	1074.38	0.468	14.0	0.033	0.0182	1.84
		Zinc, Total	13.4	0.5	1074.38	14.397	14.0	1.029	0.0182	56.52
01/24/12										
	L54922-5									
		Arsenic, Total	0.134	0.01	1152.12	0.154	13.0	0.012	0.0182	0.65
		Cadmium, Total	0.0508	0.01	1152.12	0.059	13.0	0.004	0.0182	0.25
		Chromium, Total	0.475	0.05	1152.12	0.547	13.0	0.042	0.0182	2.31
		Copper, Total	2.83	0.1	1152.12	3.260	13.0	0.250	0.0182	13.76
		Lead, Total	1.67	0.025	1152.12	1.924	13.0	0.148	0.0182	8.12
		Mercury, Total	0.00266	0.0002	1152.12	0.003	13.0	0.000	0.0182	0.01
		Nickel, Total	0.695	0.05	1152.12	0.801	13.0	0.062	0.0182	3.38
		Silver, Total	--	0.01	1152.12	0.013	13.0	0.001	0.0182	0.06
		Vanadium, Total	0.738	0.025	1152.12	0.850	13.0	0.065	0.0182	3.59
		Zinc, Total	15.9	0.5	1152.12	18.319	13.0	1.407	0.0182	77.32
02/07/12										
	L54980-5									
		Arsenic, Total	0.162	0.01	946.31	0.153	14.0	0.011	0.0182	0.60
		Cadmium, Total	0.043	0.01	946.31	0.041	14.0	0.003	0.0182	0.16
		Chromium, Total	0.784	0.05	946.31	0.742	14.0	0.053	0.0182	2.91
		Copper, Total	3.52	0.1	946.31	3.331	14.0	0.238	0.0182	13.05
		Lead, Total	2.14	0.025	946.31	2.025	14.0	0.144	0.0182	7.93
		Mercury, Total	0.00193	0.0002	946.31	0.002	14.0	0.000	0.0182	0.01
		Nickel, Total	0.692	0.05	946.31	0.655	14.0	0.047	0.0182	2.57

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	--	0.01	946.31	0.009	14.0	0.001	0.0182	0.04
		Vanadium, Total	1.11	0.025	946.31	1.050	14.0	0.075	0.0182	4.12
		Zinc, Total	18.9	0.5	946.31	17.885	14.0	1.275	0.0182	70.07
02/22/12										
	L55079-5									
		Arsenic, Total	0.387	0.01	560.04	0.217	15.0	0.014	0.0182	0.79
		Cadmium, Total	0.168	0.01	560.04	0.094	15.0	0.006	0.0182	0.34
		Chromium, Total	1.7	0.05	560.04	0.952	15.0	0.063	0.0182	3.49
		Copper, Total	12.5	0.1	560.04	7.001	15.0	0.466	0.0182	25.63
		Lead, Total	5.93	0.025	560.04	3.321	15.0	0.221	0.0182	12.16
		Mercury, Total	0.00396	0.0002	560.04	0.002	15.0	0.000	0.0182	0.01
		Nickel, Total	2.27	0.05	560.04	1.271	15.0	0.085	0.0182	4.65
		Silver, Total	0.025	0.01	560.04	0.014	15.0	0.001	0.0182	0.05
		Vanadium, Total	3.62	0.025	560.04	2.027	15.0	0.135	0.0182	7.42
		Zinc, Total	55	0.5	560.04	30.802	15.0	2.052	0.0182	112.75
03/06/12										
	L55159-6									
		Arsenic, Total	0.348	0.01	598.63	0.208	13.0	0.016	0.0182	0.88
		Cadmium, Total	0.261	0.01	598.63	0.156	13.0	0.012	0.0182	0.66
		Chromium, Total	1.29	0.05	598.63	0.772	13.0	0.060	0.0182	3.28
		Copper, Total	8.38	0.1	598.63	5.017	13.0	0.387	0.0182	21.28
		Lead, Total	3.55	0.025	598.63	2.125	13.0	0.164	0.0182	9.02
		Nickel, Total	1.37	0.05	598.63	0.820	13.0	0.063	0.0182	3.48
		Silver, Total	0.014	0.01	598.63	0.008	13.0	0.001	0.0182	0.04
		Vanadium, Total	1.17	0.025	598.63	0.700	13.0	0.054	0.0182	2.97
		Zinc, Total	40	0.5	598.63	23.945	13.0	1.849	0.0182	101.59
	L55159-7									
		Mercury, Total	0.00345	0.0002	535.89	0.002	13.0	0.000	0.0182	0.01
03/15/12										
	L55244-5									
		Arsenic, Total	0.166	0.01	1407.87	0.234	9.0	0.026	0.0182	1.43
		Cadmium, Total	0.0904	0.01	1407.87	0.127	9.0	0.014	0.0182	0.78

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Chromium, Total	0.636	0.05	1407.87	0.895	9.0	0.099	0.0182	5.46
		Copper, Total	3.37	0.1	1407.87	4.745	9.0	0.527	0.0182	28.94
		Lead, Total	2.04	0.025	1407.87	2.872	9.0	0.319	0.0182	17.52
		Mercury, Total	0.00194	0.0002	1407.87	0.003	9.0	0.000	0.0182	0.02
		Nickel, Total	0.624	0.05	1407.87	0.879	9.0	0.098	0.0182	5.36
		Silver, Total	0.011	0.01	1407.87	0.015	9.0	0.002	0.0182	0.09
		Vanadium, Total	1.06	0.025	1407.87	1.492	9.0	0.166	0.0182	9.10
		Zinc, Total	14.3	0.5	1407.87	20.133	9.0	2.235	0.0182	122.81
03/29/12										
	L55316-6									
		Arsenic, Total	0.225	0.01	1344.73	0.303	14.0	0.022	0.0182	1.19
		Cadmium, Total	0.149	0.01	1344.73	0.200	14.0	0.014	0.0182	0.79
		Chromium, Total	0.973	0.05	1344.73	1.308	14.0	0.094	0.0182	5.14
		Copper, Total	5.61	0.1	1344.73	7.544	14.0	0.540	0.0182	29.64
		Lead, Total	2.59	0.025	1344.73	3.483	14.0	0.249	0.0182	13.69
		Mercury, Total	0.0282	0.0002	1344.73	0.038	14.0	0.003	0.0182	0.15
		Nickel, Total	0.848	0.05	1344.73	1.140	14.0	0.082	0.0182	4.48
		Silver, Total	--	0.01	1344.73	0.018	14.0	0.001	0.0182	0.07
		Vanadium, Total	1.5	0.025	1344.73	2.017	14.0	0.144	0.0182	7.93
		Zinc, Total	21.3	0.5	1344.73	28.643	14.0	2.048	0.0182	112.55
04/19/12										
	L55365-5									
		Arsenic, Total	0.235	0.01	1111.28	0.261	21.2	0.012	0.0182	0.68
		Cadmium, Total	0.122	0.01	1111.28	0.136	21.2	0.006	0.0182	0.35
		Chromium, Total	1.07	0.05	1111.28	1.189	21.2	0.056	0.0182	3.09
		Copper, Total	5.53	0.1	1111.28	6.145	21.2	0.290	0.0182	15.95
		Lead, Total	2.74	0.025	1111.28	3.045	21.2	0.144	0.0182	7.90
		Mercury, Total	0.0147	0.0002	1111.28	0.016	21.2	0.001	0.0182	0.04
		Nickel, Total	0.941	0.05	1111.28	1.046	21.2	0.049	0.0182	2.71
		Silver, Total	--	0.01	1111.28	0.012	21.2	0.001	0.0182	0.03
		Vanadium, Total	1.42	0.025	1111.28	1.578	21.2	0.075	0.0182	4.10
		Zinc, Total	29.1	0.5	1111.28	32.338	21.2	1.528	0.0182	83.94

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
05/02/12										
	L55530-9									
		Arsenic, Total	0.388	0.01	812.53	0.315	12.8	0.025	0.0182	1.35
		Cadmium, Total	0.134	0.01	812.53	0.109	12.8	0.008	0.0182	0.47
		Chromium, Total	1.53	0.05	812.53	1.243	12.8	0.097	0.0182	5.32
		Copper, Total	9.04	0.1	812.53	7.345	12.8	0.572	0.0182	31.43
		Lead, Total	4.51	0.025	812.53	3.665	12.8	0.285	0.0182	15.68
		Mercury, Total	0.00394	0.0002	812.53	0.003	12.8	0.000	0.0182	0.01
		Nickel, Total	1.31	0.05	812.53	1.064	12.8	0.083	0.0182	4.55
		Silver, Total	--	0.01	812.53	0.007	12.8	0.001	0.0182	0.03
		Vanadium, Total	1.79	0.025	812.53	1.454	12.8	0.113	0.0182	6.22
		Zinc, Total	43.1	0.5	812.53	35.020	12.8	2.727	0.0182	149.85
05/31/12										
	L55594-5									
		Arsenic, Total	0.434	0.01	1134.31	0.492	29.0	0.017	0.0182	0.93
		Cadmium, Total	0.25	0.01	1134.31	0.284	29.0	0.010	0.0182	0.54
		Chromium, Total	2.13	0.05	1134.31	2.416	29.0	0.083	0.0182	4.58
		Copper, Total	11.3	0.1	1134.31	12.818	29.0	0.442	0.0182	24.29
		Lead, Total	6.19	0.025	1134.31	7.021	29.0	0.242	0.0182	13.31
		Mercury, Total	0.007	0.0002	1134.31	0.008	29.0	0.000	0.0182	0.02
		Nickel, Total	1.64	0.05	1134.31	1.860	29.0	0.064	0.0182	3.53
		Silver, Total	0.017	0.01	1134.31	0.019	29.0	0.001	0.0182	0.04
		Vanadium, Total	2.87	0.025	1134.31	3.255	29.0	0.112	0.0182	6.17
		Zinc, Total	55.8	0.5	1134.31	63.294	29.0	2.183	0.0182	119.96
06/27/12										
	L55793-5									
		Arsenic, Total	0.294	0.01	1365.47	0.401	27.0	0.015	0.0182	0.82
		Cadmium, Total	0.153	0.01	1365.47	0.209	27.0	0.008	0.0182	0.43
		Chromium, Total	1.26	0.05	1365.47	1.720	27.0	0.064	0.0182	3.50
		Copper, Total	5.93	0.1	1365.47	8.097	27.0	0.300	0.0182	16.48
		Lead, Total	3.7	0.025	1365.47	5.052	27.0	0.187	0.0182	10.28
		Mercury, Total	0.0062	0.0002	1365.47	0.008	27.0	0.000	0.0182	0.02

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Nickel, Total	1.04	0.05	1365.47	1.420	27.0	0.053	0.0182	2.89
		Silver, Total	0.013	0.01	1365.47	0.018	27.0	0.001	0.0182	0.04
		Vanadium, Total	1.81	0.025	1365.47	2.472	27.0	0.092	0.0182	5.03
		Zinc, Total	36.1	0.5	1365.47	49.293	27.0	1.826	0.0182	100.31
07/19/12										
	L55963-6									
		Arsenic, Total	0.639	0.01	391.59	0.250	22.0	0.011	0.0182	0.63
		Cadmium, Total	0.282	0.01	391.59	0.110	22.0	0.005	0.0182	0.28
		Chromium, Total	3.36	0.05	391.59	1.316	22.0	0.060	0.0182	3.29
		Copper, Total	15	0.1	391.59	5.874	22.0	0.267	0.0182	14.68
		Lead, Total	9.15	0.025	391.59	3.583	22.0	0.163	0.0182	8.95
		Nickel, Total	3.24	0.05	391.59	1.269	22.0	0.058	0.0182	3.17
		Silver, Total	0.043	0.01	391.59	0.017	22.0	0.001	0.0182	0.04
		Vanadium, Total	4.63	0.025	391.59	1.813	22.0	0.082	0.0182	4.53
		Zinc, Total	114	0.5	391.59	44.641	22.0	2.030	0.0182	111.54
	L55963-7									
		Mercury, Total	0.00531	0.0002	366.19	0.002	22.0	0.000	0.0182	0.00
07/26/12										
	L56076-3									
		Arsenic, Total	0.283	0.01	409.16	0.116	7.0	0.017	0.0182	0.91
		Cadmium, Total	0.0901	0.01	409.16	0.037	7.0	0.005	0.0182	0.29
		Chromium, Total	1.14	0.05	409.16	0.466	7.0	0.067	0.0182	3.65
		Copper, Total	7.4	0.1	409.16	3.028	7.0	0.432	0.0182	23.72
		Lead, Total	3.47	0.025	409.16	1.420	7.0	0.202	0.0182	11.12
		Nickel, Total	1.33	0.05	409.16	0.544	7.0	0.078	0.0182	4.26
		Silver, Total	0.013	0.01	409.16	0.005	7.0	0.001	0.0182	0.04
		Vanadium, Total	1.94	0.025	409.16	0.794	7.0	0.113	0.0182	6.22
		Zinc, Total	37.7	0.5	409.16	15.425	7.0	2.199	0.0182	120.84
	L56076-4									
		Mercury, Total	0.00962	0.0002	395.28	0.004	7.0	0.001	0.0182	0.03
08/16/12										
	L56171-3									

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Arsenic, Total	3.02	0.01	100	0.302	21.0	0.014	0.0182	0.79
		Cadmium, Total	0.499	0.01	100	0.050	21.0	0.002	0.0182	0.13
		Chromium, Total	12.6	0.05	100	1.260	21.0	0.060	0.0182	3.29
		Copper, Total	92.1	0.1	100	9.210	21.0	0.438	0.0182	24.07
		Lead, Total	45	0.025	100	4.500	21.0	0.214	0.0182	11.76
		Nickel, Total	8.38	0.05	100	0.838	21.0	0.040	0.0182	2.19
		Silver, Total	0.179	0.01	100	0.018	21.0	0.001	0.0182	0.05
		Vanadium, Total	12.6	0.025	100	1.260	21.0	0.060	0.0182	3.29
		Zinc, Total	312	0.5	100	31.200	21.0	1.484	0.0182	81.54
	L56171-4									
		Mercury, Total	0.154	0.02	100	0.015	21.0	0.001	0.0182	0.04
09/06/12										
	L56292-3									
		Arsenic, Total	3.85	0.01	100	0.385	21.2	0.018	0.0182	1.00
		Cadmium, Total	0.591	0.01	100	0.059	21.2	0.003	0.0182	0.15
		Chromium, Total	18.2	0.05	100	1.820	21.2	0.086	0.0182	4.72
		Copper, Total	83.8	0.1	100	8.380	21.2	0.395	0.0182	21.72
		Lead, Total	38.1	0.025	100	3.810	21.2	0.180	0.0182	9.87
		Nickel, Total	10.7	0.05	100	1.070	21.2	0.050	0.0182	2.77
		Silver, Total	0.277	0.01	100	0.028	21.2	0.001	0.0182	0.07
		Vanadium, Total	14.4	0.025	100	1.440	21.2	0.068	0.0182	3.73
		Zinc, Total	350	0.5	100	35.000	21.2	1.651	0.0182	90.71
	L56292-4									
		Mercury, Total	0.0361	0.002	100	0.004	21.2	0.000	0.0182	0.01
10/10/12										
	L56386-3									
		Arsenic, Total	5.25	0.01	100	0.525	27.1	0.019	0.0182	1.06
		Cadmium, Total	1.26	0.01	100	0.126	27.1	0.005	0.0182	0.26
		Chromium, Total	21.6	0.05	100	2.160	27.1	0.080	0.0182	4.37
		Copper, Total	133	5	100	13.300	27.1	0.490	0.0182	26.92
		Lead, Total	18.2	0.025	100	1.820	27.1	0.067	0.0182	3.68
		Nickel, Total	16.5	0.05	100	1.650	27.1	0.061	0.0182	3.34

Table C-2. Metals Flux Calculations for Duwamish Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	0.722	0.01	100	0.072	27.1	0.003	0.0182	0.15
		Vanadium, Total	20.5	0.025	100	2.050	27.1	0.076	0.0182	4.15
		Zinc, Total	551	25	100	55.100	27.1	2.030	0.0182	111.51
	L56386-4									
		Mercury, Total	0.0332	0.002	100	0.003	27.1	0.000	0.0182	0.01

-- Not Detected

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
08/25/11										
	L53760-14									
		Arsenic, Total	2.74	0.01	201	0.551	28.9	0.019	0.0182	1.05
		Cadmium, Total	1.65	0.01	201	0.332	28.9	0.011	0.0182	0.63
		Chromium, Total	12.2	0.05	201	2.452	28.9	0.085	0.0182	4.66
		Copper, Total	77.2	0.1	201	15.517	28.9	0.537	0.0182	29.52
		Lead, Total	84.8	0.025	201	17.045	28.9	0.590	0.0182	32.42
		Nickel, Total	15.8	0.05	201	3.176	28.9	0.110	0.0182	6.04
		Silver, Total	0.392	0.01	201	0.079	28.9	0.003	0.0182	0.15
		Vanadium, Total	9.24	0.025	201	1.857	28.9	0.064	0.0182	3.53
		Zinc, Total	642	0.5	201	129.042	28.9	4.467	0.0182	245.46
	L53760-15									
		Mercury, Total	0.0753	0.001	200	0.015	28.9	0.001	0.0182	0.03
09/21/11										
	L53845-8									
		Arsenic, Total	1.76	0.01	331	0.583	27.0	0.022	0.0182	1.19
		Cadmium, Total	1.08	0.01	331	0.357	27.0	0.013	0.0182	0.73
		Chromium, Total	8.45	0.05	331	2.797	27.0	0.104	0.0182	5.69
		Copper, Total	54.8	0.1	331	18.139	27.0	0.672	0.0182	36.93
		Lead, Total	52.4	0.025	331	17.344	27.0	0.643	0.0182	35.31
		Nickel, Total	9.14	0.05	331	3.025	27.0	0.112	0.0182	6.16
		Silver, Total	0.132	0.01	331	0.044	27.0	0.002	0.0182	0.09
		Vanadium, Total	7.25	0.025	331	2.400	27.0	0.089	0.0182	4.89
		Zinc, Total	406	0.5	331	134.386	27.0	4.979	0.0182	273.58
	L53845-9									
		Mercury, Total	0.0442	0.001	371	0.016	27.0	0.001	0.0182	0.03
09/29/11										
	L54175-12									
		Arsenic, Total	0.299	0.01	459	0.137	8.0	0.017	0.0182	0.94
		Cadmium, Total	0.125	0.01	459	0.057	8.0	0.007	0.0182	0.39
		Chromium, Total	1.27	0.05	459	0.583	8.0	0.073	0.0182	3.99
		Copper, Total	10.3	0.1	459	4.728	8.0	0.590	0.0182	32.40

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	8.07	0.025	459	3.704	8.0	0.462	0.0182	25.38
		Nickel, Total	1.42	0.05	459	0.652	8.0	0.081	0.0182	4.47
		Silver, Total	0.018	0.01	459	0.008	8.0	0.001	0.0182	0.06
		Vanadium, Total	0.917	0.025	459	0.421	8.0	0.052	0.0182	2.88
		Zinc, Total	61.8	0.5	459	28.366	8.0	3.538	0.0182	194.40
	L54175-13									
		Mercury, Total	0.0214	0.0002	428	0.009	8.0	0.001	0.0182	0.06
10/19/11										
	L54294-10									
		Arsenic, Total	0.294	0.01	768	0.226	19.9	0.011	0.0182	0.62
		Cadmium, Total	0.225	0.01	768	0.173	19.9	0.009	0.0182	0.48
		Chromium, Total	1.21	0.05	768	0.929	19.9	0.047	0.0182	2.57
		Copper, Total	9.66	0.1	768	7.419	19.9	0.373	0.0182	20.48
		Lead, Total	7.62	0.025	768	5.852	19.9	0.294	0.0182	16.15
		Nickel, Total	1.57	0.05	768	1.206	19.9	0.061	0.0182	3.33
		Silver, Total	0.016	0.01	768	0.012	19.9	0.001	0.0182	0.03
		Vanadium, Total	1.11	0.025	768	0.852	19.9	0.043	0.0182	2.35
		Zinc, Total	65.2	0.5	768	50.074	19.9	2.515	0.0182	138.21
	L54294-11									
		Mercury, Total	0.00652	0.0002	768	0.005	19.9	0.000	0.0182	0.01
11/02/11										
	L54414-8									
		Arsenic, Total	0.278	0.01	514	0.143	14.0	0.010	0.0182	0.56
		Cadmium, Total	0.164	0.01	514	0.084	14.0	0.006	0.0182	0.33
		Chromium, Total	0.979	0.05	514	0.503	14.0	0.036	0.0182	1.97
		Copper, Total	9.19	0.1	514	4.724	14.0	0.337	0.0182	18.50
		Lead, Total	5.24	0.025	514	2.693	14.0	0.192	0.0182	10.55
		Nickel, Total	1.74	0.05	514	0.894	14.0	0.064	0.0182	3.50
		Silver, Total	0.015	0.01	514	0.008	14.0	0.001	0.0182	0.03
		Vanadium, Total	0.805	0.025	514	0.414	14.0	0.029	0.0182	1.62
		Zinc, Total	55.3	0.5	514	28.424	14.0	2.026	0.0182	111.31
	L54414-9									

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Mercury, Total	0.00873	0.0002	514	0.004	14.0	0.000	0.0182	0.02
11/16/11										
	L54542-10									
		Arsenic, Total	0.215	0.01	588.2	0.126	14.0	0.009	0.0182	0.50
		Cadmium, Total	0.0682	0.01	588.2	0.040	14.0	0.003	0.0182	0.16
		Chromium, Total	0.636	0.05	588.2	0.374	14.0	0.027	0.0182	1.47
		Copper, Total	6.03	0.1	588.2	3.547	14.0	0.253	0.0182	13.93
		Lead, Total	2.58	0.025	588.2	1.518	14.0	0.108	0.0182	5.96
		Nickel, Total	0.971	0.05	588.2	0.571	14.0	0.041	0.0182	2.24
		Silver, Total	--	0.01	588.2	0.003	14.0	0.000	0.0182	0.01
		Vanadium, Total	0.544	0.025	588.2	0.320	14.0	0.023	0.0182	1.26
		Zinc, Total	34.9	0.5	588.2	20.528	14.0	1.467	0.0182	80.61
	L54542-11									
		Mercury, Total	0.00305	0.0002	525.3	0.002	14.0	0.000	0.0182	0.01
11/23/11										
	L54658-8									
		Arsenic, Total	0.0786	0.01	1606.02	0.126	7.1	0.018	0.0182	0.98
		Cadmium, Total	0.014	0.01	1606.02	0.022	7.1	0.003	0.0182	0.17
		Chromium, Total	0.16	0.05	1606.02	0.257	7.1	0.036	0.0182	1.99
		Copper, Total	1.85	0.1	1606.02	2.971	7.1	0.420	0.0182	23.06
		Lead, Total	0.807	0.025	1606.02	1.296	7.1	0.183	0.0182	10.06
		Mercury, Total	0.00121	0.0002	1606.02	0.002	7.1	0.000	0.0182	0.02
		Nickel, Total	0.2	0.05	1606.02	0.321	7.1	0.045	0.0182	2.49
		Silver, Total	--	0.01	1606.02	0.026	7.1	0.004	0.0182	0.20
		Vanadium, Total	0.144	0.025	1606.02	0.231	7.1	0.033	0.0182	1.79
		Zinc, Total	7.92	0.5	1606.02	12.720	7.1	1.797	0.0182	98.71
11/29/11										
	L54697-8									
		Arsenic, Total	0.077	0.01	521.53	0.040	6.0	0.007	0.0182	0.37
		Cadmium, Total	--	0.01	521.53	0.003	6.0	0.000	0.0182	0.03
		Chromium, Total	0.16	0.05	521.53	0.083	6.0	0.014	0.0182	0.77
		Copper, Total	1.81	0.1	521.53	0.944	6.0	0.158	0.0182	8.66

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	1.03	0.025	521.53	0.537	6.0	0.090	0.0182	4.93
		Nickel, Total	0.25	0.05	521.53	0.130	6.0	0.022	0.0182	1.20
		Silver, Total	--	0.01	521.53	0.003	6.0	0.000	0.0182	0.03
		Vanadium, Total	0.17	0.025	521.53	0.089	6.0	0.015	0.0182	0.81
		Zinc, Total	7.27	0.5	521.53	3.792	6.0	0.633	0.0182	34.78
	L54697-9									
		Mercury, Total	0.0035	0.0002	490.88	0.002	6.0	0.000	0.0182	0.02
12/28/11										
	L54719-10									
		Arsenic, Total	0.317	0.01	612.67	0.194	28.9	0.007	0.0182	0.37
		Cadmium, Total	0.0821	0.01	612.67	0.050	28.9	0.002	0.0182	0.10
		Chromium, Total	1.15	0.05	612.67	0.705	28.9	0.024	0.0182	1.34
		Copper, Total	10.4	0.1	612.67	6.372	28.9	0.220	0.0182	12.10
		Lead, Total	3.49	0.025	612.67	2.138	28.9	0.074	0.0182	4.06
		Mercury, Total	0.00489	0.0002	612.67	0.003	28.9	0.000	0.0182	0.01
		Nickel, Total	1.26	0.05	612.67	0.772	28.9	0.027	0.0182	1.47
		Silver, Total	0.013	0.01	612.67	0.008	28.9	0.000	0.0182	0.02
		Vanadium, Total	0.778	0.025	612.67	0.477	28.9	0.016	0.0182	0.91
		Zinc, Total	88.9	0.5	612.67	54.466	28.9	1.883	0.0182	103.44
01/11/12										
	L54845-10									
		Arsenic, Total	0.0647	0.01	1101.28	0.071	14.0	0.005	0.0182	0.28
		Cadmium, Total	0.018	0.01	1101.28	0.020	14.0	0.001	0.0182	0.08
		Chromium, Total	0.271	0.05	1101.28	0.298	14.0	0.021	0.0182	1.17
		Copper, Total	2.37	0.1	1101.28	2.610	14.0	0.187	0.0182	10.27
		Lead, Total	0.975	0.025	1101.28	1.074	14.0	0.077	0.0182	4.22
		Mercury, Total	0.00268	0.0002	1101.28	0.003	14.0	0.000	0.0182	0.01
		Nickel, Total	0.308	0.05	1101.28	0.339	14.0	0.024	0.0182	1.33
		Silver, Total	--	0.01	1101.28	0.012	14.0	0.001	0.0182	0.05
		Vanadium, Total	0.21	0.025	1101.28	0.231	14.0	0.017	0.0182	0.91
		Zinc, Total	14.4	0.5	1101.28	15.858	14.0	1.135	0.0182	62.38
01/24/12										

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L54922-8									
		Arsenic, Total	0.106	0.01	1129.02	0.120	13.0	0.009	0.0182	0.50
		Cadmium, Total	0.029	0.01	1129.02	0.033	13.0	0.003	0.0182	0.14
		Chromium, Total	0.385	0.05	1129.02	0.435	13.0	0.033	0.0182	1.83
		Copper, Total	2.41	0.1	1129.02	2.721	13.0	0.209	0.0182	11.48
		Lead, Total	2.3	0.025	1129.02	2.597	13.0	0.199	0.0182	10.95
		Mercury, Total	0.00139	0.0002	1129.02	0.002	13.0	0.000	0.0182	0.01
		Nickel, Total	0.737	0.05	1129.02	0.832	13.0	0.064	0.0182	3.51
		Silver, Total	--	0.01	1129.02	0.013	13.0	0.001	0.0182	0.05
		Vanadium, Total	0.359	0.025	1129.02	0.405	13.0	0.031	0.0182	1.71
		Zinc, Total	17	0.5	1129.02	19.193	13.0	1.473	0.0182	80.95
02/07/12										
	L54980-9									
		Arsenic, Total	0.107	0.01	1017.28	0.109	14.0	0.008	0.0182	0.43
		Cadmium, Total	0.044	0.01	1017.28	0.045	14.0	0.003	0.0182	0.18
		Chromium, Total	0.436	0.05	1017.28	0.444	14.0	0.032	0.0182	1.74
		Copper, Total	2.83	0.1	1017.28	2.879	14.0	0.205	0.0182	11.28
		Lead, Total	6.79	0.025	1017.28	6.907	14.0	0.493	0.0182	27.07
		Mercury, Total	0.00473	0.0002	1017.28	0.005	14.0	0.000	0.0182	0.02
		Nickel, Total	0.603	0.05	1017.28	0.613	14.0	0.044	0.0182	2.40
		Silver, Total	--	0.01	1017.28	0.010	14.0	0.001	0.0182	0.04
		Vanadium, Total	0.407	0.025	1017.28	0.414	14.0	0.030	0.0182	1.62
		Zinc, Total	20.4	0.5	1017.28	20.753	14.0	1.480	0.0182	81.33
02/22/12										
	L55079-8									
		Arsenic, Total	0.159	0.01	1317.06	0.209	15.0	0.014	0.0182	0.77
		Cadmium, Total	0.044	0.01	1317.06	0.058	15.0	0.004	0.0182	0.21
		Chromium, Total	0.581	0.05	1317.06	0.765	15.0	0.051	0.0182	2.80
		Copper, Total	3.61	0.1	1317.06	4.755	15.0	0.317	0.0182	17.40
		Lead, Total	3.21	0.025	1317.06	4.228	15.0	0.282	0.0182	15.47
		Mercury, Total	0.00782	0.0002	1317.06	0.010	15.0	0.001	0.0182	0.04
		Nickel, Total	0.841	0.05	1317.06	1.108	15.0	0.074	0.0182	4.05

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	0.011	0.01	1317.06	0.014	15.0	0.001	0.0182	0.05
		Vanadium, Total	1.05	0.025	1317.06	1.383	15.0	0.092	0.0182	5.06
		Zinc, Total	25.4	0.5	1317.06	33.453	15.0	2.228	0.0182	122.43
03/06/12										
	L55159-10									
		Mercury, Total	0.00233	0.0002	552.17	0.001	12.9	0.000	0.0182	0.01
	L55159-9									
		Arsenic, Total	0.147	0.01	566.96	0.083	12.9	0.006	0.0182	0.35
		Cadmium, Total	0.021	0.01	566.96	0.012	12.9	0.001	0.0182	0.05
		Chromium, Total	0.408	0.05	566.96	0.231	12.9	0.018	0.0182	0.98
		Copper, Total	3.16	0.1	566.96	1.792	12.9	0.138	0.0182	7.60
		Lead, Total	2.12	0.025	566.96	1.202	12.9	0.093	0.0182	5.10
		Nickel, Total	0.643	0.05	566.96	0.365	12.9	0.028	0.0182	1.55
		Silver, Total	--	0.01	566.96	0.003	12.9	0.000	0.0182	0.01
		Vanadium, Total	0.377	0.025	566.96	0.214	12.9	0.017	0.0182	0.91
		Zinc, Total	21.7	0.5	566.96	12.303	12.9	0.950	0.0182	52.21
03/15/12										
	L55244-8									
		Arsenic, Total	0.0983	0.01	1439.23	0.141	9.0	0.016	0.0182	0.86
		Cadmium, Total	0.032	0.01	1439.23	0.046	9.0	0.005	0.0182	0.28
		Chromium, Total	0.3	0.05	1439.23	0.432	9.0	0.048	0.0182	2.63
		Copper, Total	2.33	0.1	1439.23	3.353	9.0	0.372	0.0182	20.45
		Lead, Total	1.49	0.025	1439.23	2.144	9.0	0.238	0.0182	13.08
		Mercury, Total	0.00178	0.0002	1439.23	0.003	9.0	0.000	0.0182	0.02
		Nickel, Total	0.41	0.05	1439.23	0.590	9.0	0.065	0.0182	3.60
		Silver, Total	--	0.01	1439.23	0.021	9.0	0.002	0.0182	0.13
		Vanadium, Total	0.257	0.025	1439.23	0.370	9.0	0.041	0.0182	2.26
		Zinc, Total	18.8	0.5	1439.23	27.058	9.0	3.003	0.0182	165.00
	L55244-9									
		Arsenic, Total	0.0902	0.01	1428.24	0.129	9.0	0.014	0.0182	0.79
		Cadmium, Total	0.021	0.01	1428.24	0.030	9.0	0.003	0.0182	0.18
		Chromium, Total	0.274	0.05	1428.24	0.391	9.0	0.043	0.0182	2.39

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Copper, Total	2.01	0.1	1428.24	2.871	9.0	0.319	0.0182	17.51
		Lead, Total	1.47	0.025	1428.24	2.100	9.0	0.233	0.0182	12.80
		Mercury, Total	0.00201	0.0002	1428.24	0.003	9.0	0.000	0.0182	0.02
		Nickel, Total	0.305	0.05	1428.24	0.436	9.0	0.048	0.0182	2.66
		Silver, Total	--	0.01	1428.24	0.020	9.0	0.002	0.0182	0.12
		Vanadium, Total	0.255	0.025	1428.24	0.364	9.0	0.040	0.0182	2.22
		Zinc, Total	18.4	0.5	1428.24	26.280	9.0	2.917	0.0182	160.25
03/29/12										
	L55316-10									
		Arsenic, Total	0.151	0.01	1217.98	0.184	14.0	0.013	0.0182	0.72
		Cadmium, Total	0.033	0.01	1217.98	0.040	14.0	0.003	0.0182	0.16
		Chromium, Total	0.438	0.05	1217.98	0.533	14.0	0.038	0.0182	2.10
		Copper, Total	2.78	0.1	1217.98	3.386	14.0	0.242	0.0182	13.31
		Lead, Total	2.05	0.025	1217.98	2.497	14.0	0.179	0.0182	9.82
		Mercury, Total	0.0126	0.0002	1217.98	0.015	14.0	0.001	0.0182	0.06
		Nickel, Total	0.539	0.05	1217.98	0.656	14.0	0.047	0.0182	2.58
		Silver, Total	--	0.01	1217.98	0.015	14.0	0.001	0.0182	0.06
		Vanadium, Total	0.76	0.025	1217.98	0.926	14.0	0.066	0.0182	3.64
		Zinc, Total	20.7	0.5	1217.98	25.212	14.0	1.804	0.0182	99.12
04/19/12										
	L55365-8									
		Arsenic, Total	0.14	0.01	1045.48	0.146	21.1	0.007	0.0182	0.38
		Cadmium, Total	0.043	0.01	1045.48	0.045	21.1	0.002	0.0182	0.12
		Chromium, Total	0.309	0.05	1045.48	0.323	21.1	0.015	0.0182	0.84
		Copper, Total	2.9	0.1	1045.48	3.032	21.1	0.143	0.0182	7.88
		Lead, Total	1.53	0.025	1045.48	1.600	21.1	0.076	0.0182	4.16
		Mercury, Total	0.0103	0.0002	1045.48	0.011	21.1	0.001	0.0182	0.03
		Nickel, Total	0.378	0.05	1045.48	0.395	21.1	0.019	0.0182	1.03
		Silver, Total	--	0.01	1045.48	0.011	21.1	0.001	0.0182	0.03
		Vanadium, Total	0.421	0.025	1045.48	0.440	21.1	0.021	0.0182	1.14
		Zinc, Total	20	0.5	1045.48	20.910	21.1	0.989	0.0182	54.37
05/02/12										

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L55530-12									
		Arsenic, Total	0.27	0.01	766.41	0.207	13.0	0.016	0.0182	0.87
		Cadmium, Total	0.0935	0.01	766.41	0.072	13.0	0.005	0.0182	0.30
		Chromium, Total	1.04	0.05	766.41	0.797	13.0	0.061	0.0182	3.36
		Copper, Total	5.66	0.1	766.41	4.338	13.0	0.333	0.0182	18.27
		Lead, Total	3.68	0.025	766.41	2.820	13.0	0.216	0.0182	11.88
		Mercury, Total	0.00419	0.0002	766.41	0.003	13.0	0.000	0.0182	0.01
		Nickel, Total	0.87	0.05	766.41	0.667	13.0	0.051	0.0182	2.81
		Silver, Total	--	0.01	766.41	0.006	13.0	0.000	0.0182	0.02
		Vanadium, Total	0.856	0.025	766.41	0.656	13.0	0.050	0.0182	2.76
		Zinc, Total	40.1	0.5	766.41	30.733	13.0	2.356	0.0182	129.45
05/31/12										
	L55594-8									
		Arsenic, Total	0.379	0.01	1086.32	0.412	28.8	0.014	0.0182	0.78
		Cadmium, Total	0.163	0.01	1086.32	0.177	28.8	0.006	0.0182	0.34
		Chromium, Total	1.61	0.05	1086.32	1.749	28.8	0.061	0.0182	3.33
		Copper, Total	11.9	0.1	1086.32	12.927	28.8	0.449	0.0182	24.65
		Lead, Total	9.37	0.025	1086.32	10.179	28.8	0.353	0.0182	19.41
		Mercury, Total	0.00883	0.0002	1086.32	0.010	28.8	0.000	0.0182	0.02
		Nickel, Total	1.96	0.05	1086.32	2.129	28.8	0.074	0.0182	4.06
		Silver, Total	0.012	0.01	1086.32	0.013	28.8	0.000	0.0182	0.02
		Vanadium, Total	1.61	0.025	1086.32	1.749	28.8	0.061	0.0182	3.33
		Zinc, Total	67.6	0.5	1086.32	73.435	28.8	2.548	0.0182	140.01
06/27/12										
	L55793-8									
		Arsenic, Total	0.171	0.01	1344.57	0.230	27.0	0.009	0.0182	0.47
		Cadmium, Total	0.0672	0.01	1344.57	0.090	27.0	0.003	0.0182	0.18
		Chromium, Total	0.751	0.05	1344.57	1.010	27.0	0.037	0.0182	2.05
		Copper, Total	4.27	0.1	1344.57	5.741	27.0	0.213	0.0182	11.68
		Lead, Total	6.28	0.025	1344.57	8.444	27.0	0.313	0.0182	17.18
		Mercury, Total	0.00577	0.0002	1344.57	0.008	27.0	0.000	0.0182	0.02
		Nickel, Total	0.836	0.05	1344.57	1.124	27.0	0.042	0.0182	2.29

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	--	0.01	1344.57	0.018	27.0	0.001	0.0182	0.04
		Vanadium, Total	0.683	0.025	1344.57	0.918	27.0	0.034	0.0182	1.87
		Zinc, Total	30.8	0.5	1344.57	41.413	27.0	1.533	0.0182	84.25
07/19/12										
	L55963-10									
		Mercury, Total	0.0218	0.0002	349.7	0.008	22.0	0.000	0.0182	0.02
	L55963-9									
		Arsenic, Total	0.828	0.01	362.29	0.300	22.0	0.014	0.0182	0.75
		Cadmium, Total	0.27	0.01	362.29	0.098	22.0	0.004	0.0182	0.24
		Chromium, Total	3.09	0.05	362.29	1.119	22.0	0.051	0.0182	2.80
		Copper, Total	17.4	0.1	362.29	6.304	22.0	0.287	0.0182	15.74
		Lead, Total	28.7	0.025	362.29	10.398	22.0	0.473	0.0182	25.97
		Nickel, Total	4.09	0.05	362.29	1.482	22.0	0.067	0.0182	3.70
		Silver, Total	0.043	0.01	362.29	0.016	22.0	0.001	0.0182	0.04
		Vanadium, Total	2.79	0.025	362.29	1.011	22.0	0.046	0.0182	2.52
		Zinc, Total	140	0.5	362.29	50.721	22.0	2.305	0.0182	126.67
07/26/12										
	L56076-7									
		Arsenic, Total	0.35	0.01	381.88	0.134	7.0	0.019	0.0182	1.05
		Cadmium, Total	0.139	0.01	381.88	0.053	7.0	0.008	0.0182	0.42
		Chromium, Total	1.65	0.05	381.88	0.630	7.0	0.090	0.0182	4.95
		Copper, Total	12.8	0.1	381.88	4.888	7.0	0.699	0.0182	38.39
		Lead, Total	14.1	0.025	381.88	5.385	7.0	0.770	0.0182	42.28
		Nickel, Total	1.91	0.05	381.88	0.729	7.0	0.104	0.0182	5.73
		Silver, Total	0.028	0.01	381.88	0.011	7.0	0.002	0.0182	0.08
		Vanadium, Total	1.56	0.025	381.88	0.596	7.0	0.085	0.0182	4.68
		Zinc, Total	75.4	0.5	381.88	28.794	7.0	4.115	0.0182	226.12
	L56076-8									
		Mercury, Total	0.0151	0.0002	385.6	0.006	7.0	0.001	0.0182	0.05
08/16/12										
	L56171-7									
		Arsenic, Total	2.41	0.01	100	0.241	21.0	0.011	0.0182	0.63

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Cadmium, Total	1.42	0.01	100	0.142	21.0	0.007	0.0182	0.37
		Chromium, Total	14	0.05	100	1.400	21.0	0.067	0.0182	3.66
		Copper, Total	78.1	0.1	100	7.810	21.0	0.371	0.0182	20.39
		Lead, Total	97.1	0.025	100	9.710	21.0	0.461	0.0182	25.36
		Nickel, Total	15	0.05	100	1.500	21.0	0.071	0.0182	3.92
		Silver, Total	0.14	0.01	100	0.014	21.0	0.001	0.0182	0.04
		Vanadium, Total	9.34	0.025	100	0.934	21.0	0.044	0.0182	2.44
		Zinc, Total	540	0.5	100	54.000	21.0	2.566	0.0182	141.01
	L56171-8									
		Mercury, Total	0.075	0.002	100	0.008	21.0	0.000	0.0182	0.02
09/06/12										
	L56292-7									
		Arsenic, Total	2.59	0.01	100	0.259	21.2	0.012	0.0182	0.67
		Cadmium, Total	1.48	0.01	100	0.148	21.2	0.007	0.0182	0.38
		Chromium, Total	14.3	0.05	100	1.430	21.2	0.067	0.0182	3.71
		Copper, Total	83.1	0.1	100	8.310	21.2	0.392	0.0182	21.55
		Lead, Total	103	0.025	100	10.300	21.2	0.486	0.0182	26.71
		Nickel, Total	14.4	0.05	100	1.440	21.2	0.068	0.0182	3.73
		Silver, Total	0.258	0.01	100	0.026	21.2	0.001	0.0182	0.07
		Vanadium, Total	9.76	0.025	100	0.976	21.2	0.046	0.0182	2.53
		Zinc, Total	626	0.5	100	62.600	21.2	2.955	0.0182	162.34
	L56292-8									
		Mercury, Total	0.0736	0.002	100	0.007	21.2	0.000	0.0182	0.02
10/10/12										
	L56386-7									
		Arsenic, Total	2.97	0.01	100	0.297	27.1	0.011	0.0182	0.60
		Cadmium, Total	1.74	0.01	100	0.174	27.1	0.006	0.0182	0.35
		Chromium, Total	15.2	0.05	100	1.520	27.1	0.056	0.0182	3.08
		Copper, Total	117	5	100	11.700	27.1	0.432	0.0182	23.72
		Lead, Total	14.8	0.025	100	1.480	27.1	0.055	0.0182	3.00
		Nickel, Total	16.3	0.05	100	1.630	27.1	0.060	0.0182	3.30
		Silver, Total	0.261	0.01	100	0.026	27.1	0.001	0.0182	0.05

Table C-3. Metals Flux Calculations for South Park

Collect Date	Sample ID	Metal	Value (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Vanadium, Total	10.1	0.025	100	1.010	27.1	0.037	0.0182	2.05
		Zinc, Total	757	25	100	75.700	27.1	2.793	0.0182	153.46
	L56386-8									
		Mercury, Total	0.0854	0.002	100	0.009	27.1	0.000	0.0182	0.02

-- Not Detected

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
08/25/11										
	L53760-17									
		Arsenic, Total	1.16	0.01	275	0.319	28.9	0.011	0.0182	0.61
		Cadmium, Total	0.307	0.01	275	0.084	28.9	0.003	0.0182	0.16
		Chromium, Total	8.77	0.05	275	2.412	28.9	0.083	0.0182	4.59
		Copper, Total	30.7	0.1	275	8.443	28.9	0.292	0.0182	16.05
		Lead, Total	17.5	0.025	275	4.813	28.9	0.167	0.0182	9.15
		Nickel, Total	4.92	0.05	275	1.353	28.9	0.047	0.0182	2.57
		Silver, Total	0.0537	0.01	275	0.015	28.9	0.001	0.0182	0.03
		Vanadium, Total	5.68	0.025	275	1.562	28.9	0.054	0.0182	2.97
		Zinc, Total	240	0.5	275	66.000	28.9	2.284	0.0182	125.50
	L53760-18									
		Mercury, Total	0.00976	0.0002	294	0.003	28.9	0.000	0.0182	0.01
09/21/11										
	L53845-11									
		Arsenic, Total	0.619	0.01	463	0.287	27.0	0.011	0.0182	0.58
		Cadmium, Total	0.75	0.01	463	0.347	27.0	0.013	0.0182	0.71
		Chromium, Total	4	0.05	463	1.852	27.0	0.069	0.0182	3.77
		Copper, Total	22.5	0.1	463	10.418	27.0	0.386	0.0182	21.21
		Lead, Total	9.08	0.025	463	4.204	27.0	0.156	0.0182	8.56
		Nickel, Total	2.55	0.05	463	1.181	27.0	0.044	0.0182	2.40
		Silver, Total	0.039	0.01	463	0.018	27.0	0.001	0.0182	0.04
		Vanadium, Total	3.12	0.025	463	1.445	27.0	0.054	0.0182	2.94
		Zinc, Total	116	0.5	463	53.708	27.0	1.990	0.0182	109.34
	L53845-12									
		Mercury, Total	0.00716	0.0002	458	0.003	27.0	0.000	0.0182	0.01
09/29/11										
	L54175-17									
		Arsenic, Total	0.21	0.01	399	0.084	8.0	0.010	0.0182	0.57
		Cadmium, Total	0.0697	0.01	399	0.028	8.0	0.003	0.0182	0.19
		Chromium, Total	1.39	0.05	399	0.555	8.0	0.069	0.0182	3.80
		Copper, Total	6.01	0.1	399	2.398	8.0	0.299	0.0182	16.43

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	3.51	0.025	399	1.400	8.0	0.175	0.0182	9.59
		Nickel, Total	0.983	0.05	399	0.392	8.0	0.049	0.0182	2.69
		Silver, Total	0.016	0.01	399	0.006	8.0	0.001	0.0182	0.04
		Vanadium, Total	1.06	0.025	399	0.423	8.0	0.053	0.0182	2.90
		Zinc, Total	56.1	0.5	399	22.384	8.0	2.791	0.0182	153.34
	L54175-18									
		Mercury, Total	0.00365	0.0002	400	0.001	8.0	0.000	0.0182	0.01
10/19/11										
	L54294-15									
		Arsenic, Total	0.149	0.01	1075	0.160	19.9	0.008	0.0182	0.44
		Cadmium, Total	0.0589	0.01	1075	0.063	19.9	0.003	0.0182	0.18
		Chromium, Total	0.981	0.05	1075	1.055	19.9	0.053	0.0182	2.91
		Copper, Total	3.5	0.1	1075	3.763	19.9	0.189	0.0182	10.40
		Lead, Total	1.23	0.025	1075	1.322	19.9	0.067	0.0182	3.65
		Nickel, Total	0.464	0.05	1075	0.499	19.9	0.025	0.0182	1.38
		Silver, Total	--	0.01	1075	0.012	19.9	0.001	0.0182	0.03
		Vanadium, Total	0.536	0.025	1075	0.576	19.9	0.029	0.0182	1.59
		Zinc, Total	17.8	0.5	1075	19.135	19.9	0.962	0.0182	52.88
	L54294-16									
		Mercury, Total	0.00162	0.0002	1075	0.002	19.9	0.000	0.0182	0.00
11/02/11										
	L54414-11									
		Arsenic, Total	0.134	0.01	836	0.112	14.0	0.008	0.0182	0.44
		Cadmium, Total	0.036	0.01	836	0.030	14.0	0.002	0.0182	0.12
		Chromium, Total	0.904	0.05	836	0.756	14.0	0.054	0.0182	2.96
		Copper, Total	3.54	0.1	836	2.959	14.0	0.211	0.0182	11.59
		Lead, Total	1.28	0.025	836	1.070	14.0	0.076	0.0182	4.19
		Nickel, Total	0.461	0.05	836	0.385	14.0	0.027	0.0182	1.51
		Silver, Total	--	0.01	836	0.007	14.0	0.000	0.0182	0.03
		Vanadium, Total	0.511	0.025	836	0.427	14.0	0.030	0.0182	1.67
		Zinc, Total	21	0.5	836	17.556	14.0	1.252	0.0182	68.76
	L54414-12									

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Mercury, Total	0.00214	0.0002	836	0.002	14.0	0.000	0.0182	0.01
11/16/11										
	L54542-15									
		Arsenic, Total	0.149	0.01	459.6	0.068	14.0	0.005	0.0182	0.27
		Cadmium, Total	0.034	0.01	459.6	0.016	14.0	0.001	0.0182	0.06
		Chromium, Total	0.902	0.05	459.6	0.415	14.0	0.030	0.0182	1.63
		Copper, Total	5.1	0.1	459.6	2.344	14.0	0.168	0.0182	9.20
		Lead, Total	1.79	0.025	459.6	0.823	14.0	0.059	0.0182	3.23
		Nickel, Total	0.59	0.05	459.6	0.271	14.0	0.019	0.0182	1.06
		Silver, Total	--	0.01	459.6	0.002	14.0	0.000	0.0182	0.01
		Vanadium, Total	0.705	0.025	459.6	0.324	14.0	0.023	0.0182	1.27
		Zinc, Total	32.1	0.5	459.6	14.753	14.0	1.054	0.0182	57.93
	L54542-16									
		Mercury, Total	0.00263	0.0002	484.7	0.001	14.0	0.000	0.0182	0.01
11/23/11										
	L54658-11									
		Arsenic, Total	0.043	0.01	1575.04	0.068	7.0	0.010	0.0182	0.53
		Cadmium, Total	0.021	0.01	1575.04	0.033	7.0	0.005	0.0182	0.26
		Chromium, Total	0.256	0.05	1575.04	0.403	7.0	0.057	0.0182	3.16
		Copper, Total	1.29	0.1	1575.04	2.032	7.0	0.290	0.0182	15.91
		Lead, Total	0.489	0.025	1575.04	0.770	7.0	0.110	0.0182	6.03
		Mercury, Total	0.000953	0.0002	1575.04	0.002	7.0	0.000	0.0182	0.01
		Nickel, Total	0.15	0.05	1575.04	0.236	7.0	0.034	0.0182	1.85
		Silver, Total	--	0.01	1575.04	0.025	7.0	0.004	0.0182	0.19
		Vanadium, Total	0.136	0.025	1575.04	0.214	7.0	0.031	0.0182	1.68
		Zinc, Total	7.2	0.5	1575.04	11.340	7.0	1.616	0.0182	88.79
11/29/11										
	L54697-11									
		Arsenic, Total	0.039	0.01	385.15	0.015	6.0	0.002	0.0182	0.14
		Cadmium, Total	0.013	0.01	385.15	0.005	6.0	0.001	0.0182	0.05
		Chromium, Total	0.306	0.05	385.15	0.118	6.0	0.019	0.0182	1.07
		Copper, Total	1.69	0.1	385.15	0.651	6.0	0.108	0.0182	5.92

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	0.501	0.025	385.15	0.193	6.0	0.032	0.0182	1.75
		Nickel, Total	0.424	0.05	385.15	0.163	6.0	0.027	0.0182	1.48
		Silver, Total	--	0.01	385.15	0.001	6.0	0.000	0.0182	0.01
		Vanadium, Total	0.192	0.025	385.15	0.074	6.0	0.012	0.0182	0.67
		Zinc, Total	8.95	0.5	385.15	3.447	6.0	0.570	0.0182	31.33
	L54697-12									
		Mercury, Total	0.00239	0.0002	406.74	0.001	6.0	0.000	0.0182	0.01
12/28/11										
	L54719-13									
		Arsenic, Total	0.245	0.01	739.26	0.181	28.9	0.006	0.0182	0.34
		Cadmium, Total	0.342	0.01	739.26	0.253	28.9	0.009	0.0182	0.48
		Chromium, Total	1.67	0.05	739.26	1.235	28.9	0.043	0.0182	2.35
		Copper, Total	8.26	0.1	739.26	6.106	28.9	0.211	0.0182	11.60
		Lead, Total	2.96	0.025	739.26	2.188	28.9	0.076	0.0182	4.16
		Mercury, Total	0.00282	0.0002	739.26	0.002	28.9	0.000	0.0182	0.00
		Nickel, Total	0.97	0.05	739.26	0.717	28.9	0.025	0.0182	1.36
		Silver, Total	--	0.01	739.26	0.005	28.9	0.000	0.0182	0.01
		Vanadium, Total	1.3	0.025	739.26	0.961	28.9	0.033	0.0182	1.83
		Zinc, Total	49.2	0.5	739.26	36.372	28.9	1.257	0.0182	69.09
01/11/12										
	L54845-13									
		Arsenic, Total	0.055	0.01	1230.3	0.068	14.0	0.005	0.0182	0.27
		Cadmium, Total	0.016	0.01	1230.3	0.020	14.0	0.001	0.0182	0.08
		Chromium, Total	0.329	0.05	1230.3	0.405	14.0	0.029	0.0182	1.59
		Copper, Total	2.35	0.1	1230.3	2.891	14.0	0.207	0.0182	11.36
		Lead, Total	0.678	0.025	1230.3	0.834	14.0	0.060	0.0182	3.28
		Mercury, Total	0.00139	0.0002	1230.3	0.002	14.0	0.000	0.0182	0.01
		Nickel, Total	0.19	0.05	1230.3	0.234	14.0	0.017	0.0182	0.92
		Silver, Total	--	0.01	1230.3	0.015	14.0	0.001	0.0182	0.06
		Vanadium, Total	0.27	0.025	1230.3	0.332	14.0	0.024	0.0182	1.31
		Zinc, Total	10.9	0.5	1230.3	13.410	14.0	0.959	0.0182	52.71
01/24/12										

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L54922-11									
		Arsenic, Total	0.102	0.01	976.96	0.100	13.0	0.008	0.0182	0.42
		Cadmium, Total	0.0696	0.01	976.96	0.068	13.0	0.005	0.0182	0.29
		Chromium, Total	0.633	0.05	976.96	0.618	13.0	0.047	0.0182	2.61
		Copper, Total	2.63	0.1	976.96	2.569	13.0	0.197	0.0182	10.84
		Lead, Total	1.37	0.025	976.96	1.338	13.0	0.103	0.0182	5.65
		Mercury, Total	0.00111	0.0002	976.96	0.001	13.0	0.000	0.0182	0.00
		Nickel, Total	0.433	0.05	976.96	0.423	13.0	0.032	0.0182	1.78
		Silver, Total	--	0.01	976.96	0.010	13.0	0.001	0.0182	0.04
		Vanadium, Total	0.444	0.025	976.96	0.434	13.0	0.033	0.0182	1.83
		Zinc, Total	14.2	0.5	976.96	13.873	13.0	1.065	0.0182	58.53
02/07/12										
	L54980-12									
		Arsenic, Total	0.0766	0.01	1535.1	0.118	14.0	0.008	0.0182	0.46
		Cadmium, Total	0.018	0.01	1535.1	0.028	14.0	0.002	0.0182	0.11
		Chromium, Total	0.468	0.05	1535.1	0.718	14.0	0.051	0.0182	2.82
		Copper, Total	2.76	0.1	1535.1	4.237	14.0	0.303	0.0182	16.66
		Lead, Total	1.25	0.025	1535.1	1.919	14.0	0.137	0.0182	7.54
		Mercury, Total	0.00259	0.0002	1535.1	0.004	14.0	0.000	0.0182	0.02
		Nickel, Total	0.318	0.05	1535.1	0.488	14.0	0.035	0.0182	1.92
		Silver, Total	--	0.01	1535.1	0.024	14.0	0.002	0.0182	0.09
		Vanadium, Total	0.449	0.025	1535.1	0.689	14.0	0.049	0.0182	2.71
		Zinc, Total	12.1	0.5	1535.1	18.575	14.0	1.329	0.0182	73.03
02/22/12										
	L55079-11									
		Arsenic, Total	0.0968	0.01	1517.75	0.147	15.1	0.010	0.0182	0.54
		Cadmium, Total	0.022	0.01	1517.75	0.033	15.1	0.002	0.0182	0.12
		Chromium, Total	0.458	0.05	1517.75	0.695	15.1	0.046	0.0182	2.54
		Copper, Total	2.49	0.1	1517.75	3.779	15.1	0.251	0.0182	13.79
		Lead, Total	1.18	0.025	1517.75	1.791	15.1	0.119	0.0182	6.53
		Mercury, Total	0.0042	0.0002	1517.75	0.006	15.1	0.000	0.0182	0.02
		Nickel, Total	0.319	0.05	1517.75	0.484	15.1	0.032	0.0182	1.77

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	--	0.01	1517.75	0.023	15.1	0.002	0.0182	0.08
		Vanadium, Total	0.436	0.025	1517.75	0.662	15.1	0.044	0.0182	2.41
		Zinc, Total	11.9	0.5	1517.75	18.061	15.1	1.199	0.0182	65.90
03/06/12										
	L55159-13									
		Arsenic, Total	0.16	0.01	643.77	0.103	13.0	0.008	0.0182	0.44
		Cadmium, Total	0.023	0.01	643.77	0.015	13.0	0.001	0.0182	0.06
		Chromium, Total	0.784	0.05	643.77	0.505	13.0	0.039	0.0182	2.14
		Copper, Total	4.12	0.1	643.77	2.652	13.0	0.205	0.0182	11.24
		Lead, Total	2.03	0.025	643.77	1.307	13.0	0.101	0.0182	5.54
		Mercury, Total	0.00263	0.0002	643.77	0.002	13.0	0.000	0.0182	0.01
		Nickel, Total	0.534	0.05	643.77	0.344	13.0	0.027	0.0182	1.46
		Silver, Total	--	0.01	643.77	0.004	13.0	0.000	0.0182	0.02
		Vanadium, Total	0.667	0.025	643.77	0.429	13.0	0.033	0.0182	1.82
		Zinc, Total	23.6	0.5	643.77	15.193	13.0	1.172	0.0182	64.40
03/15/12										
	L55244-14									
		Arsenic, Total	0.0751	0.01	1370.11	0.103	9.1	0.011	0.0182	0.62
		Cadmium, Total	0.013	0.01	1370.11	0.018	9.1	0.002	0.0182	0.11
		Chromium, Total	0.348	0.05	1370.11	0.477	9.1	0.052	0.0182	2.88
		Copper, Total	1.88	0.1	1370.11	2.576	9.1	0.283	0.0182	15.54
		Lead, Total	0.846	0.025	1370.11	1.159	9.1	0.127	0.0182	6.99
		Mercury, Total	0.00118	0.0002	1370.11	0.002	9.1	0.000	0.0182	0.01
		Nickel, Total	0.23	0.05	1370.11	0.315	9.1	0.035	0.0182	1.90
		Silver, Total	--	0.01	1370.11	0.019	9.1	0.002	0.0182	0.11
		Vanadium, Total	0.29	0.025	1370.11	0.397	9.1	0.044	0.0182	2.40
		Zinc, Total	9.43	0.5	1370.11	12.920	9.1	1.419	0.0182	77.95
03/29/12										
	L55316-13									
		Arsenic, Total	0.111	0.01	1222.16	0.136	13.9	0.010	0.0182	0.54
		Cadmium, Total	0.019	0.01	1222.16	0.023	13.9	0.002	0.0182	0.09
		Chromium, Total	0.401	0.05	1222.16	0.490	13.9	0.035	0.0182	1.94

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Copper, Total	2.75	0.1	1222.16	3.361	13.9	0.242	0.0182	13.32
		Lead, Total	1.12	0.025	1222.16	1.369	13.9	0.099	0.0182	5.42
		Mercury, Total	0.00324	0.0002	1222.16	0.004	13.9	0.000	0.0182	0.02
		Nickel, Total	0.3	0.05	1222.16	0.367	13.9	0.026	0.0182	1.45
		Silver, Total	--	0.01	1222.16	0.015	13.9	0.001	0.0182	0.06
		Vanadium, Total	0.452	0.025	1222.16	0.552	13.9	0.040	0.0182	2.19
		Zinc, Total	12.8	0.5	1222.16	15.644	13.9	1.128	0.0182	61.98
04/19/12										
	L55365-11									
		Arsenic, Total	0.102	0.01	1331.15	0.136	21.1	0.006	0.0182	0.35
		Cadmium, Total	0.023	0.01	1331.15	0.031	21.1	0.001	0.0182	0.08
		Chromium, Total	0.564	0.05	1331.15	0.751	21.1	0.036	0.0182	1.96
		Copper, Total	2.59	0.1	1331.15	3.448	21.1	0.164	0.0182	8.99
		Lead, Total	1.18	0.025	1331.15	1.571	21.1	0.075	0.0182	4.09
		Mercury, Total	0.00303	0.0002	1331.15	0.004	21.1	0.000	0.0182	0.01
		Nickel, Total	0.365	0.05	1331.15	0.486	21.1	0.023	0.0182	1.27
		Silver, Total	--	0.01	1331.15	0.018	21.1	0.001	0.0182	0.05
		Vanadium, Total	0.502	0.025	1331.15	0.668	21.1	0.032	0.0182	1.74
		Zinc, Total	17.7	0.5	1331.15	23.561	21.1	1.118	0.0182	61.42
05/02/12										
	L55530-15									
		Arsenic, Total	0.109	0.01	1085.73	0.118	12.9	0.009	0.0182	0.50
		Cadmium, Total	0.022	0.01	1085.73	0.024	12.9	0.002	0.0182	0.10
		Chromium, Total	0.417	0.05	1085.73	0.453	12.9	0.035	0.0182	1.92
		Copper, Total	2.21	0.1	1085.73	2.399	12.9	0.185	0.0182	10.18
		Lead, Total	1.11	0.025	1085.73	1.205	12.9	0.093	0.0182	5.11
		Mercury, Total	0.00272	0.0002	1085.73	0.003	12.9	0.000	0.0182	0.01
		Nickel, Total	0.24	0.05	1085.73	0.261	12.9	0.020	0.0182	1.11
		Silver, Total	--	0.01	1085.73	0.012	12.9	0.001	0.0182	0.05
		Vanadium, Total	0.349	0.025	1085.73	0.379	12.9	0.029	0.0182	1.61
		Zinc, Total	14.8	0.5	1085.73	16.069	12.9	1.241	0.0182	68.19
05/31/12										

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L55594-11									
		Arsenic, Total	0.162	0.01	1120.35	0.181	29.0	0.006	0.0182	0.34
		Cadmium, Total	0.041	0.01	1120.35	0.046	29.0	0.002	0.0182	0.09
		Chromium, Total	1.15	0.05	1120.35	1.288	29.0	0.044	0.0182	2.44
		Copper, Total	5.82	0.1	1120.35	6.520	29.0	0.225	0.0182	12.37
		Lead, Total	2.59	0.025	1120.35	2.902	29.0	0.100	0.0182	5.50
		Mercury, Total	0.00289	0.0002	1120.35	0.003	29.0	0.000	0.0182	0.01
		Nickel, Total	0.649	0.05	1120.35	0.727	29.0	0.025	0.0182	1.38
		Silver, Total	0.012	0.01	1120.35	0.013	29.0	0.000	0.0182	0.03
		Vanadium, Total	0.851	0.025	1120.35	0.953	29.0	0.033	0.0182	1.81
		Zinc, Total	35	0.5	1120.35	39.212	29.0	1.354	0.0182	74.37
06/27/12										
	L55793-11									
		Arsenic, Total	0.0909	0.01	1625.33	0.148	27.0	0.005	0.0182	0.30
		Cadmium, Total	0.031	0.01	1625.33	0.050	27.0	0.002	0.0182	0.10
		Chromium, Total	0.812	0.05	1625.33	1.320	27.0	0.049	0.0182	2.69
		Copper, Total	3.44	0.1	1625.33	5.591	27.0	0.207	0.0182	11.38
		Lead, Total	1.25	0.025	1625.33	2.032	27.0	0.075	0.0182	4.13
		Mercury, Total	0.00354	0.0002	1625.33	0.006	27.0	0.000	0.0182	0.01
		Nickel, Total	0.4	0.05	1625.33	0.650	27.0	0.024	0.0182	1.32
		Silver, Total	--	0.01	1625.33	0.026	27.0	0.001	0.0182	0.05
		Vanadium, Total	0.564	0.025	1625.33	0.917	27.0	0.034	0.0182	1.87
		Zinc, Total	19.5	0.5	1625.33	31.694	27.0	1.174	0.0182	64.48
07/19/12										
	L55963-13									
		Arsenic, Total	0.499	0.01	361.32	0.180	22.0	0.008	0.0182	0.45
		Cadmium, Total	0.086	0.01	361.32	0.031	22.0	0.001	0.0182	0.08
		Chromium, Total	3.46	0.05	361.32	1.250	22.0	0.057	0.0182	3.12
		Copper, Total	17.9	0.1	361.32	6.468	22.0	0.294	0.0182	16.15
		Lead, Total	7.98	0.025	361.32	2.883	22.0	0.131	0.0182	7.20
		Nickel, Total	2.2	0.05	361.32	0.795	22.0	0.036	0.0182	1.98
		Silver, Total	0.027	0.01	361.32	0.010	22.0	0.000	0.0182	0.02

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Vanadium, Total	2.69	0.025	361.32	0.972	22.0	0.044	0.0182	2.43
		Zinc, Total	103	0.5	361.32	37.216	22.0	1.691	0.0182	92.92
	L55963-14									
		Mercury, Total	0.00852	0.0002	358.55	0.003	22.0	0.000	0.0182	0.01
07/26/12										
	L56076-11									
		Arsenic, Total	0.158	0.01	512.47	0.081	7.0	0.012	0.0182	0.64
		Cadmium, Total	0.028	0.01	512.47	0.014	7.0	0.002	0.0182	0.11
		Chromium, Total	0.908	0.05	512.47	0.465	7.0	0.067	0.0182	3.66
		Copper, Total	6.59	0.1	512.47	3.377	7.0	0.483	0.0182	26.54
		Lead, Total	2.74	0.025	512.47	1.404	7.0	0.201	0.0182	11.03
		Nickel, Total	0.659	0.05	512.47	0.338	7.0	0.048	0.0182	2.65
		Silver, Total	--	0.01	512.47	0.003	7.0	0.000	0.0182	0.02
		Vanadium, Total	0.832	0.025	512.47	0.426	7.0	0.061	0.0182	3.35
		Zinc, Total	30.7	0.5	512.47	15.733	7.0	2.250	0.0182	123.62
	L56076-12									
		Mercury, Total	0.0104	0.0002	502.5	0.005	7.0	0.001	0.0182	0.04
08/16/12										
	L56171-11									
		Arsenic, Total	1.41	0.01	100	0.141	21.1	0.007	0.0182	0.37
		Cadmium, Total	0.665	0.01	100	0.067	21.1	0.003	0.0182	0.17
		Chromium, Total	9.57	0.05	100	0.957	21.1	0.045	0.0182	2.49
		Copper, Total	44.8	0.1	100	4.480	21.1	0.213	0.0182	11.68
		Lead, Total	31.9	0.025	100	3.190	21.1	0.151	0.0182	8.32
		Nickel, Total	6.51	0.05	100	0.651	21.1	0.031	0.0182	1.70
		Silver, Total	0.286	0.01	100	0.029	21.1	0.001	0.0182	0.07
		Vanadium, Total	7.92	0.025	100	0.792	21.1	0.038	0.0182	2.06
		Zinc, Total	347	0.5	100	34.700	21.1	1.646	0.0182	90.46
	L56171-12									
		Mercury, Total	0.0159	0.0004	100	0.002	21.1	0.000	0.0182	0.00
09/06/12										
	L56292-11									

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Arsenic, Total	1.93	0.01	100	0.193	21.2	0.009	0.0182	0.50
		Cadmium, Total	0.478	0.01	100	0.048	21.2	0.002	0.0182	0.12
		Chromium, Total	10.2	0.05	100	1.020	21.2	0.048	0.0182	2.65
		Copper, Total	53.2	0.1	100	5.320	21.2	0.251	0.0182	13.82
		Lead, Total	26.7	0.025	100	2.670	21.2	0.126	0.0182	6.93
		Nickel, Total	6.95	0.05	100	0.695	21.2	0.033	0.0182	1.81
		Silver, Total	0.692	0.01	100	0.069	21.2	0.003	0.0182	0.18
		Vanadium, Total	8.15	0.025	100	0.815	21.2	0.039	0.0182	2.12
		Zinc, Total	336	0.5	100	33.600	21.2	1.588	0.0182	87.26
	L56292-13									
		Mercury, Total	0.0202	0.002	100	0.002	21.2	0.000	0.0182	0.01
	L56292-12									
		Arsenic, Total	2.15	0.01	100	0.215	21.2	0.010	0.0182	0.56
		Cadmium, Total	0.366	0.01	100	0.037	21.2	0.002	0.0182	0.10
		Chromium, Total	10.7	0.05	100	1.070	21.2	0.051	0.0182	2.78
		Copper, Total	54.1	0.1	100	5.410	21.2	0.256	0.0182	14.05
		Lead, Total	26.6	0.025	100	2.660	21.2	0.126	0.0182	6.91
		Nickel, Total	6.82	0.05	100	0.682	21.2	0.032	0.0182	1.77
		Silver, Total	0.123	0.01	100	0.012	21.2	0.001	0.0182	0.03
		Vanadium, Total	8.37	0.025	100	0.837	21.2	0.040	0.0182	2.17
		Zinc, Total	361	0.5	100	36.100	21.2	1.706	0.0182	93.76
	L56292-14									
		Mercury, Total	0.00353	0.0004	100	0.000	21.2	0.000	0.0182	0.00
10/24/12										
	L56620-3									
		Arsenic, Total	0.073	0.01	1372.45	0.100	14.1	0.007	0.0182	0.39
		Cadmium, Total	0.017	0.01	1372.45	0.023	14.1	0.002	0.0182	0.09
		Chromium, Total	0.277	0.05	1372.45	0.380	14.1	0.027	0.0182	1.49
		Copper, Total	2.01	0.1	1372.45	2.759	14.1	0.196	0.0182	10.79
		Lead, Total	0.981	0.025	1372.45	1.346	14.1	0.096	0.0182	5.26
		Mercury, Total	0.0017	0.0002	1372.45	0.002	14.1	0.000	0.0182	0.01
		Nickel, Total	0.321	0.05	1372.45	0.441	14.1	0.031	0.0182	1.72

Table C-4. Metals Flux Calculations for Kent Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	--	0.01	1372.45	0.019	14.1	0.001	0.0182	0.07
		Vanadium, Total	0.216	0.025	1372.45	0.296	14.1	0.021	0.0182	1.16
		Zinc, Total	10.1	0.5	1372.45	13.862	14.1	0.986	0.0182	54.20

-- Not Detected

Table C-5. Metals Flux Calculations for Kent SC Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
05/31/12										
	L55594-14									
		Arsenic, Total	0.226	0.01	1063.2	0.240	28.9	0.008	0.0182	0.46
		Cadmium, Total	0.049	0.01	1063.2	0.052	28.9	0.002	0.0182	0.10
		Chromium, Total	1.59	0.05	1063.2	1.690	28.9	0.058	0.0182	3.21
		Copper, Total	7.05	0.1	1063.2	7.496	28.9	0.259	0.0182	14.24
		Lead, Total	4.04	0.025	1063.2	4.295	28.9	0.148	0.0182	8.16
		Mercury, Total	0.00316	0.0002	1063.2	0.003	28.9	0.000	0.0182	0.01
		Nickel, Total	0.922	0.05	1063.2	0.980	28.9	0.034	0.0182	1.86
		Silver, Total	--	0.01	1063.2	0.011	28.9	0.000	0.0182	0.02
		Vanadium, Total	1.31	0.025	1063.2	1.393	28.9	0.048	0.0182	2.65
		Zinc, Total	42.1	0.5	1063.2	44.761	28.9	1.547	0.0182	85.02
06/27/12										
	L55793-15									
		Arsenic, Total	0.36	0.01	1532.78	0.552	27.0	0.020	0.0182	1.12
		Cadmium, Total	0.016	0.01	1532.78	0.025	27.0	0.001	0.0182	0.05
		Chromium, Total	0.478	0.05	1532.78	0.733	27.0	0.027	0.0182	1.49
		Copper, Total	3.15	0.1	1532.78	4.828	27.0	0.179	0.0182	9.81
		Lead, Total	1.38	0.025	1532.78	2.115	27.0	0.078	0.0182	4.30
		Mercury, Total	0.00423	0.0002	1532.78	0.006	27.0	0.000	0.0182	0.01
		Nickel, Total	0.372	0.05	1532.78	0.570	27.0	0.021	0.0182	1.16
		Silver, Total	--	0.01	1532.78	0.023	27.0	0.001	0.0182	0.05
		Vanadium, Total	0.545	0.025	1532.78	0.835	27.0	0.031	0.0182	1.70
		Zinc, Total	16.3	0.5	1532.78	24.984	27.0	0.924	0.0182	50.78
07/19/12										
	L55963-19									
		Arsenic, Total	0.588	0.01	338.06	0.199	22.0	0.009	0.0182	0.50
		Cadmium, Total	0.156	0.01	338.06	0.053	22.0	0.002	0.0182	0.13
		Chromium, Total	3.47	0.05	338.06	1.173	22.0	0.053	0.0182	2.93
		Copper, Total	25.4	0.1	338.06	8.587	22.0	0.391	0.0182	21.46
		Lead, Total	9.32	0.025	338.06	3.151	22.0	0.143	0.0182	7.87
		Nickel, Total	2.84	0.05	338.06	0.960	22.0	0.044	0.0182	2.40

Table C-5. Metals Flux Calculations for Kent SC Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Silver, Total	0.0551	0.01	338.06	0.019	22.0	0.001	0.0182	0.05
		Vanadium, Total	3.03	0.025	338.06	1.024	22.0	0.047	0.0182	2.56
		Zinc, Total	124	0.5	338.06	41.919	22.0	1.907	0.0182	104.76
	L55963-20									
		Mercury, Total	0.00748	0.0002	369.62	0.003	22.0	0.000	0.0182	0.01
07/26/12										
	L56076-15									
		Arsenic, Total	0.173	0.01	481.62	0.083	7.0	0.012	0.0182	0.66
		Cadmium, Total	0.026	0.01	481.62	0.013	7.0	0.002	0.0182	0.10
		Chromium, Total	1.02	0.05	481.62	0.491	7.0	0.070	0.0182	3.86
		Copper, Total	7.67	0.1	481.62	3.694	7.0	0.529	0.0182	29.04
		Lead, Total	2.67	0.025	481.62	1.286	7.0	0.184	0.0182	10.11
		Nickel, Total	0.971	0.05	481.62	0.468	7.0	0.067	0.0182	3.68
		Silver, Total	0.01	0.01	481.62	0.005	7.0	0.001	0.0182	0.04
		Vanadium, Total	0.846	0.025	481.62	0.407	7.0	0.058	0.0182	3.20
		Zinc, Total	30.4	0.5	481.62	14.641	7.0	2.095	0.0182	115.09
	L56076-16									
		Mercury, Total	0.0112	0.0002	485.58	0.005	7.0	0.001	0.0182	0.04
08/16/12										
	L56171-15									
		Arsenic, Total	1.25	0.01	100	0.125	21.0	0.006	0.0182	0.33
		Cadmium, Total	0.436	0.01	100	0.044	21.0	0.002	0.0182	0.11
		Chromium, Total	9.67	0.05	100	0.967	21.0	0.046	0.0182	2.53
		Copper, Total	46.5	0.1	100	4.650	21.0	0.221	0.0182	12.15
		Lead, Total	36.3	0.025	100	3.630	21.0	0.173	0.0182	9.48
		Nickel, Total	6.05	0.05	100	0.605	21.0	0.029	0.0182	1.58
		Silver, Total	0.0833	0.01	100	0.008	21.0	0.000	0.0182	0.02
		Vanadium, Total	7.36	0.025	100	0.736	21.0	0.035	0.0182	1.92
		Zinc, Total	356	0.5	100	35.600	21.0	1.692	0.0182	92.99
	L56171-16									
		Mercury, Total	0.0164	0.002	100	0.002	21.0	0.000	0.0182	0.00
09/06/12										

Table C-5. Metals Flux Calculations for Kent SC Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L56292-17									
		Arsenic, Total	1.36	0.01	110	0.150	21.2	0.007	0.0182	0.39
		Cadmium, Total	0.426	0.01	110	0.047	21.2	0.002	0.0182	0.12
		Chromium, Total	8.7	0.05	110	0.957	21.2	0.045	0.0182	2.48
		Copper, Total	54.7	2	110	6.017	21.2	0.284	0.0182	15.60
		Lead, Total	24.2	0.025	110	2.662	21.2	0.126	0.0182	6.90
		Nickel, Total	6.25	0.05	110	0.688	21.2	0.032	0.0182	1.78
		Silver, Total	0.0672	0.01	110	0.007	21.2	0.000	0.0182	0.02
		Vanadium, Total	7.37	0.025	110	0.811	21.2	0.038	0.0182	2.10
		Zinc, Total	307	10	110	33.770	21.2	1.593	0.0182	87.53
	L56292-18									
		Mercury, Total	0.0659	0.002	100	0.007	21.2	0.000	0.0182	0.02
10/24/12										
	L56620-7									
		Arsenic, Total	0.0612	0.01	1369.41	0.084	14.1	0.006	0.0182	0.33
		Cadmium, Total	0.01	0.01	1369.41	0.014	14.1	0.001	0.0182	0.05
		Chromium, Total	0.18	0.05	1369.41	0.246	14.1	0.018	0.0182	0.96
		Copper, Total	1.55	0.1	1369.41	2.123	14.1	0.151	0.0182	8.30
		Lead, Total	0.606	0.025	1369.41	0.830	14.1	0.059	0.0182	3.24
		Mercury, Total	0.00227	0.0002	1369.41	0.003	14.1	0.000	0.0182	0.01
		Nickel, Total	0.14	0.05	1369.41	0.192	14.1	0.014	0.0182	0.75
		Silver, Total	--	0.01	1369.41	0.019	14.1	0.001	0.0182	0.07
		Vanadium, Total	0.159	0.025	1369.41	0.218	14.1	0.015	0.0182	0.85
		Zinc, Total	6.05	0.5	1369.41	8.285	14.1	0.590	0.0182	32.39

-- Not Detected

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
08/25/11										
	L53760-20									
		Arsenic, Total	2.1	0.01	292	0.613	29.2	0.021	0.0182	1.15
		Cadmium, Total	0.14	0.01	292	0.041	29.2	0.001	0.0182	0.08
		Chromium, Total	1.57	0.05	292	0.458	29.2	0.016	0.0182	0.86
		Copper, Total	8.81	0.1	292	2.573	29.2	0.088	0.0182	4.84
		Lead, Total	4.26	0.025	292	1.244	29.2	0.043	0.0182	2.34
		Nickel, Total	2.51	0.05	292	0.733	29.2	0.025	0.0182	1.38
		Silver, Total	0.014	0.01	292	0.004	29.2	0.000	0.0182	0.01
		Vanadium, Total	2.96	0.025	292	0.864	29.2	0.030	0.0182	1.63
		Zinc, Total	20.9	0.5	292	6.103	29.2	0.209	0.0182	11.49
	L53760-21									
		Mercury, Total	0.00928	0.0002	291	0.003	29.2	0.000	0.0182	0.01
09/21/11										
	L53845-14									
		Arsenic, Total	0.636	0.01	719	0.457	26.9	0.017	0.0182	0.93
		Cadmium, Total	0.0634	0.01	719	0.046	26.9	0.002	0.0182	0.09
		Chromium, Total	0.44	0.05	719	0.316	26.9	0.012	0.0182	0.65
		Copper, Total	2.76	0.1	719	1.984	26.9	0.074	0.0182	4.05
		Lead, Total	1.26	0.025	719	0.906	26.9	0.034	0.0182	1.85
		Nickel, Total	0.681	0.05	719	0.490	26.9	0.018	0.0182	1.00
		Silver, Total	--	0.01	719	0.005	26.9	0.000	0.0182	0.01
		Vanadium, Total	0.966	0.025	719	0.695	26.9	0.026	0.0182	1.42
		Zinc, Total	6.25	0.5	719	4.494	26.9	0.167	0.0182	9.16
	L53845-15									
		Mercury, Total	0.00271	0.0002	700	0.002	26.9	0.000	0.0182	0.00
09/29/11										
	L54175-20									
		Arsenic, Total	0.142	0.01	342	0.049	7.9	0.006	0.0182	0.34
		Cadmium, Total	0.025	0.01	342	0.009	7.9	0.001	0.0182	0.06
		Chromium, Total	0.739	0.05	342	0.253	7.9	0.032	0.0182	1.76
		Copper, Total	0.846	0.1	342	0.289	7.9	0.037	0.0182	2.01

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Lead, Total	3.61	0.025	342	1.235	7.9	0.156	0.0182	8.58
		Nickel, Total	0.19	0.05	342	0.065	7.9	0.008	0.0182	0.45
		Silver, Total	--	0.01	342	0.001	7.9	0.000	0.0182	0.01
		Vanadium, Total	0.332	0.025	342	0.114	7.9	0.014	0.0182	0.79
		Zinc, Total	8.22	0.5	342	2.811	7.9	0.356	0.0182	19.54
	L54175-21									
		Mercury, Total	0.00332	0.0002	331	0.001	7.9	0.000	0.0182	0.01
10/19/11										
	L54294-18									
		Arsenic, Total	0.0835	0.01	1327	0.111	20.0	0.006	0.0182	0.30
		Cadmium, Total	0.023	0.01	1327	0.031	20.0	0.002	0.0182	0.08
		Chromium, Total	--	0.05	1327	0.088	20.0	0.004	0.0182	0.24
		Copper, Total	0.38	0.1	1327	0.504	20.0	0.025	0.0182	1.39
		Lead, Total	0.572	0.025	1327	0.759	20.0	0.038	0.0182	2.09
		Nickel, Total	0.078	0.05	1327	0.104	20.0	0.005	0.0182	0.28
		Silver, Total	--	0.01	1327	0.018	20.0	0.001	0.0182	0.05
		Vanadium, Total	0.147	0.025	1327	0.195	20.0	0.010	0.0182	0.54
		Zinc, Total	1.5	0.5	1327	1.991	20.0	0.100	0.0182	5.47
	L54294-19									
		Mercury, Total	0.00125	0.0002	1327	0.002	20.0	0.000	0.0182	0.00
11/02/11										
	L54414-14									
		Arsenic, Total	0.0622	0.01	1125	0.070	14.0	0.005	0.0182	0.27
		Cadmium, Total	--	0.01	1125	0.013	14.0	0.001	0.0182	0.05
		Chromium, Total	0.12	0.05	1125	0.135	14.0	0.010	0.0182	0.53
		Copper, Total	0.33	0.1	1125	0.371	14.0	0.026	0.0182	1.45
		Lead, Total	1.26	0.025	1125	1.418	14.0	0.101	0.0182	5.55
		Nickel, Total	0.059	0.05	1125	0.066	14.0	0.005	0.0182	0.26
		Silver, Total	--	0.01	1125	0.013	14.0	0.001	0.0182	0.05
		Vanadium, Total	0.071	0.025	1125	0.080	14.0	0.006	0.0182	0.31
		Zinc, Total	2.85	0.5	1125	3.206	14.0	0.229	0.0182	12.56
	L54414-15									

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Mercury, Total	0.0013	0.0002	1125	0.001	14.0	0.000	0.0182	0.01
11/16/11										
	L54542-18									
		Arsenic, Total	0.0771	0.01	815.4	0.063	14.0	0.004	0.0182	0.25
		Cadmium, Total	0.017	0.01	815.4	0.014	14.0	0.001	0.0182	0.05
		Chromium, Total	0.288	0.05	815.4	0.235	14.0	0.017	0.0182	0.92
		Copper, Total	0.548	0.1	815.4	0.447	14.0	0.032	0.0182	1.75
		Lead, Total	6.42	0.025	815.4	5.235	14.0	0.374	0.0182	20.55
		Mercury, Total	0.0019	0.0002	815.4	0.002	14.0	0.000	0.0182	0.01
		Nickel, Total	0.12	0.05	815.4	0.098	14.0	0.007	0.0182	0.38
		Silver, Total	--	0.01	815.4	0.007	14.0	0.000	0.0182	0.03
		Vanadium, Total	0.195	0.025	815.4	0.159	14.0	0.011	0.0182	0.62
		Zinc, Total	5.85	0.5	815.4	4.770	14.0	0.341	0.0182	18.72
11/22/11										
	L54658-14									
		Arsenic, Total	0.04	0.01	1238.03	0.050	6.0	0.008	0.0182	0.45
		Cadmium, Total	--	0.01	1238.03	0.015	6.0	0.003	0.0182	0.14
		Chromium, Total	0.483	0.05	1238.03	0.598	6.0	0.100	0.0182	5.48
		Copper, Total	0.27	0.1	1238.03	0.334	6.0	0.056	0.0182	3.06
		Lead, Total	8.73	0.025	1238.03	10.808	6.0	1.802	0.0182	99.03
		Mercury, Total	0.000883	0.0002	1238.03	0.001	6.0	0.000	0.0182	0.01
		Nickel, Total	0.063	0.05	1238.03	0.078	6.0	0.013	0.0182	0.71
		Silver, Total	--	0.01	1238.03	0.015	6.0	0.003	0.0182	0.14
		Vanadium, Total	0.049	0.025	1238.03	0.061	6.0	0.010	0.0182	0.56
		Zinc, Total	4.78	0.5	1238.03	5.918	6.0	0.987	0.0182	54.22
11/29/11										
	L54697-14									
		Arsenic, Total	0.026	0.01	1335.99	0.035	7.1	0.005	0.0182	0.27
		Cadmium, Total	--	0.01	1335.99	0.018	7.1	0.003	0.0182	0.14
		Chromium, Total	0.064	0.05	1335.99	0.086	7.1	0.012	0.0182	0.66
		Copper, Total	0.25	0.1	1335.99	0.334	7.1	0.047	0.0182	2.60
		Lead, Total	0.852	0.025	1335.99	1.138	7.1	0.161	0.0182	8.85

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Mercury, Total	0.00103	0.0002	1335.99	0.001	7.1	0.000	0.0182	0.01
		Nickel, Total	0.077	0.05	1335.99	0.103	7.1	0.015	0.0182	0.80
		Silver, Total	--	0.01	1335.99	0.018	7.1	0.003	0.0182	0.14
		Vanadium, Total	0.035	0.025	1335.99	0.047	7.1	0.007	0.0182	0.36
		Zinc, Total	2.3	0.5	1335.99	3.073	7.1	0.435	0.0182	23.89
12/28/11										
	L54719-17									
		Arsenic, Total	0.074	0.01	888.86	0.066	28.9	0.002	0.0182	0.12
		Cadmium, Total	0.017	0.01	888.86	0.015	28.9	0.001	0.0182	0.03
		Chromium, Total	0.084	0.05	888.86	0.075	28.9	0.003	0.0182	0.14
		Copper, Total	0.4	0.1	888.86	0.356	28.9	0.012	0.0182	0.68
		Lead, Total	1.81	0.025	888.86	1.609	28.9	0.056	0.0182	3.06
		Mercury, Total	0.00208	0.0002	888.86	0.002	28.9	0.000	0.0182	0.00
		Nickel, Total	0.13	0.05	888.86	0.116	28.9	0.004	0.0182	0.22
		Silver, Total	--	0.01	888.86	0.008	28.9	0.000	0.0182	0.02
		Vanadium, Total	0.135	0.025	888.86	0.120	28.9	0.004	0.0182	0.23
		Zinc, Total	4.46	0.5	888.86	3.964	28.9	0.137	0.0182	7.53
01/11/12										
	L54845-16									
		Arsenic, Total	0.03	0.01	1445.61	0.043	14.0	0.003	0.0182	0.17
		Cadmium, Total	--	0.01	1445.61	0.021	14.0	0.001	0.0182	0.08
		Chromium, Total	0.441	0.05	1445.61	0.638	14.0	0.046	0.0182	2.51
		Copper, Total	0.11	0.1	1445.61	0.159	14.0	0.011	0.0182	0.63
		Lead, Total	1.34	0.025	1445.61	1.937	14.0	0.139	0.0182	7.62
		Mercury, Total	0.000882	0.0002	1445.61	0.001	14.0	0.000	0.0182	0.01
		Nickel, Total	--	0.05	1445.61	0.104	14.0	0.007	0.0182	0.41
		Silver, Total	--	0.01	1445.61	0.021	14.0	0.001	0.0182	0.08
		Vanadium, Total	0.066	0.025	1445.61	0.095	14.0	0.007	0.0182	0.38
		Zinc, Total	2.61	0.5	1445.61	3.773	14.0	0.270	0.0182	14.84
01/24/12										
	L54922-14									
		Arsenic, Total	0.036	0.01	1047.68	0.038	13.0	0.003	0.0182	0.16

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Cadmium, Total	--	0.01	1047.68	0.011	13.0	0.001	0.0182	0.05
		Chromium, Total	0.23	0.05	1047.68	0.241	13.0	0.018	0.0182	1.02
		Copper, Total	0.16	0.1	1047.68	0.168	13.0	0.013	0.0182	0.71
		Lead, Total	3.05	0.025	1047.68	3.195	13.0	0.245	0.0182	13.47
		Mercury, Total	0.000988	0.0002	1047.68	0.001	13.0	0.000	0.0182	0.00
		Nickel, Total	0.057	0.05	1047.68	0.060	13.0	0.005	0.0182	0.25
		Silver, Total	--	0.01	1047.68	0.011	13.0	0.001	0.0182	0.05
		Vanadium, Total	0.069	0.025	1047.68	0.072	13.0	0.006	0.0182	0.30
		Zinc, Total	4.72	0.5	1047.68	4.945	13.0	0.379	0.0182	20.85
02/07/12										
	L54980-16									
		Arsenic, Total	0.0837	0.01	1492.78	0.125	14.0	0.009	0.0182	0.49
		Cadmium, Total	--	0.01	1492.78	0.022	14.0	0.002	0.0182	0.09
		Chromium, Total	0.62	0.05	1492.78	0.926	14.0	0.066	0.0182	3.64
		Copper, Total	0.27	0.1	1492.78	0.403	14.0	0.029	0.0182	1.58
		Lead, Total	46.8	0.025	1492.78	69.862	14.0	4.999	0.0182	274.66
		Mercury, Total	0.00428	0.0002	1492.78	0.006	14.0	0.000	0.0182	0.03
		Nickel, Total	0.066	0.05	1492.78	0.099	14.0	0.007	0.0182	0.39
		Silver, Total	--	0.01	1492.78	0.022	14.0	0.002	0.0182	0.09
		Vanadium, Total	0.091	0.025	1492.78	0.136	14.0	0.010	0.0182	0.53
		Zinc, Total	16.9	0.5	1492.78	25.228	14.0	1.805	0.0182	99.18
02/21/12										
	L55079-14									
		Arsenic, Total	0.0631	0.01	1664.71	0.105	14.2	0.007	0.0182	0.41
		Cadmium, Total	--	0.01	1664.71	0.028	14.2	0.002	0.0182	0.11
		Chromium, Total	0.083	0.05	1664.71	0.138	14.2	0.010	0.0182	0.53
		Copper, Total	0.18	0.1	1664.71	0.300	14.2	0.021	0.0182	1.16
		Lead, Total	1.93	0.025	1664.71	3.213	14.2	0.226	0.0182	12.40
		Mercury, Total	0.000908	0.0002	1664.71	0.002	14.2	0.000	0.0182	0.01
		Nickel, Total	0.086	0.05	1664.71	0.143	14.2	0.010	0.0182	0.55
		Silver, Total	--	0.01	1664.71	0.028	14.2	0.002	0.0182	0.11
		Vanadium, Total	0.069	0.025	1664.71	0.115	14.2	0.008	0.0182	0.44

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Zinc, Total	3.71	0.5	1664.71	6.176	14.2	0.434	0.0182	23.83
03/15/12										
	L55244-17									
		Arsenic, Total	0.0799	0.01	1377.9	0.110	9.1	0.012	0.0182	0.66
		Cadmium, Total	--	0.01	1377.9	0.019	9.1	0.002	0.0182	0.11
		Chromium, Total	0.17	0.05	1377.9	0.234	9.1	0.026	0.0182	1.41
		Copper, Total	0.22	0.1	1377.9	0.303	9.1	0.033	0.0182	1.83
		Lead, Total	5.11	0.025	1377.9	7.041	9.1	0.773	0.0182	42.49
		Mercury, Total	0.000779	0.0002	1377.9	0.001	9.1	0.000	0.0182	0.01
		Nickel, Total	0.17	0.05	1377.9	0.234	9.1	0.026	0.0182	1.41
		Silver, Total	--	0.01	1377.9	0.019	9.1	0.002	0.0182	0.11
		Vanadium, Total	0.07	0.025	1377.9	0.096	9.1	0.011	0.0182	0.58
		Zinc, Total	4.55	0.5	1377.9	6.269	9.1	0.689	0.0182	37.84
04/19/12										
	L55365-14									
		Arsenic, Total	0.0967	0.01	1620.88	0.157	21.0	0.007	0.0182	0.41
		Cadmium, Total	0.01	0.01	1620.88	0.016	21.0	0.001	0.0182	0.04
		Chromium, Total	0.24	0.05	1620.88	0.389	21.0	0.019	0.0182	1.02
		Copper, Total	0.41	0.1	1620.88	0.665	21.0	0.032	0.0182	1.74
		Lead, Total	3.5	0.025	1620.88	5.673	21.0	0.270	0.0182	14.86
		Mercury, Total	0.00269	0.0002	1620.88	0.004	21.0	0.000	0.0182	0.01
		Nickel, Total	0.099	0.05	1620.88	0.160	21.0	0.008	0.0182	0.42
		Silver, Total	--	0.01	1620.88	0.026	21.0	0.001	0.0182	0.07
		Vanadium, Total	0.144	0.025	1620.88	0.233	21.0	0.011	0.0182	0.61
		Zinc, Total	3.12	0.5	1620.88	5.057	21.0	0.241	0.0182	13.24
05/02/12										
	L55530-19									
		Arsenic, Total	0.0774	0.01	2173.73	0.168	13.1	0.013	0.0182	0.71
		Cadmium, Total	--	0.01	2173.73	0.047	13.1	0.004	0.0182	0.20
		Chromium, Total	--	0.05	2173.73	0.236	13.1	0.018	0.0182	0.99
		Copper, Total	0.19	0.1	2173.73	0.413	13.1	0.032	0.0182	1.74
		Lead, Total	0.273	0.025	2173.73	0.593	13.1	0.045	0.0182	2.50

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Mercury, Total	0.00152	0.0002	2173.73	0.003	13.1	0.000	0.0182	0.01
		Nickel, Total	--	0.05	2173.73	0.236	13.1	0.018	0.0182	0.99
		Silver, Total	--	0.01	2173.73	0.047	13.1	0.004	0.0182	0.20
		Vanadium, Total	0.064	0.025	2173.73	0.139	13.1	0.011	0.0182	0.59
		Zinc, Total	1.1	0.5	2173.73	2.391	13.1	0.183	0.0182	10.07
06/25/12										
	L55793-18									
		Arsenic, Total	0.0778	0.01	2153.59	0.168	25.0	0.007	0.0182	0.37
		Cadmium, Total	--	0.01	2153.59	0.046	25.0	0.002	0.0182	0.10
		Chromium, Total	--	0.05	2153.59	0.232	25.0	0.009	0.0182	0.51
		Copper, Total	0.34	0.1	2153.59	0.732	25.0	0.029	0.0182	1.61
		Lead, Total	0.319	0.025	2153.59	0.687	25.0	0.027	0.0182	1.51
		Mercury, Total	0.00411	0.0002	2153.59	0.009	25.0	0.000	0.0182	0.02
		Nickel, Total	0.084	0.05	2153.59	0.181	25.0	0.007	0.0182	0.40
		Silver, Total	--	0.01	2153.59	0.046	25.0	0.002	0.0182	0.10
		Vanadium, Total	0.223	0.025	2153.59	0.480	25.0	0.019	0.0182	1.05
		Zinc, Total	1.6	0.5	2153.59	3.446	25.0	0.138	0.0182	7.56
07/19/12										
	L55963-23									
		Arsenic, Total	0.428	0.01	886.08	0.379	24.0	0.016	0.0182	0.87
		Cadmium, Total	0.028	0.01	886.08	0.025	24.0	0.001	0.0182	0.06
		Chromium, Total	0.269	0.05	886.08	0.238	24.0	0.010	0.0182	0.55
		Copper, Total	1.77	0.1	886.08	1.568	24.0	0.065	0.0182	3.59
		Lead, Total	1.29	0.025	886.08	1.143	24.0	0.048	0.0182	2.62
		Nickel, Total	0.374	0.05	886.08	0.331	24.0	0.014	0.0182	0.76
		Silver, Total	--	0.01	886.08	0.008	24.0	0.000	0.0182	0.02
		Vanadium, Total	0.67	0.025	886.08	0.594	24.0	0.025	0.0182	1.36
		Zinc, Total	5.02	0.5	886.08	4.448	24.0	0.185	0.0182	10.19
07/26/12										
	L56076-19									
		Arsenic, Total	0.438	0.01	355.84	0.156	7.0	0.022	0.0182	1.23
		Cadmium, Total	--	0.01	355.84	0.001	7.0	0.000	0.0182	0.01

Table C-6. Metals Flux Calculations for Enumclaw Station

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		Chromium, Total	0.649	0.05	355.84	0.231	7.0	0.033	0.0182	1.82
		Copper, Total	2.29	0.1	355.84	0.815	7.0	0.117	0.0182	6.41
		Lead, Total	2.17	0.025	355.84	0.772	7.0	0.111	0.0182	6.08
		Mercury, Total	0.0057	0.0002	355.84	0.002	7.0	0.000	0.0182	0.02
		Nickel, Total	0.646	0.05	355.84	0.230	7.0	0.033	0.0182	1.81
		Silver, Total	--	0.01	355.84	0.001	7.0	0.000	0.0182	0.01
		Vanadium, Total	1.18	0.025	355.84	0.420	7.0	0.060	0.0182	3.30
		Zinc, Total	7.25	0.5	355.84	2.580	7.0	0.369	0.0182	20.30
08/16/12										
	L56171-19									
		Arsenic, Total	3.06	0.01	209.5	0.641	21.1	0.030	0.0182	1.67
		Cadmium, Total	0.048	0.01	209.5	0.010	21.1	0.000	0.0182	0.03
		Chromium, Total	2.27	0.05	209.5	0.476	21.1	0.023	0.0182	1.24
		Copper, Total	11.5	0.1	209.5	2.409	21.1	0.114	0.0182	6.28
		Lead, Total	5.59	0.025	209.5	1.171	21.1	0.056	0.0182	3.06
		Nickel, Total	2.71	0.05	209.5	0.568	21.1	0.027	0.0182	1.48
		Silver, Total	0.025	0.01	209.5	0.005	21.1	0.000	0.0182	0.01
		Vanadium, Total	4.84	0.025	209.5	1.014	21.1	0.048	0.0182	2.65
		Zinc, Total	26.6	0.5	209.5	5.573	21.1	0.265	0.0182	14.54
	L56171-20									
		Mercury, Total	0.00727	0.0004	226.83	0.002	21.1	0.000	0.0182	0.00

-- Not Detected

Table C-7. Metals Flux Calculations for Spike Blank

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
02/07/12										
	L54980-19									
		Arsenic, Total	19.7	0.01	200	3.940	13.9	0.284	NA	NA
		Cadmium, Total	20.7	0.01	200	4.140	13.9	0.298	NA	NA
		Chromium, Total	19.7	0.05	200	3.940	13.9	0.284	NA	NA
		Copper, Total	21	0.1	200	4.200	13.9	0.302	NA	NA
		Lead, Total	21	0.025	200	4.200	13.9	0.302	NA	NA
		Mercury, Total	0.00932	0.0002	200	0.002	13.9	0.000	NA	NA
		Nickel, Total	20.8	0.05	200	4.160	13.9	0.300	NA	NA
		Silver, Total	21.4	0.01	200	4.280	13.9	0.308	NA	NA
		Vanadium, Total	20	0.025	200	4.000	13.9	0.288	NA	NA
		Zinc, Total	21.9	0.5	200	4.380	13.9	0.315	NA	NA

NA Not Available

Table C-8. Metals Flux Calculations for Equipment Blanks

Collect Date	Sample ID	Metal	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
02/07/12										
	L54980-19									
		Arsenic, Total	19.7	0.01	200	3.940	13.9	0.284	NA	NA
		Cadmium, Total	20.7	0.01	200	4.140	13.9	0.298	NA	NA
		Chromium, Total	19.7	0.05	200	3.940	13.9	0.284	NA	NA
		Copper, Total	21	0.1	200	4.200	13.9	0.302	NA	NA
		Lead, Total	21	0.025	200	4.200	13.9	0.302	NA	NA
		Mercury, Total	0.00932	0.0002	200	0.002	13.9	0.000	NA	NA
		Nickel, Total	20.8	0.05	200	4.160	13.9	0.300	NA	NA
		Silver, Total	21.4	0.01	200	4.280	13.9	0.308	NA	NA
		Vanadium, Total	20	0.025	200	4.000	13.9	0.288	NA	NA
		Zinc, Total	21.9	0.5	200	4.380	13.9	0.315	NA	NA
02/07/12										
	L54980-20									
		Arsenic, Total	0.068	0.01	100	0.007	NA	NA	0.0182	NA
		Cadmium, Total	0.014	0.01	100	0.001	NA	NA	0.0182	NA
		Chromium, Total	0.458	0.05	100	0.046	NA	NA	0.0182	NA
		Copper, Total	1.73	0.1	100	0.173	NA	NA	0.0182	NA
		Lead, Total	0.993	0.025	100	0.099	NA	NA	0.0182	NA
		Mercury, Total	0.00115	0.0002	100	0.000	NA	NA	0.0182	NA
		Nickel, Total	0.411	0.05	100	0.041	NA	NA	0.0182	NA
		Silver, Total	--	0.01	100	0.000	NA	NA	0.0182	NA
		Vanadium, Total	0.558	0.025	100	0.056	NA	NA	0.0182	NA
		Zinc, Total	8.76	0.5	100	0.876	NA	NA	0.0182	NA
03/15/12										
	L55244-19									
		Arsenic, Total	0.032	0.01	100	0.003	NA	NA	0.0182	NA
		Cadmium, Total	--	0.01	100	0.000	NA	NA	0.0182	NA
		Chromium, Total	0.055	0.05	100	0.006	NA	NA	0.0182	NA
		Copper, Total	0.964	0.1	100	0.096	NA	NA	0.0182	NA
		Lead, Total	0.145	0.025	100	0.015	NA	NA	0.0182	NA
		Nickel, Total	0.062	0.05	100	0.006	NA	NA	0.0182	NA

Table C-8. Metals Flux Calculations for Equipment Blanks

		Silver, Total	--	0.01	100	0.000	NA	NA	0.0182	NA
		Vanadium, Total	0.056	0.025	100	0.006	NA	NA	0.0182	NA
		Zinc, Total	1.6	0.5	100	0.160	NA	NA	0.0182	NA
03/15/12										
	L55244-20									
		Mercury, Total		0.0002	100	0.000	NA	NA	0.0182	NA

-- Not Detected
NA Not Available

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
8/25/11											
	L53760-2										
		HPAH									
			Benzo(a)anthracene	0.0555	0.00071	750	0.0416	29.18	0.0014	0.1642	0.009
			Benzo(a)pyrene	0.122	0.00036	750	0.0915	29.18	0.0031	0.1642	0.019
			Benzo(b,j,k)fluoranthene	0.293	0.00071	750	0.2198	29.18	0.0075	0.1642	0.046
			Benzo(g,h,i)perylene	0.179	0.00036	750	0.1343	29.18	0.0046	0.1642	0.028
			Chrysene	0.175	0.00036	750	0.1313	29.18	0.0045	0.1642	0.027
			Dibenzo(a,h)anthracene	0.0269	0.00071	750	0.0202	29.18	0.0007	0.1642	0.004
			Fluoranthene	0.273	0.00093	750	0.2048	29.18	0.0070	0.1642	0.043
			Indeno(1,2,3-Cd)Pyrene	0.098	0.00036	750	0.0735	29.18	0.0025	0.1642	0.015
			Pyrene	0.197	0.00071	750	0.1478	29.18	0.0051	0.1642	0.031
		LPAH									
			Acenaphthene	0.007	0.0014	750	0.0053	29.18	0.0002	0.1642	0.001
			Acenaphthylene	0.0117	0.0014	750	0.0088	29.18	0.0003	0.1642	0.002
			Anthracene	0.0165	0.00071	750	0.0124	29.18	0.0004	0.1642	0.003
			Fluorene	0.0119	0.0016	750	0.0089	29.18	0.0003	0.1642	0.002
			Naphthalene	0.0571	0.0014	750	0.0428	29.18	0.0015	0.1642	0.009
			Phenanthrene	0.137	0.0014	750	0.1028	29.18	0.0035	0.1642	0.021
9/21/11											
	L53845-1										
		HPAH									
			Benzo(a)anthracene	0.0387	0.00026	1900	0.0735	26.75	0.0027	0.1642	0.017
			Benzo(a)pyrene	0.0556	0.00013	1900	0.1056	26.75	0.0039	0.1642	0.024
			Benzo(b,j,k)fluoranthene	0.138	0.00026	1900	0.2622	26.75	0.0098	0.1642	0.060
			Benzo(g,h,i)perylene	0.0734	0.00013	1900	0.1395	26.75	0.0052	0.1642	0.032
			Chrysene	0.088	0.00013	1900	0.1672	26.75	0.0063	0.1642	0.038
			Dibenzo(a,h)anthracene	0.0113	0.00026	1900	0.0215	26.75	0.0008	0.1642	0.005
			Fluoranthene	0.135	0.00034	1900	0.2565	26.75	0.0096	0.1642	0.058
			Indeno(1,2,3-Cd)Pyrene	0.0407	0.00013	1900	0.0773	26.75	0.0029	0.1642	0.018
			Pyrene	0.118	0.00026	1900	0.2242	26.75	0.0084	0.1642	0.051
		LPAH									

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.00485	0.00053	1900	0.0092	26.75	0.0003	0.1642	0.002
			Acenaphthylene	0.00586	0.00053	1900	0.0111	26.75	0.0004	0.1642	0.003
			Anthracene	0.0112	0.00026	1900	0.0213	26.75	0.0008	0.1642	0.005
			Fluorene	0.00745	0.00058	1900	0.0142	26.75	0.0005	0.1642	0.003
			Naphthalene	0.0211	0.00053	1900	0.0401	26.75	0.0015	0.1642	0.009
9/29/11			Phenanthrene	0.0696	0.00053	1900	0.1322	26.75	0.0049	0.1642	0.030
	L54175-4										
		HPAH									
			Benzo(a)anthracene	--	0.00016	3200	0.0016	8.12	0.0002	0.1642	0.001
			Benzo(a)pyrene	0.00991	0.000078	3200	0.0317	8.12	0.0039	0.1642	0.024
			Benzo(b,j,k)fluoranthene	0.0228	0.00016	3200	0.0730	8.12	0.0090	0.1642	0.055
			Benzo(g,h,i)perylene	0.0075	0.000078	3200	0.0240	8.12	0.0030	0.1642	0.018
			Chrysene	0.0109	0.000078	3200	0.0349	8.12	0.0043	0.1642	0.026
			Dibenzo(a,h)anthracene	0.00122	0.00016	3200	0.0039	8.12	0.0005	0.1642	0.003
			Fluoranthene	0.0283	0.0002	3200	0.0906	8.12	0.0112	0.1642	0.068
			Indeno(1,2,3-Cd)Pyrene	0.00409	0.000078	3200	0.0131	8.12	0.0016	0.1642	0.010
			Pyrene	0.0288	0.00016	3200	0.0922	8.12	0.0113	0.1642	0.069
		LPAH									
			Acenaphthene	0.0014	0.00031	3200	0.0045	8.12	0.0006	0.1642	0.003
			Acenaphthylene	0.00209	0.00031	3200	0.0067	8.12	0.0008	0.1642	0.005
			Anthracene	0.00245	0.00016	3200	0.0078	8.12	0.0010	0.1642	0.006
			Fluorene	0.00301	0.00034	3200	0.0096	8.12	0.0012	0.1642	0.007
			Naphthalene	0.0125	0.00031	3200	0.0400	8.12	0.0049	0.1642	0.030
			Phenanthrene	0.0166	0.00031	3200	0.0531	8.12	0.0065	0.1642	0.040
10/19/11											
	L54294-2										
		HPAH									
			Benzo(a)anthracene	0.0156	0.00033	1500	0.0234	20.03	0.0012	0.0366	0.032
			Benzo(a)pyrene	0.017	0.00017	1500	0.0255	20.03	0.0013	0.0366	0.035
			Benzo(b,j,k)fluoranthene	0.0579	0.00033	1500	0.0869	20.03	0.0043	0.0366	0.119
			Benzo(g,h,i)perylene	0.0226	0.00017	1500	0.0339	20.03	0.0017	0.0366	0.046
			Chrysene	0.0375	0.00017	1500	0.0563	20.03	0.0028	0.0366	0.077

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00401	0.00033	1500	0.0060	20.03	0.0003	0.0366	0.008
			Fluoranthene	0.0647	0.00043	1500	0.0971	20.03	0.0048	0.0366	0.132
			Indeno(1,2,3-Cd)Pyrene	0.0131	0.00017	1500	0.0197	20.03	0.0010	0.0366	0.027
			Pyrene	0.0541	0.00033	1500	0.0812	20.03	0.0041	0.0366	0.111
		LPAH									
			Acenaphthene	0.00333	0.00067	1500	0.0050	20.03	0.0002	0.0366	0.007
			Acenaphthylene	0.00382	0.00067	1500	0.0057	20.03	0.0003	0.0366	0.008
			Anthracene	0.0047	0.00033	1500	0.0071	20.03	0.0004	0.0366	0.010
			Fluorene	0.00863	0.00073	1500	0.0129	20.03	0.0006	0.0366	0.018
			Naphthalene	0.0267	0.00067	1500	0.0401	20.03	0.0020	0.0366	0.055
			Phenanthrene	0.0372	0.00067	1500	0.0558	20.03	0.0028	0.0366	0.076
11/2/11											
	L54414-1										
		HPAH									
			Benzo(a)anthracene	0.0105	0.00031	1600	0.0168	14.03	0.0012	0.0366	0.033
			Benzo(a)pyrene	0.0142	0.00016	1600	0.0227	14.03	0.0016	0.0366	0.044
			Benzo(b,j,k)fluoranthene	0.0316	0.00031	1600	0.0506	14.03	0.0036	0.0366	0.099
			Benzo(g,h,i)perylene	0.0196	0.00016	1600	0.0314	14.03	0.0022	0.0366	0.061
			Chrysene	0.0167	0.00016	1600	0.0267	14.03	0.0019	0.0366	0.052
			Dibenzo(a,h)anthracene	0.00283	0.00031	1600	0.0045	14.03	0.0003	0.0366	0.009
			Fluoranthene	0.031	0.00041	1600	0.0496	14.03	0.0035	0.0366	0.097
			Indeno(1,2,3-Cd)Pyrene	0.0134	0.00016	1600	0.0214	14.03	0.0015	0.0366	0.042
			Pyrene	0.0275	0.00031	1600	0.0440	14.03	0.0031	0.0366	0.086
		LPAH									
			Acenaphthene	0.0016	0.00063	1600	0.0026	14.03	0.0002	0.0366	0.005
			Acenaphthylene	0.00326	0.00063	1600	0.0052	14.03	0.0004	0.0366	0.010
			Anthracene	0.00157	0.00031	1600	0.0025	14.03	0.0002	0.0366	0.005
			Fluorene	0.0033	0.00069	1600	0.0053	14.03	0.0004	0.0366	0.010
			Naphthalene	0.025	0.00063	1600	0.0400	14.03	0.0029	0.0366	0.078
11/16/11			Phenanthrene	0.019	0.00063	1600	0.0304	14.03	0.0022	0.0366	0.059
	L54542-2										
		HPAH									

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)anthracene	0.00363	0.00036	1300	0.0047	13.99	0.0003	0.0366	0.009
			Benzo(a)pyrene	0.00497	0.00018	1300	0.0065	13.99	0.0005	0.0366	0.013
			Benzo(b,j,k)fluoranthene	0.0144	0.00036	1300	0.0187	13.99	0.0013	0.0366	0.037
			Benzo(g,h,i)perylene	0.00923	0.00018	1300	0.0120	13.99	0.0009	0.0366	0.023
			Chrysene	0.00994	0.00018	1300	0.0129	13.99	0.0009	0.0366	0.025
			Dibenzo(a,h)anthracene	0.0013	0.00036	1300	0.0017	13.99	0.0001	0.0366	0.003
			Fluoranthene	0.0189	0.00046	1300	0.0246	13.99	0.0018	0.0366	0.048
			Indeno(1,2,3-Cd)Pyrene	0.00516	0.00018	1300	0.0067	13.99	0.0005	0.0366	0.013
			Pyrene	0.0138	0.00036	1300	0.0179	13.99	0.0013	0.0366	0.035
		LPAH									
			Acenaphthene	0.0013	0.00071	1300	0.0017	13.99	0.0001	0.0366	0.003
			Acenaphthylene	0.0022	0.00071	1300	0.0029	13.99	0.0002	0.0366	0.006
			Anthracene	0.0017	0.00036	1300	0.0022	13.99	0.0002	0.0366	0.004
			Fluorene	0.0034	0.00079	1300	0.0044	13.99	0.0003	0.0366	0.009
			Naphthalene	0.0286	0.00071	1300	0.0372	13.99	0.0027	0.0366	0.073
11/23/11			Phenanthrene	0.0137	0.00071	1300	0.0178	13.99	0.0013	0.0366	0.035
	L54658-1										
		HPAH									
			Benzo(a)anthracene	0.0014	0.00014	3600	0.0050	6.83	0.0007	0.0366	0.020
			Benzo(a)pyrene	0.00124	0.000069	3600	0.0045	6.83	0.0007	0.0366	0.018
			Benzo(b,j,k)fluoranthene	0.0037	0.00014	3600	0.0133	6.83	0.0020	0.0366	0.053
			Benzo(g,h,i)perylene	0.0022	0.000069	3600	0.0079	6.83	0.0012	0.0366	0.032
			Chrysene	0.00266	0.000069	3600	0.0096	6.83	0.0014	0.0366	0.038
			Dibenzo(a,h)anthracene	0.00038	0.00014	3600	0.0014	6.83	0.0002	0.0366	0.006
			Fluoranthene	0.0073	0.00018	3600	0.0263	6.83	0.0038	0.0366	0.105
			Indeno(1,2,3-Cd)Pyrene	0.00144	0.000069	3600	0.0052	6.83	0.0008	0.0366	0.021
			Pyrene	0.00506	0.00014	3600	0.0182	6.83	0.0027	0.0366	0.073
		LPAH									
			Acenaphthene	0.00098	0.00028	3600	0.0035	6.83	0.0005	0.0366	0.014
			Acenaphthylene	0.0017	0.00028	3600	0.0061	6.83	0.0009	0.0366	0.025
			Anthracene	0.00041	0.00014	3600	0.0015	6.83	0.0002	0.0366	0.006
			Fluorene	0.00223	0.00031	3600	0.0080	6.83	0.0012	0.0366	0.032

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Naphthalene	0.0111	0.00028	3600	0.0400	6.83	0.0059	0.0366	0.160
11/29/11			Phenanthrene	0.00976	0.00028	3600	0.0351	6.83	0.0051	0.0366	0.141
	L54697-1										
		HPAH									
			Benzo(a)anthracene	0.00171	0.00033	1600	0.0027	6.24	0.0004	0.0366	0.012
			Benzo(a)pyrene	0.00241	0.00017	1600	0.0039	6.24	0.0006	0.0366	0.017
			Benzo(b,j,k)fluoranthene	0.00853	0.00033	1600	0.0136	6.24	0.0022	0.0366	0.060
			Benzo(g,h,i)perylene	0.00528	0.00017	1600	0.0084	6.24	0.0014	0.0366	0.037
			Chrysene	0.00434	0.00017	1600	0.0069	6.24	0.0011	0.0366	0.030
			Dibenzo(a,h)anthracene	0.00089	0.00033	1600	0.0014	6.24	0.0002	0.0366	0.006
			Fluoranthene	0.00825	0.00043	1600	0.0132	6.24	0.0021	0.0366	0.058
			Indeno(1,2,3-Cd)Pyrene	0.00389	0.00017	1600	0.0062	6.24	0.0010	0.0366	0.027
			Pyrene	0.00635	0.00033	1600	0.0102	6.24	0.0016	0.0366	0.045
		LPAH									
			Acenaphthene	0.0011	0.00067	1600	0.0018	6.24	0.0003	0.0366	0.008
			Acenaphthylene	0.0022	0.00067	1600	0.0035	6.24	0.0006	0.0366	0.015
			Anthracene	0.00045	0.00033	1600	0.0007	6.24	0.0001	0.0366	0.003
			Fluorene	0.002	0.00073	1600	0.0032	6.24	0.0005	0.0366	0.014
			Naphthalene	0.0267	0.00067	1600	0.0427	6.24	0.0069	0.0366	0.187
			Phenanthrene	0.00893	0.00067	1600	0.0143	6.24	0.0023	0.0366	0.063
12/28/11											
	L54719-1										
		HPAH									
			Benzo(a)anthracene	0.00653	0.00029	1600	0.0104	28.93	0.0004	0.0366	0.010
			Benzo(a)pyrene	0.0062	0.00015	1600	0.0099	28.93	0.0003	0.0366	0.009
			Benzo(b,j,k)fluoranthene	0.0205	0.00029	1600	0.0328	28.93	0.0011	0.0366	0.031
			Benzo(g,h,i)perylene	0.0176	0.00015	1600	0.0282	28.93	0.0010	0.0366	0.027
			Chrysene	0.0184	0.00015	1600	0.0294	28.93	0.0010	0.0366	0.028
			Dibenzo(a,h)anthracene	0.00202	0.00029	1600	0.0032	28.93	0.0001	0.0366	0.003
			Fluoranthene	0.0288	0.00038	1600	0.0461	28.93	0.0016	0.0366	0.044
			Indeno(1,2,3-Cd)Pyrene	0.00778	0.00015	1600	0.0124	28.93	0.0004	0.0366	0.012
			Pyrene	0.0251	0.00029	1600	0.0402	28.93	0.0014	0.0366	0.038

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		LPAH									
			Acenaphthene	0.0019	0.00059	1600	0.0030	28.93	0.0001	0.0366	0.003
			Acenaphthylene	0.00531	0.00059	1600	0.0085	28.93	0.0003	0.0366	0.008
			Anthracene	0.00192	0.00029	1600	0.0031	28.93	0.0001	0.0366	0.003
			Fluorene	0.00477	0.00065	1600	0.0076	28.93	0.0003	0.0366	0.007
			Naphthalene	0.0235	0.00059	1600	0.0376	28.93	0.0013	0.0366	0.036
			Phenanthrene	0.0249	0.00059	1600	0.0398	28.93	0.0014	0.0366	0.038
1/11/12											
	L54845-2										
		HPAH									
			Benzo(a)anthracene	0.00215	0.00021	2350	0.0051	13.95	0.0004	0.0366	0.010
			Benzo(a)pyrene	0.00216	0.0001	2350	0.0051	13.95	0.0004	0.0366	0.010
			Benzo(b,j,k)fluoranthene	0.00558	0.00021	2350	0.0131	13.95	0.0009	0.0366	0.026
			Benzo(g,h,i)perylene	0.00579	0.0001	2350	0.0136	13.95	0.0010	0.0366	0.027
			Chrysene	0.00462	0.0001	2350	0.0109	13.95	0.0008	0.0366	0.021
			Dibenzo(a,h)anthracene	0.00069	0.00021	2350	0.0016	13.95	0.0001	0.0366	0.003
			Fluoranthene	0.00972	0.00027	2350	0.0228	13.95	0.0016	0.0366	0.045
			Indeno(1,2,3-Cd)Pyrene	0.00218	0.0001	2350	0.0051	13.95	0.0004	0.0366	0.010
			Pyrene	0.0092	0.00021	2350	0.0216	13.95	0.0015	0.0366	0.042
		LPAH									
			Acenaphthene	0.0011	0.00042	2350	0.0026	13.95	0.0002	0.0366	0.005
			Acenaphthylene	0.00226	0.00042	2350	0.0053	13.95	0.0004	0.0366	0.010
			Anthracene	0.00068	0.00021	2350	0.0016	13.95	0.0001	0.0366	0.003
			Fluorene	0.00311	0.00046	2350	0.0073	13.95	0.0005	0.0366	0.014
			Naphthalene	0.0167	0.00042	2350	0.0392	13.95	0.0028	0.0366	0.077
1/24/12			Phenanthrene	0.0141	0.00042	2350	0.0331	13.95	0.0024	0.0366	0.065
	L54922-1										
		HPAH									
			Benzo(a)anthracene	0.00313	0.00019	2700	0.0085	13.05	0.0006	0.0366	0.018
			Benzo(a)pyrene	0.00234	0.000093	2700	0.0063	13.05	0.0005	0.0366	0.013
			Benzo(b,j,k)fluoranthene	0.00756	0.00019	2700	0.0204	13.05	0.0016	0.0366	0.043
			Benzo(g,h,i)perylene	0.00495	0.000093	2700	0.0134	13.05	0.0010	0.0366	0.028

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Chrysene	0.00735	0.000093	2700	0.0198	13.05	0.0015	0.0366	0.042
			Dibenzo(a,h)anthracene	0.00067	0.00019	2700	0.0018	13.05	0.0001	0.0366	0.004
			Fluoranthene	0.0149	0.00024	2700	0.0402	13.05	0.0031	0.0366	0.084
			Indeno(1,2,3-Cd)Pyrene	0.00262	0.000093	2700	0.0071	13.05	0.0005	0.0366	0.015
			Pyrene	0.0142	0.00019	2700	0.0383	13.05	0.0029	0.0366	0.080
		LPAH									
			Acenaphthene	0.0013	0.00037	2700	0.0035	13.05	0.0003	0.0366	0.007
			Acenaphthylene	0.0052	0.00037	2700	0.0140	13.05	0.0011	0.0366	0.029
			Anthracene	0.000991	0.00019	2700	0.0027	13.05	0.0002	0.0366	0.006
			Fluorene	0.00478	0.00041	2700	0.0129	13.05	0.0010	0.0366	0.027
			Naphthalene	0.0148	0.00037	2700	0.0400	13.05	0.0031	0.0366	0.084
			Phenanthrene	0.0219	0.00037	2700	0.0591	13.05	0.0045	0.0366	0.124
2/7/12											
	L54980-1										
		HPAH									
			Benzo(a)anthracene	0.00397	0.0002	2400	0.0095	13.89	0.0007	0.0366	0.019
			Benzo(a)pyrene	0.00428	0.0001	2400	0.0103	13.89	0.0007	0.0366	0.020
			Benzo(b,j,k)fluoranthene	0.0108	0.0002	2400	0.0259	13.89	0.0019	0.0366	0.051
			Benzo(g,h,i)perylene	0.00694	0.0001	2400	0.0167	13.89	0.0012	0.0366	0.033
			Chrysene	0.00909	0.0001	2400	0.0218	13.89	0.0016	0.0366	0.043
			Dibenzo(a,h)anthracene	0.00075	0.0002	2400	0.0018	13.89	0.0001	0.0366	0.004
			Fluoranthene	0.0173	0.00026	2400	0.0415	13.89	0.0030	0.0366	0.082
			Indeno(1,2,3-Cd)Pyrene	0.00358	0.0001	2400	0.0086	13.89	0.0006	0.0366	0.017
			Pyrene	0.0211	0.0002	2400	0.0506	13.89	0.0036	0.0366	0.100
		LPAH									
			Acenaphthene	0.00214	0.0004	2400	0.0051	13.89	0.0004	0.0366	0.010
			Acenaphthylene	0.00399	0.0004	2400	0.0096	13.89	0.0007	0.0366	0.019
			Anthracene	0.00133	0.0002	2400	0.0032	13.89	0.0002	0.0366	0.006
			Fluorene	0.00467	0.00044	2400	0.0112	13.89	0.0008	0.0366	0.022
			Naphthalene	0.016	0.0004	2400	0.0384	13.89	0.0028	0.0366	0.076
2/22/12			Phenanthrene	0.0205	0.0004	2400	0.0492	13.89	0.0035	0.0366	0.097
	L55079-1										

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		HPAH									
			Benzo(a)anthracene	0.00341	0.00024	2000	0.0068	15.04	0.0005	0.0366	0.012
			Benzo(a)pyrene	0.00437	0.00012	2000	0.0087	15.04	0.0006	0.0366	0.016
			Benzo(b,j,k)fluoranthene	0.0132	0.00024	2000	0.0264	15.04	0.0018	0.0366	0.048
			Benzo(g,h,i)perylene	0.0117	0.00012	2000	0.0234	15.04	0.0016	0.0366	0.043
			Chrysene	0.00868	0.00012	2000	0.0174	15.04	0.0012	0.0366	0.032
			Dibenzo(a,h)anthracene	0.00164	0.00024	2000	0.0033	15.04	0.0002	0.0366	0.006
			Fluoranthene	0.0147	0.00031	2000	0.0294	15.04	0.0020	0.0366	0.053
			Indeno(1,2,3-Cd)Pyrene	0.00665	0.00012	2000	0.0133	15.04	0.0009	0.0366	0.024
			Pyrene	0.0103	0.00024	2000	0.0206	15.04	0.0014	0.0366	0.037
		LPAH									
			Acenaphthene	0.0015	0.00048	2000	0.0030	15.04	0.0002	0.0366	0.006
			Acenaphthylene	0.00433	0.00048	2000	0.0087	15.04	0.0006	0.0366	0.016
			Anthracene	0.0012	0.00024	2000	0.0024	15.04	0.0002	0.0366	0.004
			Fluorene	0.00405	0.00052	2000	0.0081	15.04	0.0005	0.0366	0.015
			Naphthalene	0.019	0.00048	2000	0.0380	15.04	0.0025	0.0366	0.069
			Phenanthrene	0.0161	0.00048	2000	0.0322	15.04	0.0021	0.0366	0.059
3/6/12											
	L55159-1										
		HPAH									
			Benzo(a)anthracene	0.00423	0.00036	1450	0.0061	12.93	0.0005	0.0366	0.013
			Benzo(a)pyrene	0.00496	0.00018	1450	0.0072	12.93	0.0006	0.0366	0.015
			Benzo(b,j,k)fluoranthene	0.0133	0.00036	1450	0.0193	12.93	0.0015	0.0366	0.041
			Benzo(g,h,i)perylene	0.0101	0.00018	1450	0.0146	12.93	0.0011	0.0366	0.031
			Chrysene	0.00955	0.00018	1450	0.0138	12.93	0.0011	0.0366	0.029
			Dibenzo(a,h)anthracene	0.0012	0.00036	1450	0.0017	12.93	0.0001	0.0366	0.004
			Fluoranthene	0.0187	0.00046	1450	0.0271	12.93	0.0021	0.0366	0.057
			Indeno(1,2,3-Cd)Pyrene	0.00527	0.00018	1450	0.0076	12.93	0.0006	0.0366	0.016
			Pyrene	0.0146	0.00036	1450	0.0212	12.93	0.0016	0.0366	0.045
		LPAH									
			Acenaphthene	0.0015	0.00071	1450	0.0022	12.93	0.0002	0.0366	0.005
			Acenaphthylene	0.00397	0.00071	1450	0.0058	12.93	0.0004	0.0366	0.012

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Anthracene	0.0012	0.00036	1450	0.0017	12.93	0.0001	0.0366	0.004
			Fluorene	0.00431	0.00079	1450	0.0062	12.93	0.0005	0.0366	0.013
			Naphthalene	0.0286	0.00071	1450	0.0415	12.93	0.0032	0.0366	0.088
3/15/12			Phenanthrene	0.0177	0.00071	1450	0.0257	12.93	0.0020	0.0366	0.054
	L55244-1										
		HPAH									
			Benzo(a)anthracene	0.00274	0.00017	2900	0.0079	9.01	0.0009	0.0366	0.024
			Benzo(a)pyrene	0.00273	0.000083	2900	0.0079	9.01	0.0009	0.0366	0.024
			Benzo(b,j,k)fluoranthene	0.00777	0.00017	2900	0.0225	9.01	0.0025	0.0366	0.068
			Benzo(g,h,i)perylene	0.00435	0.000083	2900	0.0126	9.01	0.0014	0.0366	0.038
			Chrysene	0.00519	0.000083	2900	0.0151	9.01	0.0017	0.0366	0.046
			Dibenzo(a,h)anthracene	0.0007	0.00017	2900	0.0020	9.01	0.0002	0.0366	0.006
			Fluoranthene	0.0112	0.00022	2900	0.0325	9.01	0.0036	0.0366	0.099
			Indeno(1,2,3-Cd)Pyrene	0.00263	0.000083	2900	0.0076	9.01	0.0008	0.0366	0.023
			Pyrene	0.00701	0.00017	2900	0.0203	9.01	0.0023	0.0366	0.062
		LPAH									
			Acenaphthene	0.0012	0.00033	2900	0.0035	9.01	0.0004	0.0366	0.011
			Acenaphthylene	0.00246	0.00033	2900	0.0071	9.01	0.0008	0.0366	0.022
			Anthracene	0.000858	0.00017	2900	0.0025	9.01	0.0003	0.0366	0.008
			Fluorene	0.00316	0.00037	2900	0.0092	9.01	0.0010	0.0366	0.028
			Naphthalene	0.0133	0.00033	2900	0.0386	9.01	0.0043	0.0366	0.117
3/29/12			Phenanthrene	0.0131	0.00033	2900	0.0380	9.01	0.0042	0.0366	0.115
	L55316-2										
		HPAH									
			Benzo(a)anthracene	0.00162	0.00017	2900	0.0047	14.10	0.0003	0.0366	0.009
			Benzo(a)pyrene	0.00156	0.000083	2900	0.0045	14.10	0.0003	0.0366	0.009
			Benzo(b,j,k)fluoranthene	0.0057	0.00017	2900	0.0165	14.10	0.0012	0.0366	0.032
			Benzo(g,h,i)perylene	0.00395	0.000083	2900	0.0115	14.10	0.0008	0.0366	0.022
			Chrysene	0.00512	0.000083	2900	0.0148	14.10	0.0011	0.0366	0.029
			Dibenzo(a,h)anthracene	0.00058	0.00017	2900	0.0017	14.10	0.0001	0.0366	0.003
			Fluoranthene	0.00804	0.00022	2900	0.0233	14.10	0.0017	0.0366	0.045
			Indeno(1,2,3-Cd)Pyrene	0.002	0.000083	2900	0.0058	14.10	0.0004	0.0366	0.011

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Pyrene	0.0077	0.00017	2900	0.0223	14.10	0.0016	0.0366	0.043
		LPAH									
			Acenaphthene	0.0012	0.00033	2900	0.0035	14.10	0.0002	0.0366	0.007
			Acenaphthylene	0.00099	0.00033	2900	0.0029	14.10	0.0002	0.0366	0.006
			Anthracene	0.00067	0.00017	2900	0.0019	14.10	0.0001	0.0366	0.004
			Fluorene	0.00353	0.00037	2900	0.0102	14.10	0.0007	0.0366	0.020
			Naphthalene	0.0133	0.00033	2900	0.0386	14.10	0.0027	0.0366	0.075
			Phenanthrene	0.0224	0.00033	2900	0.0650	14.10	0.0046	0.0366	0.126
4/19/12											
	L55365-1										
		HPAH									
			Benzo(a)anthracene	0.0036	0.00023	2100	0.0076	20.84	0.0004	0.0366	0.010
			Benzo(a)pyrene	0.00382	0.00011	2100	0.0080	20.84	0.0004	0.0366	0.011
			Benzo(b,j,k)fluoranthene	0.0113	0.00023	2100	0.0237	20.84	0.0011	0.0366	0.031
			Benzo(g,h,i)perylene	0.0071	0.00011	2100	0.0149	20.84	0.0007	0.0366	0.020
			Chrysene	0.00948	0.00011	2100	0.0199	20.84	0.0010	0.0366	0.026
			Dibenzo(a,h)anthracene	0.00074	0.00023	2100	0.0016	20.84	0.0001	0.0366	0.002
			Fluoranthene	0.0115	0.0003	2100	0.0242	20.84	0.0012	0.0366	0.032
			Indeno(1,2,3-Cd)Pyrene	0.00367	0.00011	2100	0.0077	20.84	0.0004	0.0366	0.010
			Pyrene	0.0122	0.00023	2100	0.0256	20.84	0.0012	0.0366	0.034
		LPAH									
			Acenaphthene	0.0015	0.00045	2100	0.0032	20.84	0.0002	0.0366	0.004
			Acenaphthylene	--	0.00045	2100	0.0020	20.84	0.0001	0.0366	0.003
			Anthracene	0.00162	0.00023	2100	0.0034	20.84	0.0002	0.0366	0.005
			Fluorene	0.00414	0.0005	2100	0.0087	20.84	0.0004	0.0366	0.011
			Naphthalene	0.0182	0.00045	2100	0.0382	20.84	0.0018	0.0366	0.050
			Phenanthrene	0.0189	0.00045	2100	0.0397	20.84	0.0019	0.0366	0.052
5/2/12											
	L55530-2										
		HPAH									
			Benzo(a)anthracene	0.00182	0.00025	2000	0.0036	13.21	0.0003	0.0366	0.008
			Benzo(a)pyrene	0.00249	0.00013	2000	0.0050	13.21	0.0004	0.0366	0.010

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(b,j,k)fluoranthene	0.00754	0.00025	2000	0.0151	13.21	0.0011	0.0366	0.031
			Benzo(g,h,i)perylene	0.00471	0.00013	2000	0.0094	13.21	0.0007	0.0366	0.020
			Chrysene	0.00657	0.00013	2000	0.0131	13.21	0.0010	0.0366	0.027
			Dibenzo(a,h)anthracene	0.00053	0.00025	2000	0.0011	13.21	0.0001	0.0366	0.002
			Fluoranthene	0.00885	0.00033	2000	0.0177	13.21	0.0013	0.0366	0.037
			Indeno(1,2,3-Cd)Pyrene	0.00262	0.00013	2000	0.0052	13.21	0.0004	0.0366	0.011
			Pyrene	0.00849	0.00025	2000	0.0170	13.21	0.0013	0.0366	0.035
		LPAH									
			Acenaphthene	0.0013	0.0005	2000	0.0026	13.21	0.0002	0.0366	0.005
			Acenaphthylene	--	0.0005	2000	0.0020	13.21	0.0002	0.0366	0.004
			Anthracene	--	0.00025	2000	0.0010	13.21	0.0001	0.0366	0.002
			Fluorene	0.00313	0.00055	2000	0.0063	13.21	0.0005	0.0366	0.013
			Naphthalene	0.02	0.0005	2000	0.0400	13.21	0.0030	0.0366	0.083
5/31/12			Phenanthrene	0.0148	0.0005	2000	0.0296	13.21	0.0022	0.0366	0.061
	L55594-1										
		HPAH									
			Benzo(a)anthracene	0.0042	0.00019	2700	0.0113	29.01	0.0004	0.0366	0.011
			Benzo(a)pyrene	0.00646	0.000093	2700	0.0174	29.01	0.0006	0.0366	0.016
			Benzo(b,j,k)fluoranthene	0.0129	0.00019	2700	0.0348	29.01	0.0012	0.0366	0.033
			Benzo(g,h,i)perylene	0.00858	0.000093	2700	0.0232	29.01	0.0008	0.0366	0.022
			Chrysene	0.0088	0.000093	2700	0.0238	29.01	0.0008	0.0366	0.022
			Dibenzo(a,h)anthracene	0.00131	0.00019	2700	0.0035	29.01	0.0001	0.0366	0.003
			Fluoranthene	0.0112	0.00024	2700	0.0302	29.01	0.0010	0.0366	0.029
			Indeno(1,2,3-Cd)Pyrene	0.00452	0.000093	2700	0.0122	29.01	0.0004	0.0366	0.012
			Pyrene	0.0106	0.00019	2700	0.0286	29.01	0.0010	0.0366	0.027
		LPAH									
			Acenaphthene	0.00185	0.00037	2700	0.0050	29.01	0.0002	0.0366	0.005
			Acenaphthylene	0.00226	0.00037	2700	0.0061	29.01	0.0002	0.0366	0.006
			Anthracene	0.00332	0.00019	2700	0.0090	29.01	0.0003	0.0366	0.008
			Fluorene	0.00281	0.00041	2700	0.0076	29.01	0.0003	0.0366	0.007
			Naphthalene	0.0207	0.00037	2700	0.0559	29.01	0.0019	0.0366	0.053
			Phenanthrene	0.0105	0.00037	2700	0.0284	29.01	0.0010	0.0366	0.027

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
6/27/12											
	L55793-1										
		HPAH									
			Benzo(a)anthracene	0.00299	0.00016	3100	0.0093	26.90	0.0003	0.0366	0.009
			Benzo(a)pyrene	0.00346	0.000081	3100	0.0107	26.90	0.0004	0.0366	0.011
			Benzo(b,j,k)fluoranthene	0.0114	0.00016	3100	0.0353	26.90	0.0013	0.0366	0.036
			Benzo(g,h,i)perylene	0.00706	0.000081	3100	0.0219	26.90	0.0008	0.0366	0.022
			Chrysene	0.008	0.000081	3100	0.0248	26.90	0.0009	0.0366	0.025
			Dibenzo(a,h)anthracene	0.000892	0.00016	3100	0.0028	26.90	0.0001	0.0366	0.003
			Fluoranthene	0.0113	0.00021	3100	0.0350	26.90	0.0013	0.0366	0.036
			Indeno(1,2,3-Cd)Pyrene	0.00338	0.000081	3100	0.0105	26.90	0.0004	0.0366	0.011
			Pyrene	0.0104	0.00016	3100	0.0322	26.90	0.0012	0.0366	0.033
		LPAH									
			Acenaphthene	0.0011	0.00032	3100	0.0034	26.90	0.0001	0.0366	0.004
			Acenaphthylene	0.00224	0.00032	3100	0.0069	26.90	0.0003	0.0366	0.007
			Anthracene	0.00118	0.00016	3100	0.0037	26.90	0.0001	0.0366	0.004
			Fluorene	0.00196	0.00035	3100	0.0061	26.90	0.0002	0.0366	0.006
			Naphthalene	0.0129	0.00032	3100	0.0400	26.90	0.0015	0.0366	0.041
			Phenanthrene	0.0131	0.00032	3100	0.0406	26.90	0.0015	0.0366	0.041
7/19/12											
	L55963-1										
		HPAH									
			Benzo(a)anthracene	0.0119	0.00056	900	0.0107	22.10	0.0005	0.0366	0.013
			Benzo(a)pyrene	0.0152	0.00028	900	0.0137	22.10	0.0006	0.0366	0.017
			Benzo(b,j,k)fluoranthene	0.0416	0.00056	900	0.0374	22.10	0.0017	0.0366	0.046
			Benzo(g,h,i)perylene	0.0278	0.00028	900	0.0250	22.10	0.0011	0.0366	0.031
			Chrysene	0.0306	0.00028	900	0.0275	22.10	0.0012	0.0366	0.034
			Dibenzo(a,h)anthracene	0.00349	0.00056	900	0.0031	22.10	0.0001	0.0366	0.004
			Fluoranthene	0.0441	0.00072	900	0.0397	22.10	0.0018	0.0366	0.049
			Indeno(1,2,3-Cd)Pyrene	0.0124	0.00028	900	0.0112	22.10	0.0005	0.0366	0.014
			Pyrene	0.0351	0.00056	900	0.0316	22.10	0.0014	0.0366	0.039
		LPAH									

Table C-9. PAHs Flux Calculations for Beacon Hill Station (BWR)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.0016	0.0011	900	0.0014	22.10	0.0001	0.0366	0.002
			Acenaphthylene	0.0037	0.0011	900	0.0033	22.10	0.0002	0.0366	0.004
			Anthracene	0.00453	0.00056	900	0.0041	22.10	0.0002	0.0366	0.005
			Fluorene	0.0029	0.0012	900	0.0026	22.10	0.0001	0.0366	0.003
			Naphthalene	0.0444	0.0011	900	0.0400	22.10	0.0018	0.0366	0.049
			Phenanthrene	0.0179	0.0011	900	0.0161	22.10	0.0007	0.0366	0.020
10/10/12											
	L56386-10										
		HPAH									
			Benzo(a)anthracene	0.136	0.0013	400	0.0544	27.13	0.0020	0.1642	0.012
			Benzo(a)pyrene	0.174	0.00063	400	0.0696	27.13	0.0026	0.1642	0.016
			Benzo(b,j,k)fluoranthene	0.435	0.0013	400	0.1740	27.13	0.0064	0.1642	0.039
			Benzo(g,h,i)perylene	0.193	0.00063	400	0.0772	27.13	0.0028	0.1642	0.017
			Chrysene	0.385	0.00063	400	0.1540	27.13	0.0057	0.1642	0.035
			Dibenzo(a,h)anthracene	0.0327	0.0013	400	0.0131	27.13	0.0005	0.1642	0.003
			Fluoranthene	0.503	0.0016	400	0.2012	27.13	0.0074	0.1642	0.045
			Indeno(1,2,3-Cd)Pyrene	0.0992	0.00063	400	0.0397	27.13	0.0015	0.1642	0.009
			Pyrene	0.458	0.0013	400	0.1832	27.13	0.0068	0.1642	0.041
		LPAH									
			Acenaphthene	0.011	0.0025	400	0.0044	27.13	0.0002	0.1642	0.001
			Acenaphthylene	0.0409	0.0025	400	0.0164	27.13	0.0006	0.1642	0.004
			Anthracene	0.0619	0.0013	400	0.0248	27.13	0.0009	0.1642	0.006
			Fluorene	0.0195	0.0028	400	0.0078	27.13	0.0003	0.1642	0.002
			Naphthalene	0.1	0.0025	400	0.0400	27.13	0.0015	0.1642	0.009
			Phenanthrene	0.261	0.0025	400	0.1044	27.13	0.0038	0.1642	0.023

-- Not Detected

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
8/25/11											
	L53760-6										
		HPAH									
			Benzo(a)anthracene	0.105	0.00083	550	0.0578	28.88	0.0020	0.1642	0.012
			Benzo(a)pyrene	0.18	0.00042	550	0.0990	28.88	0.0034	0.1642	0.021
			Benzo(b,j,k)fluoranthene	0.454	0.00083	550	0.2497	28.88	0.0086	0.1642	0.053
			Benzo(g,h,i)perylene	0.22	0.00042	550	0.1210	28.88	0.0042	0.1642	0.026
			Chrysene	0.278	0.00042	550	0.1529	28.88	0.0053	0.1642	0.032
			Dibenzo(a,h)anthracene	0.0453	0.00083	550	0.0249	28.88	0.0009	0.1642	0.005
			Fluoranthene	0.43	0.0011	550	0.2365	28.88	0.0082	0.1642	0.050
			Indeno(1,2,3-Cd)Pyrene	0.141	0.00042	550	0.0776	28.88	0.0027	0.1642	0.016
			Pyrene	0.303	0.00083	550	0.1667	28.88	0.0058	0.1642	0.035
		LPAH									
			Acenaphthene	0.0117	0.0017	550	0.0064	28.88	0.0002	0.1642	0.001
			Acenaphthylene	0.0194	0.0017	550	0.0107	28.88	0.0004	0.1642	0.002
			Anthracene	0.0312	0.00083	550	0.0172	28.88	0.0006	0.1642	0.004
			Fluorene	0.0259	0.0018	550	0.0142	28.88	0.0005	0.1642	0.003
			Naphthalene	0.0667	0.0017	550	0.0367	28.88	0.0013	0.1642	0.008
8/25/11			Phenanthrene	0.258	0.0017	550	0.1419	28.88	0.0049	0.1642	0.030
	L53760-7										
		HPAH									
			Benzo(a)anthracene	0.113	0.001	550	0.0622	28.88	0.0022	0.1642	0.013
			Benzo(a)pyrene	0.195	0.0005	550	0.1073	28.88	0.0037	0.1642	0.023
			Benzo(b,j,k)fluoranthene	0.483	0.001	550	0.2657	28.88	0.0092	0.1642	0.056
			Benzo(g,h,i)perylene	0.218	0.0005	550	0.1199	28.88	0.0042	0.1642	0.025
			Chrysene	0.296	0.0005	550	0.1628	28.88	0.0056	0.1642	0.034
			Dibenzo(a,h)anthracene	0.0461	0.001	550	0.0254	28.88	0.0009	0.1642	0.005
			Fluoranthene	0.489	0.0013	550	0.2690	28.88	0.0093	0.1642	0.057
			Indeno(1,2,3-Cd)Pyrene	0.14	0.0005	550	0.0770	28.88	0.0027	0.1642	0.016
			Pyrene	0.337	0.001	550	0.1854	28.88	0.0064	0.1642	0.039
		LPAH									

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.0139	0.002	550	0.0076	28.88	0.0003	0.1642	0.002
			Acenaphthylene	0.0214	0.002	550	0.0118	28.88	0.0004	0.1642	0.003
			Anthracene	0.0362	0.001	550	0.0199	28.88	0.0007	0.1642	0.004
			Fluorene	0.0289	0.0022	550	0.0159	28.88	0.0006	0.1642	0.003
			Naphthalene	0.08	0.002	550	0.0440	28.88	0.0015	0.1642	0.009
			Phenanthrene	0.296	0.002	550	0.1628	28.88	0.0056	0.1642	0.034
9/21/11											
	L53845-4										
		HPAH									
			Benzo(a)anthracene	0.0583	0.00026	2050	0.1195	27.02	0.0044	0.1642	0.027
			Benzo(a)pyrene	0.088	0.00013	2050	0.1804	27.02	0.0067	0.1642	0.041
			Benzo(b,j,k)fluoranthene	0.242	0.00026	2050	0.4961	27.02	0.0184	0.1642	0.112
			Benzo(g,h,i)perylene	0.104	0.00013	2050	0.2132	27.02	0.0079	0.1642	0.048
			Chrysene	0.146	0.00013	2050	0.2993	27.02	0.0111	0.1642	0.068
			Dibenzo(a,h)anthracene	0.0207	0.00026	2050	0.0424	27.02	0.0016	0.1642	0.010
			Fluoranthene	0.226	0.00034	2050	0.4633	27.02	0.0171	0.1642	0.104
			Indeno(1,2,3-Cd)Pyrene	0.0622	0.00013	2050	0.1275	27.02	0.0047	0.1642	0.029
			Pyrene	0.196	0.00026	2050	0.4018	27.02	0.0149	0.1642	0.091
		LPAH									
			Acenaphthene	0.00906	0.00053	2050	0.0186	27.02	0.0007	0.1642	0.004
			Acenaphthylene	0.01	0.00053	2050	0.0205	27.02	0.0008	0.1642	0.005
			Anthracene	0.02	0.00026	2050	0.0410	27.02	0.0015	0.1642	0.009
			Fluorene	0.0186	0.00058	2050	0.0381	27.02	0.0014	0.1642	0.009
			Naphthalene	0.0211	0.00053	2050	0.0433	27.02	0.0016	0.1642	0.010
9/29/11			Phenanthrene	0.114	0.00053	2050	0.2337	27.02	0.0086	0.1642	0.053
	L54175-7										
		HPAH									
			Benzo(a)anthracene	0.0126	0.00012	4100	0.0517	7.98	0.0065	0.1642	0.039
			Benzo(a)pyrene	0.0144	0.000061	4100	0.0590	7.98	0.0074	0.1642	0.045
			Benzo(b,j,k)fluoranthene	0.0374	0.00012	4100	0.1533	7.98	0.0192	0.1642	0.117
			Benzo(g,h,i)perylene	0.00739	0.000061	4100	0.0303	7.98	0.0038	0.1642	0.023
			Chrysene	0.0264	0.000061	4100	0.1082	7.98	0.0136	0.1642	0.083

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00258	0.00012	4100	0.0106	7.98	0.0013	0.1642	0.008
			Fluoranthene	0.0449	0.00016	4100	0.1841	7.98	0.0231	0.1642	0.141
			Indeno(1,2,3-Cd)Pyrene	0.00576	0.000061	4100	0.0236	7.98	0.0030	0.1642	0.018
			Pyrene	0.0384	0.00012	4100	0.1574	7.98	0.0197	0.1642	0.120
		LPAH									
			Acenaphthene	0.003	0.00024	4100	0.0123	7.98	0.0015	0.1642	0.009
			Acenaphthylene	0.0032	0.00024	4100	0.0131	7.98	0.0016	0.1642	0.010
			Anthracene	0.00519	0.00012	4100	0.0213	7.98	0.0027	0.1642	0.016
			Fluorene	0.00556	0.00027	4100	0.0228	7.98	0.0029	0.1642	0.017
			Naphthalene	0.0117	0.00024	4100	0.0480	7.98	0.0060	0.1642	0.037
			Phenanthrene	0.0279	0.00024	4100	0.1144	7.98	0.0143	0.1642	0.087
10/19/11											
	L54294-5										
		HPAH									
			Benzo(a)anthracene	0.0136	0.00026	2000	0.0272	19.95	0.0014	0.0366	0.037
			Benzo(a)pyrene	0.0148	0.00013	2000	0.0296	19.95	0.0015	0.0366	0.041
			Benzo(b,j,k)fluoranthene	0.0416	0.00026	2000	0.0832	19.95	0.0042	0.0366	0.114
			Benzo(g,h,i)perylene	0.0115	0.00013	2000	0.0230	19.95	0.0012	0.0366	0.032
			Chrysene	0.0324	0.00013	2000	0.0648	19.95	0.0032	0.0366	0.089
			Dibenzo(a,h)anthracene	0.00296	0.00026	2000	0.0059	19.95	0.0003	0.0366	0.008
			Fluoranthene	0.0527	0.00034	2000	0.1054	19.95	0.0053	0.0366	0.144
			Indeno(1,2,3-Cd)Pyrene	0.00865	0.00013	2000	0.0173	19.95	0.0009	0.0366	0.024
			Pyrene	0.0399	0.00026	2000	0.0798	19.95	0.0040	0.0366	0.109
		LPAH									
			Acenaphthene	0.00263	0.00053	2000	0.0053	19.95	0.0003	0.0366	0.007
			Acenaphthylene	0.0026	0.00053	2000	0.0052	19.95	0.0003	0.0366	0.007
			Anthracene	0.00454	0.00026	2000	0.0091	19.95	0.0005	0.0366	0.012
			Fluorene	0.00525	0.00058	2000	0.0105	19.95	0.0005	0.0366	0.014
			Naphthalene	0.0211	0.00053	2000	0.0422	19.95	0.0021	0.0366	0.058
			Phenanthrene	0.0337	0.00053	2000	0.0674	19.95	0.0034	0.0366	0.092
11/2/11											
	L54414-4										

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		HPAH									
			Benzo(a)anthracene	0.0187	0.00036	1375	0.0257	14.03	0.0018	0.0366	0.050
			Benzo(a)pyrene	0.0202	0.00018	1375	0.0278	14.03	0.0020	0.0366	0.054
			Benzo(b,j,k)fluoranthene	0.0527	0.00036	1375	0.0725	14.03	0.0052	0.0366	0.141
			Benzo(g,h,i)perylene	0.0342	0.00018	1375	0.0470	14.03	0.0034	0.0366	0.092
			Chrysene	0.0396	0.00018	1375	0.0545	14.03	0.0039	0.0366	0.106
			Dibenzo(a,h)anthracene	0.0048	0.00036	1375	0.0066	14.03	0.0005	0.0366	0.013
			Fluoranthene	0.0645	0.00046	1375	0.0887	14.03	0.0063	0.0366	0.173
			Indeno(1,2,3-Cd)Pyrene	0.0185	0.00018	1375	0.0254	14.03	0.0018	0.0366	0.050
			Pyrene	0.0554	0.00036	1375	0.0762	14.03	0.0054	0.0366	0.148
		LPAH									
			Acenaphthene	0.0025	0.00071	1375	0.0034	14.03	0.0002	0.0366	0.007
			Acenaphthylene	0.00472	0.00071	1375	0.0065	14.03	0.0005	0.0366	0.013
			Anthracene	0.00553	0.00036	1375	0.0076	14.03	0.0005	0.0366	0.015
			Fluorene	0.00524	0.00079	1375	0.0072	14.03	0.0005	0.0366	0.014
			Naphthalene	0.0286	0.00071	1375	0.0393	14.03	0.0028	0.0366	0.077
11/16/11			Phenanthrene	0.0265	0.00071	1375	0.0364	14.03	0.0026	0.0366	0.071
	L54542-5										
		HPAH									
			Benzo(a)anthracene	0.0243	0.00033	1400	0.0340	13.98	0.0024	0.0366	0.067
			Benzo(a)pyrene	0.0273	0.00017	1400	0.0382	13.98	0.0027	0.0366	0.075
			Benzo(b,j,k)fluoranthene	0.0538	0.00033	1400	0.0753	13.98	0.0054	0.0366	0.147
			Benzo(g,h,i)perylene	0.0312	0.00017	1400	0.0437	13.98	0.0031	0.0366	0.085
			Chrysene	0.0427	0.00017	1400	0.0598	13.98	0.0043	0.0366	0.117
			Dibenzo(a,h)anthracene	0.00677	0.00033	1400	0.0095	13.98	0.0007	0.0366	0.019
			Fluoranthene	0.0658	0.00043	1400	0.0921	13.98	0.0066	0.0366	0.180
			Indeno(1,2,3-Cd)Pyrene	0.0188	0.00017	1400	0.0263	13.98	0.0019	0.0366	0.051
			Pyrene	0.0493	0.00033	1400	0.0690	13.98	0.0049	0.0366	0.135
		LPAH									
			Acenaphthene	0.0034	0.00067	1400	0.0048	13.98	0.0003	0.0366	0.009
			Acenaphthylene	0.00677	0.00067	1400	0.0095	13.98	0.0007	0.0366	0.019
			Anthracene	0.00812	0.00033	1400	0.0114	13.98	0.0008	0.0366	0.022

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Fluorene	0.00554	0.00073	1400	0.0078	13.98	0.0006	0.0366	0.015
			Naphthalene	0.0267	0.00067	1400	0.0374	13.98	0.0027	0.0366	0.073
11/23/11			Phenanthrene	0.0288	0.00067	1400	0.0403	13.98	0.0029	0.0366	0.079
	L54658-4										
		HPAH									
			Benzo(a)anthracene	0.00224	0.00012	4300	0.0096	7.05	0.0014	0.0366	0.037
			Benzo(a)pyrene	0.00252	0.000059	4300	0.0108	7.05	0.0015	0.0366	0.042
			Benzo(b,j,k)fluoranthene	0.00644	0.00012	4300	0.0277	7.05	0.0039	0.0366	0.107
			Benzo(g,h,i)perylene	0.00271	0.000059	4300	0.0117	7.05	0.0017	0.0366	0.045
			Chrysene	0.0045	0.000059	4300	0.0194	7.05	0.0027	0.0366	0.075
			Dibenzo(a,h)anthracene	0.000672	0.00012	4300	0.0029	7.05	0.0004	0.0366	0.011
			Fluoranthene	0.0136	0.00015	4300	0.0585	7.05	0.0083	0.0366	0.227
			Indeno(1,2,3-Cd)Pyrene	0.00206	0.000059	4300	0.0089	7.05	0.0013	0.0366	0.034
			Pyrene	0.0109	0.00012	4300	0.0469	7.05	0.0066	0.0366	0.182
		LPAH									
			Acenaphthene	0.00226	0.00024	4300	0.0097	7.05	0.0014	0.0366	0.038
			Acenaphthylene	0.00406	0.00024	4300	0.0175	7.05	0.0025	0.0366	0.068
			Anthracene	0.00115	0.00012	4300	0.0049	7.05	0.0007	0.0366	0.019
			Fluorene	0.00415	0.00026	4300	0.0178	7.05	0.0025	0.0366	0.069
			Naphthalene	0.012	0.00024	4300	0.0516	7.05	0.0073	0.0366	0.200
11/29/11			Phenanthrene	0.00981	0.00024	4300	0.0422	7.05	0.0060	0.0366	0.163
	L54697-4										
		HPAH									
			Benzo(a)anthracene	0.00535	0.00033	1550	0.0083	6.02	0.0014	0.0366	0.038
			Benzo(a)pyrene	0.00651	0.00017	1550	0.0101	6.02	0.0017	0.0366	0.046
			Benzo(b,j,k)fluoranthene	0.0153	0.00033	1550	0.0237	6.02	0.0039	0.0366	0.108
			Benzo(g,h,i)perylene	0.00925	0.00017	1550	0.0143	6.02	0.0024	0.0366	0.065
			Chrysene	0.00957	0.00017	1550	0.0148	6.02	0.0025	0.0366	0.067
			Dibenzo(a,h)anthracene	0.00187	0.00033	1550	0.0029	6.02	0.0005	0.0366	0.013
			Fluoranthene	0.0193	0.00043	1550	0.0299	6.02	0.0050	0.0366	0.136
			Indeno(1,2,3-Cd)Pyrene	0.00611	0.00017	1550	0.0095	6.02	0.0016	0.0366	0.043
			Pyrene	0.016	0.00033	1550	0.0248	6.02	0.0041	0.0366	0.113

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		LPAH									
			Acenaphthene	0.0021	0.00067	1550	0.0033	6.02	0.0005	0.0366	0.015
			Acenaphthylene	0.0026	0.00067	1550	0.0040	6.02	0.0007	0.0366	0.018
			Anthracene	0.00168	0.00033	1550	0.0026	6.02	0.0004	0.0366	0.012
			Fluorene	0.0028	0.00073	1550	0.0043	6.02	0.0007	0.0366	0.020
			Naphthalene	0.0267	0.00067	1550	0.0414	6.02	0.0069	0.0366	0.188
			Phenanthrene	0.00667	0.00067	1550	0.0103	6.02	0.0017	0.0366	0.047
12/28/11											
	L54719-5										
		HPAH									
			Benzo(a)anthracene	0.0394	0.00031	1600	0.0630	28.92	0.0022	0.0366	0.060
			Benzo(a)pyrene	0.0382	0.00016	1600	0.0611	28.92	0.0021	0.0366	0.058
			Benzo(b,j,k)fluoranthene	0.0933	0.00031	1600	0.1493	28.92	0.0052	0.0366	0.141
			Benzo(g,h,i)perylene	0.0705	0.00016	1600	0.1128	28.92	0.0039	0.0366	0.107
			Chrysene	0.0778	0.00016	1600	0.1245	28.92	0.0043	0.0366	0.118
			Dibenzo(a,h)anthracene	0.01	0.00031	1600	0.0160	28.92	0.0006	0.0366	0.015
			Fluoranthene	0.112	0.00041	1600	0.1792	28.92	0.0062	0.0366	0.169
			Indeno(1,2,3-Cd)Pyrene	0.0319	0.00016	1600	0.0510	28.92	0.0018	0.0366	0.048
			Pyrene	0.157	0.00031	1600	0.2512	28.92	0.0087	0.0366	0.237
		LPAH									
			Acenaphthene	0.00617	0.00063	1600	0.0099	28.92	0.0003	0.0366	0.009
			Acenaphthylene	0.0131	0.00063	1600	0.0210	28.92	0.0007	0.0366	0.020
			Anthracene	0.0123	0.00031	1600	0.0197	28.92	0.0007	0.0366	0.019
			Fluorene	0.0138	0.00069	1600	0.0221	28.92	0.0008	0.0366	0.021
			Naphthalene	0.025	0.00063	1600	0.0400	28.92	0.0014	0.0366	0.038
			Phenanthrene	0.0619	0.00063	1600	0.0990	28.92	0.0034	0.0366	0.094
1/11/12											
	L54845-6										
		HPAH									
			Benzo(a)anthracene	0.00418	0.00017	2750	0.0115	14.00	0.0008	0.0366	0.022
			Benzo(a)pyrene		0.000086	2750	0.0007	14.00	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.0142	0.00017	2750	0.0391	14.00	0.0028	0.0366	0.076

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(g,h,i)perylene	0.00911	0.000086	2750	0.0251	14.00	0.0018	0.0366	0.049
			Chrysene	0.0133	0.000086	2750	0.0366	14.00	0.0026	0.0366	0.071
			Dibenzo(a,h)anthracene	0.00128	0.00017	2750	0.0035	14.00	0.0003	0.0366	0.007
			Fluoranthene	0.0245	0.00022	2750	0.0674	14.00	0.0048	0.0366	0.132
			Indeno(1,2,3-Cd)Pyrene	0.00493	0.000086	2750	0.0136	14.00	0.0010	0.0366	0.027
			Pyrene	0.0324	0.00017	2750	0.0891	14.00	0.0064	0.0366	0.174
		LPAH									
			Acenaphthene	0.00382	0.00034	2750	0.0105	14.00	0.0008	0.0366	0.021
			Acenaphthylene	0.00259	0.00034	2750	0.0071	14.00	0.0005	0.0366	0.014
			Anthracene	--	0.00017	2750	0.0013	14.00	0.0001	0.0366	0.003
			Fluorene	0.00639	0.00038	2750	0.0176	14.00	0.0013	0.0366	0.034
			Naphthalene	0.0166	0.00034	2750	0.0457	14.00	0.0033	0.0366	0.089
1/24/12			Phenanthrene	0.0172	0.00034	2750	0.0473	14.00	0.0034	0.0366	0.092
	L54922-4										
		HPAH									
			Benzo(a)anthracene	0.0135	0.00017	2900	0.0392	13.02	0.0030	0.0366	0.082
			Benzo(a)pyrene	0.0115	0.000086	2900	0.0334	13.02	0.0026	0.0366	0.070
			Benzo(b,j,k)fluoranthene	0.0269	0.00017	2900	0.0780	13.02	0.0060	0.0366	0.164
			Benzo(g,h,i)perylene	0.0123	0.000086	2900	0.0357	13.02	0.0027	0.0366	0.075
			Chrysene	0.0241	0.000086	2900	0.0699	13.02	0.0054	0.0366	0.147
			Dibenzo(a,h)anthracene	0.00269	0.00017	2900	0.0078	13.02	0.0006	0.0366	0.016
			Fluoranthene	0.0415	0.00022	2900	0.1204	13.02	0.0092	0.0366	0.253
			Indeno(1,2,3-Cd)Pyrene	0.00839	0.000086	2900	0.0243	13.02	0.0019	0.0366	0.051
			Pyrene	0.0639	0.00017	2900	0.1853	13.02	0.0142	0.0366	0.389
		LPAH									
			Acenaphthene	0.00552	0.00034	2900	0.0160	13.02	0.0012	0.0366	0.034
			Acenaphthylene	0.011	0.00034	2900	0.0319	13.02	0.0025	0.0366	0.067
			Anthracene	0.00628	0.00017	2900	0.0182	13.02	0.0014	0.0366	0.038
			Fluorene	0.0123	0.00038	2900	0.0357	13.02	0.0027	0.0366	0.075
			Naphthalene	0.0263	0.00034	2900	0.0763	13.02	0.0059	0.0366	0.160
			Phenanthrene	0.0572	0.00034	2900	0.1659	13.02	0.0127	0.0366	0.348
2/7/12											

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L54980-4										
		HPAH									
			Benzo(a)anthracene	0.0122	0.0002	2400	0.0293	14.02	0.0021	0.0366	0.057
			Benzo(a)pyrene	0.0119	0.0001	2400	0.0286	14.02	0.0020	0.0366	0.056
			Benzo(b,j,k)fluoranthene	0.0309	0.0002	2400	0.0742	14.02	0.0053	0.0366	0.145
			Benzo(g,h,i)perylene	0.0184	0.0001	2400	0.0442	14.02	0.0031	0.0366	0.086
			Chrysene	0.0271	0.0001	2400	0.0650	14.02	0.0046	0.0366	0.127
			Dibenzo(a,h)anthracene	0.00284	0.0002	2400	0.0068	14.02	0.0005	0.0366	0.013
			Fluoranthene	0.0374	0.00026	2400	0.0898	14.02	0.0064	0.0366	0.175
			Indeno(1,2,3-Cd)Pyrene	0.00985	0.0001	2400	0.0236	14.02	0.0017	0.0366	0.046
			Pyrene	0.0612	0.0002	2400	0.1469	14.02	0.0105	0.0366	0.286
		LPAH									
			Acenaphthene	0.00906	0.0004	2400	0.0217	14.02	0.0016	0.0366	0.042
			Acenaphthylene	0.00723	0.0004	2400	0.0174	14.02	0.0012	0.0366	0.034
			Anthracene	0.00543	0.0002	2400	0.0130	14.02	0.0009	0.0366	0.025
			Fluorene	0.0123	0.00044	2400	0.0295	14.02	0.0021	0.0366	0.058
			Naphthalene	0.0274	0.0004	2400	0.0658	14.02	0.0047	0.0366	0.128
2/22/12			Phenanthrene	0.0364	0.0004	2400	0.0874	14.02	0.0062	0.0366	0.170
	L55079-4										
		HPAH									
			Benzo(a)anthracene	0.0107	0.00024	2050	0.0219	15.01	0.0015	0.0366	0.040
			Benzo(a)pyrene	0.0102	0.00012	2050	0.0209	15.01	0.0014	0.0366	0.038
			Benzo(b,j,k)fluoranthene	0.0281	0.00024	2050	0.0576	15.01	0.0038	0.0366	0.105
			Benzo(g,h,i)perylene	0.0202	0.00012	2050	0.0414	15.01	0.0028	0.0366	0.075
			Chrysene	0.0222	0.00012	2050	0.0455	15.01	0.0030	0.0366	0.083
			Dibenzo(a,h)anthracene	0.00377	0.00024	2050	0.0077	15.01	0.0005	0.0366	0.014
			Fluoranthene	0.0373	0.00031	2050	0.0765	15.01	0.0051	0.0366	0.139
			Indeno(1,2,3-Cd)Pyrene	0.0123	0.00012	2050	0.0252	15.01	0.0017	0.0366	0.046
			Pyrene	0.0269	0.00024	2050	0.0551	15.01	0.0037	0.0366	0.100
		LPAH									
			Acenaphthene	0.00668	0.00048	2050	0.0137	15.01	0.0009	0.0366	0.025
			Acenaphthylene	0.00659	0.00048	2050	0.0135	15.01	0.0009	0.0366	0.025

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Anthracene	--	0.00024	2050	0.0010	15.01	0.0001	0.0366	0.002
			Fluorene	0.0113	0.00052	2050	0.0232	15.01	0.0015	0.0366	0.042
			Naphthalene	0.019	0.00048	2050	0.0390	15.01	0.0026	0.0366	0.071
			Phenanthrene	0.0306	0.00048	2050	0.0627	15.01	0.0042	0.0366	0.114
3/6/12											
	L55159-5										
		HPAH									
			Benzo(a)anthracene	0.014	0.00033	1500	0.0210	12.95	0.0016	0.0366	0.044
			Benzo(a)pyrene	0.0131	0.00017	1500	0.0197	12.95	0.0015	0.0366	0.042
			Benzo(b,j,k)fluoranthene	0.0381	0.00033	1500	0.0572	12.95	0.0044	0.0366	0.121
			Benzo(g,h,i)perylene	0.0244	0.00017	1500	0.0366	12.95	0.0028	0.0366	0.077
			Chrysene	0.0307	0.00017	1500	0.0461	12.95	0.0036	0.0366	0.097
			Dibenzo(a,h)anthracene	0.00365	0.00033	1500	0.0055	12.95	0.0004	0.0366	0.012
			Fluoranthene	0.0565	0.00043	1500	0.0848	12.95	0.0065	0.0366	0.179
			Indeno(1,2,3-Cd)Pyrene	0.0137	0.00017	1500	0.0206	12.95	0.0016	0.0366	0.043
			Pyrene	0.0461	0.00033	1500	0.0692	12.95	0.0053	0.0366	0.146
		LPAH									
			Acenaphthene	0.00839	0.00067	1500	0.0126	12.95	0.0010	0.0366	0.027
			Acenaphthylene	0.0078	0.00067	1500	0.0117	12.95	0.0009	0.0366	0.025
			Anthracene	0.00754	0.00033	1500	0.0113	12.95	0.0009	0.0366	0.024
			Fluorene	0.0129	0.00073	1500	0.0194	12.95	0.0015	0.0366	0.041
			Naphthalene	0.0267	0.00067	1500	0.0401	12.95	0.0031	0.0366	0.085
3/15/12			Phenanthrene	0.0262	0.00067	1500	0.0393	12.95	0.0030	0.0366	0.083
	L55244-4										
		HPAH									
			Benzo(a)anthracene	0.00869	0.00016	3300	0.0287	9.01	0.0032	0.0366	0.087
			Benzo(a)pyrene	0.00987	0.000078	3300	0.0326	9.01	0.0036	0.0366	0.099
			Benzo(b,j,k)fluoranthene	0.0223	0.00016	3300	0.0736	9.01	0.0082	0.0366	0.223
			Benzo(g,h,i)perylene	0.0116	0.000078	3300	0.0383	9.01	0.0042	0.0366	0.116
			Chrysene	0.0162	0.000078	3300	0.0535	9.01	0.0059	0.0366	0.162
			Dibenzo(a,h)anthracene	0.00203	0.00016	3300	0.0067	9.01	0.0007	0.0366	0.020
			Fluoranthene	0.0355	0.0002	3300	0.1172	9.01	0.0130	0.0366	0.355

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Indeno(1,2,3-Cd)Pyrene	0.0073	0.000078	3300	0.0241	9.01	0.0027	0.0366	0.073
			Pyrene	0.024	0.00016	3300	0.0792	9.01	0.0088	0.0366	0.240
		LPAH									
			Acenaphthene	0.0116	0.00031	3300	0.0383	9.01	0.0042	0.0366	0.116
			Acenaphthylene	0.00448	0.00031	3300	0.0148	9.01	0.0016	0.0366	0.045
			Anthracene	0.00405	0.00016	3300	0.0134	9.01	0.0015	0.0366	0.041
			Fluorene	0.015	0.00034	3300	0.0495	9.01	0.0055	0.0366	0.150
			Naphthalene	0.0223	0.00031	3300	0.0736	9.01	0.0082	0.0366	0.223
3/29/12			Phenanthrene	0.0338	0.00031	3300	0.1115	9.01	0.0124	0.0366	0.338
	L55316-5										
		HPAH									
			Benzo(a)anthracene	0.00665	0.00016	3100	0.0206	13.98	0.0015	0.0366	0.040
			Benzo(a)pyrene	0.00598	0.000081	3100	0.0185	13.98	0.0013	0.0366	0.036
			Benzo(b,j,k)fluoranthene	0.0175	0.00016	3100	0.0543	13.98	0.0039	0.0366	0.106
			Benzo(g,h,i)perylene	0.0111	0.000081	3100	0.0344	13.98	0.0025	0.0366	0.067
			Chrysene	0.016	0.000081	3100	0.0496	13.98	0.0035	0.0366	0.097
			Dibenzo(a,h)anthracene	0.00226	0.00016	3100	0.0070	13.98	0.0005	0.0366	0.014
			Fluoranthene	0.0253	0.00021	3100	0.0784	13.98	0.0056	0.0366	0.153
			Indeno(1,2,3-Cd)Pyrene	0.0058	0.000081	3100	0.0180	13.98	0.0013	0.0366	0.035
			Pyrene	0.0217	0.00016	3100	0.0673	13.98	0.0048	0.0366	0.131
		LPAH									
			Acenaphthene	0.00727	0.00032	3100	0.0225	13.98	0.0016	0.0366	0.044
			Acenaphthylene	0.00305	0.00032	3100	0.0095	13.98	0.0007	0.0366	0.019
			Anthracene	0.00288	0.00016	3100	0.0089	13.98	0.0006	0.0366	0.017
			Fluorene	0.00947	0.00035	3100	0.0294	13.98	0.0021	0.0366	0.057
			Naphthalene	0.0129	0.00032	3100	0.0400	13.98	0.0029	0.0366	0.078
			Phenanthrene	0.0331	0.00032	3100	0.1026	13.98	0.0073	0.0366	0.201
4/19/12											
	L55365-4										
		HPAH									
			Benzo(a)anthracene	0.00698	0.00017	2750	0.0192	21.17	0.0009	0.0366	0.025
			Benzo(a)pyrene	0.0072	0.000086	2750	0.0198	21.17	0.0009	0.0366	0.026

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(b,j,k)fluoranthene	0.0193	0.00017	2750	0.0531	21.17	0.0025	0.0366	0.069
			Benzo(g,h,i)perylene	0.0113	0.000086	2750	0.0311	21.17	0.0015	0.0366	0.040
			Chrysene	0.0165	0.000086	2750	0.0454	21.17	0.0021	0.0366	0.059
			Dibenzo(a,h)anthracene	0.00204	0.00017	2750	0.0056	21.17	0.0003	0.0366	0.007
			Fluoranthene	0.0249	0.00022	2750	0.0685	21.17	0.0032	0.0366	0.088
			Indeno(1,2,3-Cd)Pyrene	0.00656	0.000086	2750	0.0180	21.17	0.0009	0.0366	0.023
			Pyrene	0.0274	0.00017	2750	0.0754	21.17	0.0036	0.0366	0.097
		LPAH									
			Acenaphthene	0.00204	0.00034	2750	0.0056	21.17	0.0003	0.0366	0.007
			Acenaphthylene	0.00266	0.00034	2750	0.0073	21.17	0.0003	0.0366	0.009
			Anthracene	0.0031	0.00017	2750	0.0085	21.17	0.0004	0.0366	0.011
			Fluorene	0.00475	0.00038	2750	0.0131	21.17	0.0006	0.0366	0.017
			Naphthalene	0.0138	0.00034	2750	0.0380	21.17	0.0018	0.0366	0.049
			Phenanthrene	0.0174	0.00034	2750	0.0479	21.17	0.0023	0.0366	0.062
5/2/12											
	L55530-8										
		HPAH									
			Benzo(a)anthracene	0.0109	0.00025	1950	0.0213	12.84	0.0017	0.0366	0.045
			Benzo(a)pyrene	0.00696	0.00013	1950	0.0136	12.84	0.0011	0.0366	0.029
			Benzo(b,j,k)fluoranthene	0.0226	0.00025	1950	0.0441	12.84	0.0034	0.0366	0.094
			Benzo(g,h,i)perylene	0.0103	0.00013	1950	0.0201	12.84	0.0016	0.0366	0.043
			Chrysene	0.029	0.00013	1950	0.0566	12.84	0.0044	0.0366	0.120
			Dibenzo(a,h)anthracene	0.00182	0.00025	1950	0.0035	12.84	0.0003	0.0366	0.008
			Fluoranthene	0.0294	0.00033	1950	0.0573	12.84	0.0045	0.0366	0.122
			Indeno(1,2,3-Cd)Pyrene	0.00677	0.00013	1950	0.0132	12.84	0.0010	0.0366	0.028
			Pyrene	0.0257	0.00025	1950	0.0501	12.84	0.0039	0.0366	0.107
		LPAH									
			Acenaphthene	--	0.0005	1950	0.0019	12.84	0.0001	0.0366	0.004
			Acenaphthylene	0.00304	0.0005	1950	0.0059	12.84	0.0005	0.0366	0.013
			Anthracene	0.00623	0.00025	1950	0.0121	12.84	0.0009	0.0366	0.026
			Fluorene	0.00636	0.00055	1950	0.0124	12.84	0.0010	0.0366	0.026
			Naphthalene	0.02	0.0005	1950	0.0390	12.84	0.0030	0.0366	0.083

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
5/31/12			Phenanthrene	0.0238	0.0005	1950	0.0464	12.84	0.0036	0.0366	0.099
	L55594-4										
		HPAH									
			Benzo(a)anthracene	0.0092	0.0019	2700	0.0248	28.99	0.0009	0.0366	0.023
			Benzo(a)pyrene	0.0144	0.00093	2700	0.0389	28.99	0.0013	0.0366	0.037
			Benzo(b,j,k)fluoranthene	0.0303	0.0019	2700	0.0818	28.99	0.0028	0.0366	0.077
			Benzo(g,h,i)perylene	0.0189	0.00093	2700	0.0510	28.99	0.0018	0.0366	0.048
			Chrysene	0.0236	0.00093	2700	0.0637	28.99	0.0022	0.0366	0.060
			Dibenzo(a,h)anthracene	0.0027	0.0019	2700	0.0073	28.99	0.0003	0.0366	0.007
			Fluoranthene	0.0285	0.0024	2700	0.0770	28.99	0.0027	0.0366	0.073
			Indeno(1,2,3-Cd)Pyrene	0.00864	0.00093	2700	0.0233	28.99	0.0008	0.0366	0.022
			Pyrene	0.0393	0.0019	2700	0.1061	28.99	0.0037	0.0366	0.100
		LPAH									
			Acenaphthene	0.0185	0.0037	2700	0.0500	28.99	0.0017	0.0366	0.047
			Acenaphthylene	0.0046	0.0037	2700	0.0124	28.99	0.0004	0.0366	0.012
			Anthracene	0.0089	0.0019	2700	0.0240	28.99	0.0008	0.0366	0.023
			Fluorene	0.014	0.0041	2700	0.0378	28.99	0.0013	0.0366	0.036
			Naphthalene	0.148	0.0037	2700	0.3996	28.99	0.0138	0.0366	0.377
			Phenanthrene	0.037	0.0037	2700	0.0999	28.99	0.0034	0.0366	0.094
6/27/12											
	L55793-4										
		HPAH									
			Benzo(a)anthracene	0.00847	0.00016	3150	0.0267	27.00	0.0010	0.0366	0.027
			Benzo(a)pyrene	0.00811	0.000079	3150	0.0255	27.00	0.0009	0.0366	0.026
			Benzo(b,j,k)fluoranthene	0.0243	0.00016	3150	0.0765	27.00	0.0028	0.0366	0.078
			Benzo(g,h,i)perylene	0.0126	0.000079	3150	0.0397	27.00	0.0015	0.0366	0.040
			Chrysene	0.019	0.000079	3150	0.0599	27.00	0.0022	0.0366	0.061
			Dibenzo(a,h)anthracene	0.00259	0.00016	3150	0.0082	27.00	0.0003	0.0366	0.008
			Fluoranthene	0.0298	0.00021	3150	0.0939	27.00	0.0035	0.0366	0.095
			Indeno(1,2,3-Cd)Pyrene	0.00679	0.000079	3150	0.0214	27.00	0.0008	0.0366	0.022
			Pyrene	0.0227	0.00016	3150	0.0715	27.00	0.0026	0.0366	0.072
		LPAH									

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.0011	0.00032	3150	0.0035	27.00	0.0001	0.0366	0.004
			Acenaphthylene	0.00366	0.00032	3150	0.0115	27.00	0.0004	0.0366	0.012
			Anthracene	0.00576	0.00016	3150	0.0181	27.00	0.0007	0.0366	0.018
			Fluorene	0.002	0.00035	3150	0.0063	27.00	0.0002	0.0366	0.006
			Naphthalene	0.0127	0.00032	3150	0.0400	27.00	0.0015	0.0366	0.041
			Phenanthrene	0.0138	0.00032	3150	0.0435	27.00	0.0016	0.0366	0.044
7/19/12											
	L55963-4										
		HPAH									
			Benzo(a)anthracene	0.0196	0.00063	800	0.0157	21.99	0.0007	0.0366	0.020
			Benzo(a)pyrene	0.0277	0.00031	800	0.0222	21.99	0.0010	0.0366	0.028
			Benzo(b,j,k)fluoranthene	0.07	0.00063	800	0.0560	21.99	0.0025	0.0366	0.070
			Benzo(g,h,i)perylene	0.0459	0.00031	800	0.0367	21.99	0.0017	0.0366	0.046
			Chrysene	0.0563	0.00031	800	0.0450	21.99	0.0020	0.0366	0.056
			Dibenzo(a,h)anthracene	0.00605	0.00063	800	0.0048	21.99	0.0002	0.0366	0.006
			Fluoranthene	0.0625	0.00081	800	0.0500	21.99	0.0023	0.0366	0.062
			Indeno(1,2,3-Cd)Pyrene	0.0206	0.00031	800	0.0165	21.99	0.0007	0.0366	0.021
			Pyrene	0.0574	0.00063	800	0.0459	21.99	0.0021	0.0366	0.057
		LPAH									
			Acenaphthene	0.003	0.0013	800	0.0024	21.99	0.0001	0.0366	0.003
			Acenaphthylene	0.00818	0.0013	800	0.0065	21.99	0.0003	0.0366	0.008
			Anthracene	0.00929	0.00063	800	0.0074	21.99	0.0003	0.0366	0.009
			Fluorene	0.0059	0.0014	800	0.0047	21.99	0.0002	0.0366	0.006
			Naphthalene	0.05	0.0013	800	0.0400	21.99	0.0018	0.0366	0.050
7/19/12			Phenanthrene	0.042	0.0013	800	0.0336	21.99	0.0015	0.0366	0.042
	L55963-5										
		HPAH									
			Benzo(a)anthracene	0.0196	0.00063	800	0.0157	21.99	0.0007	0.0366	0.020
			Benzo(a)pyrene	0.0286	0.00031	800	0.0229	21.99	0.0010	0.0366	0.028
			Benzo(b,j,k)fluoranthene	0.0702	0.00063	800	0.0562	21.99	0.0026	0.0366	0.070
			Benzo(g,h,i)perylene	0.0439	0.00031	800	0.0351	21.99	0.0016	0.0366	0.044
			Chrysene	0.0539	0.00031	800	0.0431	21.99	0.0020	0.0366	0.054

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00591	0.00063	800	0.0047	21.99	0.0002	0.0366	0.006
			Fluoranthene	0.0636	0.00081	800	0.0509	21.99	0.0023	0.0366	0.063
			Indeno(1,2,3-Cd)Pyrene	0.0207	0.00031	800	0.0166	21.99	0.0008	0.0366	0.021
			Pyrene	0.0562	0.00063	800	0.0450	21.99	0.0020	0.0366	0.056
		LPAH									
			Acenaphthene	0.0031	0.0013	800	0.0025	21.99	0.0001	0.0366	0.003
			Acenaphthylene	0.0071	0.0013	800	0.0057	21.99	0.0003	0.0366	0.007
			Anthracene	0.0215	0.00063	800	0.0172	21.99	0.0008	0.0366	0.021
			Fluorene	0.00736	0.0014	800	0.0059	21.99	0.0003	0.0366	0.007
			Naphthalene	0.05	0.0013	800	0.0400	21.99	0.0018	0.0366	0.050
7/26/12			Phenanthrene	0.0439	0.0013	800	0.0351	21.99	0.0016	0.0366	0.044
	L56076-2										
		HPAH									
			Benzo(a)anthracene	0.00816	0.00015	3300	0.0269	7.01	0.0038	0.1642	0.023
			Benzo(a)pyrene	0.0116	0.000076	3300	0.0383	7.01	0.0055	0.1642	0.033
			Benzo(b,j,k)fluoranthene	0.0316	0.00015	3300	0.1043	7.01	0.0149	0.1642	0.091
			Benzo(g,h,i)perylene	0.0164	0.000076	3300	0.0541	7.01	0.0077	0.1642	0.047
			Chrysene	0.0212	0.000076	3300	0.0700	7.01	0.0100	0.1642	0.061
			Dibenzo(a,h)anthracene	0.0033	0.00015	3300	0.0109	7.01	0.0016	0.1642	0.010
			Fluoranthene	0.0298	0.0002	3300	0.0983	7.01	0.0140	0.1642	0.085
			Indeno(1,2,3-Cd)Pyrene	0.00889	0.000076	3300	0.0293	7.01	0.0042	0.1642	0.026
			Pyrene	0.0271	0.00015	3300	0.0894	7.01	0.0128	0.1642	0.078
		LPAH									
			Acenaphthene	0.00331	0.0003	3300	0.0109	7.01	0.0016	0.1642	0.010
			Acenaphthylene	0.00429	0.0003	3300	0.0142	7.01	0.0020	0.1642	0.012
			Anthracene	0.00368	0.00015	3300	0.0121	7.01	0.0017	0.1642	0.011
			Fluorene	0.00572	0.00033	3300	0.0189	7.01	0.0027	0.1642	0.016
			Naphthalene	0.0121	0.0003	3300	0.0399	7.01	0.0057	0.1642	0.035
			Phenanthrene	0.0246	0.0003	3300	0.0812	7.01	0.0116	0.1642	0.071
8/16/12											
	L56171-2										
		HPAH									

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)anthracene	0.187	0.0013	400	0.0748	21.02	0.0036	0.1642	0.022
			Benzo(a)pyrene	0.216	0.00063	400	0.0864	21.02	0.0041	0.1642	0.025
			Benzo(b,j,k)fluoranthene	0.634	0.0013	400	0.2536	21.02	0.0121	0.1642	0.074
			Benzo(g,h,i)perylene	0.224	0.00063	400	0.0896	21.02	0.0043	0.1642	0.026
			Chrysene	0.514	0.00063	400	0.2056	21.02	0.0098	0.1642	0.060
			Dibenzo(a,h)anthracene	0.0372	0.0013	400	0.0149	21.02	0.0007	0.1642	0.004
			Fluoranthene	0.755	0.0016	400	0.3020	21.02	0.0144	0.1642	0.088
			Indeno(1,2,3-Cd)Pyrene	0.131	0.00063	400	0.0524	21.02	0.0025	0.1642	0.015
			Pyrene	0.639	0.0013	400	0.2556	21.02	0.0122	0.1642	0.074
		LPAH									
			Acenaphthene	0.0244	0.0025	400	0.0098	21.02	0.0005	0.1642	0.003
			Acenaphthylene	0.0421	0.0025	400	0.0168	21.02	0.0008	0.1642	0.005
			Anthracene	0.0874	0.0013	400	0.0350	21.02	0.0017	0.1642	0.010
			Fluorene	0.0437	0.0028	400	0.0175	21.02	0.0008	0.1642	0.005
			Naphthalene	0.1	0.0025	400	0.0400	21.02	0.0019	0.1642	0.012
			Phenanthrene	0.447	0.0025	400	0.1788	21.02	0.0085	0.1642	0.052
9/6/12											
	L56292-2										
		HPAH									
			Benzo(a)anthracene	0.298	0.0013	400	0.1192	21.20	0.0056	0.1642	0.034
			Benzo(a)pyrene	0.314	0.00063	400	0.1256	21.20	0.0059	0.1642	0.036
			Benzo(b,j,k)fluoranthene	0.898	0.0013	400	0.3592	21.20	0.0169	0.1642	0.103
			Benzo(g,h,i)perylene	0.322	0.00063	400	0.1288	21.20	0.0061	0.1642	0.037
			Chrysene	0.768	0.00063	400	0.3072	21.20	0.0145	0.1642	0.088
			Dibenzo(a,h)anthracene	0.0688	0.0013	400	0.0275	21.20	0.0013	0.1642	0.008
			Fluoranthene	1.34	0.0016	400	0.5360	21.20	0.0253	0.1642	0.154
			Indeno(1,2,3-Cd)Pyrene	0.201	0.00063	400	0.0804	21.20	0.0038	0.1642	0.023
			Pyrene	1.01	0.0013	400	0.4040	21.20	0.0191	0.1642	0.116
		LPAH									
			Acenaphthene	0.0287	0.0025	400	0.0115	21.20	0.0005	0.1642	0.003
			Acenaphthylene	0.0638	0.0025	400	0.0255	21.20	0.0012	0.1642	0.007
			Anthracene	0.151	0.0013	400	0.0604	21.20	0.0028	0.1642	0.017

Table C-10. PAHs Flux Calculations for Duwamish Station (CER)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Fluorene	0.0549	0.0028	400	0.0220	21.20	0.0010	0.1642	0.006
			Naphthalene	0.1	0.0025	400	0.0400	21.20	0.0019	0.1642	0.012
			Phenanthrene	0.732	0.0025	400	0.2928	21.20	0.0138	0.1642	0.084
10/10/12											
	L56386-2										
		HPAH									
			Benzo(a)anthracene	1.8	0.0063	400	0.7200	27.15	0.0265	0.1642	0.162
			Benzo(a)pyrene	2.39	0.0031	400	0.9560	27.15	0.0352	0.1642	0.215
			Benzo(b,j,k)fluoranthene	4.5	0.0063	400	1.8000	27.15	0.0663	0.1642	0.404
			Benzo(g,h,i)perylene	1.55	0.0031	400	0.6200	27.15	0.0228	0.1642	0.139
			Chrysene	3.09	0.0031	400	1.2360	27.15	0.0455	0.1642	0.277
			Dibenzo(a,h)anthracene	0.473	0.0063	400	0.1892	27.15	0.0070	0.1642	0.042
			Fluoranthene	4.86	0.0081	400	1.9440	27.15	0.0716	0.1642	0.436
			Indeno(1,2,3-Cd)Pyrene	1.26	0.0031	400	0.5040	27.15	0.0186	0.1642	0.113
			Pyrene	4.69	0.0063	400	1.8760	27.15	0.0691	0.1642	0.421
		LPAH									
			Acenaphthene	0.286	0.013	400	0.1144	27.15	0.0042	0.1642	0.026
			Acenaphthylene	0.45	0.013	400	0.1800	27.15	0.0066	0.1642	0.040
			Anthracene	0.806	0.0063	400	0.3224	27.15	0.0119	0.1642	0.072
			Fluorene	0.508	0.014	400	0.2032	27.15	0.0075	0.1642	0.046
			Naphthalene	0.5	0.013	400	0.2000	27.15	0.0074	0.1642	0.045
			Phenanthrene	3.92	0.013	400	1.5680	27.15	0.0578	0.1642	0.352

-- Not Detected

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
8/25/11											
	L53760-13										
		HPAH									
			Benzo(a)anthracene	0.103	0.00083	600	0.0618	28.9	0.0021	0.1642	0.013
			Benzo(a)pyrene	0.169	0.00042	600	0.1014	28.9	0.0035	0.1642	0.021
			Benzo(b,j,k)fluoranthene	0.445	0.00083	600	0.2670	28.9	0.0092	0.1642	0.056
			Benzo(g,h,i)perylene	0.174	0.00042	600	0.1044	28.9	0.0036	0.1642	0.022
			Chrysene	0.273	0.00042	600	0.1638	28.9	0.0057	0.1642	0.035
			Dibenzo(a,h)anthracene	0.0373	0.00083	600	0.0224	28.9	0.0008	0.1642	0.005
			Fluoranthene	0.403	0.0011	600	0.2418	28.9	0.0084	0.1642	0.051
			Indeno(1,2,3-Cd)Pyrene	0.128	0.00042	600	0.0768	28.9	0.0027	0.1642	0.016
			Pyrene	0.332	0.00083	600	0.1992	28.9	0.0069	0.1642	0.042
		LPAH									
			Acenaphthene	0.007	0.0017	600	0.0042	28.9	0.0001	0.1642	0.001
			Acenaphthylene	0.0248	0.0017	600	0.0149	28.9	0.0005	0.1642	0.003
			Anthracene	0.0307	0.00083	600	0.0184	28.9	0.0006	0.1642	0.004
			Fluorene	0.02	0.0018	600	0.0120	28.9	0.0004	0.1642	0.003
			Naphthalene	0.0667	0.0017	600	0.0400	28.9	0.0014	0.1642	0.008
			Phenanthrene	0.233	0.0017	600	0.1398	28.9	0.0048	0.1642	0.030
9/21/11											
	L53845-7										
		HPAH									
			Benzo(a)anthracene	0.0228	0.00023	2150	0.0490	27.0	0.0018	0.1642	0.011
			Benzo(a)pyrene	0.0501	0.00012	2150	0.1077	27.0	0.0040	0.1642	0.024
			Benzo(b,j,k)fluoranthene	0.165	0.00023	2150	0.3548	27.0	0.0131	0.1642	0.080
			Benzo(g,h,i)perylene	0.0634	0.00012	2150	0.1363	27.0	0.0051	0.1642	0.031
			Chrysene	0.11	0.00012	2150	0.2365	27.0	0.0088	0.1642	0.053
			Dibenzo(a,h)anthracene	0.0155	0.00023	2150	0.0333	27.0	0.0012	0.1642	0.008
			Fluoranthene	0.153	0.0003	2150	0.3290	27.0	0.0122	0.1642	0.074
			Indeno(1,2,3-Cd)Pyrene	0.0441	0.00012	2150	0.0948	27.0	0.0035	0.1642	0.021
			Pyrene	0.138	0.00023	2150	0.2967	27.0	0.0110	0.1642	0.067
		LPAH									

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.00485	0.00047	2150	0.0104	27.0	0.0004	0.1642	0.002
			Acenaphthylene	0.00817	0.00047	2150	0.0176	27.0	0.0007	0.1642	0.004
			Anthracene	0.0117	0.00023	2150	0.0252	27.0	0.0009	0.1642	0.006
			Fluorene	0.00863	0.00051	2150	0.0186	27.0	0.0007	0.1642	0.004
			Naphthalene	0.0186	0.00047	2150	0.0400	27.0	0.0015	0.1642	0.009
9/29/11			Phenanthrene	0.0709	0.00047	2150	0.1524	27.0	0.0056	0.1642	0.034
	L54175-11										
		HPAH									
			Benzo(a)anthracene	0.00875	0.00013	3700	0.0324	8.0	0.0040	0.1642	0.025
			Benzo(a)pyrene	0.011	0.000067	3700	0.0407	8.0	0.0051	0.1642	0.031
			Benzo(b,j,k)fluoranthene	0.0327	0.00013	3700	0.1210	8.0	0.0151	0.1642	0.092
			Benzo(g,h,i)perylene	0.00866	0.000067	3700	0.0320	8.0	0.0040	0.1642	0.024
			Chrysene	0.0188	0.000067	3700	0.0696	8.0	0.0087	0.1642	0.053
			Dibenzo(a,h)anthracene	0.00275	0.00013	3700	0.0102	8.0	0.0013	0.1642	0.008
			Fluoranthene	0.0379	0.00017	3700	0.1402	8.0	0.0175	0.1642	0.107
			Indeno(1,2,3-Cd)Pyrene	0.00654	0.000067	3700	0.0242	8.0	0.0030	0.1642	0.018
			Pyrene	0.0312	0.00013	3700	0.1154	8.0	0.0144	0.1642	0.088
		LPAH									
			Acenaphthene	0.00163	0.00027	3700	0.0060	8.0	0.0008	0.1642	0.005
			Acenaphthylene	0.0026	0.00027	3700	0.0096	8.0	0.0012	0.1642	0.007
			Anthracene	0.00296	0.00013	3700	0.0110	8.0	0.0014	0.1642	0.008
			Fluorene	0.00345	0.00029	3700	0.0128	8.0	0.0016	0.1642	0.010
			Naphthalene	0.0107	0.00027	3700	0.0396	8.0	0.0049	0.1642	0.030
			Phenanthrene	0.0229	0.00027	3700	0.0847	8.0	0.0106	0.1642	0.064
10/19/11											
	L54294-9										
		HPAH									
			Benzo(a)anthracene	0.0109	0.00025	2000	0.0218	19.9	0.0011	0.0366	0.030
			Benzo(a)pyrene	0.0136	0.00013	2000	0.0272	19.9	0.0014	0.0366	0.037
			Benzo(b,j,k)fluoranthene	0.0366	0.00025	2000	0.0732	19.9	0.0037	0.0366	0.101
			Benzo(g,h,i)perylene	0.0105	0.00013	2000	0.0210	19.9	0.0011	0.0366	0.029
			Chrysene	0.0222	0.00013	2000	0.0444	19.9	0.0022	0.0366	0.061

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00236	0.00025	2000	0.0047	19.9	0.0002	0.0366	0.007
			Fluoranthene	0.0383	0.00033	2000	0.0766	19.9	0.0038	0.0366	0.105
			Indeno(1,2,3-Cd)Pyrene	0.00775	0.00013	2000	0.0155	19.9	0.0008	0.0366	0.021
			Pyrene	0.0309	0.00025	2000	0.0618	19.9	0.0031	0.0366	0.085
		LPAH									
			Acenaphthene	0.0025	0.0005	2000	0.0050	19.9	0.0003	0.0366	0.007
			Acenaphthylene	0.0021	0.0005	2000	0.0042	19.9	0.0002	0.0366	0.006
			Anthracene	0.00339	0.00025	2000	0.0068	19.9	0.0003	0.0366	0.009
			Fluorene	0.00404	0.00055	2000	0.0081	19.9	0.0004	0.0366	0.011
			Naphthalene	0.02	0.0005	2000	0.0400	19.9	0.0020	0.0366	0.055
			Phenanthrene	0.0155	0.0005	2000	0.0310	19.9	0.0016	0.0366	0.043
11/2/11											
	L54414-7										
		HPAH									
			Benzo(a)anthracene	0.00962	0.00033	1400	0.0135	14.0	0.0010	0.0366	0.026
			Benzo(a)pyrene	0.01	0.00017	1400	0.0140	14.0	0.0010	0.0366	0.027
			Benzo(b,j,k)fluoranthene	0.0257	0.00033	1400	0.0360	14.0	0.0026	0.0366	0.070
			Benzo(g,h,i)perylene	0.013	0.00017	1400	0.0182	14.0	0.0013	0.0366	0.035
			Chrysene	0.0224	0.00017	1400	0.0314	14.0	0.0022	0.0366	0.061
			Dibenzo(a,h)anthracene	0.00263	0.00033	1400	0.0037	14.0	0.0003	0.0366	0.007
			Fluoranthene	0.035	0.00043	1400	0.0490	14.0	0.0035	0.0366	0.095
			Indeno(1,2,3-Cd)Pyrene	0.00857	0.00017	1400	0.0120	14.0	0.0009	0.0366	0.023
			Pyrene	0.0267	0.00033	1400	0.0374	14.0	0.0027	0.0366	0.073
		LPAH									
			Acenaphthene	0.0017	0.00067	1400	0.0024	14.0	0.0002	0.0366	0.005
			Acenaphthylene	0.00338	0.00067	1400	0.0047	14.0	0.0003	0.0366	0.009
			Anthracene	0.0312	0.00033	1400	0.0437	14.0	0.0031	0.0366	0.085
			Fluorene	0.00371	0.00073	1400	0.0052	14.0	0.0004	0.0366	0.010
			Naphthalene	0.0267	0.00067	1400	0.0374	14.0	0.0027	0.0366	0.073
11/16/11			Phenanthrene	0.025	0.00067	1400	0.0350	14.0	0.0025	0.0366	0.068
	L54542-9										
		HPAH									

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)anthracene	0.0051	0.00031	1475	0.0075	14.0	0.0005	0.0366	0.015
			Benzo(a)pyrene	0.0079	0.00016	1475	0.0117	14.0	0.0008	0.0366	0.023
			Benzo(b,j,k)fluoranthene	0.0192	0.00031	1475	0.0283	14.0	0.0020	0.0366	0.055
			Benzo(g,h,i)perylene	0.0105	0.00016	1475	0.0155	14.0	0.0011	0.0366	0.030
			Chrysene	0.0129	0.00016	1475	0.0190	14.0	0.0014	0.0366	0.037
			Dibenzo(a,h)anthracene	0.00184	0.00031	1475	0.0027	14.0	0.0002	0.0366	0.005
			Fluoranthene	0.0262	0.00041	1475	0.0386	14.0	0.0028	0.0366	0.076
			Indeno(1,2,3-Cd)Pyrene	0.00684	0.00016	1475	0.0101	14.0	0.0007	0.0366	0.020
			Pyrene	0.0206	0.00031	1475	0.0304	14.0	0.0022	0.0366	0.059
		LPAH									
			Acenaphthene	0.0014	0.00063	1475	0.0021	14.0	0.0001	0.0366	0.004
			Acenaphthylene	0.0031	0.00063	1475	0.0046	14.0	0.0003	0.0366	0.009
			Anthracene	0.00165	0.00031	1475	0.0024	14.0	0.0002	0.0366	0.005
			Fluorene	0.003	0.00069	1475	0.0044	14.0	0.0003	0.0366	0.009
			Naphthalene	0.025	0.00063	1475	0.0369	14.0	0.0026	0.0366	0.072
11/23/11			Phenanthrene	0.018	0.00063	1475	0.0266	14.0	0.0019	0.0366	0.052
	L54658-7										
		HPAH									
			Benzo(a)anthracene	0.00113	0.00012	4000	0.0045	7.1	0.0006	0.0366	0.017
			Benzo(a)pyrene	0.00132	0.000061	4000	0.0053	7.1	0.0007	0.0366	0.020
			Benzo(b,j,k)fluoranthene	0.00399	0.00012	4000	0.0160	7.1	0.0023	0.0366	0.062
			Benzo(g,h,i)perylene	0.0017	0.000061	4000	0.0068	7.1	0.0010	0.0366	0.026
			Chrysene	0.00282	0.000061	4000	0.0113	7.1	0.0016	0.0366	0.044
			Dibenzo(a,h)anthracene	0.00035	0.00012	4000	0.0014	7.1	0.0002	0.0366	0.005
			Fluoranthene	0.00954	0.00016	4000	0.0382	7.1	0.0054	0.0366	0.147
			Indeno(1,2,3-Cd)Pyrene	0.00132	0.000061	4000	0.0053	7.1	0.0007	0.0366	0.020
			Pyrene	0.00693	0.00012	4000	0.0277	7.1	0.0039	0.0366	0.107
		LPAH									
			Acenaphthene	0.0012	0.00024	4000	0.0048	7.1	0.0007	0.0366	0.019
			Acenaphthylene	0.00265	0.00024	4000	0.0106	7.1	0.0015	0.0366	0.041
			Anthracene	0.00053	0.00012	4000	0.0021	7.1	0.0003	0.0366	0.008
			Fluorene	0.00272	0.00027	4000	0.0109	7.1	0.0015	0.0366	0.042

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Naphthalene	0.00976	0.00024	4000	0.0390	7.1	0.0055	0.0366	0.151
11/29/11			Phenanthrene	0.0125	0.00024	4000	0.0500	7.1	0.0071	0.0366	0.193
	L54697-7										
		HPAH									
			Benzo(a)anthracene	0.00223	0.00033	1400	0.0031	6.0	0.0005	0.0366	0.014
			Benzo(a)pyrene	0.00268	0.00017	1400	0.0038	6.0	0.0006	0.0366	0.017
			Benzo(b,j,k)fluoranthene	0.00757	0.00033	1400	0.0106	6.0	0.0018	0.0366	0.048
			Benzo(g,h,i)perylene	0.00412	0.00017	1400	0.0058	6.0	0.0010	0.0366	0.026
			Chrysene	0.00444	0.00017	1400	0.0062	6.0	0.0010	0.0366	0.028
			Dibenzo(a,h)anthracene	0.00073	0.00033	1400	0.0010	6.0	0.0002	0.0366	0.005
			Fluoranthene	0.00952	0.00043	1400	0.0133	6.0	0.0022	0.0366	0.061
			Indeno(1,2,3-Cd)Pyrene	0.003	0.00017	1400	0.0042	6.0	0.0007	0.0366	0.019
			Pyrene	0.00774	0.00033	1400	0.0108	6.0	0.0018	0.0366	0.049
		LPAH									
			Acenaphthene	0.0012	0.00067	1400	0.0017	6.0	0.0003	0.0366	0.008
			Acenaphthylene	0.0023	0.00067	1400	0.0032	6.0	0.0005	0.0366	0.015
			Anthracene	0.00064	0.00033	1400	0.0009	6.0	0.0001	0.0366	0.004
			Fluorene	0.0025	0.00073	1400	0.0035	6.0	0.0006	0.0366	0.016
			Naphthalene	0.0267	0.00067	1400	0.0374	6.0	0.0062	0.0366	0.171
			Phenanthrene	0.0114	0.00067	1400	0.0160	6.0	0.0027	0.0366	0.073
12/28/11											
	L54719-9										
		HPAH									
			Benzo(a)anthracene	0.0134	0.00031	1550	0.0208	28.9	0.0007	0.0366	0.020
			Benzo(a)pyrene	0.0137	0.00016	1550	0.0212	28.9	0.0007	0.0366	0.020
			Benzo(b,j,k)fluoranthene	0.0412	0.00031	1550	0.0639	28.9	0.0022	0.0366	0.060
			Benzo(g,h,i)perylene	0.0253	0.00016	1550	0.0392	28.9	0.0014	0.0366	0.037
			Chrysene	0.0382	0.00016	1550	0.0592	28.9	0.0020	0.0366	0.056
			Dibenzo(a,h)anthracene	0.00419	0.00031	1550	0.0065	28.9	0.0002	0.0366	0.006
			Fluoranthene	0.0515	0.00041	1550	0.0798	28.9	0.0028	0.0366	0.075
			Indeno(1,2,3-Cd)Pyrene	0.0148	0.00016	1550	0.0229	28.9	0.0008	0.0366	0.022
			Pyrene	0.0603	0.00031	1550	0.0935	28.9	0.0032	0.0366	0.088

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		LPAH									
			Acenaphthene	--	0.00063	1550	0.0015	28.9	0.0001	0.0366	0.001
			Acenaphthylene	0.0114	0.00063	1550	0.0177	28.9	0.0006	0.0366	0.017
			Anthracene	0.00386	0.00031	1550	0.0060	28.9	0.0002	0.0366	0.006
			Fluorene	0.0065	0.00069	1550	0.0101	28.9	0.0003	0.0366	0.010
			Naphthalene	0.025	0.00063	1550	0.0388	28.9	0.0013	0.0366	0.037
			Phenanthrene	0.0385	0.00063	1550	0.0597	28.9	0.0021	0.0366	0.056
1/11/12											
	L54845-9										
		HPAH									
			Benzo(a)anthracene	0.00371	0.00021	2350	0.0087	14.0	0.0006	0.0366	0.017
			Benzo(a)pyrene	0.00354	0.0001	2350	0.0083	14.0	0.0006	0.0366	0.016
			Benzo(b,j,k)fluoranthene	0.0107	0.00021	2350	0.0251	14.0	0.0018	0.0366	0.049
			Benzo(g,h,i)perylene	0.00582	0.0001	2350	0.0137	14.0	0.0010	0.0366	0.027
			Chrysene	0.0116	0.0001	2350	0.0273	14.0	0.0020	0.0366	0.053
			Dibenzo(a,h)anthracene	0.00114	0.00021	2350	0.0027	14.0	0.0002	0.0366	0.005
			Fluoranthene	0.0184	0.00027	2350	0.0432	14.0	0.0031	0.0366	0.085
			Indeno(1,2,3-Cd)Pyrene	0.00388	0.0001	2350	0.0091	14.0	0.0007	0.0366	0.018
			Pyrene	0.0186	0.00021	2350	0.0437	14.0	0.0031	0.0366	0.086
		LPAH									
			Acenaphthene	0.0017	0.00042	2350	0.0040	14.0	0.0003	0.0366	0.008
			Acenaphthylene	0.00376	0.00042	2350	0.0088	14.0	0.0006	0.0366	0.017
			Anthracene	0.00076	0.00021	2350	0.0018	14.0	0.0001	0.0366	0.004
			Fluorene	0.0037	0.00046	2350	0.0087	14.0	0.0006	0.0366	0.017
			Naphthalene	0.0167	0.00042	2350	0.0392	14.0	0.0028	0.0366	0.077
1/24/12			Phenanthrene	0.0229	0.00042	2350	0.0538	14.0	0.0039	0.0366	0.105
	L54922-7										
		HPAH									
			Benzo(a)anthracene	0.00313	0.00019	2600	0.0081	13.0	0.0006	0.0366	0.017
			Benzo(a)pyrene	--	0.000096	2600	0.0006	13.0	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.0133	0.00019	2600	0.0346	13.0	0.0027	0.0366	0.073
			Benzo(g,h,i)perylene	0.00512	0.000096	2600	0.0133	13.0	0.0010	0.0366	0.028

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Chrysene	0.0137	0.000096	2600	0.0356	13.0	0.0027	0.0366	0.075
			Dibenzo(a,h)anthracene	0.000982	0.00019	2600	0.0026	13.0	0.0002	0.0366	0.005
			Fluoranthene	0.0324	0.00025	2600	0.0842	13.0	0.0065	0.0366	0.177
			Indeno(1,2,3-Cd)Pyrene	0.00374	0.000096	2600	0.0097	13.0	0.0007	0.0366	0.020
			Pyrene	0.0353	0.00019	2600	0.0918	13.0	0.0070	0.0366	0.193
		LPAH									
			Acenaphthene	0.00195	0.00038	2600	0.0051	13.0	0.0004	0.0366	0.011
			Acenaphthylene	0.00348	0.00038	2600	0.0090	13.0	0.0007	0.0366	0.019
			Anthracene	--	0.00019	2600	0.0013	13.0	0.0001	0.0366	0.003
			Fluorene	0.00744	0.00042	2600	0.0193	13.0	0.0015	0.0366	0.041
			Naphthalene	0.0154	0.00038	2600	0.0400	13.0	0.0031	0.0366	0.084
			Phenanthrene	0.0417	0.00038	2600	0.1084	13.0	0.0083	0.0366	0.227
2/7/12											
	L54980-8										
		HPAH									
			Benzo(a)anthracene	0.00603	0.00026	1800	0.0109	14.0	0.0008	0.0366	0.021
			Benzo(a)pyrene	0.00665	0.00013	1800	0.0120	14.0	0.0009	0.0366	0.023
			Benzo(b,j,k)fluoranthene	0.0182	0.00026	1800	0.0328	14.0	0.0023	0.0366	0.064
			Benzo(g,h,i)perylene	0.009	0.00013	1800	0.0162	14.0	0.0012	0.0366	0.032
			Chrysene	0.0166	0.00013	1800	0.0299	14.0	0.0021	0.0366	0.058
			Dibenzo(a,h)anthracene	0.00154	0.00026	1800	0.0028	14.0	0.0002	0.0366	0.005
			Fluoranthene	0.0329	0.00034	1800	0.0592	14.0	0.0042	0.0366	0.115
			Indeno(1,2,3-Cd)Pyrene	0.00538	0.00013	1800	0.0097	14.0	0.0007	0.0366	0.019
			Pyrene	0.0396	0.00026	1800	0.0713	14.0	0.0051	0.0366	0.139
		LPAH									
			Acenaphthene	0.00263	0.00053	1800	0.0047	14.0	0.0003	0.0366	0.009
			Acenaphthylene	0.00679	0.00053	1800	0.0122	14.0	0.0009	0.0366	0.024
			Anthracene	0.00268	0.00026	1800	0.0048	14.0	0.0003	0.0366	0.009
			Fluorene	0.00717	0.00058	1800	0.0129	14.0	0.0009	0.0366	0.025
			Naphthalene	0.0211	0.00053	1800	0.0380	14.0	0.0027	0.0366	0.074
2/22/12			Phenanthrene	0.0317	0.00053	1800	0.0571	14.0	0.0041	0.0366	0.111
	L55079-7										

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		HPAH									
			Benzo(a)anthracene	0.00384	0.0002	2500	0.0096	15.0	0.0006	0.0366	0.018
			Benzo(a)pyrene	0.00412	0.0001	2500	0.0103	15.0	0.0007	0.0366	0.019
			Benzo(b,j,k)fluoranthene	0.0135	0.0002	2500	0.0338	15.0	0.0022	0.0366	0.061
			Benzo(g,h,i)perylene	0.00982	0.0001	2500	0.0246	15.0	0.0016	0.0366	0.045
			Chrysene	0.00916	0.0001	2500	0.0229	15.0	0.0015	0.0366	0.042
			Dibenzo(a,h)anthracene	0.00158	0.0002	2500	0.0040	15.0	0.0003	0.0366	0.007
			Fluoranthene	0.0156	0.00026	2500	0.0390	15.0	0.0026	0.0366	0.071
			Indeno(1,2,3-Cd)Pyrene	0.00675	0.0001	2500	0.0169	15.0	0.0011	0.0366	0.031
			Pyrene	0.011	0.0002	2500	0.0275	15.0	0.0018	0.0366	0.050
		LPAH									
			Acenaphthene	0.0021	0.0004	2500	0.0053	15.0	0.0003	0.0366	0.010
			Acenaphthylene	0.00542	0.0004	2500	0.0136	15.0	0.0009	0.0366	0.025
			Anthracene	--	0.0002	2500	0.0013	15.0	0.0001	0.0366	0.002
			Fluorene	0.00575	0.00044	2500	0.0144	15.0	0.0010	0.0366	0.026
			Naphthalene	0.016	0.0004	2500	0.0400	15.0	0.0027	0.0366	0.073
			Phenanthrene	0.0169	0.0004	2500	0.0423	15.0	0.0028	0.0366	0.077
3/6/12											
	L55159-8										
		HPAH									
			Benzo(a)anthracene	0.00588	0.00031	1600	0.0094	13.0	0.0007	0.0366	0.020
			Benzo(a)pyrene	0.0069	0.00016	1600	0.0110	13.0	0.0009	0.0366	0.023
			Benzo(b,j,k)fluoranthene	0.0179	0.00031	1600	0.0286	13.0	0.0022	0.0366	0.060
			Benzo(g,h,i)perylene	0.0111	0.00016	1600	0.0178	13.0	0.0014	0.0366	0.038
			Chrysene	0.0133	0.00016	1600	0.0213	13.0	0.0016	0.0366	0.045
			Dibenzo(a,h)anthracene	0.00209	0.00031	1600	0.0033	13.0	0.0003	0.0366	0.007
			Fluoranthene	0.0269	0.00041	1600	0.0430	13.0	0.0033	0.0366	0.091
			Indeno(1,2,3-Cd)Pyrene	0.00694	0.00016	1600	0.0111	13.0	0.0009	0.0366	0.023
			Pyrene	0.0195	0.00031	1600	0.0312	13.0	0.0024	0.0366	0.066
		LPAH									
			Acenaphthene	0.0016	0.00063	1600	0.0026	13.0	0.0002	0.0366	0.005
			Acenaphthylene	0.00424	0.00063	1600	0.0068	13.0	0.0005	0.0366	0.014

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Anthracene	0.00188	0.00031	1600	0.0030	13.0	0.0002	0.0366	0.006
			Fluorene	0.00538	0.00069	1600	0.0086	13.0	0.0007	0.0366	0.018
			Naphthalene	0.025	0.00063	1600	0.0400	13.0	0.0031	0.0366	0.084
3/15/12			Phenanthrene	0.0212	0.00063	1600	0.0339	13.0	0.0026	0.0366	0.072
	L55244-7										
		HPAH									
			Benzo(a)anthracene	0.0026	0.00014	3300	0.0086	9.0	0.0010	0.0366	0.026
			Benzo(a)pyrene	0.0027	0.000071	3300	0.0089	9.0	0.0010	0.0366	0.027
			Benzo(b,j,k)fluoranthene	0.00895	0.00014	3300	0.0295	9.0	0.0033	0.0366	0.090
			Benzo(g,h,i)perylene	0.0043	0.000071	3300	0.0142	9.0	0.0016	0.0366	0.043
			Chrysene	0.00693	0.000071	3300	0.0229	9.0	0.0025	0.0366	0.069
			Dibenzo(a,h)anthracene	0.000733	0.00014	3300	0.0024	9.0	0.0003	0.0366	0.007
			Fluoranthene	0.0147	0.00019	3300	0.0485	9.0	0.0054	0.0366	0.147
			Indeno(1,2,3-Cd)Pyrene	0.00287	0.000071	3300	0.0095	9.0	0.0011	0.0366	0.029
			Pyrene	0.00916	0.00014	3300	0.0302	9.0	0.0034	0.0366	0.092
		LPAH									
			Acenaphthene	0.001	0.00029	3300	0.0033	9.0	0.0004	0.0366	0.010
			Acenaphthylene	0.00352	0.00029	3300	0.0116	9.0	0.0013	0.0366	0.035
			Anthracene	0.00105	0.00014	3300	0.0035	9.0	0.0004	0.0366	0.011
			Fluorene	0.00353	0.00031	3300	0.0116	9.0	0.0013	0.0366	0.035
			Naphthalene	0.0114	0.00029	3300	0.0376	9.0	0.0042	0.0366	0.114
			Phenanthrene	0.0167	0.00029	3300	0.0551	9.0	0.0061	0.0366	0.167
4/19/12											
	L55365-7										
		HPAH									
			Benzo(a)anthracene	--	0.00019	2650	0.0013	21.1	0.0001	0.0366	0.002
			Benzo(a)pyrene	0.00318	0.000093	2650	0.0084	21.1	0.0004	0.0366	0.011
			Benzo(b,j,k)fluoranthene	0.0106	0.00019	2650	0.0281	21.1	0.0013	0.0366	0.036
			Benzo(g,h,i)perylene	0.00584	0.000093	2650	0.0155	21.1	0.0007	0.0366	0.020
			Chrysene	0.00396	0.000093	2650	0.0105	21.1	0.0005	0.0366	0.014
			Dibenzo(a,h)anthracene	0.00096	0.00019	2650	0.0025	21.1	0.0001	0.0366	0.003
			Fluoranthene	0.0124	0.00024	2650	0.0329	21.1	0.0016	0.0366	0.043

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Indeno(1,2,3-Cd)Pyrene	0.00316	0.000093	2650	0.0084	21.1	0.0004	0.0366	0.011
			Pyrene	0.0133	0.00019	2650	0.0352	21.1	0.0017	0.0366	0.046
		LPAH									
			Acenaphthene	0.00192	0.00037	2650	0.0051	21.1	0.0002	0.0366	0.007
			Acenaphthylene	0.0017	0.00037	2650	0.0045	21.1	0.0002	0.0366	0.006
			Anthracene	--	0.00019	2650	0.0013	21.1	0.0001	0.0366	0.002
			Fluorene	0.00389	0.00041	2650	0.0103	21.1	0.0005	0.0366	0.013
			Naphthalene	0.0148	0.00037	2650	0.0392	21.1	0.0019	0.0366	0.051
			Phenanthrene	0.0185	0.00037	2650	0.0490	21.1	0.0023	0.0366	0.063
5/2/12											
	L55530-11										
		HPAH									
			Benzo(a)anthracene	0.00338	0.00025	2000	0.0068	13.1	0.0005	0.0366	0.014
			Benzo(a)pyrene	0.00288	0.00013	2000	0.0058	13.1	0.0004	0.0366	0.012
			Benzo(b,j,k)fluoranthene	0.00979	0.00025	2000	0.0196	13.1	0.0015	0.0366	0.041
			Benzo(g,h,i)perylene	0.00418	0.00013	2000	0.0084	13.1	0.0006	0.0366	0.018
			Chrysene	0.00999	0.00013	2000	0.0200	13.1	0.0015	0.0366	0.042
			Dibenzo(a,h)anthracene	0.00071	0.00025	2000	0.0014	13.1	0.0001	0.0366	0.003
			Fluoranthene	0.0119	0.00033	2000	0.0238	13.1	0.0018	0.0366	0.050
			Indeno(1,2,3-Cd)Pyrene	0.00266	0.00013	2000	0.0053	13.1	0.0004	0.0366	0.011
			Pyrene	0.00938	0.00025	2000	0.0188	13.1	0.0014	0.0366	0.039
		LPAH									
			Acenaphthene	0.0011	0.0005	2000	0.0022	13.1	0.0002	0.0366	0.005
			Acenaphthylene	--	0.0005	2000	0.0020	13.1	0.0002	0.0366	0.004
			Anthracene	0.001	0.00025	2000	0.0020	13.1	0.0002	0.0366	0.004
			Fluorene	0.002	0.00055	2000	0.0040	13.1	0.0003	0.0366	0.008
			Naphthalene	0.02	0.0005	2000	0.0400	13.1	0.0031	0.0366	0.084
5/31/12			Phenanthrene	0.0119	0.0005	2000	0.0238	13.1	0.0018	0.0366	0.050
	L55594-7										
		HPAH									
			Benzo(a)anthracene	0.00735	0.00019	2600	0.0191	28.8	0.0007	0.0366	0.018
			Benzo(a)pyrene	0.0096	0.000096	2600	0.0250	28.8	0.0009	0.0366	0.024

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(b,j,k)fluoranthene	0.0221	0.00019	2600	0.0575	28.8	0.0020	0.0366	0.055
			Benzo(g,h,i)perylene	0.00934	0.000096	2600	0.0243	28.8	0.0008	0.0366	0.023
			Chrysene	0.0154	0.000096	2600	0.0400	28.8	0.0014	0.0366	0.038
			Dibenzo(a,h)anthracene	0.00181	0.00019	2600	0.0047	28.8	0.0002	0.0366	0.005
			Fluoranthene	0.0193	0.00025	2600	0.0502	28.8	0.0017	0.0366	0.048
			Indeno(1,2,3-Cd)Pyrene	0.00671	0.000096	2600	0.0174	28.8	0.0006	0.0366	0.017
			Pyrene	0.0181	0.00019	2600	0.0471	28.8	0.0016	0.0366	0.045
		LPAH									
			Acenaphthene	0.00245	0.00038	2600	0.0064	28.8	0.0002	0.0366	0.006
			Acenaphthylene	0.00255	0.00038	2600	0.0066	28.8	0.0002	0.0366	0.006
			Anthracene	0.00507	0.00019	2600	0.0132	28.8	0.0005	0.0366	0.013
			Fluorene	0.00699	0.00042	2600	0.0182	28.8	0.0006	0.0366	0.017
			Naphthalene	0.0308	0.00077	2600	0.0801	28.8	0.0028	0.0366	0.076
			Phenanthrene	0.016	0.00038	2600	0.0416	28.8	0.0014	0.0366	0.039
6/27/12											
	L55793-7										
		HPAH									
			Benzo(a)anthracene	0.00497	0.00016	3100	0.0154	27.0	0.0006	0.0366	0.016
			Benzo(a)pyrene	0.00598	0.000081	3100	0.0185	27.0	0.0007	0.0366	0.019
			Benzo(b,j,k)fluoranthene	0.0182	0.00016	3100	0.0564	27.0	0.0021	0.0366	0.057
			Benzo(g,h,i)perylene	0.00803	0.000081	3100	0.0249	27.0	0.0009	0.0366	0.025
			Chrysene	0.0136	0.000081	3100	0.0422	27.0	0.0016	0.0366	0.043
			Dibenzo(a,h)anthracene	0.00151	0.00016	3100	0.0047	27.0	0.0002	0.0366	0.005
			Fluoranthene	0.0231	0.00021	3100	0.0716	27.0	0.0027	0.0366	0.072
			Indeno(1,2,3-Cd)Pyrene	0.00527	0.000081	3100	0.0163	27.0	0.0006	0.0366	0.017
			Pyrene	0.0207	0.00016	3100	0.0642	27.0	0.0024	0.0366	0.065
		LPAH									
			Acenaphthene	0.00099	0.00032	3100	0.0031	27.0	0.0001	0.0366	0.003
			Acenaphthylene	0.00207	0.00032	3100	0.0064	27.0	0.0002	0.0366	0.007
			Anthracene	0.00226	0.00016	3100	0.0070	27.0	0.0003	0.0366	0.007
			Fluorene	0.0014	0.00035	3100	0.0043	27.0	0.0002	0.0366	0.004
			Naphthalene	0.0129	0.00032	3100	0.0400	27.0	0.0015	0.0366	0.041

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Phenanthrene	0.0129	0.00032	3100	0.0400	27.0	0.0015	0.0366	0.041
7/19/12											
	L55963-8										
		HPAH									
			Benzo(a)anthracene	0.0195	0.00067	750	0.0146	22.0	0.0007	0.0366	0.018
			Benzo(a)pyrene	0.0259	0.00033	750	0.0194	22.0	0.0009	0.0366	0.024
			Benzo(b,j,k)fluoranthene	0.0645	0.00067	750	0.0484	22.0	0.0022	0.0366	0.060
			Benzo(g,h,i)perylene	0.0299	0.00033	750	0.0224	22.0	0.0010	0.0366	0.028
			Chrysene	0.0436	0.00033	750	0.0327	22.0	0.0015	0.0366	0.041
			Dibenzo(a,h)anthracene	0.00534	0.00067	750	0.0040	22.0	0.0002	0.0366	0.005
			Fluoranthene	0.0587	0.00087	750	0.0440	22.0	0.0020	0.0366	0.055
			Indeno(1,2,3-Cd)Pyrene	0.0183	0.00033	750	0.0137	22.0	0.0006	0.0366	0.017
			Pyrene	0.052	0.00067	750	0.0390	22.0	0.0018	0.0366	0.048
		LPAH									
			Acenaphthene	0.0025	0.0013	750	0.0019	22.0	0.0001	0.0366	0.002
			Acenaphthylene	0.0046	0.0013	750	0.0035	22.0	0.0002	0.0366	0.004
			Anthracene	0.00526	0.00067	750	0.0039	22.0	0.0002	0.0366	0.005
			Fluorene	0.0042	0.0015	750	0.0032	22.0	0.0001	0.0366	0.004
			Naphthalene	0.0533	0.0013	750	0.0400	22.0	0.0018	0.0366	0.050
7/26/12			Phenanthrene	0.0334	0.0013	750	0.0251	22.0	0.0011	0.0366	0.031
	L56076-6										
		HPAH									
			Benzo(a)anthracene	0.00857	0.00015	3300	0.0283	7.0	0.0040	0.1642	0.025
			Benzo(a)pyrene	0.0101	0.000076	3300	0.0333	7.0	0.0048	0.1642	0.029
			Benzo(b,j,k)fluoranthene	0.0292	0.00015	3300	0.0964	7.0	0.0138	0.1642	0.084
			Benzo(g,h,i)perylene	0.0116	0.000076	3300	0.0383	7.0	0.0055	0.1642	0.033
			Chrysene	0.02	0.000076	3300	0.0660	7.0	0.0094	0.1642	0.057
			Dibenzo(a,h)anthracene	0.00234	0.00015	3300	0.0077	7.0	0.0011	0.1642	0.007
			Fluoranthene	0.032	0.0002	3300	0.1056	7.0	0.0151	0.1642	0.092
			Indeno(1,2,3-Cd)Pyrene	0.0077	0.000076	3300	0.0254	7.0	0.0036	0.1642	0.022
			Pyrene	0.0301	0.00015	3300	0.0993	7.0	0.0142	0.1642	0.087
		LPAH									

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.00185	0.0003	3300	0.0061	7.0	0.0009	0.1642	0.005
			Acenaphthylene	0.00338	0.0003	3300	0.0112	7.0	0.0016	0.1642	0.010
			Anthracene	0.00403	0.00015	3300	0.0133	7.0	0.0019	0.1642	0.012
			Fluorene	0.00238	0.00033	3300	0.0079	7.0	0.0011	0.1642	0.007
			Naphthalene	0.0121	0.0003	3300	0.0399	7.0	0.0057	0.1642	0.035
			Phenanthrene	0.0225	0.0003	3300	0.0743	7.0	0.0106	0.1642	0.065
8/16/12											
	L56171-6										
		HPAH									
			Benzo(a)anthracene	0.141	0.0013	400	0.0564	21.0	0.0027	0.1642	0.016
			Benzo(a)pyrene	0.154	0.00063	400	0.0616	21.0	0.0029	0.1642	0.018
			Benzo(b,j,k)fluoranthene	0.471	0.0013	400	0.1884	21.0	0.0090	0.1642	0.055
			Benzo(g,h,i)perylene	0.165	0.00063	400	0.0660	21.0	0.0031	0.1642	0.019
			Chrysene	0.397	0.00063	400	0.1588	21.0	0.0075	0.1642	0.046
			Dibenzo(a,h)anthracene	0.0236	0.0013	400	0.0094	21.0	0.0004	0.1642	0.003
			Fluoranthene	0.558	0.0016	400	0.2232	21.0	0.0106	0.1642	0.065
			Indeno(1,2,3-Cd)Pyrene	0.106	0.00063	400	0.0424	21.0	0.0020	0.1642	0.012
			Pyrene	0.544	0.0013	400	0.2176	21.0	0.0103	0.1642	0.063
		LPAH									
			Acenaphthene	--	0.0025	400	0.0004	21.0	0.0000	0.1642	0.000
			Acenaphthylene	0.0412	0.0025	400	0.0165	21.0	0.0008	0.1642	0.005
			Anthracene	0.0692	0.0013	400	0.0277	21.0	0.0013	0.1642	0.008
			Fluorene	0.0262	0.0028	400	0.0105	21.0	0.0005	0.1642	0.003
			Naphthalene	0.1	0.0025	400	0.0400	21.0	0.0019	0.1642	0.012
			Phenanthrene	0.319	0.0025	400	0.1276	21.0	0.0061	0.1642	0.037
9/6/12											
	L56292-6										
		HPAH									
			Benzo(a)anthracene	0.168	0.0013	400	0.0672	21.2	0.0032	0.1642	0.019
			Benzo(a)pyrene	0.218	0.00063	400	0.0872	21.2	0.0041	0.1642	0.025
			Benzo(b,j,k)fluoranthene	0.577	0.0013	400	0.2308	21.2	0.0109	0.1642	0.066
			Benzo(g,h,i)perylene	0.234	0.00063	400	0.0936	21.2	0.0044	0.1642	0.027

Table C-11. PAHs Flux Calculations for South Park Station (SPCC-R)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Chrysene	0.425	0.00063	400	0.1700	21.2	0.0080	0.1642	0.049
			Dibenzo(a,h)anthracene	0.0461	0.0013	400	0.0184	21.2	0.0009	0.1642	0.005
			Fluoranthene	0.666	0.0016	400	0.2664	21.2	0.0126	0.1642	0.077
			Indeno(1,2,3-Cd)Pyrene	0.152	0.00063	400	0.0608	21.2	0.0029	0.1642	0.018
			Pyrene	0.579	0.0013	400	0.2316	21.2	0.0109	0.1642	0.067
		LPAH									
			Acenaphthene	0.017	0.0025	400	0.0068	21.2	0.0003	0.1642	0.002
			Acenaphthylene	0.0413	0.0025	400	0.0165	21.2	0.0008	0.1642	0.005
			Anthracene	0.0764	0.0013	400	0.0306	21.2	0.0014	0.1642	0.009
			Fluorene	0.029	0.0028	400	0.0116	21.2	0.0005	0.1642	0.003
			Naphthalene	0.1	0.0025	400	0.0400	21.2	0.0019	0.1642	0.012
			Phenanthrene	0.342	0.0025	400	0.1368	21.2	0.0065	0.1642	0.039
10/10/12											
	L56386-6										
		HPAH									
			Benzo(a)anthracene	0.638	0.0063	400	0.2552	27.1	0.0094	0.1642	0.057
			Benzo(a)pyrene	0.948	0.0031	400	0.3792	27.1	0.0140	0.1642	0.085
			Benzo(b,j,k)fluoranthene	2	0.0063	400	0.8000	27.1	0.0295	0.1642	0.180
			Benzo(g,h,i)perylene	0.782	0.0031	400	0.3128	27.1	0.0115	0.1642	0.070
			Chrysene	1.35	0.0031	400	0.5400	27.1	0.0199	0.1642	0.121
			Dibenzo(a,h)anthracene	0.175	0.0063	400	0.0700	27.1	0.0026	0.1642	0.016
			Fluoranthene	1.97	0.0081	400	0.7880	27.1	0.0291	0.1642	0.177
			Indeno(1,2,3-Cd)Pyrene	0.585	0.0031	400	0.2340	27.1	0.0086	0.1642	0.053
			Pyrene	1.85	0.0063	400	0.7400	27.1	0.0273	0.1642	0.166
		LPAH									
			Acenaphthene	0.0907	0.013	400	0.0363	27.1	0.0013	0.1642	0.008
			Acenaphthylene	0.161	0.013	400	0.0644	27.1	0.0024	0.1642	0.015
			Anthracene	0.239	0.0063	400	0.0956	27.1	0.0035	0.1642	0.022
			Fluorene	0.137	0.014	400	0.0548	27.1	0.0020	0.1642	0.012
			Naphthalene	0.5	0.013	400	0.2000	27.1	0.0074	0.1642	0.045
			Phenanthrene	1.36	0.013	400	0.5440	27.1	0.0201	0.1642	0.122

-- Not Detected

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
8/25/11											
	L53760-16										
		HPAH									
			Benzo(a)anthracene	0.118	0.00036	1350	0.1593	28.90	0.0055	0.1642	0.034
			Benzo(a)pyrene	0.137	0.00018	1350	0.1850	28.90	0.0064	0.1642	0.039
			Benzo(b,j,k)fluoranthene	0.434	0.00036	1350	0.5859	28.90	0.0203	0.1642	0.124
			Benzo(g,h,i)perylene	0.105	0.00018	1350	0.1418	28.90	0.0049	0.1642	0.030
			Chrysene	0.281	0.00018	1350	0.3794	28.90	0.0131	0.1642	0.080
			Dibenzo(a,h)anthracene	0.0298	0.00036	1350	0.0402	28.90	0.0014	0.1642	0.009
			Fluoranthene	0.314	0.00046	1350	0.4239	28.90	0.0147	0.1642	0.089
			Indeno(1,2,3-Cd)Pyrene	0.0615	0.00018	1350	0.0830	28.90	0.0029	0.1642	0.018
			Pyrene	0.256	0.00036	1350	0.3456	28.90	0.0120	0.1642	0.073
		LPAH									
			Acenaphthene	0.00878	0.00071	1350	0.0119	28.90	0.0004	0.1642	0.003
			Acenaphthylene	0.0282	0.00071	1350	0.0381	28.90	0.0013	0.1642	0.008
			Anthracene	0.0419	0.00036	1350	0.0566	28.90	0.0020	0.1642	0.012
			Fluorene	0.021	0.00079	1350	0.0284	28.90	0.0010	0.1642	0.006
			Naphthalene	0.0286	0.00071	1350	0.0386	28.90	0.0013	0.1642	0.008
			Phenanthrene	0.154	0.00071	1350	0.2079	28.90	0.0072	0.1642	0.044
9/21/11											
	L53845-10										
		HPAH									
			Benzo(a)anthracene	0.037	0.00016	3200	0.1184	26.99	0.0044	0.1642	0.027
			Benzo(a)pyrene	0.0475	0.000079	3200	0.1520	26.99	0.0056	0.1642	0.034
			Benzo(b,j,k)fluoranthene	0.156	0.00016	3200	0.4992	26.99	0.0185	0.1642	0.113
			Benzo(g,h,i)perylene	0.0583	0.000079	3200	0.1866	26.99	0.0069	0.1642	0.042
			Chrysene	0.0928	0.000079	3200	0.2970	26.99	0.0110	0.1642	0.067
			Dibenzo(a,h)anthracene	0.011	0.00016	3200	0.0352	26.99	0.0013	0.1642	0.008
			Fluoranthene	0.155	0.00021	3200	0.4960	26.99	0.0184	0.1642	0.112
			Indeno(1,2,3-Cd)Pyrene	0.0284	0.000079	3200	0.0909	26.99	0.0034	0.1642	0.021
			Pyrene	0.122	0.00016	3200	0.3904	26.99	0.0145	0.1642	0.088
		LPAH									

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.00525	0.00032	3200	0.0168	26.99	0.0006	0.1642	0.004
			Acenaphthylene	0.00918	0.00032	3200	0.0294	26.99	0.0011	0.1642	0.007
			Anthracene	0.0141	0.00016	3200	0.0451	26.99	0.0017	0.1642	0.010
			Fluorene	0.00927	0.00035	3200	0.0297	26.99	0.0011	0.1642	0.007
			Naphthalene	0.0147	0.00032	3200	0.0470	26.99	0.0017	0.1642	0.011
9/29/11			Phenanthrene	0.0721	0.00032	3200	0.2307	26.99	0.0085	0.1642	0.052
	L54175-16										
		HPAH									
			Benzo(a)anthracene	0.0272	0.00029	3400	0.0925	8.02	0.0115	0.1642	0.070
			Benzo(a)pyrene	0.034	0.00014	3400	0.1156	8.02	0.0144	0.1642	0.088
			Benzo(b,j,k)fluoranthene	0.101	0.00029	3400	0.3434	8.02	0.0428	0.1642	0.261
			Benzo(g,h,i)perylene	0.0279	0.00014	3400	0.0949	8.02	0.0118	0.1642	0.072
			Chrysene	0.0623	0.00014	3400	0.2118	8.02	0.0264	0.1642	0.161
			Dibenzo(a,h)anthracene	0.00664	0.00029	3400	0.0226	8.02	0.0028	0.1642	0.017
			Fluoranthene	0.114	0.00037	3400	0.3876	8.02	0.0483	0.1642	0.294
			Indeno(1,2,3-Cd)Pyrene	0.0169	0.00014	3400	0.0575	8.02	0.0072	0.1642	0.044
			Pyrene	0.0881	0.00029	3400	0.2995	8.02	0.0373	0.1642	0.227
		LPAH									
			Acenaphthene	0.0033	0.00057	3400	0.0112	8.02	0.0014	0.1642	0.009
			Acenaphthylene	0.00477	0.00057	3400	0.0162	8.02	0.0020	0.1642	0.012
			Anthracene	0.00726	0.00029	3400	0.0247	8.02	0.0031	0.1642	0.019
			Fluorene	0.00612	0.00063	3400	0.0208	8.02	0.0026	0.1642	0.016
			Naphthalene	0.0229	0.00057	3400	0.0779	8.02	0.0097	0.1642	0.059
			Phenanthrene	0.0507	0.00057	3400	0.1724	8.02	0.0215	0.1642	0.131
10/19/11											
	L54294-14										
		HPAH									
			Benzo(a)anthracene	0.00322	0.00019	2700	0.0087	19.88	0.0004	0.0366	0.012
			Benzo(a)pyrene	0.00307	0.000096	2700	0.0083	19.88	0.0004	0.0366	0.011
			Benzo(b,j,k)fluoranthene	0.00945	0.00019	2700	0.0255	19.88	0.0013	0.0366	0.035
			Benzo(g,h,i)perylene	0.00427	0.000096	2700	0.0115	19.88	0.0006	0.0366	0.016
			Chrysene	0.00686	0.000096	2700	0.0185	19.88	0.0009	0.0366	0.026

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00062	0.00019	2700	0.0017	19.88	0.0001	0.0366	0.002
			Fluoranthene	0.0108	0.00025	2700	0.0292	19.88	0.0015	0.0366	0.040
			Indeno(1,2,3-Cd)Pyrene	0.00246	0.000096	2700	0.0066	19.88	0.0003	0.0366	0.009
			Pyrene	0.00876	0.00019	2700	0.0237	19.88	0.0012	0.0366	0.033
		LPAH									
			Acenaphthene	0.00192	0.00038	2700	0.0052	19.88	0.0003	0.0366	0.007
			Acenaphthylene	0.00084	0.00038	2700	0.0023	19.88	0.0001	0.0366	0.003
			Anthracene	0.00079	0.00019	2700	0.0021	19.88	0.0001	0.0366	0.003
			Fluorene	0.00222	0.00042	2700	0.0060	19.88	0.0003	0.0366	0.008
			Naphthalene	0.0154	0.00038	2700	0.0416	19.88	0.0021	0.0366	0.057
			Phenanthrene	0.00852	0.00038	2700	0.0230	19.88	0.0012	0.0366	0.032
11/2/11											
	L54414-10										
		HPAH									
			Benzo(a)anthracene	0.00787	0.00023	2250	0.0177	14.03	0.0013	0.0366	0.035
			Benzo(a)pyrene	0.00898	0.00011	2250	0.0202	14.03	0.0014	0.0366	0.039
			Benzo(b,j,k)fluoranthene	0.0208	0.00023	2250	0.0468	14.03	0.0033	0.0366	0.091
			Benzo(g,h,i)perylene	0.0153	0.00011	2250	0.0344	14.03	0.0025	0.0366	0.067
			Chrysene	0.0197	0.00011	2250	0.0443	14.03	0.0032	0.0366	0.086
			Dibenzo(a,h)anthracene	0.00214	0.00023	2250	0.0048	14.03	0.0003	0.0366	0.009
			Fluoranthene	0.0397	0.0003	2250	0.0893	14.03	0.0064	0.0366	0.174
			Indeno(1,2,3-Cd)Pyrene	0.00728	0.00011	2250	0.0164	14.03	0.0012	0.0366	0.032
			Pyrene	0.0347	0.00023	2250	0.0781	14.03	0.0056	0.0366	0.152
		LPAH									
			Acenaphthene	0.00316	0.00045	2250	0.0071	14.03	0.0005	0.0366	0.014
			Acenaphthylene	0.0048	0.00045	2250	0.0108	14.03	0.0008	0.0366	0.021
			Anthracene	0.0033	0.00023	2250	0.0074	14.03	0.0005	0.0366	0.015
			Fluorene	0.0047	0.0005	2250	0.0106	14.03	0.0008	0.0366	0.021
			Naphthalene	0.0182	0.00045	2250	0.0410	14.03	0.0029	0.0366	0.080
11/16/11			Phenanthrene	0.0236	0.00045	2250	0.0531	14.03	0.0038	0.0366	0.103
	L54542-14										
		HPAH									

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)anthracene	0.0122	0.00036	1300	0.0159	13.99	0.0011	0.0366	0.031
			Benzo(a)pyrene	0.0165	0.00018	1300	0.0215	13.99	0.0015	0.0366	0.042
			Benzo(b,j,k)fluoranthene	0.0378	0.00036	1300	0.0491	13.99	0.0035	0.0366	0.096
			Benzo(g,h,i)perylene	0.0245	0.00018	1300	0.0319	13.99	0.0023	0.0366	0.062
			Chrysene	0.0314	0.00018	1300	0.0408	13.99	0.0029	0.0366	0.080
			Dibenzo(a,h)anthracene	0.00375	0.00036	1300	0.0049	13.99	0.0003	0.0366	0.010
			Fluoranthene	0.0624	0.00046	1300	0.0811	13.99	0.0058	0.0366	0.158
			Indeno(1,2,3-Cd)Pyrene	0.0124	0.00018	1300	0.0161	13.99	0.0012	0.0366	0.032
			Pyrene	0.0548	0.00036	1300	0.0712	13.99	0.0051	0.0366	0.139
		LPAH									
			Acenaphthene	0.0018	0.00071	1300	0.0023	13.99	0.0002	0.0366	0.005
			Acenaphthylene	0.00418	0.00071	1300	0.0054	13.99	0.0004	0.0366	0.011
			Anthracene	0.00418	0.00036	1300	0.0054	13.99	0.0004	0.0366	0.011
			Fluorene	0.00407	0.00079	1300	0.0053	13.99	0.0004	0.0366	0.010
			Naphthalene	0.0286	0.00071	1300	0.0372	13.99	0.0027	0.0366	0.073
11/23/11			Phenanthrene	0.0316	0.00071	1300	0.0411	13.99	0.0029	0.0366	0.080
	L54658-10										
		HPAH									
			Benzo(a)anthracene	0.00141	0.00013	3850	0.0054	7.02	0.0008	0.0366	0.021
			Benzo(a)pyrene	0.00173	0.000063	3850	0.0067	7.02	0.0009	0.0366	0.026
			Benzo(b,j,k)fluoranthene	0.00515	0.00013	3850	0.0198	7.02	0.0028	0.0366	0.077
			Benzo(g,h,i)perylene	0.00263	0.000063	3850	0.0101	7.02	0.0014	0.0366	0.039
			Chrysene	0.00412	0.000063	3850	0.0159	7.02	0.0023	0.0366	0.062
			Dibenzo(a,h)anthracene	0.00046	0.00013	3850	0.0018	7.02	0.0003	0.0366	0.007
			Fluoranthene	0.0128	0.00016	3850	0.0493	7.02	0.0070	0.0366	0.192
			Indeno(1,2,3-Cd)Pyrene	0.00154	0.000063	3850	0.0059	7.02	0.0008	0.0366	0.023
			Pyrene	0.00965	0.00013	3850	0.0372	7.02	0.0053	0.0366	0.145
		LPAH									
			Acenaphthene	0.0012	0.00025	3850	0.0046	7.02	0.0007	0.0366	0.018
			Acenaphthylene	0.00332	0.00025	3850	0.0128	7.02	0.0018	0.0366	0.050
			Anthracene	0.00101	0.00013	3850	0.0039	7.02	0.0006	0.0366	0.015
			Fluorene	0.003	0.00028	3850	0.0116	7.02	0.0016	0.0366	0.045

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Naphthalene	0.0124	0.00025	3850	0.0477	7.02	0.0068	0.0366	0.186
11/29/11			Phenanthrene	0.0148	0.00025	3850	0.0570	7.02	0.0081	0.0366	0.222
	L54697-10										
		HPAH									
			Benzo(a)anthracene	0.00486	0.00042	1050	0.0051	6.05	0.0008	0.0366	0.023
			Benzo(a)pyrene	0.00582	0.00021	1050	0.0061	6.05	0.0010	0.0366	0.028
			Benzo(b,j,k)fluoranthene	0.0144	0.00042	1050	0.0151	6.05	0.0025	0.0366	0.068
			Benzo(g,h,i)perylene	0.00963	0.00021	1050	0.0101	6.05	0.0017	0.0366	0.046
			Chrysene	0.00935	0.00021	1050	0.0098	6.05	0.0016	0.0366	0.044
			Dibenzo(a,h)anthracene	0.0018	0.00042	1050	0.0019	6.05	0.0003	0.0366	0.009
			Fluoranthene	0.0214	0.00054	1050	0.0225	6.05	0.0037	0.0366	0.102
			Indeno(1,2,3-Cd)Pyrene	0.00508	0.00021	1050	0.0053	6.05	0.0009	0.0366	0.024
			Pyrene	0.019	0.00042	1050	0.0200	6.05	0.0033	0.0366	0.090
		LPAH									
			Acenaphthene	0.0011	0.00083	1050	0.0012	6.05	0.0002	0.0366	0.005
			Acenaphthylene	0.0022	0.00083	1050	0.0023	6.05	0.0004	0.0366	0.010
			Anthracene	0.0011	0.00042	1050	0.0012	6.05	0.0002	0.0366	0.005
			Fluorene	0.0027	0.00092	1050	0.0028	6.05	0.0005	0.0366	0.013
			Naphthalene	0.0333	0.00083	1050	0.0350	6.05	0.0058	0.0366	0.158
			Phenanthrene	0.0143	0.00083	1050	0.0150	6.05	0.0025	0.0366	0.068
12/28/11											
	L54719-12										
		HPAH									
			Benzo(a)anthracene	0.0291	0.00028	2000	0.0582	28.93	0.0020	0.0366	0.055
			Benzo(a)pyrene	0.0421	0.00014	2000	0.0842	28.93	0.0029	0.0366	0.080
			Benzo(b,j,k)fluoranthene	0.117	0.00028	2000	0.2340	28.93	0.0081	0.0366	0.221
			Benzo(g,h,i)perylene	0.0973	0.00014	2000	0.1946	28.93	0.0067	0.0366	0.184
			Chrysene	0.0879	0.00014	2000	0.1758	28.93	0.0061	0.0366	0.166
			Dibenzo(a,h)anthracene	0.0124	0.00028	2000	0.0248	28.93	0.0009	0.0366	0.023
			Fluoranthene	0.168	0.00036	2000	0.3360	28.93	0.0116	0.0366	0.317
			Indeno(1,2,3-Cd)Pyrene	0.0469	0.00014	2000	0.0938	28.93	0.0032	0.0366	0.089
			Pyrene	0.174	0.00028	2000	0.3480	28.93	0.0120	0.0366	0.329

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		LPAH									
			Acenaphthene	0.00396	0.00056	2000	0.0079	28.93	0.0003	0.0366	0.008
			Acenaphthylene	0.0143	0.00056	2000	0.0286	28.93	0.0010	0.0366	0.027
			Anthracene	0.0121	0.00028	2000	0.0242	28.93	0.0008	0.0366	0.023
			Fluorene	0.00978	0.00061	2000	0.0196	28.93	0.0007	0.0366	0.019
			Naphthalene	0.0279	0.00056	2000	0.0558	28.93	0.0019	0.0366	0.053
			Phenanthrene	0.0796	0.00056	2000	0.1592	28.93	0.0055	0.0366	0.150
1/11/12											
	L54845-12										
		HPAH									
			Benzo(a)anthracene	0.00669	0.00017	3000	0.0201	13.98	0.0014	0.0366	0.039
			Benzo(a)pyrene	0.0086	0.000083	3000	0.0258	13.98	0.0018	0.0366	0.050
			Benzo(b,j,k)fluoranthene	0.018	0.00017	3000	0.0540	13.98	0.0039	0.0366	0.106
			Benzo(g,h,i)perylene	0.0153	0.000083	3000	0.0459	13.98	0.0033	0.0366	0.090
			Chrysene	0.0187	0.000083	3000	0.0561	13.98	0.0040	0.0366	0.110
			Dibenzo(a,h)anthracene	0.00223	0.00017	3000	0.0067	13.98	0.0005	0.0366	0.013
			Fluoranthene	0.037	0.00022	3000	0.1110	13.98	0.0079	0.0366	0.217
			Indeno(1,2,3-Cd)Pyrene	0.00828	0.000083	3000	0.0248	13.98	0.0018	0.0366	0.049
			Pyrene	0.035	0.00017	3000	0.1050	13.98	0.0075	0.0366	0.205
		LPAH									
			Acenaphthene	0.00507	0.00033	3000	0.0152	13.98	0.0011	0.0366	0.030
			Acenaphthylene	0.00688	0.00033	3000	0.0206	13.98	0.0015	0.0366	0.040
			Anthracene	0.0031	0.00017	3000	0.0093	13.98	0.0007	0.0366	0.018
			Fluorene	0.00624	0.00037	3000	0.0187	13.98	0.0013	0.0366	0.037
			Naphthalene	0.02	0.00033	3000	0.0600	13.98	0.0043	0.0366	0.117
1/24/12			Phenanthrene	0.0404	0.00033	3000	0.1212	13.98	0.0087	0.0366	0.237
	L54922-10										
		HPAH									
			Benzo(a)anthracene	0.00864	0.00024	2050	0.0177	13.02	0.0014	0.0366	0.037
			Benzo(a)pyrene	0.00797	0.00012	2050	0.0163	13.02	0.0013	0.0366	0.034
			Benzo(b,j,k)fluoranthene	0.0244	0.00024	2050	0.0500	13.02	0.0038	0.0366	0.105
			Benzo(g,h,i)perylene	0.0161	0.00012	2050	0.0330	13.02	0.0025	0.0366	0.069

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Chrysene	0.0245	0.00012	2050	0.0502	13.02	0.0039	0.0366	0.105
			Dibenzo(a,h)anthracene	0.00215	0.00024	2050	0.0044	13.02	0.0003	0.0366	0.009
			Fluoranthene	0.0548	0.00031	2050	0.1123	13.02	0.0086	0.0366	0.236
			Indeno(1,2,3-Cd)Pyrene	0.00746	0.00012	2050	0.0153	13.02	0.0012	0.0366	0.032
			Pyrene	0.0692	0.00024	2050	0.1419	13.02	0.0109	0.0366	0.298
		LPAH									
			Acenaphthene	0.00931	0.00048	2050	0.0191	13.02	0.0015	0.0366	0.040
			Acenaphthylene	0.00781	0.00048	2050	0.0160	13.02	0.0012	0.0366	0.034
			Anthracene	0.00647	0.00024	2050	0.0133	13.02	0.0010	0.0366	0.028
			Fluorene	0.0147	0.00052	2050	0.0301	13.02	0.0023	0.0366	0.063
			Naphthalene	0.019	0.00048	2050	0.0390	13.02	0.0030	0.0366	0.082
			Phenanthrene	0.0699	0.00048	2050	0.1433	13.02	0.0110	0.0366	0.301
2/7/12											
	L54980-11										
		HPAH									
			Benzo(a)anthracene	0.0122	0.00013	3700	0.0451	13.98	0.0032	0.0366	0.088
			Benzo(a)pyrene	0.0132	0.000066	3700	0.0488	13.98	0.0035	0.0366	0.096
			Benzo(b,j,k)fluoranthene	0.0315	0.00013	3700	0.1166	13.98	0.0083	0.0366	0.228
			Benzo(g,h,i)perylene	0.0185	0.000066	3700	0.0685	13.98	0.0049	0.0366	0.134
			Chrysene	0.0271	0.000066	3700	0.1003	13.98	0.0072	0.0366	0.196
			Dibenzo(a,h)anthracene	0.00291	0.00013	3700	0.0108	13.98	0.0008	0.0366	0.021
			Fluoranthene	0.0455	0.00017	3700	0.1684	13.98	0.0120	0.0366	0.329
			Indeno(1,2,3-Cd)Pyrene	0.0104	0.000066	3700	0.0385	13.98	0.0028	0.0366	0.075
			Pyrene	0.0704	0.00013	3700	0.2605	13.98	0.0186	0.0366	0.509
		LPAH									
			Acenaphthene	0.0129	0.00026	3700	0.0477	13.98	0.0034	0.0366	0.093
			Acenaphthylene	0.00772	0.00026	3700	0.0286	13.98	0.0020	0.0366	0.056
			Anthracene	0.00479	0.00013	3700	0.0177	13.98	0.0013	0.0366	0.035
			Fluorene	0.0181	0.00029	3700	0.0670	13.98	0.0048	0.0366	0.131
			Naphthalene	0.0241	0.00026	3700	0.0892	13.98	0.0064	0.0366	0.174
2/22/12			Phenanthrene	0.0662	0.00026	3700	0.2449	13.98	0.0175	0.0366	0.479
	L55079-10										

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		HPAH									
			Benzo(a)anthracene	0.0121	0.00019	2700	0.0327	15.06	0.0022	0.0366	0.059
			Benzo(a)pyrene	0.0117	0.000093	2700	0.0316	15.06	0.0021	0.0366	0.057
			Benzo(b,j,k)fluoranthene	0.0315	0.00019	2700	0.0851	15.06	0.0056	0.0366	0.154
			Benzo(g,h,i)perylene	0.0205	0.000093	2700	0.0554	15.06	0.0037	0.0366	0.100
			Chrysene	0.0271	0.000093	2700	0.0732	15.06	0.0049	0.0366	0.133
			Dibenzo(a,h)anthracene	0.00344	0.00019	2700	0.0093	15.06	0.0006	0.0366	0.017
			Fluoranthene	0.0565	0.00024	2700	0.1526	15.06	0.0101	0.0366	0.277
			Indeno(1,2,3-Cd)Pyrene	0.0132	0.000093	2700	0.0356	15.06	0.0024	0.0366	0.065
			Pyrene	0.0383	0.00019	2700	0.1034	15.06	0.0069	0.0366	0.188
		LPAH									
			Acenaphthene	0.00677	0.00037	2700	0.0183	15.06	0.0012	0.0366	0.033
			Acenaphthylene	0.00864	0.00037	2700	0.0233	15.06	0.0015	0.0366	0.042
			Anthracene	0.00587	0.00019	2700	0.0158	15.06	0.0011	0.0366	0.029
			Fluorene	0.0127	0.00041	2700	0.0343	15.06	0.0023	0.0366	0.062
			Naphthalene	0.0192	0.00037	2700	0.0518	15.06	0.0034	0.0366	0.094
			Phenanthrene	0.0463	0.00037	2700	0.1250	15.06	0.0083	0.0366	0.227
3/6/12											
	L55159-12										
		HPAH									
			Benzo(a)anthracene	0.0305	0.00031	1600	0.0488	12.96	0.0038	0.0366	0.103
			Benzo(a)pyrene	0.0291	0.00016	1600	0.0466	12.96	0.0036	0.0366	0.098
			Benzo(b,j,k)fluoranthene	0.0711	0.00031	1600	0.1138	12.96	0.0088	0.0366	0.240
			Benzo(g,h,i)perylene	0.0394	0.00016	1600	0.0630	12.96	0.0049	0.0366	0.133
			Chrysene	0.0553	0.00016	1600	0.0885	12.96	0.0068	0.0366	0.187
			Dibenzo(a,h)anthracene	0.00754	0.00031	1600	0.0121	12.96	0.0009	0.0366	0.025
			Fluoranthene	0.133	0.00041	1600	0.2128	12.96	0.0164	0.0366	0.449
			Indeno(1,2,3-Cd)Pyrene	0.0255	0.00016	1600	0.0408	12.96	0.0031	0.0366	0.086
			Pyrene	0.0992	0.00031	1600	0.1587	12.96	0.0122	0.0366	0.335
		LPAH									
			Acenaphthene	0.0052	0.00063	1600	0.0083	12.96	0.0006	0.0366	0.018
			Acenaphthylene	0.00983	0.00063	1600	0.0157	12.96	0.0012	0.0366	0.033

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Anthracene	0.0123	0.00031	1600	0.0197	12.96	0.0015	0.0366	0.042
			Fluorene	0.0119	0.00069	1600	0.0190	12.96	0.0015	0.0366	0.040
			Naphthalene	0.025	0.00063	1600	0.0400	12.96	0.0031	0.0366	0.084
3/15/12			Phenanthrene	0.0641	0.00063	1600	0.1026	12.96	0.0079	0.0366	0.216
	L55244-12										
		HPAH									
			Benzo(a)anthracene	0.00691	0.00016	3100	0.0214	9.11	0.0024	0.0366	0.064
			Benzo(a)pyrene	0.00654	0.000078	3100	0.0203	9.11	0.0022	0.0366	0.061
			Benzo(b,j,k)fluoranthene	0.0208	0.00016	3100	0.0645	9.11	0.0071	0.0366	0.193
			Benzo(g,h,i)perylene	0.00968	0.000078	3100	0.0300	9.11	0.0033	0.0366	0.090
			Chrysene	0.0201	0.000078	3100	0.0623	9.11	0.0068	0.0366	0.187
			Dibenzo(a,h)anthracene	0.00137	0.00016	3100	0.0042	9.11	0.0005	0.0366	0.013
			Fluoranthene	0.0441	0.0002	3100	0.1367	9.11	0.0150	0.0366	0.410
			Indeno(1,2,3-Cd)Pyrene	0.0054	0.000078	3100	0.0167	9.11	0.0018	0.0366	0.050
			Pyrene	0.0253	0.00016	3100	0.0784	9.11	0.0086	0.0366	0.235
		LPAH									
			Acenaphthene	0.00517	0.00031	3100	0.0160	9.11	0.0018	0.0366	0.048
			Acenaphthylene	0.00725	0.00031	3100	0.0225	9.11	0.0025	0.0366	0.067
			Anthracene	0.00479	0.00016	3100	0.0148	9.11	0.0016	0.0366	0.045
			Fluorene	0.00977	0.00034	3100	0.0303	9.11	0.0033	0.0366	0.091
			Naphthalene	0.0155	0.00031	3100	0.0481	9.11	0.0053	0.0366	0.144
3/15/12			Phenanthrene	0.0361	0.00031	3100	0.1119	9.11	0.0123	0.0366	0.336
	L55244-13										
		HPAH									
			Benzo(a)anthracene	0.00698	0.00016	3100	0.0216	9.11	0.0024	0.0366	0.065
			Benzo(a)pyrene	0.00568	0.000078	3100	0.0176	9.11	0.0019	0.0366	0.053
			Benzo(b,j,k)fluoranthene	0.0193	0.00016	3100	0.0598	9.11	0.0066	0.0366	0.180
			Benzo(g,h,i)perylene	0.00978	0.000078	3100	0.0303	9.11	0.0033	0.0366	0.091
			Chrysene	0.0191	0.000078	3100	0.0592	9.11	0.0065	0.0366	0.178
			Dibenzo(a,h)anthracene	0.000904	0.00016	3100	0.0028	9.11	0.0003	0.0366	0.008
			Fluoranthene	0.0571	0.0002	3100	0.1770	9.11	0.0194	0.0366	0.531
			Indeno(1,2,3-Cd)Pyrene	0.00479	0.000078	3100	0.0148	9.11	0.0016	0.0366	0.045

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Pyrene	0.0324	0.00016	3100	0.1004	9.11	0.0110	0.0366	0.301
		LPAH									
			Acenaphthene	0.0041	0.00031	3100	0.0127	9.11	0.0014	0.0366	0.038
			Acenaphthylene	0.00498	0.00031	3100	0.0154	9.11	0.0017	0.0366	0.046
			Anthracene	0.00483	0.00016	3100	0.0150	9.11	0.0016	0.0366	0.045
			Fluorene	0.00722	0.00034	3100	0.0224	9.11	0.0025	0.0366	0.067
			Naphthalene	0.0125	0.00031	3100	0.0388	9.11	0.0043	0.0366	0.116
3/29/12			Phenanthrene	0.0421	0.00031	3100	0.1305	9.11	0.0143	0.0366	0.392
	L55316-12										
		HPAH									
			Benzo(a)anthracene	0.0125	0.00017	2950	0.0369	13.87	0.0027	0.0366	0.073
			Benzo(a)pyrene	0.00841	0.000083	2950	0.0248	13.87	0.0018	0.0366	0.049
			Benzo(b,j,k)fluoranthene	0.0256	0.00017	2950	0.0755	13.87	0.0054	0.0366	0.149
			Benzo(g,h,i)perylene	0.0127	0.000083	2950	0.0375	13.87	0.0027	0.0366	0.074
			Chrysene	0.0237	0.000083	2950	0.0699	13.87	0.0050	0.0366	0.138
			Dibenzo(a,h)anthracene	0.00209	0.00017	2950	0.0062	13.87	0.0004	0.0366	0.012
			Fluoranthene	0.0601	0.00022	2950	0.1773	13.87	0.0128	0.0366	0.349
			Indeno(1,2,3-Cd)Pyrene	0.00761	0.000083	2950	0.0224	13.87	0.0016	0.0366	0.044
			Pyrene	0.0489	0.00017	2950	0.1443	13.87	0.0104	0.0366	0.284
		LPAH									
			Acenaphthene	0.00435	0.00033	2950	0.0128	13.87	0.0009	0.0366	0.025
			Acenaphthylene	0.00471	0.00033	2950	0.0139	13.87	0.0010	0.0366	0.027
			Anthracene	0.00424	0.00017	2950	0.0125	13.87	0.0009	0.0366	0.025
			Fluorene	0.00791	0.00037	2950	0.0233	13.87	0.0017	0.0366	0.046
			Naphthalene	0.0133	0.00033	2950	0.0392	13.87	0.0028	0.0366	0.077
			Phenanthrene	0.0387	0.00033	2950	0.1142	13.87	0.0082	0.0366	0.225
4/19/12											
	L55365-10										
		HPAH									
			Benzo(a)anthracene	0.0108	0.00015	3150	0.0340	21.08	0.0016	0.0366	0.044
			Benzo(a)pyrene	0.00988	0.000076	3150	0.0311	21.08	0.0015	0.0366	0.040
			Benzo(b,j,k)fluoranthene	0.028	0.00015	3150	0.0882	21.08	0.0042	0.0366	0.114

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(g,h,i)perylene	0.0148	0.000076	3150	0.0466	21.08	0.0022	0.0366	0.060
			Chrysene	0.0253	0.000076	3150	0.0797	21.08	0.0038	0.0366	0.103
			Dibenzo(a,h)anthracene	0.00236	0.00015	3150	0.0074	21.08	0.0004	0.0366	0.010
			Fluoranthene	0.047	0.0002	3150	0.1481	21.08	0.0070	0.0366	0.192
			Indeno(1,2,3-Cd)Pyrene	0.00857	0.000076	3150	0.0270	21.08	0.0013	0.0366	0.035
			Pyrene	0.048	0.00015	3150	0.1512	21.08	0.0072	0.0366	0.196
		LPAH									
			Acenaphthene	0.00385	0.0003	3150	0.0121	21.08	0.0006	0.0366	0.016
			Acenaphthylene	0.00481	0.0003	3150	0.0152	21.08	0.0007	0.0366	0.020
			Anthracene	0.00585	0.00015	3150	0.0184	21.08	0.0009	0.0366	0.024
			Fluorene	0.00743	0.00033	3150	0.0234	21.08	0.0011	0.0366	0.030
			Naphthalene	0.0121	0.0003	3150	0.0381	21.08	0.0018	0.0366	0.049
			Phenanthrene	0.0437	0.0003	3150	0.1377	21.08	0.0065	0.0366	0.179
5/2/12											
	L55530-14										
		HPAH									
			Benzo(a)anthracene	0.00847	0.00019	2600	0.0220	12.95	0.0017	0.0366	0.047
			Benzo(a)pyrene	0.00677	0.000096	2600	0.0176	12.95	0.0014	0.0366	0.037
			Benzo(b,j,k)fluoranthene	0.022	0.00019	2600	0.0572	12.95	0.0044	0.0366	0.121
			Benzo(g,h,i)perylene	0.0108	0.000096	2600	0.0281	12.95	0.0022	0.0366	0.059
			Chrysene	0.0228	0.000096	2600	0.0593	12.95	0.0046	0.0366	0.125
			Dibenzo(a,h)anthracene	0.00185	0.00019	2600	0.0048	12.95	0.0004	0.0366	0.010
			Fluoranthene	0.0469	0.00025	2600	0.1219	12.95	0.0094	0.0366	0.257
			Indeno(1,2,3-Cd)Pyrene	0.0063	0.000096	2600	0.0164	12.95	0.0013	0.0366	0.035
			Pyrene	0.0244	0.00019	2600	0.0634	12.95	0.0049	0.0366	0.134
		LPAH									
			Acenaphthene	0.00398	0.00038	2600	0.0103	12.95	0.0008	0.0366	0.022
			Acenaphthylene	0.00392	0.00038	2600	0.0102	12.95	0.0008	0.0366	0.022
			Anthracene	0.00522	0.00019	2600	0.0136	12.95	0.0010	0.0366	0.029
			Fluorene	0.00695	0.00042	2600	0.0181	12.95	0.0014	0.0366	0.038
			Naphthalene	0.0154	0.00038	2600	0.0400	12.95	0.0031	0.0366	0.085
5/31/12			Phenanthrene	0.0388	0.00038	2600	0.1009	12.95	0.0078	0.0366	0.213

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
	L55594-10										
		HPAH									
			Benzo(a)anthracene	0.0154	0.00018	2650	0.0408	28.97	0.0014	0.0366	0.039
			Benzo(a)pyrene	0.0169	0.000089	2650	0.0448	28.97	0.0015	0.0366	0.042
			Benzo(b,j,k)fluoranthene	0.0448	0.00018	2650	0.1187	28.97	0.0041	0.0366	0.112
			Benzo(g,h,i)perylene	0.0206	0.000089	2650	0.0546	28.97	0.0019	0.0366	0.052
			Chrysene	0.039	0.000089	2650	0.1034	28.97	0.0036	0.0366	0.098
			Dibenzo(a,h)anthracene	0.00273	0.00018	2650	0.0072	28.97	0.0002	0.0366	0.007
			Fluoranthene	0.0621	0.0012	2650	0.1646	28.97	0.0057	0.0366	0.155
			Indeno(1,2,3-Cd)Pyrene	0.011	0.000089	2650	0.0292	28.97	0.0010	0.0366	0.028
			Pyrene	0.0484	0.00018	2650	0.1283	28.97	0.0044	0.0366	0.121
		LPAH									
			Acenaphthene	0.00622	0.00036	2650	0.0165	28.97	0.0006	0.0366	0.016
			Acenaphthylene	0.015	0.0071	2650	0.0398	28.97	0.0014	0.0366	0.038
			Anthracene	0.0204	0.00089	2650	0.0541	28.97	0.0019	0.0366	0.051
			Fluorene	0.0099	0.0079	2650	0.0262	28.97	0.0009	0.0366	0.025
			Naphthalene	0.0197	0.00036	2650	0.0522	28.97	0.0018	0.0366	0.049
			Phenanthrene	0.0469	0.0018	2650	0.1243	28.97	0.0043	0.0366	0.117
6/27/12											
	L55793-10										
		HPAH									
			Benzo(a)anthracene	0.00956	0.00014	3700	0.0354	27.01	0.0013	0.0366	0.036
			Benzo(a)pyrene	0.00852	0.000068	3700	0.0315	27.01	0.0012	0.0366	0.032
			Benzo(b,j,k)fluoranthene	0.0295	0.00014	3700	0.1092	27.01	0.0040	0.0366	0.110
			Benzo(g,h,i)perylene	0.00983	0.000068	3700	0.0364	27.01	0.0013	0.0366	0.037
			Chrysene	0.0319	0.000068	3700	0.1180	27.01	0.0044	0.0366	0.119
			Dibenzo(a,h)anthracene	0.00141	0.00014	3700	0.0052	27.01	0.0002	0.0366	0.005
			Fluoranthene	0.0823	0.00018	3700	0.3045	27.01	0.0113	0.0366	0.308
			Indeno(1,2,3-Cd)Pyrene	0.00557	0.000068	3700	0.0206	27.01	0.0008	0.0366	0.021
			Pyrene	0.0592	0.00014	3700	0.2190	27.01	0.0081	0.0366	0.222
		LPAH									
			Acenaphthene	0.00329	0.00027	3700	0.0122	27.01	0.0005	0.0366	0.012

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthylene	0.00856	0.00027	3700	0.0317	27.01	0.0012	0.0366	0.032
			Anthracene	0.00751	0.00014	3700	0.0278	27.01	0.0010	0.0366	0.028
			Fluorene	0.00522	0.0003	3700	0.0193	27.01	0.0007	0.0366	0.020
			Naphthalene	0.0108	0.00027	3700	0.0400	27.01	0.0015	0.0366	0.040
			Phenanthrene	0.0498	0.00027	3700	0.1843	27.01	0.0068	0.0366	0.186
7/19/12											
	L55963-12										
		HPAH									
			Benzo(a)anthracene	0.0569	0.00067	750	0.0427	22.01	0.0019	0.0366	0.053
			Benzo(a)pyrene	0.0614	0.00033	750	0.0461	22.01	0.0021	0.0366	0.057
			Benzo(b,j,k)fluoranthene	0.164	0.00067	750	0.1230	22.01	0.0056	0.0366	0.153
			Benzo(g,h,i)perylene	0.0691	0.00033	750	0.0518	22.01	0.0024	0.0366	0.064
			Chrysene	0.155	0.00033	750	0.1163	22.01	0.0053	0.0366	0.144
			Dibenzo(a,h)anthracene	0.00958	0.00067	750	0.0072	22.01	0.0003	0.0366	0.009
			Fluoranthene	0.24	0.00087	750	0.1800	22.01	0.0082	0.0366	0.224
			Indeno(1,2,3-Cd)Pyrene	0.0392	0.00033	750	0.0294	22.01	0.0013	0.0366	0.037
			Pyrene	0.191	0.00067	750	0.1433	22.01	0.0065	0.0366	0.178
		LPAH									
			Acenaphthene	0.0067	0.0013	750	0.0050	22.01	0.0002	0.0366	0.006
			Acenaphthylene	0.0208	0.0013	750	0.0156	22.01	0.0007	0.0366	0.019
			Anthracene	0.0308	0.00067	750	0.0231	22.01	0.0010	0.0366	0.029
			Fluorene	0.00886	0.0015	750	0.0066	22.01	0.0003	0.0366	0.008
			Naphthalene	0.0533	0.0013	750	0.0400	22.01	0.0018	0.0366	0.050
7/26/12			Phenanthrene	0.0953	0.0013	750	0.0715	22.01	0.0032	0.0366	0.089
	L56076-10										
		HPAH									
			Benzo(a)anthracene	0.0147	0.00012	4200	0.0617	6.99	0.0088	0.1642	0.054
			Benzo(a)pyrene	0.0117	0.00006	4200	0.0491	6.99	0.0070	0.1642	0.043
			Benzo(b,j,k)fluoranthene	0.0434	0.00012	4200	0.1823	6.99	0.0261	0.1642	0.159
			Benzo(g,h,i)perylene	0.0196	0.00006	4200	0.0823	6.99	0.0118	0.1642	0.072
			Chrysene	0.0473	0.00006	4200	0.1987	6.99	0.0284	0.1642	0.173
			Dibenzo(a,h)anthracene	0.00266	0.00012	4200	0.0112	6.99	0.0016	0.1642	0.010

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Fluoranthene	0.0842	0.00015	4200	0.3536	6.99	0.0506	0.1642	0.308
			Indeno(1,2,3-Cd)Pyrene	0.00986	0.00006	4200	0.0414	6.99	0.0059	0.1642	0.036
			Pyrene	0.069	0.00012	4200	0.2898	6.99	0.0414	0.1642	0.252
		LPAH									
			Acenaphthene	0.00358	0.00024	4200	0.0150	6.99	0.0022	0.1642	0.013
			Acenaphthylene	0.00588	0.00024	4200	0.0247	6.99	0.0035	0.1642	0.022
			Anthracene	0.00916	0.00012	4200	0.0385	6.99	0.0055	0.1642	0.034
			Fluorene	0.0069	0.00026	4200	0.0290	6.99	0.0041	0.1642	0.025
			Naphthalene	0.00952	0.00024	4200	0.0400	6.99	0.0057	0.1642	0.035
			Phenanthrene	0.059	0.00024	4200	0.2478	6.99	0.0354	0.1642	0.216
8/16/12											
	L56171-10										
		HPAH									
			Benzo(a)anthracene	0.237	0.0013	400	0.0948	21.08	0.0045	0.1642	0.027
			Benzo(a)pyrene	0.207	0.00063	400	0.0828	21.08	0.0039	0.1642	0.024
			Benzo(b,j,k)fluoranthene	0.767	0.0013	400	0.3068	21.08	0.0146	0.1642	0.089
			Benzo(g,h,i)perylene	0.347	0.00063	400	0.1388	21.08	0.0066	0.1642	0.040
			Chrysene	0.924	0.00063	400	0.3696	21.08	0.0175	0.1642	0.107
			Dibenzo(a,h)anthracene	0.0505	0.0013	400	0.0202	21.08	0.0010	0.1642	0.006
			Fluoranthene	1.5	0.0081	400	0.6000	21.08	0.0285	0.1642	0.173
			Indeno(1,2,3-Cd)Pyrene	0.147	0.00063	400	0.0588	21.08	0.0028	0.1642	0.017
			Pyrene	1.2	0.0063	400	0.4800	21.08	0.0228	0.1642	0.139
		LPAH									
			Acenaphthene	0.0241	0.0025	400	0.0096	21.08	0.0005	0.1642	0.003
			Acenaphthylene	0.114	0.0025	400	0.0456	21.08	0.0022	0.1642	0.013
			Anthracene	0.183	0.0013	400	0.0732	21.08	0.0035	0.1642	0.021
			Fluorene	0.0523	0.0028	400	0.0209	21.08	0.0010	0.1642	0.006
			Naphthalene	0.1	0.0025	400	0.0400	21.08	0.0019	0.1642	0.012
			Phenanthrene	0.64	0.0025	400	0.2560	21.08	0.0121	0.1642	0.074
9/6/12											
	L56292-10										
		HPAH									

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)anthracene	0.477	0.0013	400	0.1908	21.16	0.0090	0.1642	0.055
			Benzo(a)pyrene	0.348	0.00063	400	0.1392	21.16	0.0066	0.1642	0.040
			Benzo(b,j,k)fluoranthene	1.4	0.0013	400	0.5600	21.16	0.0265	0.1642	0.161
			Benzo(g,h,i)perylene	0.509	0.00063	400	0.2036	21.16	0.0096	0.1642	0.059
			Chrysene	1.67	0.0031	400	0.6680	21.16	0.0316	0.1642	0.192
			Dibenzo(a,h)anthracene	0.085	0.0013	400	0.0340	21.16	0.0016	0.1642	0.010
			Fluoranthene	2.67	0.0081	400	1.0680	21.16	0.0505	0.1642	0.307
			Indeno(1,2,3-Cd)Pyrene	0.254	0.00063	400	0.1016	21.16	0.0048	0.1642	0.029
			Pyrene	2.17	0.0063	400	0.8680	21.16	0.0410	0.1642	0.250
		LPAH									
			Acenaphthene	0.0774	0.0025	400	0.0310	21.16	0.0015	0.1642	0.009
			Acenaphthylene	0.294	0.0025	400	0.1176	21.16	0.0056	0.1642	0.034
			Anthracene	0.552	0.0013	400	0.2208	21.16	0.0104	0.1642	0.064
			Fluorene	0.117	0.0028	400	0.0468	21.16	0.0022	0.1642	0.014
			Naphthalene	0.128	0.0025	400	0.0512	21.16	0.0024	0.1642	0.015
			Phenanthrene	1.23	0.013	400	0.4920	21.16	0.0233	0.1642	0.142
10/24/12											
	L56620-2										
		HPAH									
			Benzo(a)anthracene	0.00664	0.00016	3100	0.0206	14.05	0.0015	0.0366	0.040
			Benzo(a)pyrene	0.0049	0.000081	3100	0.0152	14.05	0.0011	0.0366	0.030
			Benzo(b,j,k)fluoranthene	0.019	0.00016	3100	0.0589	14.05	0.0042	0.0366	0.115
			Benzo(g,h,i)perylene	0.00889	0.000081	3100	0.0276	14.05	0.0020	0.0366	0.054
			Chrysene	0.0253	0.000081	3100	0.0784	14.05	0.0056	0.0366	0.153
			Dibenzo(a,h)anthracene	0.0011	0.00016	3100	0.0034	14.05	0.0002	0.0366	0.007
			Fluoranthene	0.0472	0.00021	3100	0.1463	14.05	0.0104	0.0366	0.285
			Indeno(1,2,3-Cd)Pyrene	0.00413	0.000081	3100	0.0128	14.05	0.0009	0.0366	0.025
			Pyrene	0.0376	0.00016	3100	0.1166	14.05	0.0083	0.0366	0.227
		LPAH									
			Acenaphthene	0.00294	0.00032	3100	0.0091	14.05	0.0006	0.0366	0.018
			Acenaphthylene	0.00712	0.00032	3100	0.0221	14.05	0.0016	0.0366	0.043
			Anthracene	0.00747	0.00016	3100	0.0232	14.05	0.0016	0.0366	0.045

Table C-12. PAHs Flux Calculations for Kent Station (PSCAA-CW)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Fluorene	0.00464	0.00035	3100	0.0144	14.05	0.0010	0.0366	0.028
			Naphthalene	0.0156	0.00032	3100	0.0484	14.05	0.0034	0.0366	0.094
			Phenanthrene	0.0313	0.00032	3100	0.0970	14.05	0.0069	0.0366	0.189

Table C-13. PAHs Flux Calculations for Kent SC Station (Kent-SC)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
5/31/12											
	L55594-13										
		HPAH									
			Benzo(a)anthracene	0.0125	0.00094	2800	0.0350	28.93	0.0012	0.0366	0.033
			Benzo(a)pyrene	0.0179	0.00047	2800	0.0501	28.93	0.0017	0.0366	0.047
			Benzo(b,j,k)fluoranthene	0.0347	0.00094	2800	0.0972	28.93	0.0034	0.0366	0.092
			Benzo(g,h,i)perylene	0.027	0.00047	2800	0.0756	28.93	0.0026	0.0366	0.071
			Chrysene	0.0303	0.00047	2800	0.0848	28.93	0.0029	0.0366	0.080
			Dibenzo(a,h)anthracene	0.003	0.00094	2800	0.0084	28.93	0.0003	0.0366	0.008
			Fluoranthene	0.0336	0.0012	2800	0.0941	28.93	0.0033	0.0366	0.089
			Indeno(1,2,3-Cd)Pyrene	0.0106	0.00047	2800	0.0297	28.93	0.0010	0.0366	0.028
			Pyrene	0.0432	0.00094	2800	0.1210	28.93	0.0042	0.0366	0.114
		LPAH									
			Acenaphthene	0.00943	0.0019	2800	0.0264	28.93	0.0009	0.0366	0.025
			Acenaphthylene	0.0056	0.0019	2800	0.0157	28.93	0.0005	0.0366	0.015
			Anthracene	0.00724	0.00094	2800	0.0203	28.93	0.0007	0.0366	0.019
			Fluorene	0.0223	0.0021	2800	0.0624	28.93	0.0022	0.0366	0.059
			Naphthalene	0.0755	0.0019	2800	0.2114	28.93	0.0073	0.0366	0.200
			Phenanthrene	0.0332	0.0019	2800	0.0930	28.93	0.0032	0.0366	0.088
6/27/12											
	L55793-14										
		HPAH									
			Benzo(a)anthracene	0.00524	0.00013	3800	0.0199	27.03	0.0007	0.0366	0.020
			Benzo(a)pyrene	0.00601	0.000066	3800	0.0228	27.03	0.0008	0.0366	0.023
			Benzo(b,j,k)fluoranthene	0.0174	0.00013	3800	0.0661	27.03	0.0024	0.0366	0.067
			Benzo(g,h,i)perylene	0.0126	0.000066	3800	0.0479	27.03	0.0018	0.0366	0.048
			Chrysene	0.0147	0.000066	3800	0.0559	27.03	0.0021	0.0366	0.057
			Dibenzo(a,h)anthracene	0.00164	0.00013	3800	0.0062	27.03	0.0002	0.0366	0.006
			Fluoranthene	0.0228	0.00017	3800	0.0866	27.03	0.0032	0.0366	0.088
			Indeno(1,2,3-Cd)Pyrene	0.00546	0.000066	3800	0.0207	27.03	0.0008	0.0366	0.021
			Pyrene	0.0195	0.00013	3800	0.0741	27.03	0.0027	0.0366	0.075
		LPAH									

Table C-13. PAHs Flux Calculations for Kent SC Station (Kent-SC)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.00167	0.00026	3800	0.0063	27.03	0.0002	0.0366	0.006
			Acenaphthylene	0.00314	0.00026	3800	0.0119	27.03	0.0004	0.0366	0.012
			Anthracene	0.00185	0.00013	3800	0.0070	27.03	0.0003	0.0366	0.007
			Fluorene	0.00248	0.00029	3800	0.0094	27.03	0.0003	0.0366	0.010
			Naphthalene	0.0105	0.00026	3800	0.0399	27.03	0.0015	0.0366	0.040
			Phenanthrene	0.0189	0.00026	3800	0.0718	27.03	0.0027	0.0366	0.073
7/19/12											
	L55963-18										
		HPAH									
			Benzo(a)anthracene	0.0263	0.00077	650	0.0171	21.99	0.0008	0.0366	0.021
			Benzo(a)pyrene	0.0396	0.00038	650	0.0257	21.99	0.0012	0.0366	0.032
			Benzo(b,j,k)fluoranthene	0.0986	0.00077	650	0.0641	21.99	0.0029	0.0366	0.080
			Benzo(g,h,i)perylene	0.0776	0.00038	650	0.0504	21.99	0.0023	0.0366	0.063
			Chrysene	0.0863	0.00038	650	0.0561	21.99	0.0026	0.0366	0.070
			Dibenzo(a,h)anthracene	0.00923	0.00077	650	0.0060	21.99	0.0003	0.0366	0.008
			Fluoranthene	0.106	0.001	650	0.0689	21.99	0.0031	0.0366	0.086
			Indeno(1,2,3-Cd)Pyrene	0.0292	0.00038	650	0.0190	21.99	0.0009	0.0366	0.024
			Pyrene	0.1	0.00077	650	0.0650	21.99	0.0030	0.0366	0.081
		LPAH									
			Acenaphthene	0.0046	0.0015	650	0.0030	21.99	0.0001	0.0366	0.004
			Acenaphthylene	0.00953	0.0015	650	0.0062	21.99	0.0003	0.0366	0.008
			Anthracene	--	0.00077	650	0.0003	21.99	0.0000	0.0366	0.000
			Fluorene	0.0101	0.0017	650	0.0066	21.99	0.0003	0.0366	0.008
			Naphthalene	0.0615	0.0015	650	0.0400	21.99	0.0018	0.0366	0.050
7/26/12			Phenanthrene	0.0649	0.0015	650	0.0422	21.99	0.0019	0.0366	0.052
	L56076-14										
		HPAH									
			Benzo(a)anthracene	0.00577	0.00012	4300	0.0248	6.99	0.0035	0.1642	0.022
			Benzo(a)pyrene	0.00694	0.000058	4300	0.0298	6.99	0.0043	0.1642	0.026
			Benzo(b,j,k)fluoranthene	0.02	0.00012	4300	0.0860	6.99	0.0123	0.1642	0.075
			Benzo(g,h,i)perylene	0.0155	0.000058	4300	0.0667	6.99	0.0095	0.1642	0.058
			Chrysene	0.018	0.000058	4300	0.0774	6.99	0.0111	0.1642	0.067

Table C-13. PAHs Flux Calculations for Kent SC Station (Kent-SC)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00175	0.00012	4300	0.0075	6.99	0.0011	0.1642	0.007
			Fluoranthene	0.021	0.00015	4300	0.0903	6.99	0.0129	0.1642	0.079
			Indeno(1,2,3-Cd)Pyrene	0.00621	0.000058	4300	0.0267	6.99	0.0038	0.1642	0.023
			Pyrene	0.0231	0.00012	4300	0.0993	6.99	0.0142	0.1642	0.087
		LPAH									
			Acenaphthene	0.00152	0.00023	4300	0.0065	6.99	0.0009	0.1642	0.006
			Acenaphthylene	--	0.00023	4300	0.0043	6.99	0.0006	0.1642	0.004
			Anthracene	0.00264	0.00012	4300	0.0114	6.99	0.0016	0.1642	0.010
			Fluorene	0.00266	0.00026	4300	0.0114	6.99	0.0016	0.1642	0.010
			Naphthalene	0.0093	0.00023	4300	0.0400	6.99	0.0057	0.1642	0.035
			Phenanthrene	0.0162	0.00023	4300	0.0697	6.99	0.0100	0.1642	0.061
8/16/12											
	L56171-14										
		HPAH									
			Benzo(a)anthracene	0.152	0.0013	400	0.0608	21.03	0.0029	0.1642	0.018
			Benzo(a)pyrene	0.164	0.00063	400	0.0656	21.03	0.0031	0.1642	0.019
			Benzo(b,j,k)fluoranthene	0.477	0.0013	400	0.1908	21.03	0.0091	0.1642	0.055
			Benzo(g,h,i)perylene	0.343	0.00063	400	0.1372	21.03	0.0065	0.1642	0.040
			Chrysene	0.466	0.00063	400	0.1864	21.03	0.0089	0.1642	0.054
			Dibenzo(a,h)anthracene	0.0396	0.0013	400	0.0158	21.03	0.0008	0.1642	0.005
			Fluoranthene	0.512	0.0016	400	0.2048	21.03	0.0097	0.1642	0.059
			Indeno(1,2,3-Cd)Pyrene	0.124	0.00063	400	0.0496	21.03	0.0024	0.1642	0.014
			Pyrene	0.535	0.0013	400	0.2140	21.03	0.0102	0.1642	0.062
		LPAH									
			Acenaphthene	--	0.0025	400	0.0004	21.03	0.0000	0.1642	0.000
			Acenaphthylene	0.0311	0.0025	400	0.0124	21.03	0.0006	0.1642	0.004
			Anthracene	0.0456	0.0013	400	0.0182	21.03	0.0009	0.1642	0.005
			Fluorene	0.0185	0.0028	400	0.0074	21.03	0.0004	0.1642	0.002
			Naphthalene	0.1	0.0025	400	0.0400	21.03	0.0019	0.1642	0.012
			Phenanthrene	0.218	0.0025	400	0.0872	21.03	0.0041	0.1642	0.025
9/6/12											
	L56292-16										

Table C-13. PAHs Flux Calculations for Kent SC Station (Kent-SC)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		HPAH									
			Benzo(a)anthracene	0.234	0.0063	400	0.0936	21.20	0.0044	0.1642	0.027
			Benzo(a)pyrene	0.31	0.0031	400	0.1240	21.20	0.0058	0.1642	0.036
			Benzo(b,j,k)fluoranthene	0.773	0.0063	400	0.3092	21.20	0.0146	0.1642	0.089
			Benzo(g,h,i)perylene	0.474	0.0031	400	0.1896	21.20	0.0089	0.1642	0.055
			Chrysene	0.695	0.0031	400	0.2780	21.20	0.0131	0.1642	0.080
			Dibenzo(a,h)anthracene	0.0555	0.0063	400	0.0222	21.20	0.0010	0.1642	0.006
			Fluoranthene	0.952	0.0081	400	0.3808	21.20	0.0180	0.1642	0.109
			Indeno(1,2,3-Cd)Pyrene	0.207	0.0031	400	0.0828	21.20	0.0039	0.1642	0.024
			Pyrene	0.942	0.0063	400	0.3768	21.20	0.0178	0.1642	0.108
		LPAH									
			Acenaphthene	0.032	0.013	400	0.0128	21.20	0.0006	0.1642	0.004
			Acenaphthylene	0.054	0.013	400	0.0216	21.20	0.0010	0.1642	0.006
			Anthracene	0.0972	0.0063	400	0.0389	21.20	0.0018	0.1642	0.011
			Fluorene	0.041	0.014	400	0.0164	21.20	0.0008	0.1642	0.005
			Naphthalene	0.5	0.013	400	0.2000	21.20	0.0094	0.1642	0.058
			Phenanthrene	0.487	0.013	400	0.1948	21.20	0.0092	0.1642	0.056
10/24/12											
	L56620-6										
		HPAH									
			Benzo(a)anthracene	0.00352	0.00016	3200	0.0113	14.05	0.0008	0.0366	0.022
			Benzo(a)pyrene	0.00316	0.000078	3200	0.0101	14.05	0.0007	0.0366	0.020
			Benzo(b,j,k)fluoranthene	0.0094	0.00016	3200	0.0301	14.05	0.0021	0.0366	0.059
			Benzo(g,h,i)perylene	0.00661	0.000078	3200	0.0212	14.05	0.0015	0.0366	0.041
			Chrysene	0.00851	0.000078	3200	0.0272	14.05	0.0019	0.0366	0.053
			Dibenzo(a,h)anthracene	0.00056	0.00016	3200	0.0018	14.05	0.0001	0.0366	0.004
			Fluoranthene	0.0145	0.0002	3200	0.0464	14.05	0.0033	0.0366	0.090
			Indeno(1,2,3-Cd)Pyrene	0.00312	0.000078	3200	0.0100	14.05	0.0007	0.0366	0.019
			Pyrene	0.0139	0.00016	3200	0.0445	14.05	0.0032	0.0366	0.087
		LPAH									
			Acenaphthene	0.00164	0.00031	3200	0.0052	14.05	0.0004	0.0366	0.010
			Acenaphthylene	0.00225	0.00031	3200	0.0072	14.05	0.0005	0.0366	0.014

Table C-13. PAHs Flux Calculations for Kent SC Station (Kent-SC)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Anthracene	0.00217	0.00016	3200	0.0069	14.05	0.0005	0.0366	0.014
			Fluorene	0.00262	0.00034	3200	0.0084	14.05	0.0006	0.0366	0.016
			Naphthalene	0.0125	0.00031	3200	0.0400	14.05	0.0028	0.0366	0.078
			Phenanthrene	0.0135	0.00031	3200	0.0432	14.05	0.0031	0.0366	0.084

-- Not detected

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
8/25/11											
	L53760-19										
		HPAH									
			Benzo(a)anthracene	0.0115	0.00033	1450	0.0167	29.18	0.0006	0.1642	0.004
			Benzo(a)pyrene	0.0188	0.00017	1450	0.0273	29.18	0.0009	0.1642	0.006
			Benzo(b,j,k)fluoranthene	0.0376	0.00033	1450	0.0545	29.18	0.0019	0.1642	0.011
			Benzo(g,h,i)perylene	0.0185	0.00017	1450	0.0268	29.18	0.0009	0.1642	0.006
			Chrysene	0.0207	0.00017	1450	0.0300	29.18	0.0010	0.1642	0.006
			Dibenzo(a,h)anthracene	0.0035	0.00033	1450	0.0051	29.18	0.0002	0.1642	0.001
			Fluoranthene	0.0333	0.00043	1450	0.0483	29.18	0.0017	0.1642	0.010
			Indeno(1,2,3-Cd)Pyrene	0.0127	0.00017	1450	0.0184	29.18	0.0006	0.1642	0.004
			Pyrene	0.0217	0.00033	1450	0.0315	29.18	0.0011	0.1642	0.007
		LPAH									
			Acenaphthene	0.0013	0.00067	1450	0.0019	29.18	0.0001	0.1642	0.000
			Acenaphthylene	0.00434	0.00067	1450	0.0063	29.18	0.0002	0.1642	0.001
			Anthracene	0.0013	0.00033	1450	0.0019	29.18	0.0001	0.1642	0.000
			Fluorene	0.0032	0.00073	1450	0.0046	29.18	0.0002	0.1642	0.001
			Naphthalene	0.0267	0.00067	1450	0.0387	29.18	0.0013	0.1642	0.008
			Phenanthrene	0.0179	0.00067	1450	0.0260	29.18	0.0009	0.1642	0.005
9/21/11											
	L53845-13										
		HPAH									
			Benzo(a)anthracene	0.00187	0.00011	4700	0.0088	26.94	0.0003	0.1642	0.002
			Benzo(a)pyrene	0.00289	0.000053	4700	0.0136	26.94	0.0005	0.1642	0.003
			Benzo(b,j,k)fluoranthene	0.00946	0.00011	4700	0.0445	26.94	0.0017	0.1642	0.010
			Benzo(g,h,i)perylene	0.00306	0.000053	4700	0.0144	26.94	0.0005	0.1642	0.003
			Chrysene	0.00427	0.000053	4700	0.0201	26.94	0.0007	0.1642	0.005
			Dibenzo(a,h)anthracene	0.000714	0.00011	4700	0.0034	26.94	0.0001	0.1642	0.001
			Fluoranthene	0.00764	0.00014	4700	0.0359	26.94	0.0013	0.1642	0.008
			Indeno(1,2,3-Cd)Pyrene	0.0025	0.000053	4700	0.0118	26.94	0.0004	0.1642	0.003
			Pyrene	0.0057	0.00011	4700	0.0268	26.94	0.0010	0.1642	0.006
		LPAH									

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Acenaphthene	0.00087	0.00021	4700	0.0041	26.94	0.0002	0.1642	0.001
			Acenaphthylene	--	0.00021	4700	0.0046	26.94	0.0002	0.1642	0.001
			Anthracene	--	0.00011	4700	0.0024	26.94	0.0001	0.1642	0.001
			Fluorene	0.00174	0.00023	4700	0.0082	26.94	0.0003	0.1642	0.002
			Naphthalene	0.00851	0.00021	4700	0.0400	26.94	0.0015	0.1642	0.009
9/29/11			Phenanthrene	0.00566	0.00021	4700	0.0266	26.94	0.0010	0.1642	0.006
	L54175-19										
		HPAH									
			Benzo(a)anthracene	--	0.00018	2800	0.0014	7.91	0.0002	0.1642	0.001
			Benzo(a)pyrene	--	0.000091	2800	0.0007	7.91	0.0001	0.1642	0.001
			Benzo(b,j,k)fluoranthene	0.00231	0.00018	2800	0.0065	7.91	0.0008	0.1642	0.005
			Benzo(g,h,i)perylene	--	0.000091	2800	0.0007	7.91	0.0001	0.1642	0.001
			Chrysene	--	0.000091	2800	0.0007	7.91	0.0001	0.1642	0.001
			Dibenzo(a,h)anthracene	--	0.00018	2800	0.0014	7.91	0.0002	0.1642	0.001
			Fluoranthene	0.00238	0.00024	2800	0.0067	7.91	0.0008	0.1642	0.005
			Indeno(1,2,3-Cd)Pyrene	--	0.000091	2800	0.0007	7.91	0.0001	0.1642	0.001
			Pyrene	--	0.00018	2800	0.0014	7.91	0.0002	0.1642	0.001
		LPAH									
			Acenaphthene	--	0.00036	2800	0.0028	7.91	0.0004	0.1642	0.002
			Acenaphthylene	--	0.00036	2800	0.0028	7.91	0.0004	0.1642	0.002
			Anthracene	--	0.00018	2800	0.0014	7.91	0.0002	0.1642	0.001
			Fluorene	--	0.0004	2800	0.0031	7.91	0.0004	0.1642	0.002
			Naphthalene	0.0145	0.00036	2800	0.0406	7.91	0.0051	0.1642	0.031
			Phenanthrene	0.00372	0.00036	2800	0.0104	7.91	0.0013	0.1642	0.008
10/19/11											
	L54294-17										
		HPAH									
			Benzo(a)anthracene	0.00039	0.00016	3250	0.0013	19.99	0.0001	0.0366	0.002
			Benzo(a)pyrene	--	0.000078	3250	0.0008	19.99	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.00227	0.00016	3250	0.0074	19.99	0.0004	0.0366	0.010
			Benzo(g,h,i)perylene	0.00135	0.000078	3250	0.0044	19.99	0.0002	0.0366	0.006
			Chrysene	0.000747	0.000078	3250	0.0024	19.99	0.0001	0.0366	0.003

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Dibenzo(a,h)anthracene	0.00073	0.00016	3250	0.0024	19.99	0.0001	0.0366	0.003
			Fluoranthene	0.00203	0.0002	3250	0.0066	19.99	0.0003	0.0366	0.009
			Indeno(1,2,3-Cd)Pyrene	0.00121	0.000078	3250	0.0039	19.99	0.0002	0.0366	0.005
			Pyrene	0.00156	0.00016	3250	0.0051	19.99	0.0003	0.0366	0.007
		LPAH									
			Acenaphthene	0.00156	0.00031	3250	0.0051	19.99	0.0003	0.0366	0.007
			Acenaphthylene	--	0.00031	3250	0.0033	19.99	0.0002	0.0366	0.005
			Anthracene	--	0.00016	3250	0.0017	19.99	0.0001	0.0366	0.002
			Fluorene	0.0016	0.00034	3250	0.0052	19.99	0.0003	0.0366	0.007
			Naphthalene	0.0125	0.00031	3250	0.0406	19.99	0.0020	0.0366	0.056
			Phenanthrene	0.00531	0.00031	3250	0.0173	19.99	0.0009	0.0366	0.024
11/2/11											
	L54414-13										
		HPAH									
			Benzo(a)anthracene	0.00077	0.00019	2800	0.0022	14.03	0.0002	0.0366	0.004
			Benzo(a)pyrene	--	0.000093	2800	0.0007	14.03	0.0001	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.0016	0.00019	2800	0.0045	14.03	0.0003	0.0366	0.009
			Benzo(g,h,i)perylene	0.000488	0.000093	2800	0.0014	14.03	0.0001	0.0366	0.003
			Chrysene	0.000871	0.000093	2800	0.0024	14.03	0.0002	0.0366	0.005
			Dibenzo(a,h)anthracene	--	0.00019	2800	0.0015	14.03	0.0001	0.0366	0.003
			Fluoranthene	0.00264	0.00024	2800	0.0074	14.03	0.0005	0.0366	0.014
			Indeno(1,2,3-Cd)Pyrene	0.000464	0.000093	2800	0.0013	14.03	0.0001	0.0366	0.003
			Pyrene	0.00203	0.00019	2800	0.0057	14.03	0.0004	0.0366	0.011
		LPAH									
			Acenaphthene	--	0.00037	2800	0.0029	14.03	0.0002	0.0366	0.006
			Acenaphthylene	--	0.00037	2800	0.0029	14.03	0.0002	0.0366	0.006
			Anthracene	--	0.00019	2800	0.0015	14.03	0.0001	0.0366	0.003
			Fluorene	0.0014	0.00041	2800	0.0039	14.03	0.0003	0.0366	0.008
			Naphthalene	0.0148	0.00037	2800	0.0414	14.03	0.0030	0.0366	0.081
11/16/11			Phenanthrene	0.0056	0.00037	2800	0.0157	14.03	0.0011	0.0366	0.031
	L54542-17										
		HPAH									

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)anthracene	0.0004	0.00025	2050	0.0008	14.00	0.0001	0.0366	0.002
			Benzo(a)pyrene	--	0.00013	2050	0.0005	14.00	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.0024	0.00025	2050	0.0049	14.00	0.0004	0.0366	0.010
			Benzo(g,h,i)perylene	0.00104	0.00013	2050	0.0021	14.00	0.0002	0.0366	0.004
			Chrysene	0.0012	0.00013	2050	0.0025	14.00	0.0002	0.0366	0.005
			Dibenzo(a,h)anthracene	--	0.00025	2050	0.0011	14.00	0.0001	0.0366	0.002
			Fluoranthene	0.00325	0.00033	2050	0.0067	14.00	0.0005	0.0366	0.013
			Indeno(1,2,3-Cd)Pyrene	0.000912	0.00013	2050	0.0019	14.00	0.0001	0.0366	0.004
			Pyrene	0.0025	0.00025	2050	0.0051	14.00	0.0004	0.0366	0.010
		LPAH									
			Acenaphthene	--	0.0005	2050	0.0021	14.00	0.0002	0.0366	0.004
			Acenaphthylene	--	0.0005	2050	0.0021	14.00	0.0002	0.0366	0.004
			Anthracene	--	0.00025	2050	0.0011	14.00	0.0001	0.0366	0.002
			Fluorene	0.0016	0.00055	2050	0.0033	14.00	0.0002	0.0366	0.006
			Naphthalene	0.02	0.0005	2050	0.0410	14.00	0.0029	0.0366	0.080
11/22/11			Phenanthrene	0.00548	0.0005	2050	0.0112	14.00	0.0008	0.0366	0.022
	L54658-13										
		HPAH									
			Benzo(a)anthracene	0.00021	0.00017	2850	0.0006	6.00	0.0001	0.0366	0.003
			Benzo(a)pyrene	--	0.000086	2850	0.0007	6.00	0.0001	0.0366	0.003
			Benzo(b,j,k)fluoranthene	0.0013	0.00017	2850	0.0037	6.00	0.0006	0.0366	0.017
			Benzo(g,h,i)perylene	0.00038	0.000086	2850	0.0011	6.00	0.0002	0.0366	0.005
			Chrysene	0.000638	0.000086	2850	0.0018	6.00	0.0003	0.0366	0.008
			Dibenzo(a,h)anthracene	--	0.00017	2850	0.0014	6.00	0.0002	0.0366	0.006
			Fluoranthene	0.00224	0.00022	2850	0.0064	6.00	0.0011	0.0366	0.029
			Indeno(1,2,3-Cd)Pyrene	0.00038	0.000086	2850	0.0011	6.00	0.0002	0.0366	0.005
			Pyrene	0.00172	0.00017	2850	0.0049	6.00	0.0008	0.0366	0.022
		LPAH									
			Acenaphthene	--	0.00034	2850	0.0028	6.00	0.0005	0.0366	0.013
			Acenaphthylene	--	0.00034	2850	0.0028	6.00	0.0005	0.0366	0.013
			Anthracene	--	0.00017	2850	0.0014	6.00	0.0002	0.0366	0.006
			Fluorene	0.00086	0.00038	2850	0.0025	6.00	0.0004	0.0366	0.011

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Naphthalene	0.0138	0.00034	2850	0.0393	6.00	0.0066	0.0366	0.179
11/29/11			Phenanthrene	0.00385	0.00034	2850	0.0110	6.00	0.0018	0.0366	0.050
	L54697-13										
		HPAH									
			Benzo(a)anthracene	0.00019	0.00016	3200	0.0006	7.07	0.0001	0.0366	0.002
			Benzo(a)pyrene	--	0.000078	3200	0.0008	7.07	0.0001	0.0366	0.003
			Benzo(b,j,k)fluoranthene	0.0011	0.00016	3200	0.0035	7.07	0.0005	0.0366	0.014
			Benzo(g,h,i)perylene	0.000401	0.000078	3200	0.0013	7.07	0.0002	0.0366	0.005
			Chrysene	0.00035	0.000078	3200	0.0011	7.07	0.0002	0.0366	0.004
			Dibenzo(a,h)anthracene	--	0.00016	3200	0.0016	7.07	0.0002	0.0366	0.006
			Fluoranthene	0.00203	0.0002	3200	0.0065	7.07	0.0009	0.0366	0.025
			Indeno(1,2,3-Cd)Pyrene	0.00038	0.000078	3200	0.0012	7.07	0.0002	0.0366	0.005
			Pyrene	0.00156	0.00016	3200	0.0050	7.07	0.0007	0.0366	0.019
		LPAH									
			Acenaphthene	0.00033	0.00031	3200	0.0011	7.07	0.0001	0.0366	0.004
			Acenaphthylene	--	0.00031	3200	0.0032	7.07	0.0004	0.0366	0.012
			Anthracene	--	0.00016	3200	0.0016	7.07	0.0002	0.0366	0.006
			Fluorene	0.00089	0.00034	3200	0.0028	7.07	0.0004	0.0366	0.011
			Naphthalene	0.0125	0.00031	3200	0.0400	7.07	0.0057	0.0366	0.155
			Phenanthrene	0.00389	0.00031	3200	0.0124	7.07	0.0018	0.0366	0.048
12/28/11											
	L54719-16										
		HPAH									
			Benzo(a)anthracene	0.00026	0.00022	2300	0.0006	28.93	0.0000	0.0366	0.001
			Benzo(a)pyrene	--	0.00011	2300	0.0006	28.93	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.002	0.00022	2300	0.0046	28.93	0.0002	0.0366	0.004
			Benzo(g,h,i)perylene	0.00123	0.00011	2300	0.0028	28.93	0.0001	0.0366	0.003
			Chrysene	0.000969	0.00011	2300	0.0022	28.93	0.0001	0.0366	0.002
			Dibenzo(a,h)anthracene	0.00022	0.00022	2300	0.0005	28.93	0.0000	0.0366	0.001
			Fluoranthene	0.00283	0.00028	2300	0.0065	28.93	0.0002	0.0366	0.006
			Indeno(1,2,3-Cd)Pyrene	0.00106	0.00011	2300	0.0024	28.93	0.0001	0.0366	0.002
			Pyrene	0.0018	0.00022	2300	0.0041	28.93	0.0001	0.0366	0.004

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		LPAH									
			Acenaphthene	--	0.00043	2300	0.0023	28.93	0.0001	0.0366	0.002
			Acenaphthylene	0.0015	0.00043	2300	0.0035	28.93	0.0001	0.0366	0.003
			Anthracene	--	0.00022	2300	0.0012	28.93	0.0000	0.0366	0.001
			Fluorene	0.0018	0.00048	2300	0.0041	28.93	0.0001	0.0366	0.004
			Naphthalene	0.0174	0.00043	2300	0.0400	28.93	0.0014	0.0366	0.038
			Phenanthrene	0.00827	0.00043	2300	0.0190	28.93	0.0007	0.0366	0.018
1/11/12											
	L54845-15										
		HPAH									
			Benzo(a)anthracene	0.00034	0.00014	3500	0.0012	13.97	0.0001	0.0366	0.002
			Benzo(a)pyrene	--	0.000071	3500	0.0009	13.97	0.0001	0.0366	0.002
			Benzo(b,j,k)fluoranthene	0.00181	0.00014	3500	0.0063	13.97	0.0005	0.0366	0.012
			Benzo(g,h,i)perylene	0.00143	0.000071	3500	0.0050	13.97	0.0004	0.0366	0.010
			Chrysene	0.00123	0.000071	3500	0.0043	13.97	0.0003	0.0366	0.008
			Dibenzo(a,h)anthracene	0.00023	0.00014	3500	0.0008	13.97	0.0001	0.0366	0.002
			Fluoranthene	0.002	0.00019	3500	0.0070	13.97	0.0005	0.0366	0.014
			Indeno(1,2,3-Cd)Pyrene	0.00131	0.000071	3500	0.0046	13.97	0.0003	0.0366	0.009
			Pyrene	0.00172	0.00014	3500	0.0060	13.97	0.0004	0.0366	0.012
		LPAH									
			Acenaphthene	--	0.00029	3500	0.0036	13.97	0.0003	0.0366	0.007
			Acenaphthylene	--	0.00029	3500	0.0036	13.97	0.0003	0.0366	0.007
			Anthracene	--	0.00014	3500	0.0017	13.97	0.0001	0.0366	0.003
			Fluorene	0.0018	0.00031	3500	0.0063	13.97	0.0005	0.0366	0.012
			Naphthalene	0.0114	0.00029	3500	0.0399	13.97	0.0029	0.0366	0.078
1/24/12			Phenanthrene	0.00619	0.00029	3500	0.0217	13.97	0.0016	0.0366	0.042
	L54922-13										
		HPAH									
			Benzo(a)anthracene	0.00048	0.00026	1800	0.0009	13.03	0.0001	0.0366	0.002
			Benzo(a)pyrene	--	0.00013	1800	0.0004	13.03	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.0021	0.00026	1800	0.0038	13.03	0.0003	0.0366	0.008
			Benzo(g,h,i)perylene	0.000882	0.00013	1800	0.0016	13.03	0.0001	0.0366	0.003

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Chrysene	0.00115	0.00013	1800	0.0021	13.03	0.0002	0.0366	0.004
			Dibenzo(a,h)anthracene	--	0.00026	1800	0.0008	13.03	0.0001	0.0366	0.002
			Fluoranthene	0.00342	0.00034	1800	0.0062	13.03	0.0005	0.0366	0.013
			Indeno(1,2,3-Cd)Pyrene	0.000722	0.00013	1800	0.0013	13.03	0.0001	0.0366	0.003
			Pyrene	0.00263	0.00026	1800	0.0047	13.03	0.0004	0.0366	0.010
		LPAH									
			Acenaphthene	--	0.00053	1800	0.0017	13.03	0.0001	0.0366	0.004
			Acenaphthylene	--	0.00053	1800	0.0017	13.03	0.0001	0.0366	0.004
			Anthracene	--	0.00026	1800	0.0008	13.03	0.0001	0.0366	0.002
			Fluorene	0.0014	0.00058	1800	0.0025	13.03	0.0002	0.0366	0.005
			Naphthalene	0.0211	0.00053	1800	0.0380	13.03	0.0029	0.0366	0.080
			Phenanthrene	0.00526	0.00053	1800	0.0095	13.03	0.0007	0.0366	0.020
2/7/12											
	L54980-15										
		HPAH									
			Benzo(a)anthracene	0.00024	0.00016	2800	0.0007	13.98	0.0000	0.0366	0.001
			Benzo(a)pyrene	--	0.000081	2800	0.0006	13.98	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.0013	0.00016	2800	0.0036	13.98	0.0003	0.0366	0.007
			Benzo(g,h,i)perylene	0.000624	0.000081	2800	0.0017	13.98	0.0001	0.0366	0.003
			Chrysene	0.000735	0.000081	2800	0.0021	13.98	0.0001	0.0366	0.004
			Dibenzo(a,h)anthracene	--	0.00016	2800	0.0013	13.98	0.0001	0.0366	0.003
			Fluoranthene	0.0021	0.00021	2800	0.0059	13.98	0.0004	0.0366	0.012
			Indeno(1,2,3-Cd)Pyrene	0.000426	0.000081	2800	0.0012	13.98	0.0001	0.0366	0.002
			Pyrene	0.00215	0.00016	2800	0.0060	13.98	0.0004	0.0366	0.012
		LPAH									
			Acenaphthene	--	0.00032	2800	0.0025	13.98	0.0002	0.0366	0.005
			Acenaphthylene	0.00058	0.00032	2800	0.0016	13.98	0.0001	0.0366	0.003
			Anthracene	--	0.00016	2800	0.0013	13.98	0.0001	0.0366	0.003
			Fluorene	0.0023	0.00035	2800	0.0064	13.98	0.0005	0.0366	0.013
			Naphthalene	0.0129	0.00032	2800	0.0361	13.98	0.0026	0.0366	0.071
2/22/12			Phenanthrene	0.00743	0.00032	2800	0.0208	13.98	0.0015	0.0366	0.041
	L55079-13										

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		HPAH									
			Benzo(a)anthracene	0.00044	0.00013	3900	0.0017	14.24	0.0001	0.0366	0.003
			Benzo(a)pyrene	0.000601	0.000063	3900	0.0023	14.24	0.0002	0.0366	0.005
			Benzo(b,j,k)fluoranthene	0.00215	0.00013	3900	0.0084	14.24	0.0006	0.0366	0.016
			Benzo(g,h,i)perylene	0.00105	0.000063	3900	0.0041	14.24	0.0003	0.0366	0.008
			Chrysene	0.00119	0.000063	3900	0.0046	14.24	0.0003	0.0366	0.009
			Dibenzo(a,h)anthracene	0.00021	0.00013	3900	0.0008	14.24	0.0001	0.0366	0.002
			Fluoranthene	0.00231	0.00016	3900	0.0090	14.24	0.0006	0.0366	0.017
			Indeno(1,2,3-Cd)Pyrene	0.000918	0.000063	3900	0.0036	14.24	0.0003	0.0366	0.007
			Pyrene	0.0012	0.00013	3900	0.0047	14.24	0.0003	0.0366	0.009
		LPAH									
			Acenaphthene	--	0.00025	3900	0.0038	14.24	0.0003	0.0366	0.007
			Acenaphthylene	0.00073	0.00025	3900	0.0028	14.24	0.0002	0.0366	0.006
			Anthracene	--	0.00013	3900	0.0020	14.24	0.0001	0.0366	0.004
			Fluorene	0.00175	0.00028	3900	0.0068	14.24	0.0005	0.0366	0.013
			Naphthalene	0.01	0.00025	3900	0.0390	14.24	0.0027	0.0366	0.075
			Phenanthrene	0.006	0.00025	3900	0.0234	14.24	0.0016	0.0366	0.045
3/15/12											
	L55244-16										
		HPAH									
			Benzo(a)anthracene	0.00069	0.00014	3350	0.0023	9.10	0.0003	0.0366	0.007
			Benzo(a)pyrene	0.000777	0.000071	3350	0.0026	9.10	0.0003	0.0366	0.008
			Benzo(b,j,k)fluoranthene	0.00554	0.00014	3350	0.0186	9.10	0.0020	0.0366	0.056
			Benzo(g,h,i)perylene	0.0016	0.000071	3350	0.0054	9.10	0.0006	0.0366	0.016
			Chrysene	0.00296	0.000071	3350	0.0099	9.10	0.0011	0.0366	0.030
			Dibenzo(a,h)anthracene	0.00029	0.00014	3350	0.0010	9.10	0.0001	0.0366	0.003
			Fluoranthene	0.0046	0.00019	3350	0.0154	9.10	0.0017	0.0366	0.046
			Indeno(1,2,3-Cd)Pyrene	0.00149	0.000071	3350	0.0050	9.10	0.0005	0.0366	0.015
			Pyrene	0.0029	0.00014	3350	0.0097	9.10	0.0011	0.0366	0.029
		LPAH									
			Acenaphthene	--	0.00029	3350	0.0033	9.10	0.0004	0.0366	0.010
			Acenaphthylene	0.0013	0.00029	3350	0.0044	9.10	0.0005	0.0366	0.013

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Anthracene	0.0003	0.00014	3350	0.0010	9.10	0.0001	0.0366	0.003
			Fluorene	0.0014	0.00031	3350	0.0047	9.10	0.0005	0.0366	0.014
			Naphthalene	0.0114	0.00029	3350	0.0382	9.10	0.0042	0.0366	0.115
3/29/12			Phenanthrene	0.00427	0.00029	3350	0.0143	9.10	0.0016	0.0366	0.043
	L55316-15										
		HPAH									
			Benzo(a)anthracene	0.0005	0.00017	2800	0.0014	13.86	0.0001	0.0366	0.003
			Benzo(a)pyrene	--	0.000086	2800	0.0007	13.86	0.0000	0.0366	0.001
			Benzo(b,j,k)fluoranthene	0.00401	0.00017	2800	0.0112	13.86	0.0008	0.0366	0.022
			Benzo(g,h,i)perylene	0.00121	0.000086	2800	0.0034	13.86	0.0002	0.0366	0.007
			Chrysene	0.00248	0.000086	2800	0.0069	13.86	0.0005	0.0366	0.014
			Dibenzo(a,h)anthracene	0.00027	0.00017	2800	0.0008	13.86	0.0001	0.0366	0.002
			Fluoranthene	0.00267	0.00022	2800	0.0075	13.86	0.0005	0.0366	0.015
			Indeno(1,2,3-Cd)Pyrene	0.00122	0.000086	2800	0.0034	13.86	0.0002	0.0366	0.007
			Pyrene	0.00208	0.00017	2800	0.0058	13.86	0.0004	0.0366	0.012
		LPAH									
			Acenaphthene	--	0.00034	2800	0.0027	13.86	0.0002	0.0366	0.005
			Acenaphthylene	0.00057	0.00034	2800	0.0016	13.86	0.0001	0.0366	0.003
			Anthracene	--	0.00017	2800	0.0013	13.86	0.0001	0.0366	0.003
			Fluorene	0.0015	0.00038	2800	0.0042	13.86	0.0003	0.0366	0.008
			Naphthalene	0.0138	0.00034	2800	0.0386	13.86	0.0028	0.0366	0.076
			Phenanthrene	0.00575	0.00034	2800	0.0161	13.86	0.0012	0.0366	0.032
4/19/12											
	L55365-13										
		HPAH									
			Benzo(a)anthracene	0.00059	0.00013	3700	0.0022	20.98	0.0001	0.0366	0.003
			Benzo(a)pyrene	0.000678	0.000066	3700	0.0025	20.98	0.0001	0.0366	0.003
			Benzo(b,j,k)fluoranthene	0.00336	0.00013	3700	0.0124	20.98	0.0006	0.0366	0.016
			Benzo(g,h,i)perylene	0.00115	0.000066	3700	0.0043	20.98	0.0002	0.0366	0.006
			Chrysene	0.00221	0.000066	3700	0.0082	20.98	0.0004	0.0366	0.011
			Dibenzo(a,h)anthracene	0.0002	0.00013	3700	0.0007	20.98	0.0000	0.0366	0.001
			Fluoranthene	0.0032	0.00017	3700	0.0118	20.98	0.0006	0.0366	0.015

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Indeno(1,2,3-Cd)Pyrene	0.000957	0.000066	3700	0.0035	20.98	0.0002	0.0366	0.005
			Pyrene	0.00253	0.00013	3700	0.0094	20.98	0.0004	0.0366	0.012
		LPAH									
			Acenaphthene	--	0.00026	3700	0.0036	20.98	0.0002	0.0366	0.005
			Acenaphthylene	--	0.00026	3700	0.0036	20.98	0.0002	0.0366	0.005
			Anthracene	--	0.00013	3700	0.0018	20.98	0.0001	0.0366	0.002
			Fluorene	0.00185	0.00029	3700	0.0068	20.98	0.0003	0.0366	0.009
			Naphthalene	0.0105	0.00026	3700	0.0389	20.98	0.0019	0.0366	0.051
			Phenanthrene	0.00728	0.00026	3700	0.0269	20.98	0.0013	0.0366	0.035
5/2/12											
	L55530-18										
		HPAH									
			Benzo(a)anthracene	0.00051	0.00012	4400	0.0022	13.05	0.0002	0.0366	0.005
			Benzo(a)pyrene	0.000532	0.000059	4400	0.0023	13.05	0.0002	0.0366	0.005
			Benzo(b,j,k)fluoranthene	0.00274	0.00012	4400	0.0121	13.05	0.0009	0.0366	0.025
			Benzo(g,h,i)perylene	0.0012	0.000059	4400	0.0053	13.05	0.0004	0.0366	0.011
			Chrysene	0.00151	0.000059	4400	0.0066	13.05	0.0005	0.0366	0.014
			Dibenzo(a,h)anthracene	0.00034	0.00012	4400	0.0015	13.05	0.0001	0.0366	0.003
			Fluoranthene	0.00204	0.00015	4400	0.0090	13.05	0.0007	0.0366	0.019
			Indeno(1,2,3-Cd)Pyrene	0.00115	0.000059	4400	0.0051	13.05	0.0004	0.0366	0.011
			Pyrene	0.00118	0.00012	4400	0.0052	13.05	0.0004	0.0366	0.011
		LPAH									
			Acenaphthene	0.00066	0.00024	4400	0.0029	13.05	0.0002	0.0366	0.006
			Acenaphthylene	--	0.00024	4400	0.0046	13.05	0.0004	0.0366	0.010
			Anthracene	--	0.00012	4400	0.0023	13.05	0.0002	0.0366	0.005
			Fluorene	0.00194	0.00026	4400	0.0085	13.05	0.0007	0.0366	0.018
			Naphthalene	0.00941	0.00024	4400	0.0414	13.05	0.0032	0.0366	0.087
			Phenanthrene	0.00663	0.00024	4400	0.0292	13.05	0.0022	0.0366	0.061
6/25/12											
	L55793-17										
		HPAH									
			Benzo(a)anthracene	0.00088	0.00012	4450	0.0039	25.03	0.0002	0.0366	0.004

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Benzo(a)pyrene	0.000818	0.000062	4450	0.0036	25.03	0.0001	0.0366	0.004
			Benzo(b,j,k)fluoranthene	0.00453	0.00012	4450	0.0202	25.03	0.0008	0.0366	0.022
			Benzo(g,h,i)perylene	0.00167	0.000062	4450	0.0074	25.03	0.0003	0.0366	0.008
			Chrysene	0.00192	0.000062	4450	0.0085	25.03	0.0003	0.0366	0.009
			Dibenzo(a,h)anthracene	0.00033	0.00012	4450	0.0015	25.03	0.0001	0.0366	0.002
			Fluoranthene	0.00223	0.00016	4450	0.0099	25.03	0.0004	0.0366	0.011
			Indeno(1,2,3-Cd)Pyrene	0.00145	0.000062	4450	0.0065	25.03	0.0003	0.0366	0.007
			Pyrene	0.00173	0.00012	4450	0.0077	25.03	0.0003	0.0366	0.008
		LPAH									
			Acenaphthene	0.00037	0.00025	4450	0.0016	25.03	0.0001	0.0366	0.002
			Acenaphthylene	--	0.00025	4450	0.0050	25.03	0.0002	0.0366	0.005
			Anthracene	--	0.00012	4450	0.0024	25.03	0.0001	0.0366	0.003
			Fluorene	0.00172	0.00027	4450	0.0077	25.03	0.0003	0.0366	0.008
			Naphthalene	0.00988	0.00025	4450	0.0440	25.03	0.0018	0.0366	0.048
			Phenanthrene	0.00657	0.00025	4450	0.0292	25.03	0.0012	0.0366	0.032
7/19/12											
	L55963-22										
		HPAH									
			Benzo(a)anthracene	0.00174	0.00026	1950	0.0034	23.99	0.0001	0.0366	0.004
			Benzo(a)pyrene	0.00249	0.00013	1950	0.0049	23.99	0.0002	0.0366	0.006
			Benzo(b,j,k)fluoranthene	0.00687	0.00026	1950	0.0134	23.99	0.0006	0.0366	0.015
			Benzo(g,h,i)perylene	0.0032	0.00013	1950	0.0062	23.99	0.0003	0.0366	0.007
			Chrysene	0.00423	0.00013	1950	0.0082	23.99	0.0003	0.0366	0.009
			Dibenzo(a,h)anthracene	0.00042	0.00026	1950	0.0008	23.99	0.0000	0.0366	0.001
			Fluoranthene	0.00526	0.00033	1950	0.0103	23.99	0.0004	0.0366	0.012
			Indeno(1,2,3-Cd)Pyrene	0.0022	0.00013	1950	0.0043	23.99	0.0002	0.0366	0.005
			Pyrene	0.0047	0.00026	1950	0.0092	23.99	0.0004	0.0366	0.010
		LPAH									
			Acenaphthene	0.0021	0.00051	1950	0.0041	23.99	0.0002	0.0366	0.005
			Acenaphthylene	--	0.00051	1950	0.0019	23.99	0.0001	0.0366	0.002
			Anthracene	--	0.00026	1950	0.0010	23.99	0.0000	0.0366	0.001
			Fluorene	0.0021	0.00056	1950	0.0041	23.99	0.0002	0.0366	0.005

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
			Naphthalene	0.0205	0.00051	1950	0.0400	23.99	0.0017	0.0366	0.046
7/26/12			Phenanthrene	0.00513	0.00051	1950	0.0100	23.99	0.0004	0.0366	0.011
	L56076-18										
		HPAH									
			Benzo(a)anthracene	0.00118	0.00018	2850	0.0034	6.98	0.0005	0.1642	0.003
			Benzo(a)pyrene	0.00117	0.000088	2850	0.0033	6.98	0.0005	0.1642	0.003
			Benzo(b,j,k)fluoranthene	0.00322	0.00018	2850	0.0092	6.98	0.0013	0.1642	0.008
			Benzo(g,h,i)perylene	0.0014	0.000088	2850	0.0040	6.98	0.0006	0.1642	0.004
			Chrysene	0.00205	0.000088	2850	0.0058	6.98	0.0008	0.1642	0.005
			Dibenzo(a,h)anthracene	0.00026	0.00018	2850	0.0007	6.98	0.0001	0.1642	0.001
			Fluoranthene	0.00312	0.00023	2850	0.0089	6.98	0.0013	0.1642	0.008
			Indeno(1,2,3-Cd)Pyrene	0.000947	0.000088	2850	0.0027	6.98	0.0004	0.1642	0.002
			Pyrene	0.00316	0.00018	2850	0.0090	6.98	0.0013	0.1642	0.008
		LPAH									
			Acenaphthene	--	0.00035	2850	0.0028	6.98	0.0004	0.1642	0.003
			Acenaphthylene	--	0.00035	2850	0.0028	6.98	0.0004	0.1642	0.003
			Anthracene	--	0.00018	2850	0.0015	6.98	0.0002	0.1642	0.001
			Fluorene	0.0017	0.00039	2850	0.0048	6.98	0.0007	0.1642	0.004
			Naphthalene	0.014	0.00035	2850	0.0399	6.98	0.0057	0.1642	0.035
			Phenanthrene	0.00833	0.00035	2850	0.0237	6.98	0.0034	0.1642	0.021
8/16/12											
	L56171-18										
		HPAH									
			Benzo(a)anthracene	0.0285	0.00083	600	0.0171	21.06	0.0008	0.1642	0.005
			Benzo(a)pyrene	0.0295	0.00042	600	0.0177	21.06	0.0008	0.1642	0.005
			Benzo(b,j,k)fluoranthene	0.0799	0.00083	600	0.0479	21.06	0.0023	0.1642	0.014
			Benzo(g,h,i)perylene	0.0197	0.00042	600	0.0118	21.06	0.0006	0.1642	0.003
			Chrysene	0.0641	0.00042	600	0.0385	21.06	0.0018	0.1642	0.011
			Dibenzo(a,h)anthracene	0.00477	0.00083	600	0.0029	21.06	0.0001	0.1642	0.001
			Fluoranthene	0.142	0.0011	600	0.0852	21.06	0.0040	0.1642	0.025
			Indeno(1,2,3-Cd)Pyrene	0.0159	0.00042	600	0.0095	21.06	0.0005	0.1642	0.003
			Pyrene	0.0933	0.00083	600	0.0560	21.06	0.0027	0.1642	0.016

Table C-14. PAHs Flux Calculations for Enumclaw Station (PSCAA-DF)

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
		LPAH									
			Acenaphthene	0.00833	0.0017	600	0.0050	21.06	0.0002	0.1642	0.001
			Acenaphthylene	0.0076	0.0017	600	0.0046	21.06	0.0002	0.1642	0.001
			Anthracene	0.0124	0.00083	600	0.0074	21.06	0.0004	0.1642	0.002
			Fluorene	--	0.0018	600	0.0006	21.06	0.0000	0.1642	0.000
			Naphthalene	0.0667	0.0017	600	0.0400	21.06	0.0019	0.1642	0.012
			Phenanthrene	0.0667	0.0017	600	0.0400	21.06	0.0019	0.1642	0.012

-- Not Detected

Table C-15. PAHs Flux Calculations for Spike Blank

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
2/22/12											
	L55079-16										
		HPAH									
			Benzo(a)anthracene	0.0539	0.00017	3000	0.1617	15.01	0.0108	NA	NA
			Benzo(a)pyrene	0.00149	0.000083	3000	0.0045	15.01	0.0003	NA	NA
			Benzo(b,j,k)fluoranthene	0.125	0.00017	3000	0.3750	15.01	0.0250	NA	NA
			Benzo(g,h,i)perylene	0.0612	0.000083	3000	0.1836	15.01	0.0122	NA	NA
			Chrysene	0.0639	0.000083	3000	0.1917	15.01	0.0128	NA	NA
			Dibenzo(a,h)anthracene	0.0651	0.00017	3000	0.1953	15.01	0.0130	NA	NA
			Fluoranthene	0.0649	0.00022	3000	0.1947	15.01	0.0130	NA	NA
			Indeno(1,2,3-Cd)Pyrene	0.0655	0.000083	3000	0.1965	15.01	0.0131	NA	NA
			Pyrene	0.0618	0.00017	3000	0.1854	15.01	0.0124	NA	NA
		LPAH									
			Acenaphthene	0.0359	0.00033	3000	0.1077	15.01	0.0072	NA	NA
			Acenaphthylene	0.0124	0.00033	3000	0.0372	15.01	0.0025	NA	NA
			Anthracene	0.0101	0.00017	3000	0.0303	15.01	0.0020	NA	NA
			Fluorene	0.0569	0.00037	3000	0.1707	15.01	0.0114	NA	NA
			Naphthalene	0.0432	0.00033	3000	0.1296	15.01	0.0086	NA	NA
			Phenanthrene	0.046	0.00033	3000	0.1380	15.01	0.0092	NA	NA

Table C-16. PAHs Mass Calculations for Equipment Blank

Collect Date	Sample ID	PAH Group	PAH	Concentration (µg/L)	MDL	Volume (mL)	Total Mass (µg)	Days	Mass per Day (µg/day)	Funnel Area (m^2)	Mass Flux (µg/m^2/day)
8/25/11											
	L53760-24										
		HPAH									
			Benzo(a)anthracene	--	0.00017	3000	0.0015	NA	NA	0.1642	NA
			Benzo(a)pyrene	0.00017	0.000083	3000	0.0005	NA	NA	0.1642	NA
			Benzo(b,j,k)fluoranthene	0.00047	0.00017	3000	0.0014	NA	NA	0.1642	NA
			Benzo(g,h,i)perylene	0.000466	0.000083	3000	0.0014	NA	NA	0.1642	NA
			Chrysene	0.000472	0.000083	3000	0.0014	NA	NA	0.1642	NA
			Dibenzo(a,h)anthracene	--	0.00017	3000	0.0015	NA	NA	0.1642	NA
			Fluoranthene	0.00217	0.00022	3000	0.0065	NA	NA	0.1642	NA
			Indeno(1,2,3-Cd)Pyrene	0.00016	0.000083	3000	0.0005	NA	NA	0.1642	NA
			Pyrene	0.00167	0.00017	3000	0.0050	NA	NA	0.1642	NA
		LPAH									
			Acenaphthene	0.00042	0.00033	3000	0.0013	NA	NA	0.1642	NA
			Acenaphthylene	--	0.00033	3000	0.0030	NA	NA	0.1642	NA
			Anthracene	--	0.00017	3000	0.0015	NA	NA	0.1642	NA
			Fluorene	0.0004	0.00037	3000	0.0012	NA	NA	0.1642	NA
			Naphthalene	0.0133	0.00033	3000	0.0399	NA	NA	0.1642	NA
			Phenanthrene	0.00333	0.00033	3000	0.0100	NA	NA	0.1642	NA

-- Not Detected

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	8.7	0.489	26.535	3.27	0.02
3-MoCB	2	—	3.42	0.489	10.431	1.28	0.01
4-MoCB	3	—	8.44	0.489	25.742	3.17	0.02
2,2'-DiCB	4	—	21.7	0.599	66.185	8.15	0.05
2,3-DiCB	5	—	1.28	0.489	3.904	0.48	0.00
2,3'-DiCB	6	—	11.5	0.489	35.075	4.32	0.03
2,4-DiCB	7	—	4.52	0.489	13.786	1.70	0.01
2,4'-DiCB	8	—	49.8	0.489	151.89	18.70	0.11
2,5-DiCB	9	—	3.57	0.489	10.8885	1.34	0.01
2,6-DiCB	10	—	0.966	0.489	2.9463	0.36	0.00
3,3'-DiCB	11	—	130	0.489	396.5	48.82	0.30
3,4-DiCB	12	12 + 13	5.92	0.489	18.056	2.22	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.489	—	—	—
4,4'-DiCB	15	—	29.3	0.489	89.365	11.00	0.07
2,2',3-TriCB	16	—	22.5	0.517	68.625	8.45	0.05
2,2',4-TriCB	17	—	19.5	0.489	59.475	7.32	0.04
2,2',5-TriCB	18	18 + 30	36.9	0.489	112.545	13.86	0.08
2,2',6-TriCB	19	—	6.66	0.496	20.313	2.50	0.02
2,3,3'-TriCB	20	20 + 28	58.2	0.489	177.51	21.86	0.13
2,3,4-TriCB	21	21 + 33	36.2	0.489	110.41	13.59	0.08
2,3,4'-TriCB	22	—	25.5	0.489	77.775	9.58	0.06
2,3,5-TriCB	23	—	nd	0.489	—	—	—
2,3,6-TriCB	24	—	0.56	0.489	1.708	0.21	0.00
2,3',4-TriCB	25	—	4.33	0.489	13.2065	1.63	0.01
2,3',5-TriCB	26	26 + 29	10.3	0.489	31.415	3.87	0.02
2,3',6-TriCB	27	—	2.56	0.489	7.808	0.96	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	49.7	0.489	151.585	18.66	0.11
2,4',6-TriCB	32	—	12.5	0.489	38.125	4.69	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	0.522	0.489	1.5921	0.20	0.00
3,3',4-TriCB	35	—	5.67	0.489	17.2935	2.13	0.01
3,3',5-TriCB	36	—	0.914	0.489	2.7877	0.34	0.00
3,4,4'-TriCB	37	—	26.4	0.489	80.52	9.91	0.06
3,4,5-TriCB	38	—	nd	0.489	—	—	—
3,4',5-TriCB	39	—	nd	0.489	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	33.2	0.763	101.26	12.47	0.08
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	14.9	0.768	45.445	5.60	0.03
2,2',3,5-TeCB	43	—	2.38	0.933	7.259	0.89	0.01
2,2',3,5'-TeCB	44	44 + 47 + 65	63.6	0.685	193.98	23.88	0.15
2,2',3,6-TeCB	45	45 + 51	10.5	0.738	32.025	3.94	0.02
2,2',3,6'-TeCB	46	—	3.6	0.843	10.98	1.35	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	10.9	0.735	33.245	4.09	0.02
2,2',4,5'-TeCB	49	49 + 69	30	0.631	91.5	11.27	0.07
2,2',4,6-TeCB	50	50 + 53	7.31	0.714	22.2955	2.75	0.02
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	71.1	0.671	216.855	26.70	0.16
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	0.625	0.607	1.90625	0.23	0.00
2,3,3',4-TeCB	55	—	0.874	0.711	2.6657	0.33	0.00
2,3,3',4'-TeCB	56	—	27.1	0.737	82.655	10.18	0.06
2,3,3',5-TeCB	57	—	nd	0.697	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.72	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	4.98	0.576	15.189	1.87	0.01
2,3,4,4'-TeCB	60	—	13.4	0.718	40.87	5.03	0.03

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	110	0.686	335.5	41.31	0.25
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	1.83	0.661	5.5815	0.69	0.00
2,3,4',6-TeCB	64	—	25.7	0.582	78.385	9.65	0.06
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	43.5	0.658	132.675	16.34	0.10
2,3',4,5-TeCB	67	—	1.71	0.626	5.2155	0.64	0.00
2,3',4,5'-TeCB	68	—	0.678	0.663	2.0679	0.25	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.665	—	—	—
2,3',5',6-TeCB	73	—	nd	0.548	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	17.7	0.674	53.985	6.65	0.04
3,3',4,5-TeCB	78	—	nd	0.674	—	—	—
3,3',4,5'-TeCB	79	—	1.58	0.573	4.819	0.59	0.00
3,3',5,5'-TeCB	80	—	nd	0.632	—	—	—
3,4,4',5-TeCB	81	—	3.16	0.674	9.638	1.19	0.01
2,2',3,3',4-PeCB	82	—	17.8	1.27	54.29	6.68	0.04
2,2',3,3',5-PeCB	83	83 + 99	63.8	1.18	194.59	23.96	0.15
2,2',3,3',6-PeCB	84	—	32.5	1.39	99.125	12.21	0.07
2,2',3,4,4'-PeCB	85	85 + 116 + 117	21.5	0.986	65.575	8.07	0.05
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	110	1.05	335.5	41.31	0.25
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	14.4	1.22	43.92	5.41	0.03
2,2',3,4,6'-PeCB	89	—	nd	1.27	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	128	1.08	390.4	48.07	0.29

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	21.4	1.22	65.27	8.04	0.05
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	101	1.2	308.05	37.93	0.23
2,2',3,5,6'-PeCB	94	—	nd	1.34	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.695	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.09	—	—	—
2,2',4,6,6'-PeCB	104	—	0.746	0.681	2.2753	0.28	0.00
2,3,3',4,4'-PeCB	105	—	72.1	1.09	219.905	27.08	0.16
2,3,3',4,5-PeCB	106	—	nd	1.07	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	6.27	1.16	19.1235	2.35	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	9.28	1.02	28.304	3.48	0.02
2,3,3',4',6-PeCB	110	110 + 115	170	0.904	518.5	63.84	0.39
2,3,3',5,5'-PeCB	111	—	nd	0.902	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.934	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	5.43	1.05	16.5615	2.04	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	151	1.08	460.55	56.71	0.35
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.823	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.941	—	—	—
2',3,3',4,5-PeCB	122	—	2.2	1.19	6.71	0.83	0.01
2',3,4,4',5-PeCB	123	—	4.54	1.17	13.847	1.70	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	7.45	1.19	22.7225	2.80	0.02
3,3',4,5,5'-PeCB	127	—	nd	1.08	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	38.7	0.862	118.035	14.53	0.09
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	231	0.882	704.55	86.75	0.53
2,2',3,3',4,5'-HxCB	130	—	13.3	1.06	40.565	4.99	0.03
2,2',3,3',4,6-HxCB	131	—	3.12	1.03	9.516	1.17	0.01
2,2',3,3',4,6'-HxCB	132	—	68.6	1.05	209.23	25.76	0.16
2,2',3,3',5,5'-HxCB	133	—	3.18	1.01	9.699	1.19	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	10.4	1.04	31.72	3.91	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	54	0.727	164.7	20.28	0.12
2,2',3,3',6,6'-HxCB	136	—	18.2	0.609	55.51	6.83	0.04
2,2',3,4,4',5-HxCB	137	—	9.7	1.01	29.585	3.64	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	3.76	0.937	11.468	1.41	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	44	1.02	134.2	16.52	0.10
2,2',3,4,5,6-HxCB	142	—	nd	0.999	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	7.92	0.732	24.156	2.97	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	0.651	—	—	—
2,2',3,4',5,5'-HxCB	146	—	28.9	0.892	88.145	10.85	0.07
2,2',3,4',5,6-HxCB	147	147 + 149	135	0.939	411.75	50.70	0.31
2,2',3,4',5,6'-HxCB	148	—	nd	0.754	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.627	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.593	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	178	0.807	542.9	66.85	0.41
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	2.99	0.519	9.1195	1.12	0.01
2,3,3',4,4',5-HxCB	156	156 + 157	38.2	0.822	116.51	14.35	0.09
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	22.9	0.709	69.845	8.60	0.05
2,3,3',4,5,5'-HxCB	159	—	2.31	0.724	7.0455	0.87	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	0.762	—	—	—
2,3,3',4',5,5'-HxCB	162	—	1.04	0.737	3.172	0.39	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	16	0.77	48.8	6.01	0.04
2,3,3',5,5',6-HxCB	165	—	nd	0.846	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	14.6	0.69	44.53	5.48	0.03
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	5.32	0.73	16.226	2.00	0.01
2,2',3,3',4,4',5-HpCB	170	—	57.3	0.744	174.765	21.52	0.13
2,2',3,3',4,4',6-HpCB	171	171 + 173	14.8	0.73	45.14	5.56	0.03
2,2',3,3',4,5,5'-HpCB	172	—	11.3	0.719	34.465	4.24	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	51.5	0.691	157.075	19.34	0.12
2,2',3,3',4,5',6-HpCB	175	—	2.81	0.673	8.5705	1.06	0.01
2,2',3,3',4,6,6'-HpCB	176	—	6.52	0.561	19.886	2.45	0.01
2,2',3,3',4',5,6-HpCB	177	—	29.4	0.729	89.67	11.04	0.07
2,2',3,3',5,5',6-HpCB	178	—	12.1	0.719	36.905	4.54	0.03
2,2',3,3',5,6,6'-HpCB	179	—	19	0.536	57.95	7.14	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	144	0.613	439.2	54.08	0.33

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	3050
KC Sample ID	L54175-1	**Days**	8.12
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	0.709	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	5.76	0.691	17.568	2.16	0.01
2,2',3,4,4',5',6-HpCB	183	183 + 185	42.7	0.702	130.235	16.04	0.10
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.544	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.595	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	79.2	0.678	241.56	29.74	0.18
2,2',3,4',5,6,6'-HpCB	188	—	5.4	0.516	16.47	2.03	0.01
2,3,3',4,4',5,5'-HpCB	189	—	8.13	0.768	24.7965	3.05	0.02
2,3,3',4,4',5,6-HpCB	190	—	12.7	0.555	38.735	4.77	0.03
2,3,3',4,4',5',6-HpCB	191	—	2.09	0.533	6.3745	0.78	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	0.587	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	57	0.768	173.85	21.41	0.13
2,2',3,3',4,4',5,6-OcCB	195	—	14.6	0.828	44.53	5.48	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	0.835	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	8.74	0.603	26.657	3.28	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	94.3	0.828	287.615	35.41	0.22
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	9.93	0.606	30.2865	3.73	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	23.8	0.649	72.59	8.94	0.05
2,2',3,4,4',5,5',6-OcCB	203	—	61	0.811	186.05	22.91	0.14
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.613	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	8.78	0.7	26.779	3.30	0.02
2,2',3,3',4,4',5,5',6-NoCB	206	—	86.2	3.49	262.91	32.37	0.20
2,2',3,3',4,4',5,6,6'-NoCB	207	—	11.1	2.67	33.855	4.17	0.03
2,2',3,3',4,5,5',6,6'-NoCB	208	—	40.8	2.58	124.44	15.32	0.09
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	22.2	1.27	67.71	8.34	0.05

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	8.34	0.493	16.68	0.83	0.02
3-MoCB	2	—	3.87	0.493	7.74	0.39	0.01
4-MoCB	3	—	13.2	0.493	26.4	1.32	0.04
2,2'-DiCB	4	—	29.2	0.931	58.4	2.92	0.08
2,3-DiCB	5	—	1.68	0.673	3.36	0.17	0.00
2,3'-DiCB	6	—	12.8	0.594	25.6	1.28	0.03
2,4-DiCB	7	—	4.53	0.615	9.06	0.45	0.01
2,4'-DiCB	8	—	56.8	0.55	113.6	5.67	0.15
2,5-DiCB	9	—	4.28	0.594	8.56	0.43	0.01
2,6-DiCB	10	—	1.18	0.587	2.36	0.12	0.00
3,3'-DiCB	11	—	83	0.594	166	8.29	0.23
3,4-DiCB	12	12 + 13	5.09	0.601	10.18	0.51	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.587	—	—	—
4,4'-DiCB	15	—	24.1	0.596	48.2	2.41	0.07
2,2',3-TriCB	16	—	21.1	0.596	42.2	2.11	0.06
2,2',4-TriCB	17	—	17.6	0.496	35.2	1.76	0.05
2,2',5-TriCB	18	18 + 30	36.7	0.493	73.4	3.66	0.10
2,2',6-TriCB	19	—	6.75	0.635	13.5	0.67	0.02
2,3,3'-TriCB	20	20 + 28	42.1	0.493	84.2	4.20	0.11
2,3,4-TriCB	21	21 + 33	28.4	0.493	56.8	2.84	0.08
2,3,4'-TriCB	22	—	18.6	0.493	37.2	1.86	0.05
2,3,5-TriCB	23	—	nd	0.493	—	—	—
2,3,6-TriCB	24	—	0.655	0.493	1.31	0.07	0.00
2,3',4-TriCB	25	—	3.41	0.493	6.82	0.34	0.01
2,3',5-TriCB	26	26 + 29	7.99	0.493	15.98	0.80	0.02
2,3',6-TriCB	27	—	2.48	0.493	4.96	0.25	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	38.4	0.493	76.8	3.83	0.10
2,4',6-TriCB	32	—	10.8	0.493	21.6	1.08	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	0.589	0.493	1.178	0.06	0.00
3,3',4-TriCB	35	—	3.02	0.493	6.04	0.30	0.01
3,3',5-TriCB	36	—	nd	0.493	—	—	—
3,4,4'-TriCB	37	—	15.5	0.493	31	1.55	0.04
3,4,5-TriCB	38	—	nd	0.493	—	—	—
3,4',5-TriCB	39	—	nd	0.493	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	19.2	0.767	38.4	1.92	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	8.41	0.771	16.82	0.84	0.02
2,2',3,5-TeCB	43	—	nd	0.937	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	40.1	0.688	80.2	4.00	0.11
2,2',3,6-TeCB	45	45 + 51	7.07	0.742	14.14	0.71	0.02
2,2',3,6'-TeCB	46	—	1.93	0.847	3.86	0.19	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	5.92	0.739	11.84	0.59	0.02
2,2',4,5'-TeCB	49	49 + 69	18.6	0.634	37.2	1.86	0.05
2,2',4,6-TeCB	50	50 + 53	4.51	0.717	9.02	0.45	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	52.9	0.675	105.8	5.28	0.14
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.634	—	—	—
2,3,3',4-TeCB	55	—	nd	0.668	—	—	—
2,3,3',4'-TeCB	56	—	15.4	0.692	30.8	1.54	0.04
2,3,3',5-TeCB	57	—	nd	0.654	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.676	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	2.67	0.579	5.34	0.27	0.01
2,3,4,4'-TeCB	60	—	8.01	0.675	16.02	0.80	0.02

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	62.1	0.645	124.2	6.20	0.17
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	0.911	0.621	1.822	0.09	0.00
2,3,4',6-TeCB	64	—	16	0.585	32	1.60	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	24.3	0.619	48.6	2.43	0.07
2,3',4,5-TeCB	67	—	0.925	0.588	1.85	0.09	0.00
2,3',4,5'-TeCB	68	—	0.627	0.623	1.254	0.06	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.625	—	—	—
2,3',5',6-TeCB	73	—	nd	0.55	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	7.63	0.619	15.26	0.76	0.02
3,3',4,5-TeCB	78	—	nd	0.633	—	—	—
3,3',4,5'-TeCB	79	—	0.992	0.538	1.984	0.10	0.00
3,3',5,5'-TeCB	80	—	nd	0.594	—	—	—
3,4,4',5-TeCB	81	—	1.72	0.636	3.44	0.17	0.00
2,2',3,3',4-PeCB	82	—	11.5	1.12	23	1.15	0.03
2,2',3,3',5-PeCB	83	83 + 99	39.7	1.04	79.4	3.96	0.11
2,2',3,3',6-PeCB	84	—	25.8	1.23	51.6	2.58	0.07
2,2',3,4,4'-PeCB	85	85 + 116 + 117	14	0.867	28	1.40	0.04
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	67.4	0.923	134.8	6.73	0.18
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	10.7	1.07	21.4	1.07	0.03
2,2',3,4,6'-PeCB	89	—	nd	1.11	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	85.1	0.952	170.2	8.50	0.23

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	16.2	1.07	32.4	1.62	0.04
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	74.8	1.06	149.6	7.47	0.20
2,2',3,5,6'-PeCB	94	—	nd	1.18	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	0.82	0.745	1.64	0.08	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	0.957	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	0.73	—	—	—
2,3,3',4,4'-PeCB	105	—	39.5	0.675	79	3.94	0.11
2,3,3',4,5-PeCB	106	—	nd	0.659	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	4.3	0.709	8.6	0.43	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	6.1	0.627	12.2	0.61	0.02
2,3,3',4',6-PeCB	110	110 + 115	112	0.795	224	11.18	0.31
2,3,3',5,5'-PeCB	111	—	nd	0.793	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.822	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	2.37	0.649	4.74	0.24	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	84.8	0.654	169.6	8.47	0.23
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.724	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.827	—	—	—
2',3,3',4,5-PeCB	122	—	1.02	0.729	2.04	0.10	0.00
2',3,4,4',5-PeCB	123	—	1.94	0.708	3.88	0.19	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	2.26	0.738	4.52	0.23	0.01
3,3',4,5,5'-PeCB	127	—	nd	0.66	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	25.2	1.41	50.4	2.52	0.07
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	147	1.45	294	14.68	0.40
2,2',3,3',4,5'-HxCB	130	—	10.3	1.74	20.6	1.03	0.03
2,2',3,3',4,6-HxCB	131	—	nd	1.68	—	—	—
2,2',3,3',4,6'-HxCB	132	—	50.6	1.72	101.2	5.05	0.14
2,2',3,3',5,5'-HxCB	133	—	nd	1.65	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	7.02	1.7	14.04	0.70	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	35.5	0.763	71	3.54	0.10
2,2',3,3',6,6'-HxCB	136	—	13.9	0.639	27.8	1.39	0.04
2,2',3,4,4',5-HxCB	137	—	7.78	1.65	15.56	0.78	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	1.85	1.54	3.7	0.18	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	27.3	1.67	54.6	2.73	0.07
2,2',3,4,5,6-HxCB	142	—	nd	1.64	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	5.98	0.768	11.96	0.60	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	0.683	—	—	—
2,2',3,4',5,5'-HxCB	146	—	18.8	1.46	37.6	1.88	0.05
2,2',3,4',5,6-HxCB	147	147 + 149	93.4	1.54	186.8	9.33	0.25
2,2',3,4',5,6'-HxCB	148	—	nd	0.79	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.657	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.622	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	109	1.32	218	10.88	0.30
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	0.633	0.528	1.266	0.06	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	19.2	1.39	38.4	1.92	0.05
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	14.6	1.16	29.2	1.46	0.04
2,3,3',4,5,5'-HxCB	159	—	nd	1.19	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.25	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.21	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	11.5	1.26	23	1.15	0.03
2,3,3',5,5',6-HxCB	165	—	nd	1.39	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	5.84	1.12	11.68	0.58	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	2.02	1.18	4.04	0.20	0.01
2,2',3,3',4,4',5-HpCB	170	—	25.7	0.98	51.4	2.57	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	7.97	0.948	15.94	0.80	0.02
2,2',3,3',4,5,5'-HpCB	172	—	4.01	0.934	8.02	0.40	0.01
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	27.6	0.898	55.2	2.76	0.08
2,2',3,3',4,5',6-HpCB	175	—	1.27	0.875	2.54	0.13	0.00
2,2',3,3',4,6,6'-HpCB	176	—	3.39	0.728	6.78	0.34	0.01
2,2',3,3',4',5,6-HpCB	177	—	16	0.947	32	1.60	0.04
2,2',3,3',5,5',6-HpCB	178	—	6.08	0.935	12.16	0.61	0.02
2,2',3,3',5,6,6'-HpCB	179	—	12.4	0.696	24.8	1.24	0.03
2,2',3,4,4',5,5'-HpCB	180	180 + 193	64	0.82	128	6.39	0.17

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG38263	**Total Volume (mL)**	2000
KC Sample ID	L54294-1	**Days**	20.03
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	0.92	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	0.898	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	20.4	0.912	40.8	2.04	0.06
2,2',3,4,4',6,6'-HpCB	184	—	0.857	0.706	1.714	0.09	0.00
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.773	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	37.4	0.88	74.8	3.73	0.10
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.652	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	1.65	0.634	3.3	0.16	0.00
2,3,3',4,4',5,6-HpCB	190	—	5.58	0.721	11.16	0.56	0.02
2,3,3',4,4',5',6-HpCB	191	—	1.54	0.692	3.08	0.15	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	0.762	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	15	0.719	30	1.50	0.04
2,2',3,3',4,4',5,6-OcCB	195	—	5.89	0.775	11.78	0.59	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	9.52	0.896	19.04	0.95	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	3.29	0.647	6.58	0.33	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	22.6	0.887	45.2	2.26	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	2.25	0.65	4.5	0.22	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	4.82	0.729	9.64	0.48	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	14.1	0.869	28.2	1.41	0.04
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.657	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	0.914	0.63	1.828	0.09	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	13.4	2.61	26.8	1.34	0.04
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.03	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	3.22	2	6.44	0.32	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.89	0.861	7.78	0.39	0.01

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	9.95	1.13	12.935	0.92	0.03
3-MoCB	2	—	6.61	1.23	8.593	0.61	0.02
4-MoCB	3	—	19.5	1.19	25.35	1.81	0.05
2,2'-DiCB	4	—	14.9	2.54	19.37	1.38	0.04
2,3-DiCB	5	—	—	1.7	—	—	—
2,3'-DiCB	6	—	6.81	1.49	8.853	0.63	0.02
2,4-DiCB	7	—	6.65	1.53	8.645	0.62	0.02
2,4'-DiCB	8	—	31.2	5.04	40.56	2.90	0.08
2,5-DiCB	9	—	2.22	1.48	2.886	0.21	0.01
2,6-DiCB	10	—	—	1.47	—	—	—
3,3'-DiCB	11	—	51.2	6.57	66.56	4.76	0.13
3,4-DiCB	12	12 + 13	7.22	1.66	9.386	0.67	0.02
3,4'-DiCB	13	12 + 13	—	—	—	—	—
3,5-DiCB	14	—	—	1.55	—	—	—
4,4'-DiCB	15	—	25.2	1.56	32.76	2.34	0.06
2,2',3-TriCB	16	—	15.3	1.71	19.89	1.42	0.04
2,2',4-TriCB	17	—	14	1.53	18.2	1.30	0.04
2,2',5-TriCB	18	18 + 30	27.3	3.91	35.49	2.54	0.07
2,2',6-TriCB	19	—	4.03	1.63	5.239	0.37	0.01
2,3,3'-TriCB	20	20 + 28	45.8	1.53	59.54	4.26	0.12
2,3,4-TriCB	21	21 + 33	30.5	1.48	39.65	2.83	0.08
2,3,4'-TriCB	22	—	21.2	1.72	27.56	1.97	0.05
2,3,5-TriCB	23	—	—	1.52	—	—	—
2,3,6-TriCB	24	—	—	1.09	—	—	—
2,3',4-TriCB	25	—	2.71	1.31	3.523	0.25	0.01
2,3',5-TriCB	26	26 + 29	8.41	1.5	10.933	0.78	0.02
2,3',6-TriCB	27	—	2.26	1.09	2.938	0.21	0.01
2,4,4'-TriCB	28	20 + 28	—	—	—	—	—
2,4,5-TriCB	29	26 + 29	—	—	—	—	—
2,4,6-TriCB	30	18 + 30	—	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	40.7	1.42	52.91	3.78	0.10
2,4',6-TriCB	32	—	10.2	1.4	13.26	0.95	0.03
2',3,4-TriCB	33	21 + 33	—	—	—	—	—
2',3,5-TriCB	34	—	—	1.51	—	—	—
3,3',4-TriCB	35	—	—	1.6	—	—	—
3,3',5-TriCB	36	—	—	1.56	—	—	—
3,4,4'-TriCB	37	—	11.9	1.48	15.47	1.11	0.03
3,4,5-TriCB	38	—	—	1.61	—	—	—
3,4',5-TriCB	39	—	—	1.58	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	15.8	1.86	20.54	1.47	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	—	—	—	—	—
2,2',3,4'-TeCB	42	—	6.75	1.83	8.775	0.63	0.02
2,2',3,5-TeCB	43	—	—	2.39	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	35.1	1.7	45.63	3.26	0.09
2,2',3,6-TeCB	45	45 + 51	6.49	1.78	8.437	0.60	0.02
2,2',3,6'-TeCB	46	—	—	2.12	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	—	—	—	—	—
2,2',4,5-TeCB	48	—	6.38	1.88	8.294	0.59	0.02
2,2',4,5'-TeCB	49	49 + 69	17.9	1.6	23.27	1.66	0.05
2,2',4,6-TeCB	50	50 + 53	4.83	1.71	6.279	0.45	0.01
2,2',4,6'-TeCB	51	45 + 51	—	—	—	—	—
2,2',5,5'-TeCB	52	—	49.2	1.99	63.96	4.57	0.12
2,2',5,6'-TeCB	53	50 + 53	—	—	—	—	—
2,2',6,6'-TeCB	54	—	—	1.27	—	—	—
2,3,3',4-TeCB	55	—	—	1.68	—	—	—
2,3,3',4'-TeCB	56	—	12.7	1.7	16.51	1.18	0.03
2,3,3',5-TeCB	57	—	—	1.49	—	—	—
2,3,3',5'-TeCB	58	—	—	1.51	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	2.76	1.39	3.588	0.26	0.01
2,3,4,4'-TeCB	60	—	8.76	1.69	11.388	0.81	0.02

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	56.1	1.51	72.93	5.21	0.14
2,3,4,6-TeCB	62	59 + 62 + 75	—	—	—	—	—
2,3,4',5-TeCB	63	—	—	1.52	—	—	—
2,3,4',6-TeCB	64	—	12.2	1.3	15.86	1.13	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	—	—	—	—	—
2,3',4,4'-TeCB	66	—	22.5	1.49	29.25	2.09	0.06
2,3',4,5-TeCB	67	—	—	1.42	—	—	—
2,3',4,5'-TeCB	68	—	—	1.56	—	—	—
2,3',4,6-TeCB	69	49 + 69	—	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	—	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	—	—	—	—	—
2,3',5,5'-TeCB	72	—	—	1.5	—	—	—
2,3',5',6-TeCB	73	—	—	1.45	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	—	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	—	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	—	—	—	—	—
3,3',4,4'-TeCB	77	—	4.11	1.15	5.343	0.38	0.01
3,3',4,5-TeCB	78	—	—	1.47	—	—	—
3,3',4,5'-TeCB	79	—	—	1.27	—	—	—
3,3',5,5'-TeCB	80	—	—	1.44	—	—	—
3,4,4',5-TeCB	81	—	—	1.38	—	—	—
2,2',3,3',4-PeCB	82	—	8.11	2.19	10.543	0.75	0.02
2,2',3,3',5-PeCB	83	83 + 99	25.7	2.18	33.41	2.39	0.07
2,2',3,3',6-PeCB	84	—	14.5	2.61	18.85	1.35	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	8.83	1.63	11.479	0.82	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	42.8	1.76	55.64	3.98	0.11
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	5.85	2.2	7.605	0.54	0.01
2,2',3,4,6'-PeCB	89	—	—	2.41	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	51.6	1.9	67.08	4.79	0.13

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	—	—	—	—	—
2,2',3,5,5'-PeCB	92	—	9.15	2.23	11.895	0.85	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	37.5	2.12	48.75	3.48	0.10
2,2',3,5,6'-PeCB	94	—	—	2.41	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',3,6,6'-PeCB	96	—	—	1.33	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	—	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	—	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5',6-PeCB	103	—	—	1.98	—	—	—
2,2',4,6,6'-PeCB	104	—	—	1.46	—	—	—
2,3,3',4,4'-PeCB	105	—	29.5	1.34	38.35	2.74	0.07
2,3,3',4,5-PeCB	106	—	—	1.39	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	2.87	1.54	3.731	0.27	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3,3',4,6-PeCB	109	—	3.32	1.47	4.316	0.31	0.01
2,3,3',4',6-PeCB	110	110 + 115	68.8	1.46	89.44	6.39	0.17
2,3,3',5,5'-PeCB	111	—	—	1.48	—	—	—
2,3,3',5,6-PeCB	112	—	—	1.49	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	—	—	—	—	—
2,3,4,4',5-PeCB	114	—	—	1.42	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	—	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	—	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	—	—	—	—	—
2,3',4,4',5-PeCB	118	—	57	1.36	74.1	5.30	0.14
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3',4,5,5'-PeCB	120	—	—	1.38	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	—	1.7	—	—	—
2',3,3',4,5-PeCB	122	—	—	1.67	—	—	—
2',3,4,4',5-PeCB	123	—	—	1.47	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	—	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
3,3',4,4',5-PeCB	126	—	—	1.56	—	—	—
3,3',4,5,5'-PeCB	127	—	—	1.57	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	22.5	6.48	29.25	2.09	0.06
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	105	2.61	136.5	9.76	0.27
2,2',3,3',4,5'-HxCB	130	—	5.14	3.23	6.682	0.48	0.01
2,2',3,3',4,6-HxCB	131	—	—	2.97	—	—	—
2,2',3,3',4,6'-HxCB	132	—	33.3	3.26	43.29	3.09	0.08
2,2',3,3',5,5'-HxCB	133	—	—	3.05	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	4.3	3.12	5.59	0.40	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	18.5	1.61	24.05	1.72	0.05
2,2',3,3',6,6'-HxCB	136	—	6.41	1.31	8.333	0.60	0.02
2,2',3,4,4',5-HxCB	137	—	4.7	3.03	6.11	0.44	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	—	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	—	2.83	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	—	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	16.7	2.93	21.71	1.55	0.04
2,2',3,4,5,6-HxCB	142	—	—	3.05	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	—	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	3.18	1.61	4.134	0.30	0.01
2,2',3,4,6,6'-HxCB	145	—	—	1.37	—	—	—
2,2',3,4',5,5'-HxCB	146	—	12.4	2.75	16.12	1.15	0.03
2,2',3,4',5,6-HxCB	147	147 + 149	55.3	2.72	71.89	5.14	0.14
2,2',3,4',5,6'-HxCB	148	—	—	1.67	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	—	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	—	1.35	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	—	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	—	1.3	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	67.8	2.35	88.14	6.30	0.17
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	—	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	—	1.25	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	11.9	2.43	15.47	1.11	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	—	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	10.4	2.01	13.52	0.97	0.03
2,3,3',4,5,5'-HxCB	159	—	—	2.19	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	—	2.09	—	—	—
2,3,3',4',5,5'-HxCB	162	—	—	2.29	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	5.96	2.18	7.748	0.55	0.02
2,3,3',5,5',6-HxCB	165	—	—	2.5	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	—	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	3.89	1.6	5.057	0.36	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	—	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	—	1.75	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	18.3	1.71	23.79	1.70	0.05
2,2',3,3',4,4',6-HpCB	171	171 + 173	7.71	2.01	10.023	0.72	0.02
2,2',3,3',4,5,5'-HpCB	172	—	3.81	2.06	4.953	0.35	0.01
2,2',3,3',4,5,6-HpCB	173	171 + 173	—	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	21.5	1.88	27.95	2.00	0.05
2,2',3,3',4,5',6-HpCB	175	—	—	1.81	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	2.29	1.4	2.977	0.21	0.01
2,2',3,3',4',5,6-HpCB	177	—	12.4	1.94	16.12	1.15	0.03
2,2',3,3',5,5',6-HpCB	178	—	4.57	1.92	5.941	0.42	0.01
2,2',3,3',5,6,6'-HpCB	179	—	8.63	1.33	11.219	0.80	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	47.9	1.73	62.27	4.45	0.12

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	1300
KC Sample ID	L54542-1	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	—	1.9	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	—	1.77	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	15.9	1.83	20.67	1.48	0.04
2,2',3,4,4',6,6'-HpCB	184	—	—	1.33	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	—	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	—	1.46	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	27.2	6.52	35.36	2.53	0.07
2,2',3,4',5,6,6'-HpCB	188	—	—	1.21	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	—	1.49	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	3.42	1.44	4.446	0.32	0.01
2,3,3',4,4',5',6-HpCB	191	—	—	1.43	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	—	1.58	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	—	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	13.8	2.13	17.94	1.28	0.04
2,2',3,3',4,4',5,6-OcCB	195	—	4	2.19	5.2	0.37	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	7.09	1.92	9.217	0.66	0.02
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	2.92	1.38	3.796	0.27	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	20.2	6.92	26.26	1.88	0.05
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	—	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	—	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	2.96	1.45	3.848	0.28	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	4.45	1.44	5.785	0.41	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	12	1.78	15.6	1.12	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	—	1.36	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	—	1.58	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	9.47	3.51	12.311	0.88	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	—	2.96	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	3.23	2.94	4.199	0.30	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.65	2.03	4.745	0.34	0.01

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	8.16	3.02	19.584	1.40	0.04
3-MoCB	2	—	5.18	3.13	12.432	0.89	0.02
4-MoCB	3	—	16.7	0.827	40.08	2.87	0.08
2,2'-DiCB	4	—	13.2	3.32	31.68	2.27	0.06
2,3-DiCB	5	—	nd	2.32	—	—	—
2,3'-DiCB	6	—	5.63	2.03	13.512	0.97	0.03
2,4-DiCB	7	—	3.2	2.08	7.68	0.55	0.02
2,4'-DiCB	8	—	26.1	6.34	62.64	4.49	0.12
2,5-DiCB	9	—	2.44	2.02	5.856	0.42	0.01
2,6-DiCB	10	—	nd	2.01	—	—	—
3,3'-DiCB	11	—	31.1	2.21	74.64	5.35	0.15
3,4-DiCB	12	12 + 13	7.43	2.26	17.832	1.28	0.03
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.11	—	—	—
4,4'-DiCB	15	—	15.4	2.18	36.96	2.65	0.07
2,2',3-TriCB	16	—	9.19	1.53	22.056	1.58	0.04
2,2',4-TriCB	17	—	8.76	1.36	21.024	1.51	0.04
2,2',5-TriCB	18	18 + 30	17.6	5.41	42.24	3.03	0.08
2,2',6-TriCB	19	—	3.45	1.49	8.28	0.59	0.02
2,3,3'-TriCB	20	20 + 28	17.5	1.26	42	3.01	0.08
2,3,4-TriCB	21	21 + 33	11.6	1.21	27.84	2.00	0.05
2,3,4'-TriCB	22	—	7.96	1.41	19.104	1.37	0.04
2,3,5-TriCB	23	—	nd	1.25	—	—	—
2,3,6-TriCB	24	—	nd	0.973	—	—	—
2,3',4-TriCB	25	—	1.29	1.07	3.096	0.22	0.01
2,3',5-TriCB	26	26 + 29	3.55	1.23	8.52	0.61	0.02
2,3',6-TriCB	27	—	1.62	0.97	3.888	0.28	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	16.5	1.17	39.6	2.84	0.08
2,4',6-TriCB	32	—	4.83	1.15	11.592	0.83	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.24	—	—	—
3,3',4-TriCB	35	—	nd	1.32	—	—	—
3,3',5-TriCB	36	—	nd	1.28	—	—	—
3,4,4'-TriCB	37	—	4.41	1.2	10.584	0.76	0.02
3,4,5-TriCB	38	—	nd	1.32	—	—	—
3,4',5-TriCB	39	—	nd	1.3	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	6.82	2.29	16.368	1.17	0.03
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	nd	2.24	—	—	—
2,2',3,5-TeCB	43	—	nd	2.94	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	18.7	2.09	44.88	3.22	0.09
2,2',3,6-TeCB	45	45 + 51	2.94	2.18	7.056	0.51	0.01
2,2',3,6'-TeCB	46	—	nd	2.59	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.84	2.3	6.816	0.49	0.01
2,2',4,5'-TeCB	49	49 + 69	7.3	1.96	17.52	1.26	0.03
2,2',4,6-TeCB	50	50 + 53	2.11	2.1	5.064	0.36	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	27	2.44	64.8	4.64	0.13
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.3	—	—	—
2,3,3',4-TeCB	55	—	nd	1.88	—	—	—
2,3,3',4'-TeCB	56	—	6.44	1.89	15.456	1.11	0.03
2,3,3',5-TeCB	57	—	nd	1.67	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.69	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.7	—	—	—
2,3,4,4'-TeCB	60	—	2.99	1.88	7.176	0.51	0.01

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	32.6	1.69	78.24	5.61	0.15
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.69	—	—	—
2,3,4',6-TeCB	64	—	6.44	1.6	15.456	1.11	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	11.2	1.66	26.88	1.93	0.05
2,3',4,5-TeCB	67	—	nd	1.58	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.75	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.67	—	—	—
2,3',5',6-TeCB	73	—	nd	1.78	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	nd	1.4	—	—	—
3,3',4,5-TeCB	78	—	nd	1.64	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.42	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.61	—	—	—
3,4,4',5-TeCB	81	—	nd	1.61	—	—	—
2,2',3,3',4-PeCB	82	—	nd	2.45	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	15.8	2.44	37.92	2.72	0.07
2,2',3,3',6-PeCB	84	—	9.41	2.92	22.584	1.62	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	3.57	1.83	8.568	0.61	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	21.8	1.96	52.32	3.75	0.10
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	3.65	2.46	8.76	0.63	0.02
2,2',3,4,6'-PeCB	89	—	nd	2.7	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	26.5	2.13	63.6	4.56	0.12

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	4.3	2.49	10.32	0.74	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	25.9	2.37	62.16	4.46	0.12
2,2',3,5,6'-PeCB	94	—	nd	2.69	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.51	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.22	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.32	—	—	—
2,3,3',4,4'-PeCB	105	—	13	1.69	31.2	2.24	0.06
2,3,3',4,5-PeCB	106	—	nd	1.67	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	1.85	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	1.77	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	25.9	1.64	62.16	4.46	0.12
2,3,3',5,5'-PeCB	111	—	nd	1.66	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.66	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	1.78	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	30.9	1.7	74.16	5.32	0.15
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.54	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.9	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2	—	—	—
2',3,4,4',5-PeCB	123	—	nd	1.86	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.61	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.88	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	8.05	2.64	19.32	1.38	0.04
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	38.6	2.71	92.64	6.64	0.18
2,2',3,3',4,5'-HxCB	130	—	nd	3.35	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	3.08	—	—	—
2,2',3,3',4,6'-HxCB	132	—	11.4	3.38	27.36	1.96	0.05
2,2',3,3',5,5'-HxCB	133	—	nd	3.16	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	3.23	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	5.04	1.97	12.096	0.87	0.02
2,2',3,3',6,6'-HxCB	136	—	2.72	1.61	6.528	0.47	0.01
2,2',3,4,4',5-HxCB	137	—	nd	3.14	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.93	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	6.29	3.04	15.096	1.08	0.03
2,2',3,4,5,6-HxCB	142	—	nd	3.17	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	1.97	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	1.68	—	—	—
2,2',3,4',5,5'-HxCB	146	—	4.46	2.86	10.704	0.77	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	22.3	2.82	53.52	3.84	0.10
2,2',3,4',5,6'-HxCB	148	—	nd	2.04	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.65	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.6	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	24.1	2.44	57.84	4.15	0.11
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.45	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	6.48	2.61	15.552	1.11	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	4.17	2.08	10.008	0.72	0.02
2,3,3',4,5,5'-HxCB	159	—	nd	2.27	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.17	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.37	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	2.26	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	2.59	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	1.72	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.74	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	6.38	2.29	15.312	1.10	0.03
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	2.79	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	2.87	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	8.47	2.62	20.328	1.46	0.04
2,2',3,3',4,5',6-HpCB	175	—	nd	2.52	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	1.94	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	3.38	2.7	8.112	0.58	0.02
2,2',3,3',5,5',6-HpCB	178	—	nd	2.68	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	2.16	1.85	5.184	0.37	0.01
2,2',3,4,4',5,5'-HpCB	180	180 + 193	17	2.11	40.8	2.92	0.08

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG39373	**Total Volume (mL)**	2400
KC Sample ID	L54845-1	**Days**	13.95
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.64	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.46	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	4.5	2.54	10.8	0.77	0.02
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.86	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.04	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	12.4	2.54	29.76	2.13	0.06
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.79	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.46	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	2	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	1.99	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.2	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	5.05	2.6	12.12	0.87	0.02
2,2',3,3',4,4',5,6-OcCB	195	—	nd	2.67	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	3.1	2.29	7.44	0.53	0.01
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	1.65	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	12.3	11.1	29.52	2.12	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	1.73	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	3.53	1.75	8.472	0.61	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	5.73	2.13	13.752	0.99	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.62	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.9	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	8.9	4.56	21.36	1.53	0.04
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.73	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.64	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.21	2.36	7.704	0.55	0.02

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	13	0.805	38.35	2.72	0.07
3-MoCB	2	—	10.8	0.902	31.86	2.26	0.06
4-MoCB	3	—	13	0.838	38.35	2.72	0.07
2,2'-DiCB	4	—	7.98	3.53	23.541	1.67	0.05
2,3-DiCB	5	—	nd	3.11	—	—	—
2,3'-DiCB	6	—	3.72	2.82	10.974	0.78	0.02
2,4-DiCB	7	—	nd	2.91	—	—	—
2,4'-DiCB	8	—	14.8	2.62	43.66	3.10	0.08
2,5-DiCB	9	—	6.71	2.74	19.7945	1.40	0.04
2,6-DiCB	10	—	nd	2.78	—	—	—
3,3'-DiCB	11	—	33.1	2.99	97.645	6.92	0.19
3,4-DiCB	12	12 + 13	3.7	3.03	10.915	0.77	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.87	—	—	—
4,4'-DiCB	15	—	7.66	2.87	22.597	1.60	0.04
2,2',3-TriCB	16	—	8.19	2.28	24.1605	1.71	0.05
2,2',4-TriCB	17	—	7.21	1.94	21.2695	1.51	0.04
2,2',5-TriCB	18	18 + 30	15	1.58	44.25	3.14	0.09
2,2',6-TriCB	19	—	2.13	2.12	6.2835	0.45	0.01
2,3,3'-TriCB	20	20 + 28	18	1.59	53.1	3.77	0.10
2,3,4-TriCB	21	21 + 33	9.73	1.54	28.7035	2.04	0.06
2,3,4'-TriCB	22	—	8.1	1.73	23.895	1.69	0.05
2,3,5-TriCB	23	—	nd	1.71	—	—	—
2,3,6-TriCB	24	—	nd	1.44	—	—	—
2,3',4-TriCB	25	—	1.42	1.39	4.189	0.30	0.01
2,3',5-TriCB	26	26 + 29	4.66	1.61	13.747	0.97	0.03
2,3',6-TriCB	27	—	1.72	1.3	5.074	0.36	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	16.6	1.51	48.97	3.47	0.09
2,4',6-TriCB	32	—	4.99	1.52	14.7205	1.04	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.63	—	—	—
3,3',4-TriCB	35	—	nd	1.68	—	—	—
3,3',5-TriCB	36	—	nd	1.56	—	—	—
3,4,4'-TriCB	37	—	5.29	1.56	15.6055	1.11	0.03
3,4,5-TriCB	38	—	nd	1.56	—	—	—
3,4',5-TriCB	39	—	nd	1.57	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	10.8	2.37	31.86	2.26	0.06
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	5.02	2.53	14.809	1.05	0.03
2,2',3,5-TeCB	43	—	nd	3.1	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	22.9	2.14	67.555	4.79	0.13
2,2',3,6-TeCB	45	45 + 51	5.87	2.35	17.3165	1.23	0.03
2,2',3,6'-TeCB	46	—	nd	2.8	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.98	2.39	8.791	0.62	0.02
2,2',4,5'-TeCB	49	49 + 69	10.1	2.01	29.795	2.11	0.06
2,2',4,6-TeCB	50	50 + 53	2.52	2.31	7.434	0.53	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	23.2	2.17	68.44	4.85	0.13
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.48	—	—	—
2,3,3',4-TeCB	55	—	nd	2.12	—	—	—
2,3,3',4'-TeCB	56	—	5.28	2.05	15.576	1.10	0.03
2,3,3',5-TeCB	57	—	nd	2.03	—	—	—
2,3,3',5'-TeCB	58	—	nd	2.11	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	1.95	1.75	5.7525	0.41	0.01
2,3,4,4'-TeCB	60	—	2.95	2.05	8.7025	0.62	0.02

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	26.7	2.01	78.765	5.59	0.15
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.96	—	—	—
2,3,4',6-TeCB	64	—	7.71	1.7	22.7445	1.61	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	10.4	1.96	30.68	2.18	0.06
2,3',4,5-TeCB	67	—	nd	1.85	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.97	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.92	—	—	—
2,3',5',6-TeCB	73	—	nd	1.72	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	1.83	1.75	5.3985	0.38	0.01
3,3',4,5-TeCB	78	—	nd	1.94	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.59	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.79	—	—	—
3,4,4',5-TeCB	81	—	nd	1.83	—	—	—
2,2',3,3',4-PeCB	82	—	nd	3.85	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	15.6	3.89	46.02	3.26	0.09
2,2',3,3',6-PeCB	84	—	7.89	4.53	23.2755	1.65	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	4.82	3.06	14.219	1.01	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	23.5	3.28	69.325	4.92	0.13
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	4.59	3.91	13.5405	0.96	0.03
2,2',3,4,6'-PeCB	89	—	nd	4.08	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	29.5	3.31	87.025	6.17	0.17

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	5.22	3.76	15.399	1.09	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	21.2	3.9	62.54	4.44	0.12
2,2',3,5,6'-PeCB	94	—	nd	4.33	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	3.01	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	3.54	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.37	—	—	—
2,3,3',4,4'-PeCB	105	—	10.5	2.99	30.975	2.20	0.06
2,3,3',4,5-PeCB	106	—	nd	3.07	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	3.29	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	2.95	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	36.2	2.67	106.79	7.57	0.21
2,3,3',5,5'-PeCB	111	—	nd	2.46	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2.7	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.8	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	24.3	2.64	71.685	5.08	0.14
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	2.37	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.89	—	—	—
2',3,3',4,5-PeCB	122	—	nd	3.34	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.9	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	3.18	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	3.14	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	5	2.41	14.75	1.05	0.03
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	36.5	2.4	107.675	7.64	0.21
2,2',3,3',4,5'-HxCB	130	—	nd	2.95	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	2.93	—	—	—
2,2',3,3',4,6'-HxCB	132	—	11.7	2.98	34.515	2.45	0.07
2,2',3,3',5,5'-HxCB	133	—	nd	2.76	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	2.87	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	8.5	3.89	25.075	1.78	0.05
2,2',3,3',6,6'-HxCB	136	—	3.39	3.25	10.0005	0.71	0.02
2,2',3,4,4',5-HxCB	137	—	nd	2.7	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.6	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	5.61	2.64	16.5495	1.17	0.03
2,2',3,4,5,6-HxCB	142	—	nd	2.94	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	4.05	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	3.49	—	—	—
2,2',3,4',5,5'-HxCB	146	—	5.65	2.47	16.6675	1.18	0.03
2,2',3,4',5,6-HxCB	147	147 + 149	20.6	2.58	60.77	4.31	0.12
2,2',3,4',5,6'-HxCB	148	—	nd	4.11	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3.34	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	3.14	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	25.9	2.13	76.405	5.42	0.15
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.65	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	4.62	2.36	13.629	0.97	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	3.25	1.89	9.5875	0.68	0.02
2,3,3',4,5,5'-HxCB	159	—	nd	1.96	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.97	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.04	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	2.16	2.01	6.372	0.45	0.01
2,3,3',5,5',6-HxCB	165	—	nd	2.26	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	1.87	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.83	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	8.05	3.66	23.7475	1.68	0.05
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	4.15	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	4	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	8.91	3.84	26.2845	1.86	0.05
2,2',3,3',4,5',6-HpCB	175	—	nd	3.7	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	2.77	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	4.7	4.05	13.865	0.98	0.03
2,2',3,3',5,5',6-HpCB	178	—	nd	3.91	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	3.12	2.74	9.204	0.65	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	18.3	3.05	53.985	3.83	0.10

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-1	**Days**	14.10
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	3.88	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	3.77	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	7.11	3.72	20.9745	1.49	0.04
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.76	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.96	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	12.9	3.59	38.055	2.70	0.07
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.49	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.89	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	2.81	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	2.89	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	3.22	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	4.48	2.71	13.216	0.94	0.03
2,2',3,3',4,4',5,6-OcCB	195	—	nd	2.72	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	4.92	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	3.97	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	10.1	5.48	29.795	2.11	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	3.97	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	4.44	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	nd	4.58	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	4.02	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	2.16	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	4.58	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.58	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.59	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	3.91	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	10.7	0.662	21.4	1.62	0.04
3-MoCB	2	—	9.72	0.784	19.44	1.47	0.04
4-MoCB	3	—	12.2	0.768	24.4	1.85	0.05
2,2'-DiCB	4	—	7.37	3.73	14.74	1.12	0.03
2,3-DiCB	5	—	nd	3.24	—	—	—
2,3'-DiCB	6	—	3.61	2.94	7.22	0.55	0.01
2,4-DiCB	7	—	nd	3.04	—	—	—
2,4'-DiCB	8	—	13	2.74	26	1.97	0.05
2,5-DiCB	9	—	7.44	2.86	14.88	1.13	0.03
2,6-DiCB	10	—	nd	2.9	—	—	—
3,3'-DiCB	11	—	30.2	3.12	60.4	4.57	0.12
3,4-DiCB	12	12 + 13	3.69	3.16	7.38	0.56	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	3	—	—	—
4,4'-DiCB	15	—	6.47	2.94	12.94	0.98	0.03
2,2',3-TriCB	16	—	6.55	1.91	13.1	0.99	0.03
2,2',4-TriCB	17	—	7.09	1.63	14.18	1.07	0.03
2,2',5-TriCB	18	18 + 30	13.5	1.33	27	2.04	0.06
2,2',6-TriCB	19	—	2.36	1.77	4.72	0.36	0.01
2,3,3'-TriCB	20	20 + 28	17.5	1.4	35	2.65	0.07
2,3,4-TriCB	21	21 + 33	10.2	1.35	20.4	1.54	0.04
2,3,4'-TriCB	22	—	6.31	1.52	12.62	0.96	0.03
2,3,5-TriCB	23	—	nd	1.5	—	—	—
2,3,6-TriCB	24	—	nd	1.21	—	—	—
2,3',4-TriCB	25	—	2.05	1.22	4.1	0.31	0.01
2,3',5-TriCB	26	26 + 29	4.51	1.42	9.02	0.68	0.02
2,3',6-TriCB	27	—	1.1	1.09	2.2	0.17	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	14.3	1.32	28.6	2.17	0.06
2,4',6-TriCB	32	—	4.27	1.33	8.54	0.65	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.43	—	—	—
3,3',4-TriCB	35	—	nd	1.47	—	—	—
3,3',5-TriCB	36	—	nd	1.37	—	—	—
3,4,4'-TriCB	37	—	5.65	1.35	11.3	0.86	0.02
3,4,5-TriCB	38	—	nd	1.37	—	—	—
3,4',5-TriCB	39	—	nd	1.38	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	9.09	1.87	18.18	1.38	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	3.8	2.01	7.6	0.58	0.02
2,2',3,5-TeCB	43	—	nd	2.45	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	28.7	1.69	57.4	4.35	0.12
2,2',3,6-TeCB	45	45 + 51	nd	1.86	—	—	—
2,2',3,6'-TeCB	46	—	nd	2.22	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.7	1.89	5.4	0.41	0.01
2,2',4,5'-TeCB	49	49 + 69	13.7	1.59	27.4	2.07	0.06
2,2',4,6-TeCB	50	50 + 53	2.25	1.83	4.5	0.34	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	41.8	1.72	83.6	6.33	0.17
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.34	—	—	—
2,3,3',4-TeCB	55	—	nd	1.97	—	—	—
2,3,3',4'-TeCB	56	—	7.84	1.91	15.68	1.19	0.03
2,3,3',5-TeCB	57	—	nd	1.89	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.96	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.38	—	—	—
2,3,4,4'-TeCB	60	—	4.04	1.91	8.08	0.61	0.02

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	43.4	1.86	86.8	6.57	0.18
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.82	—	—	—
2,3,4',6-TeCB	64	—	8.15	1.35	16.3	1.23	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	14	1.82	28	2.12	0.06
2,3',4,5-TeCB	67	—	nd	1.72	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.83	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.78	—	—	—
2,3',5',6-TeCB	73	—	nd	1.36	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	5.65	1.46	11.3	0.86	0.02
3,3',4,5-TeCB	78	—	nd	1.8	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.48	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.67	—	—	—
3,4,4',5-TeCB	81	—	nd	1.72	—	—	—
2,2',3,3',4-PeCB	82	—	10.5	2.86	21	1.59	0.04
2,2',3,3',5-PeCB	83	83 + 99	37.7	2.88	75.4	5.71	0.16
2,2',3,3',6-PeCB	84	—	20.4	3.36	40.8	3.09	0.08
2,2',3,4,4'-PeCB	85	85 + 116 + 117	11.1	2.27	22.2	1.68	0.05
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	54.2	2.43	108.4	8.21	0.22
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	9.8	2.9	19.6	1.48	0.04
2,2',3,4,6'-PeCB	89	—	nd	3.02	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	75.4	2.46	150.8	11.42	0.31

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	13.8	2.78	27.6	2.09	0.06
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	59.3	2.89	118.6	8.98	0.25
2,2',3,5,6'-PeCB	94	—	nd	3.21	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.37	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.63	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.08	—	—	—
2,3,3',4,4'-PeCB	105	—	29.5	2.51	59	4.47	0.12
2,3,3',4,5-PeCB	106	—	nd	2.69	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	3.12	2.88	6.24	0.47	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	5.45	2.58	10.9	0.83	0.02
2,3,3',4',6-PeCB	110	110 + 115	98.9	1.98	197.8	14.98	0.41
2,3,3',5,5'-PeCB	111	—	nd	1.83	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.49	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	64.1	2.3	128.2	9.71	0.27
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.76	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.14	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.92	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.47	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.91	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.75	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	18	2.05	36	2.73	0.07
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	119	2.04	238	18.02	0.49
2,2',3,3',4,5'-HxCB	130	—	7.79	2.52	15.58	1.18	0.03
2,2',3,3',4,6-HxCB	131	—	nd	2.49	—	—	—
2,2',3,3',4,6'-HxCB	132	—	41.2	2.54	82.4	6.24	0.17
2,2',3,3',5,5'-HxCB	133	—	nd	2.35	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	3.94	2.45	7.88	0.60	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	29.4	3.6	58.8	4.45	0.12
2,2',3,3',6,6'-HxCB	136	—	9.82	3	19.64	1.49	0.04
2,2',3,4,4',5-HxCB	137	—	4.46	2.3	8.92	0.68	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.22	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	24.2	2.25	48.4	3.67	0.10
2,2',3,4,5,6-HxCB	142	—	nd	2.5	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	5.23	3.75	10.46	0.79	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	3.23	—	—	—
2,2',3,4',5,5'-HxCB	146	—	17.3	2.11	34.6	2.62	0.07
2,2',3,4',5,6-HxCB	147	147 + 149	73.7	2.2	147.4	11.16	0.30
2,2',3,4',5,6'-HxCB	148	—	nd	3.8	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3.08	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	2.9	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	88.7	1.82	177.4	13.43	0.37
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.54	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	16.2	2.03	32.4	2.45	0.07
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	12.7	1.61	25.4	1.92	0.05
2,3,3',4,5,5'-HxCB	159	—	nd	1.67	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.68	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.74	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	9.09	1.72	18.18	1.38	0.04
2,3,3',5,5',6-HxCB	165	—	nd	1.93	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	5.66	1.57	11.32	0.86	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.53	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	33.4	3.16	66.8	5.06	0.14
2,2',3,3',4,4',6-HpCB	171	171 + 173	9.42	3.36	18.84	1.43	0.04
2,2',3,3',4,5,5'-HpCB	172	—	7.43	3.23	14.86	1.13	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	34.6	3.11	69.2	5.24	0.14
2,2',3,3',4,5',6-HpCB	175	—	nd	2.99	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	3.47	2.24	6.94	0.53	0.01
2,2',3,3',4',5,6-HpCB	177	—	18.6	3.28	37.2	2.82	0.08
2,2',3,3',5,5',6-HpCB	178	—	6.36	3.16	12.72	0.96	0.03
2,2',3,3',5,6,6'-HpCB	179	—	11.7	2.22	23.4	1.77	0.05
2,2',3,4,4',5,5'-HpCB	180	180 + 193	84.7	2.49	169.4	12.83	0.35

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41271	**Total Volume (mL)**	2000
KC Sample ID	L55530-1	**Days**	13.21
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	3.14	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	3.05	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	20.4	3.01	40.8	3.09	0.08
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.23	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.39	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	39.7	2.91	79.4	6.01	0.16
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.15	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.72	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	6.95	2.28	13.9	1.05	0.03
2,3,3',4,4',5',6-HpCB	191	—	nd	2.34	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.6	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	20.1	2.49	40.2	3.04	0.08
2,2',3,3',4,4',5,6-OcCB	195	—	6.02	2.49	12.04	0.91	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	8.76	4.22	17.52	1.33	0.04
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	3.4	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	22	4.7	44	3.33	0.09
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	3.4	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	3.77	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	11.4	3.93	22.8	1.73	0.05
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	3.45	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.98	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	8.13	4.87	16.26	1.23	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.81	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.83	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	3.69	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	125	36.3	50	1.84	0.01
2,3-DiCB	5	—	nd	28.7	—	—	—
2,3'-DiCB	6	—	97.7	25.5	39.08	1.44	0.01
2,4-DiCB	7	—	nd	26.3	—	—	—
2,4'-DiCB	8	—	379	23.4	151.6	5.59	0.03
2,5-DiCB	9	—	92.9	24.9	37.16	1.37	0.01
2,6-DiCB	10	—	nd	25.1	—	—	—
3,3'-DiCB	11	—	5550	31.6	2220	81.84	0.50
3,4-DiCB	12	12 + 13	nd	31.1	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	27.5	—	—	—
4,4'-DiCB	15	—	413	25.3	165.2	6.09	0.04
2,2',3-TriCB	16	—	222	10.5	88.8	3.27	0.02
2,2',4-TriCB	17	—	257	13.5	102.8	3.79	0.02
2,2',5-TriCB	18	18 + 30	499	7.43	199.6	7.36	0.04
2,2',6-TriCB	19	—	70.2	8.35	28.08	1.04	0.01
2,3,3'-TriCB	20	20 + 28	965	7.3	386	14.23	0.09
2,3,4-TriCB	21	21 + 33	454	7.19	181.6	6.69	0.04
2,3,4'-TriCB	22	—	453	8.13	181.2	6.68	0.04
2,3,5-TriCB	23	—	nd	7.68	—	—	—
2,3,6-TriCB	24	—	nd	6.98	—	—	—
2,3',4-TriCB	25	—	72.2	6.32	28.88	1.06	0.01
2,3',5-TriCB	26	26 + 29	83.6	7.32	33.44	1.23	0.01
2,3',6-TriCB	27	—	49.3	9.13	19.72	0.73	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	716	6.73	286.4	10.56	0.06
2,4',6-TriCB	32	—	180	6.7	72	2.65	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	7.13	—	—	—
3,3',4-TriCB	35	—	156	8.57	62.4	2.30	0.01
3,3',5-TriCB	36	—	17.4	7.6	6.96	0.26	0.00
3,4,4'-TriCB	37	—	591	8.25	236.4	8.72	0.05
3,4,5-TriCB	38	—	nd	7.34	—	—	—
3,4',5-TriCB	39	—	nd	7.62	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	520	12.3	208	7.67	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	228	13.1	91.2	3.36	0.02
2,2',3,5-TeCB	43	—	40.2	14.1	16.08	0.59	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	1050	11.3	420	15.48	0.09
2,2',3,6-TeCB	45	45 + 51	158	11.6	63.2	2.33	0.01
2,2',3,6'-TeCB	46	—	57.9	13.6	23.16	0.85	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	178	12.4	71.2	2.62	0.02
2,2',4,5'-TeCB	49	49 + 69	567	10.2	226.8	8.36	0.05
2,2',4,6-TeCB	50	50 + 53	131	11	52.4	1.93	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	1630	11.2	652	24.04	0.15
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	6.61	—	—	—
2,3,3',4-TeCB	55	—	23.6	13.8	9.44	0.35	0.00
2,3,3',4'-TeCB	56	—	515	13.5	206	7.59	0.05
2,3,3',5-TeCB	57	—	nd	12.2	—	—	—
2,3,3',5'-TeCB	58	—	nd	12.2	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	82.6	9	33.04	1.22	0.01
2,3,4,4'-TeCB	60	—	260	13.3	104	3.83	0.02

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	2330	12.3	932	34.36	0.21
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	35.9	11.9	14.36	0.53	0.00
2,3,4',6-TeCB	64	—	423	9.18	169.2	6.24	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	857	12.6	342.8	12.64	0.08
2,3',4,5-TeCB	67	—	32	10.9	12.8	0.47	0.00
2,3',4,5'-TeCB	68	—	nd	11.6	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	11.7	—	—	—
2,3',5',6-TeCB	73	—	nd	9.06	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	299	12.6	119.6	4.41	0.03
3,3',4,5-TeCB	78	—	nd	13.8	—	—	—
3,3',4,5'-TeCB	79	—	49.9	10.6	19.96	0.74	0.00
3,3',5,5'-TeCB	80	—	nd	12	—	—	—
3,4,4',5-TeCB	81	—	nd	12.9	—	—	—
2,2',3,3',4-PeCB	82	—	446	32.7	178.4	6.58	0.04
2,2',3,3',5-PeCB	83	83 + 99	1740	30.2	696	25.66	0.16
2,2',3,3',6-PeCB	84	—	764	33.5	305.6	11.27	0.07
2,2',3,4,4'-PeCB	85	85 + 116 + 117	575	24.9	230	8.48	0.05
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2750	25.5	1100	40.55	0.25
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	429	29.2	171.6	6.33	0.04
2,2',3,4,6'-PeCB	89	—	nd	30.5	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	3050	25.1	1220	44.98	0.27

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	539	29.3	215.6	7.95	0.05
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2380	28.5	952	35.10	0.21
2,2',3,5,6'-PeCB	94	—	nd	31.7	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	22	12.3	8.8	0.32	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	25.3	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	13.9	—	—	—
2,3,3',4,4'-PeCB	105	—	1560	19.3	624	23.00	0.14
2,3,3',4,5-PeCB	106	—	nd	19.9	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	167	20.6	66.8	2.46	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	231	18.1	92.4	3.41	0.02
2,3,3',4',6-PeCB	110	110 + 115	3910	22	1564	57.66	0.35
2,3,3',5,5'-PeCB	111	—	nd	21.8	—	—	—
2,3,3',5,6-PeCB	112	—	nd	21.8	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	73.4	17.3	29.36	1.08	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	3230	16	1292	47.63	0.29
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	20.6	—	—	—

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	21.7	—	—	—
2',3,3',4,5-PeCB	122	—	47.2	21.7	18.88	0.70	0.00
2',3,4,4',5-PeCB	123	—	56.4	18.1	22.56	0.83	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	61.5	20.1	24.6	0.91	0.01
3,3',4,5,5'-PeCB	127	—	nd	19.7	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	900	23.3	360	13.27	0.08
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	6140	23.8	2456	90.54	0.55
2,2',3,3',4,5'-HxCB	130	—	378	30.7	151.2	5.57	0.03
2,2',3,3',4,6-HxCB	131	—	73.5	27.5	29.4	1.08	0.01
2,2',3,3',4,6'-HxCB	132	—	1850	29.3	740	27.28	0.17
2,2',3,3',5,5'-HxCB	133	—	74.1	28.1	29.64	1.09	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	256	29.6	102.4	3.78	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1410	17.6	564	20.79	0.13
2,2',3,3',6,6'-HxCB	136	—	504	13	201.6	7.43	0.05
2,2',3,4,4',5-HxCB	137	—	306	27.6	122.4	4.51	0.03
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	96.8	25.5	38.72	1.43	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	1090	27.6	436	16.07	0.10
2,2',3,4,5,6-HxCB	142	—	nd	30	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	229	18	91.6	3.38	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	14.4	—	—	—
2,2',3,4',5,5'-HxCB	146	—	825	33.9	330	12.17	0.07
2,2',3,4',5,6-HxCB	147	147 + 149	4110	27.6	1644	60.61	0.37
2,2',3,4',5,6'-HxCB	148	—	nd	18	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	19.1	13.3	7.64	0.28	0.00

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	12	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	4240	20.9	1696	62.53	0.38
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	10.8	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	730	22.7	292	10.76	0.07
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	597	18.1	238.8	8.80	0.05
2,3,3',4,5,5'-HxCB	159	—	73.6	19.7	29.44	1.09	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	18.2	—	—	—
2,3,3',4',5,5'-HxCB	162	—	30.8	20.2	12.32	0.45	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	387	20.2	154.8	5.71	0.03
2,3,3',5,5',6-HxCB	165	—	nd	22.4	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	257	16.7	102.8	3.79	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	18	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	1410	22.5	564	20.79	0.13
2,2',3,3',4,4',6-HpCB	171	171 + 173	479	24.9	191.6	7.06	0.04
2,2',3,3',4,5,5'-HpCB	172	—	297	23.8	118.8	4.38	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1570	22.5	628	23.15	0.14
2,2',3,3',4,5',6-HpCB	175	—	61.8	21.4	24.72	0.91	0.01
2,2',3,3',4,6,6'-HpCB	176	—	185	15.4	74	2.73	0.02
2,2',3,3',4',5,6-HpCB	177	—	908	22.7	363.2	13.39	0.08
2,2',3,3',5,5',6-HpCB	178	—	298	22.2	119.2	4.39	0.03
2,2',3,3',5,6,6'-HpCB	179	—	695	15.6	278	10.25	0.06
2,2',3,4,4',5,5'-HpCB	180	180 + 193	3310	18.3	1324	48.81	0.30

Table C-17. PCB Flux Calculations by Congener for Beacon Hill Station (BWR)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	23.3	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	22.1	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	1050	21.8	420	15.48	0.09
2,2',3,4,4',6,6'-HpCB	184	—	nd	14.3	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	17.6	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	2030	24.4	812	29.94	0.18
2,2',3,4',5,6,6'-HpCB	188	—	nd	14	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	49.6	15.1	19.84	0.73	0.00
2,3,3',4,4',5,6-HpCB	190	—	325	17.5	130	4.79	0.03
2,3,3',4,4',5',6-HpCB	191	—	62	17.1	24.8	0.91	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	20	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	986	23.4	394.4	14.54	0.09
2,2',3,3',4,4',5,6-OcCB	195	—	340	26.9	136	5.01	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	532	26.4	212.8	7.85	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	241	20.1	96.4	3.55	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	1410	28.1	564	20.79	0.13
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	145	20.8	58	2.14	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	271	20.5	108.4	4.00	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	860	25.8	344	12.68	0.08
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	20.5	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	42.9	17.9	17.16	0.63	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	690	29.3	276	10.18	0.06
2,2',3,3',4,4',5,6,6'-NoCB	207	—	103	32.4	41.2	1.52	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	269	27.5	107.6	3.97	0.02
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	210	26.9	84	3.10	0.02

a Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550
KC Sample ID	L53760-5	**Days**	28.88
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	53.4	1.9	29.37	1.02	0.01
3-MoCB	2	—	124	1.9	68.2	2.36	0.01
4-MoCB	3	—	145	1.9	79.75	2.76	0.02
2,2'-DiCB	4	—	68.2	4.54	37.51	1.30	0.01
2,3-DiCB	5	—	8.09	3.79	4.4495	0.15	0.00
2,3'-DiCB	6	—	49	3.42	26.95	0.93	0.01
2,4-DiCB	7	—	98.7	3.52	54.285	1.88	0.01
2,4'-DiCB	8	—	202	3.2	111.1	3.85	0.02
2,5-DiCB	9	—	15.8	3.37	8.69	0.30	0.00
2,6-DiCB	10	—	4.07	3.35	2.2385	0.08	0.00
3,3'-DiCB	11	—	1490	3.79	819.5	28.38	0.17
3,4-DiCB	12	12 + 13	74.2	3.75	40.81	1.41	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	3.56	—	—	—
4,4'-DiCB	15	—	186	3.67	102.3	3.54	0.02
2,2',3-TriCB	16	—	101	1.9	55.55	1.92	0.01
2,2',4-TriCB	17	—	89.4	1.9	49.17	1.70	0.01
2,2',5-TriCB	18	18 + 30	192	1.9	105.6	3.66	0.02
2,2',6-TriCB	19	—	27	1.9	14.85	0.51	0.00
2,3,3'-TriCB	20	20 + 28	381	1.9	209.55	7.26	0.04
2,3,4-TriCB	21	21 + 33	190	1.9	104.5	3.62	0.02
2,3,4'-TriCB	22	—	146	1.9	80.3	2.78	0.02
2,3,5-TriCB	23	—	5.93	1.9	3.2615	0.11	0.00
2,3,6-TriCB	24	—	4.08	1.9	2.244	0.08	0.00
2,3',4-TriCB	25	—	26.6	1.9	14.63	0.51	0.00
2,3',5-TriCB	26	26 + 29	62.3	1.9	34.265	1.19	0.01
2,3',6-TriCB	27	—	14.5	1.9	7.975	0.28	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550				
KC Sample ID	L53760-5	**Days**	28.88				
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	285	1.9	156.75	5.43	0.03
2,4',6-TriCB	32	—	66.9	1.9	36.795	1.27	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	6.65	1.9	3.6575	0.13	0.00
3,3',4-TriCB	35	—	57.7	1.9	31.735	1.10	0.01
3,3',5-TriCB	36	—	6.18	1.9	3.399	0.12	0.00
3,4,4'-TriCB	37	—	184	1.9	101.2	3.50	0.02
3,4,5-TriCB	38	—	nd	1.9	—	—	—
3,4',5-TriCB	39	—	3.56	1.9	1.958	0.07	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	159	1.9	87.45	3.03	0.02
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	63.7	1.9	35.035	1.21	0.01
2,2',3,5-TeCB	43	—	9.2	1.9	5.06	0.18	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	371	1.9	204.05	7.07	0.04
2,2',3,6-TeCB	45	45 + 51	47.7	1.9	26.235	0.91	0.01
2,2',3,6'-TeCB	46	—	19.8	1.9	10.89	0.38	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	47.9	1.9	26.345	0.91	0.01
2,2',4,5'-TeCB	49	49 + 69	173	1.9	95.15	3.30	0.02
2,2',4,6-TeCB	50	50 + 53	42.7	1.9	23.485	0.81	0.00
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	598	1.9	328.9	11.39	0.07
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	3.31	1.9	1.8205	0.06	0.00
2,3,3',4-TeCB	55	—	nd	2.99	—	—	—
2,3,3',4'-TeCB	56	—	178	2.93	97.9	3.39	0.02
2,3,3',5-TeCB	57	—	nd	2.76	—	—	—
2,3,3',5'-TeCB	58	—	nd	2.8	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	24.7	1.9	13.585	0.47	0.00
2,3,4,4'-TeCB	60	—	86.9	2.96	47.795	1.66	0.01

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550
KC Sample ID	L53760-5	**Days**	28.88
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	875	2.78	481.25	16.67	0.10
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	11.4	2.69	6.27	0.22	0.00
2,3,4',6-TeCB	64	—	133	1.9	73.15	2.53	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	345	2.76	189.75	6.57	0.04
2,3',4,5-TeCB	67	—	12.7	2.44	6.985	0.24	0.00
2,3',4,5'-TeCB	68	—	6.07	2.74	3.3385	0.12	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	4.16	2.62	2.288	0.08	0.00
2,3',5',6-TeCB	73	—	6.51	1.9	3.5805	0.12	0.00
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	149	2.64	81.95	2.84	0.02
3,3',4,5-TeCB	78	—	nd	2.91	—	—	—
3,3',4,5'-TeCB	79	—	13.7	2.35	7.535	0.26	0.00
3,3',5,5'-TeCB	80	—	nd	2.6	—	—	—
3,4,4',5-TeCB	81	—	28.8	2.59	15.84	0.55	0.00
2,2',3,3',4-PeCB	82	—	152	1.9	83.6	2.90	0.02
2,2',3,3',5-PeCB	83	83 + 99	564	1.9	310.2	10.74	0.07
2,2',3,3',6-PeCB	84	—	323	1.9	177.65	6.15	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	204	1.9	112.2	3.89	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1050	1.9	577.5	20.00	0.12
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	144	1.9	79.2	2.74	0.02
2,2',3,4,6'-PeCB	89	—	12.9	1.9	7.095	0.25	0.00
2,2',3,4',5-PeCB	90	90 + 101 + 113	1210	1.9	665.5	23.05	0.14

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550
KC Sample ID	L53760-5	**Days**	28.88
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	226	1.9	124.3	4.30	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	970	1.9	533.5	18.48	0.11
2,2',3,5,6'-PeCB	94	—	4.68	1.9	2.574	0.09	0.00
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	7.11	1.9	3.9105	0.14	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	4.19	1.9	2.3045	0.08	0.00
2,2',4,6,6'-PeCB	104	—	5.1	1.9	2.805	0.10	0.00
2,3,3',4,4'-PeCB	105	—	582	4.51	320.1	11.09	0.07
2,3,3',4,5-PeCB	106	—	nd	4.68	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	62.3	5.14	34.265	1.19	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	89.9	4.62	49.445	1.71	0.01
2,3,3',4',6-PeCB	110	110 + 115	1470	1.9	808.5	28.00	0.17
2,3,3',5,5'-PeCB	111	—	nd	1.9	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.9	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	39.7	4.6	21.835	0.76	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	1190	4.54	654.5	22.67	0.14
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	4.87	1.9	2.6785	0.09	0.00

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550
KC Sample ID	L53760-5	**Days**	28.88
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.9	—	—	—
2',3,3',4,5-PeCB	122	—	18.2	5.34	10.01	0.35	0.00
2',3,4,4',5-PeCB	123	—	36	4.88	19.8	0.69	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	123	5.22	67.65	2.34	0.01
3,3',4,5,5'-PeCB	127	—	nd	5.14	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	483	3.55	265.65	9.20	0.06
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	2430	3.57	1336.5	46.29	0.28
2,2',3,3',4,5'-HxCB	130	—	159	4.32	87.45	3.03	0.02
2,2',3,3',4,6-HxCB	131	—	26.4	3.96	14.52	0.50	0.00
2,2',3,3',4,6'-HxCB	132	—	667	4.17	366.85	12.70	0.08
2,2',3,3',5,5'-HxCB	133	—	29.7	3.78	16.335	0.57	0.00
2,2',3,3',5,6-HxCB	134	134 + 143	96.6	3.95	53.13	1.84	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	522	1.9	287.1	9.94	0.06
2,2',3,3',6,6'-HxCB	136	—	173	1.9	95.15	3.30	0.02
2,2',3,4,4',5-HxCB	137	—	113	4.17	62.15	2.15	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	32	3.71	17.6	0.61	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	443	3.87	243.65	8.44	0.05
2,2',3,4,5,6-HxCB	142	—	nd	4.03	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	78.2	1.9	43.01	1.49	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	1.9	—	—	—
2,2',3,4',5,5'-HxCB	146	—	342	3.51	188.1	6.51	0.04
2,2',3,4',5,6-HxCB	147	147 + 149	1270	3.62	698.5	24.19	0.15
2,2',3,4',5,6'-HxCB	148	—	2.23	1.9	1.2265	0.04	0.00
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	3.51	1.9	1.9305	0.07	0.00

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550
KC Sample ID	L53760-5	**Days**	28.88
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.9	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	1600	3.1	880	30.48	0.19
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	4.52	1.9	2.486	0.09	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	424	3.54	233.2	8.08	0.05
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	271	2.91	149.05	5.16	0.03
2,3,3',4,5,5'-HxCB	159	—	33.5	3.07	18.425	0.64	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.86	—	—	—
2,3,3',4',5,5'-HxCB	162	—	13	3.31	7.15	0.25	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	184	3.07	101.2	3.50	0.02
2,3,3',5,5',6-HxCB	165	—	nd	3.34	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	197	2.68	108.35	3.75	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	110	2.98	60.5	2.10	0.01
2,2',3,3',4,4',5-HpCB	170	—	874	1.9	480.7	16.65	0.10
2,2',3,3',4,4',6-HpCB	171	171 + 173	207	1.9	113.85	3.94	0.02
2,2',3,3',4,5,5'-HpCB	172	—	161	1.9	88.55	3.07	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	642	1.9	353.1	12.23	0.07
2,2',3,3',4,5',6-HpCB	175	—	27.5	1.9	15.125	0.52	0.00
2,2',3,3',4,6,6'-HpCB	176	—	57.6	1.9	31.68	1.10	0.01
2,2',3,3',4',5,6-HpCB	177	—	385	1.9	211.75	7.33	0.04
2,2',3,3',5,5',6-HpCB	178	—	121	1.9	66.55	2.30	0.01
2,2',3,3',5,6,6'-HpCB	179	—	186	1.9	102.3	3.54	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1630	1.9	896.5	31.05	0.19

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG37749	**Total Volume (mL)**	550
KC Sample ID	L53760-5	**Days**	28.88
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	7.71	1.9	4.2405	0.15	0.00
2,2',3,4,4',5,6'-HpCB	182	—	31.3	1.9	17.215	0.60	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	445	1.9	244.75	8.48	0.05
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.9	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.9	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	830	1.9	456.5	15.81	0.10
2,2',3,4',5,6,6'-HpCB	188	—	13.2	1.9	7.26	0.25	0.00
2,3,3',4,4',5,5'-HpCB	189	—	101	1.9	55.55	1.92	0.01
2,3,3',4,4',5,6-HpCB	190	—	161	1.9	88.55	3.07	0.02
2,3,3',4,4',5',6-HpCB	191	—	34.6	1.9	19.03	0.66	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	1.9	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	478	2.09	262.9	9.10	0.06
2,2',3,3',4,4',5,6-OcCB	195	—	123	2.25	67.65	2.34	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	270	1.9	148.5	5.14	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	65.6	1.9	36.08	1.25	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	622	1.9	342.1	11.85	0.07
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	61.8	1.9	33.99	1.18	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	168	1.9	92.4	3.20	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	409	1.9	224.95	7.79	0.05
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.9	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	91.1	1.9	50.105	1.74	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	580	4.55	319	11.05	0.07
2,2',3,3',4,4',5,6,6'-NoCB	207	—	56.1	3.8	30.855	1.07	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	248	3.66	136.4	4.72	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	124	1.9	68.2	2.36	0.01

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	14.9	1.01	21.605	0.75	0.02
3-MoCB	2	—	11.2	1.04	16.24	0.56	0.02
4-MoCB	3	—	22.4	0.947	32.48	1.12	0.03
2,2'-DiCB	4	—	52.3	3.13	75.835	2.62	0.07
2,3-DiCB	5	—	2.6	2.09	3.77	0.13	0.00
2,3'-DiCB	6	—	25.7	1.83	37.265	1.29	0.04
2,4-DiCB	7	—	6.59	1.87	9.5555	0.33	0.01
2,4'-DiCB	8	—	112	5.8	162.4	5.62	0.15
2,5-DiCB	9	—	8.47	1.82	12.2815	0.42	0.01
2,6-DiCB	10	—	1.95	1.8	2.8275	0.10	0.00
3,3'-DiCB	11	—	406	1.99	588.7	20.36	0.56
3,4-DiCB	12	12 + 13	20	2.04	29	1.00	0.03
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	1.89	—	—	—
4,4'-DiCB	15	—	73.9	1.92	107.155	3.71	0.10
2,2',3-TriCB	16	—	82.3	1.49	119.335	4.13	0.11
2,2',4-TriCB	17	—	72.3	1.33	104.835	3.63	0.10
2,2',5-TriCB	18	18 + 30	155	4.04	224.75	7.77	0.21
2,2',6-TriCB	19	—	19.6	1.37	28.42	0.98	0.03
2,3,3'-TriCB	20	20 + 28	265	1.37	384.25	13.29	0.36
2,3,4-TriCB	21	21 + 33	187	1.32	271.15	9.38	0.26
2,3,4'-TriCB	22	—	123	1.54	178.35	6.17	0.17
2,3,5-TriCB	23	—	nd	1.36	—	—	—
2,3,6-TriCB	24	—	2.93	0.948	4.2485	0.15	0.00
2,3',4-TriCB	25	—	18.3	1.17	26.535	0.92	0.03
2,3',5-TriCB	26	26 + 29	50.1	1.34	72.645	2.51	0.07
2,3',6-TriCB	27	—	12.6	0.945	18.27	0.63	0.02
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	243	1.27	352.35	12.18	0.33
2,4',6-TriCB	32	—	49.8	1.25	72.21	2.50	0.07
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.35	—	—	—
3,3',4-TriCB	35	—	11.6	1.43	16.82	0.58	0.02
3,3',5-TriCB	36	—	4.64	1.39	6.728	0.23	0.01
3,4,4'-TriCB	37	—	99.7	1.35	144.565	5.00	0.14
3,4,5-TriCB	38	—	nd	1.44	—	—	—
3,4',5-TriCB	39	—	2.03	1.41	2.9435	0.10	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	183	2.01	265.35	9.18	0.25
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	67.1	1.98	97.295	3.36	0.09
2,2',3,5-TeCB	43	—	nd	2.58	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	309	1.84	448.05	15.49	0.42
2,2',3,6-TeCB	45	45 + 51	48.4	1.92	70.18	2.43	0.07
2,2',3,6'-TeCB	46	—	16.1	2.28	23.345	0.81	0.02
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	61.4	2.03	89.03	3.08	0.08
2,2',4,5'-TeCB	49	49 + 69	163	1.73	236.35	8.17	0.22
2,2',4,6-TeCB	50	50 + 53	35.9	1.85	52.055	1.80	0.05
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	442	2.15	640.9	22.16	0.61
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.21	—	—	—
2,3,3',4-TeCB	55	—	10.6	2.29	15.37	0.53	0.01
2,3,3',4'-TeCB	56	—	183	2.31	265.35	9.18	0.25
2,3,3',5-TeCB	57	—	nd	2.03	—	—	—
2,3,3',5'-TeCB	58	—	nd	2.06	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	25	1.5	36.25	1.25	0.03
2,3,4,4'-TeCB	60	—	107	2.3	155.15	5.36	0.15

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	841	2.06	1219.45	42.17	1.15
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	14.7	2.07	21.315	0.74	0.02
2,3,4',6-TeCB	64	—	142	1.41	205.9	7.12	0.19
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	333	2.03	482.85	16.70	0.46
2,3',4,5-TeCB	67	—	10.8	1.93	15.66	0.54	0.01
2,3',4,5'-TeCB	68	—	3.57	2.13	5.1765	0.18	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	2.04	—	—	—
2,3',5',6-TeCB	73	—	nd	1.57	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	43.3	1.72	62.785	2.17	0.06
3,3',4,5-TeCB	78	—	nd	2	—	—	—
3,3',4,5'-TeCB	79	—	8.32	1.73	12.064	0.42	0.01
3,3',5,5'-TeCB	80	—	nd	1.97	—	—	—
3,4,4',5-TeCB	81	—	1.97	1.85	2.8565	0.10	0.00
2,2',3,3',4-PeCB	82	—	116	2.84	168.2	5.82	0.16
2,2',3,3',5-PeCB	83	83 + 99	424	2.83	614.8	21.26	0.58
2,2',3,3',6-PeCB	84	—	236	3.39	342.2	11.83	0.32
2,2',3,4,4'-PeCB	85	85 + 116 + 117	147	2.11	213.15	7.37	0.20
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	658	2.28	954.1	32.99	0.90
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	100	2.85	145	5.01	0.14
2,2',3,4,6'-PeCB	89	—	9.47	3.12	13.7315	0.47	0.01
2,2',3,4',5-PeCB	90	90 + 101 + 113	843	2.47	1222.35	42.27	1.15

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	143	2.89	207.35	7.17	0.20
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	596	2.74	864.2	29.88	0.82
2,2',3,5,6'-PeCB	94	—	nd	3.12	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	3.39	1.54	4.9155	0.17	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.57	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.55	—	—	—
2,3,3',4,4'-PeCB	105	—	358	2.55	519.1	17.95	0.49
2,3,3',4,5-PeCB	106	—	nd	2.54	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	39.7	2.8	57.565	1.99	0.05
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	61	2.68	88.45	3.06	0.08
2,3,3',4',6-PeCB	110	110 + 115	1010	1.9	1464.5	50.64	1.38
2,3,3',5,5'-PeCB	111	—	nd	1.92	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.93	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	21.7	2.69	31.465	1.09	0.03
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	789	2.43	1144.05	39.56	1.08
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.78	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.2	—	—	—
2',3,3',4,5-PeCB	122	—	13.2	3.04	19.14	0.66	0.02
2',3,4,4',5-PeCB	123	—	13.5	2.7	19.575	0.68	0.02
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	4.43	2.81	6.4235	0.22	0.01
3,3',4,5,5'-PeCB	127	—	nd	2.86	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	191	7.52	276.95	9.58	0.26
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	1050	4.09	1522.5	52.65	1.44
2,2',3,3',4,5'-HxCB	130	—	67.6	5.06	98.02	3.39	0.09
2,2',3,3',4,6-HxCB	131	—	14.2	4.66	20.59	0.71	0.02
2,2',3,3',4,6'-HxCB	132	—	375	5.11	543.75	18.80	0.51
2,2',3,3',5,5'-HxCB	133	—	11.5	4.77	16.675	0.58	0.02
2,2',3,3',5,6-HxCB	134	134 + 143	55.2	4.89	80.04	2.77	0.08
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	267	2.25	387.15	13.39	0.37
2,2',3,3',6,6'-HxCB	136	—	96.3	1.83	139.635	4.83	0.13
2,2',3,4,4',5-HxCB	137	—	54.2	4.75	78.59	2.72	0.07
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	19.5	4.44	28.275	0.98	0.03
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	207	4.59	300.15	10.38	0.28
2,2',3,4,5,6-HxCB	142	—	nd	4.78	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	41.5	2.25	60.175	2.08	0.06
2,2',3,4,6,6'-HxCB	145	—	nd	1.91	—	—	—
2,2',3,4',5,5'-HxCB	146	—	134	4.32	194.3	6.72	0.18
2,2',3,4',5,6-HxCB	147	147 + 149	724	4.26	1049.8	36.30	0.99
2,2',3,4',5,6'-HxCB	148	—	nd	2.32	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.88	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.82	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	826	3.69	1197.7	41.41	1.13
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.58	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	99	3.87	143.55	4.96	0.14
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	112	3.15	162.4	5.62	0.15
2,3,3',4,5,5'-HxCB	159	—	11.3	3.43	16.385	0.57	0.02
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	3.28	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	3.59	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	66.1	3.42	95.845	3.31	0.09
2,3,3',5,5',6-HxCB	165	—	nd	3.91	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	36.1	2.55	52.345	1.81	0.05
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	2.92	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	183	2.54	265.35	9.18	0.25
2,2',3,3',4,4',6-HpCB	171	171 + 173	77	2.71	111.65	3.86	0.11
2,2',3,3',4,5,5'-HpCB	172	—	43.4	2.78	62.93	2.18	0.06
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	260	2.54	377	13.04	0.36
2,2',3,3',4,5',6-HpCB	175	—	14.2	2.45	20.59	0.71	0.02
2,2',3,3',4,6,6'-HpCB	176	—	37.3	1.88	54.085	1.87	0.05
2,2',3,3',4',5,6-HpCB	177	—	133	2.62	192.85	6.67	0.18
2,2',3,3',5,5',6-HpCB	178	—	55.9	2.59	81.055	2.80	0.08
2,2',3,3',5,6,6'-HpCB	179	—	100	1.79	145	5.01	0.14
2,2',3,4,4',5,5'-HpCB	180	180 + 193	488	2.14	707.6	24.47	0.67

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	1450
KC Sample ID	L54719-4	**Days**	28.92
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.56	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.38	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	198	2.46	287.1	9.93	0.27
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.8	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.98	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	362	2.47	524.9	18.15	0.50
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.64	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	8.1	2.07	11.745	0.41	0.01
2,3,3',4,4',5,6-HpCB	190	—	42	1.94	60.9	2.11	0.06
2,3,3',4,4',5',6-HpCB	191	—	9.91	1.93	14.3695	0.50	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	2.14	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	119	3.06	172.55	5.97	0.16
2,2',3,3',4,4',5,6-OcCB	195	—	44.3	3.14	64.235	2.22	0.06
2,2',3,3',4,4',5,6'-OcCB	196	—	76.8	2.36	111.36	3.85	0.11
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	27.2	1.69	39.44	1.36	0.04
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	195	8.2	282.75	9.78	0.27
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	27.8	1.78	40.31	1.39	0.04
2,2',3,3',5,5',6,6'-OcCB	202	—	46.7	1.78	67.715	2.34	0.06
2,2',3,4,4',5,5',6-OcCB	203	—	102	2.19	147.9	5.11	0.14
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.67	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	6.23	2.26	9.0335	0.31	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	70.9	3.92	102.805	3.55	0.10
2,2',3,3',4,4',5,6,6'-NoCB	207	—	12.8	3.34	18.56	0.64	0.02
2,2',3,3',4,5,5',6,6'-NoCB	208	—	25.2	3.36	36.54	1.26	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	16.2	2.88	23.49	0.81	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	11.1	1.53	28.86	2.06	0.06
3-MoCB	2	—	5.95	1.39	15.47	1.11	0.03
4-MoCB	3	—	18.2	1.1	47.32	3.38	0.09
2,2'-DiCB	4	—	22.8	3.97	59.28	4.24	0.12
2,3-DiCB	5	—	nd	2.66	—	—	—
2,3'-DiCB	6	—	7.99	2.36	20.774	1.48	0.04
2,4-DiCB	7	—	6.04	2.4	15.704	1.12	0.03
2,4'-DiCB	8	—	36.2	5.69	94.12	6.72	0.18
2,5-DiCB	9	—	2.73	2.36	7.098	0.51	0.01
2,6-DiCB	10	—	nd	2.36	—	—	—
3,3'-DiCB	11	—	60.8	2.57	158.08	11.29	0.31
3,4-DiCB	12	12 + 13	5.51	2.63	14.326	1.02	0.03
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.47	—	—	—
4,4'-DiCB	15	—	23.6	2.41	61.36	4.38	0.12
2,2',3-TriCB	16	—	21.2	2.3	55.12	3.94	0.11
2,2',4-TriCB	17	—	18.8	2.01	48.88	3.49	0.10
2,2',5-TriCB	18	18 + 30	32.1	4.5	83.46	5.96	0.16
2,2',6-TriCB	19	—	5.8	2.06	15.08	1.08	0.03
2,3,3'-TriCB	20	20 + 28	63.6	1.69	165.36	11.81	0.32
2,3,4-TriCB	21	21 + 33	39.4	1.6	102.44	7.32	0.20
2,3,4'-TriCB	22	—	28	1.91	72.8	5.20	0.14
2,3,5-TriCB	23	—	nd	1.67	—	—	—
2,3,6-TriCB	24	—	nd	1.41	—	—	—
2,3',4-TriCB	25	—	3.6	1.41	9.36	0.67	0.02
2,3',5-TriCB	26	26 + 29	10.8	1.64	28.08	2.01	0.05
2,3',6-TriCB	27	—	3.57	1.41	9.282	0.66	0.02
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	53.7	1.54	139.62	9.98	0.27
2,4',6-TriCB	32	—	12.7	1.46	33.02	2.36	0.06
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.6	—	—	—
3,3',4-TriCB	35	—	nd	1.57	—	—	—
3,3',5-TriCB	36	—	nd	1.55	—	—	—
3,4,4'-TriCB	37	—	19.2	1.44	49.92	3.57	0.10
3,4,5-TriCB	38	—	nd	1.56	—	—	—
3,4',5-TriCB	39	—	nd	1.56	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	25.1	2.17	65.26	4.66	0.13
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	9.75	2.23	25.35	1.81	0.05
2,2',3,5-TeCB	43	—	nd	2.83	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	51.9	2.03	134.94	9.64	0.26
2,2',3,6-TeCB	45	45 + 51	9.67	2.36	25.142	1.80	0.05
2,2',3,6'-TeCB	46	—	3.42	2.83	8.892	0.64	0.02
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	9.36	2.3	24.336	1.74	0.05
2,2',4,5'-TeCB	49	49 + 69	24	1.9	62.4	4.46	0.12
2,2',4,6-TeCB	50	50 + 53	6.96	2.22	18.096	1.29	0.04
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	70.1	2.23	182.26	13.02	0.36
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.55	—	—	—
2,3,3',4-TeCB	55	—	nd	1.7	—	—	—
2,3,3',4'-TeCB	56	—	17.4	1.7	45.24	3.23	0.09
2,3,3',5-TeCB	57	—	nd	1.69	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.7	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	4.27	1.63	11.102	0.79	0.02
2,3,4,4'-TeCB	60	—	9.09	1.63	23.634	1.69	0.05

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	75	1.68	195	13.93	0.38
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.61	—	—	—
2,3,4',6-TeCB	64	—	18.5	1.5	48.1	3.44	0.09
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	30.9	1.55	80.34	5.74	0.16
2,3',4,5-TeCB	67	—	nd	1.54	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.67	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.62	—	—	—
2,3',5',6-TeCB	73	—	nd	1.67	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	6.51	1.44	16.926	1.21	0.03
3,3',4,5-TeCB	78	—	nd	1.65	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.38	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.42	—	—	—
3,4,4',5-TeCB	81	—	nd	1.7	—	—	—
2,2',3,3',4-PeCB	82	—	17.8	3.58	46.28	3.31	0.09
2,2',3,3',5-PeCB	83	83 + 99	48	3.08	124.8	8.92	0.24
2,2',3,3',6-PeCB	84	—	20.8	3.7	54.08	3.86	0.11
2,2',3,4,4'-PeCB	85	85 + 116 + 117	17.3	2.62	44.98	3.21	0.09
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	73.1	2.64	190.06	13.58	0.37
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	9.08	3.24	23.608	1.69	0.05
2,2',3,4,6'-PeCB	89	—	nd	3.28	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	84.3	2.61	219.18	15.66	0.43

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	14.2	2.98	36.92	2.64	0.07
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	72	3.22	187.2	13.37	0.37
2,2',3,5,6'-PeCB	94	—	nd	3.58	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.81	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.92	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.81	—	—	—
2,3,3',4,4'-PeCB	105	—	45.5	2.22	118.3	8.45	0.23
2,3,3',4,5-PeCB	106	—	nd	2.39	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	4.67	2.72	12.142	0.87	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	6.69	2.54	17.394	1.24	0.03
2,3,3',4',6-PeCB	110	110 + 115	124	2.33	322.4	23.03	0.63
2,3,3',5,5'-PeCB	111	—	nd	2.41	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2.12	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.53	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	93.4	2.28	242.84	17.35	0.47
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	2.24	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.27	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.81	—	—	—
2',3,4,4',5-PeCB	123	—	2.61	2.54	6.786	0.48	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.14	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.49	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	22.6	2.78	58.76	4.20	0.11
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	135	2.82	351	25.08	0.69
2,2',3,3',4,5'-HxCB	130	—	7.69	3.63	19.994	1.43	0.04
2,2',3,3',4,6-HxCB	131	—	nd	3.63	—	—	—
2,2',3,3',4,6'-HxCB	132	—	36.1	3.81	93.86	6.71	0.18
2,2',3,3',5,5'-HxCB	133	—	nd	3.51	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	5.62	3.58	14.612	1.04	0.03
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	32.6	2.5	84.76	6.06	0.17
2,2',3,3',6,6'-HxCB	136	—	10.8	1.77	28.08	2.01	0.05
2,2',3,4,4',5-HxCB	137	—	6.47	3.19	16.822	1.20	0.03
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	3.33	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	23.2	3.15	60.32	4.31	0.12
2,2',3,4,5,6-HxCB	142	—	nd	3.65	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	5.42	2.52	14.092	1.01	0.03
2,2',3,4,6,6'-HxCB	145	—	nd	1.9	—	—	—
2,2',3,4',5,5'-HxCB	146	—	14.8	3.11	38.48	2.75	0.08
2,2',3,4',5,6-HxCB	147	147 + 149	92.6	3.28	240.76	17.20	0.47
2,2',3,4',5,6'-HxCB	148	—	nd	2.59	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.7	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.67	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	86.9	2.54	225.94	16.14	0.44
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.99	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	12.8	2.57	33.28	2.38	0.06
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	13.2	2.22	34.32	2.45	0.07
2,3,3',4,5,5'-HxCB	159	—	nd	2.35	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.29	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.42	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	8.89	2.6	23.114	1.65	0.05
2,3,3',5,5',6-HxCB	165	—	nd	2.81	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	5.49	1.78	14.274	1.02	0.03
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.88	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	25.7	2.22	66.82	4.77	0.13
2,2',3,3',4,4',6-HpCB	171	171 + 173	12.1	2.7	31.46	2.25	0.06
2,2',3,3',4,5,5'-HpCB	172	—	6.89	2.77	17.914	1.28	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	37.4	2.49	97.24	6.95	0.19
2,2',3,3',4,5',6-HpCB	175	—	nd	2.5	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	3.89	1.84	10.114	0.72	0.02
2,2',3,3',4',5,6-HpCB	177	—	22.8	2.6	59.28	4.24	0.12
2,2',3,3',5,5',6-HpCB	178	—	7.88	2.53	20.488	1.46	0.04
2,2',3,3',5,6,6'-HpCB	179	—	13.1	1.83	34.06	2.43	0.07
2,2',3,4,4',5,5'-HpCB	180	180 + 193	70.6	1.88	183.56	13.11	0.36

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG39373	**Total Volume (mL)**	2600
KC Sample ID	L54845-5	**Days**	14.00
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.69	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.43	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	25.7	2.41	66.82	4.77	0.13
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.83	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.97	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	48.5	2.33	126.1	9.01	0.25
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.89	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.77	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	7.3	1.96	18.98	1.36	0.04
2,3,3',4,4',5',6-HpCB	191	—	nd	1.93	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.18	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	20.4	2.59	53.04	3.79	0.10
2,2',3,3',4,4',5,6-OcCB	195	—	6.13	2.7	15.938	1.14	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	9.79	2.49	25.454	1.82	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	3.38	2	8.788	0.63	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	33.8	8.78	87.88	6.28	0.17
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	3.17	1.85	8.242	0.59	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	7.46	1.91	19.396	1.39	0.04
2,2',3,4,4',5,5',6-OcCB	203	—	15.1	2.42	39.26	2.80	0.08
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.79	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.94	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	13.2	4.13	34.32	2.45	0.07
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.66	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	4.48	3.79	11.648	0.83	0.02
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.29	2.56	8.554	0.61	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	11.1	0.897	21.09	1.64	0.04
3-MoCB	2	—	9.5	1.06	18.05	1.41	0.04
4-MoCB	3	—	11.3	0.931	21.47	1.67	0.05
2,2'-DiCB	4	—	11.8	4.3	22.42	1.75	0.05
2,3-DiCB	5	—	nd	3.54	—	—	—
2,3'-DiCB	6	—	7.35	3.22	13.965	1.09	0.03
2,4-DiCB	7	—	nd	3.28	—	—	—
2,4'-DiCB	8	—	29.5	2.98	56.05	4.37	0.12
2,5-DiCB	9	—	8.44	3.09	16.036	1.25	0.03
2,6-DiCB	10	—	nd	3.23	—	—	—
3,3'-DiCB	11	—	51.9	3.52	98.61	7.68	0.21
3,4-DiCB	12	12 + 13	4.87	3.52	9.253	0.72	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	3.32	—	—	—
4,4'-DiCB	15	—	14.3	3.07	27.17	2.12	0.06
2,2',3-TriCB	16	—	12.8	2.63	24.32	1.89	0.05
2,2',4-TriCB	17	—	12.7	2.23	24.13	1.88	0.05
2,2',5-TriCB	18	18 + 30	26.6	1.82	50.54	3.94	0.11
2,2',6-TriCB	19	—	4	2.44	7.6	0.59	0.02
2,3,3'-TriCB	20	20 + 28	32.5	1.76	61.75	4.81	0.13
2,3,4-TriCB	21	21 + 33	20.1	1.73	38.19	2.97	0.08
2,3,4'-TriCB	22	—	13.9	1.93	26.41	2.06	0.06
2,3,5-TriCB	23	—	nd	1.85	—	—	—
2,3,6-TriCB	24	—	nd	1.65	—	—	—
2,3',4-TriCB	25	—	2.97	1.53	5.643	0.44	0.01
2,3',5-TriCB	26	26 + 29	7.72	1.77	14.668	1.14	0.03
2,3',6-TriCB	27	—	1.53	1.48	2.907	0.23	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	28.1	1.63	53.39	4.16	0.11
2,4',6-TriCB	32	—	7.31	1.64	13.889	1.08	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.76	—	—	—
3,3',4-TriCB	35	—	nd	1.91	—	—	—
3,3',5-TriCB	36	—	nd	1.77	—	—	—
3,4,4'-TriCB	37	—	9.48	1.65	18.012	1.40	0.04
3,4,5-TriCB	38	—	nd	1.77	—	—	—
3,4',5-TriCB	39	—	nd	1.76	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	13.1	1.81	24.89	1.94	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	5.47	1.9	10.393	0.81	0.02
2,2',3,5-TeCB	43	—	nd	2.13	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	32.7	1.65	62.13	4.84	0.13
2,2',3,6-TeCB	45	45 + 51	5.88	1.78	11.172	0.87	0.02
2,2',3,6'-TeCB	46	—	nd	2.08	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	4.14	1.84	7.866	0.61	0.02
2,2',4,5'-TeCB	49	49 + 69	13.5	1.52	25.65	2.00	0.05
2,2',4,6-TeCB	50	50 + 53	3.68	1.73	6.992	0.54	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	41.5	1.69	78.85	6.14	0.17
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.25	—	—	—
2,3,3',4-TeCB	55	—	nd	2.02	—	—	—
2,3,3',4'-TeCB	56	—	8.51	1.96	16.169	1.26	0.03
2,3,3',5-TeCB	57	—	nd	1.76	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.89	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	1.92	1.32	3.648	0.28	0.01
2,3,4,4'-TeCB	60	—	3.69	1.93	7.011	0.55	0.01

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	43	1.79	81.7	6.36	0.17
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.74	—	—	—
2,3,4',6-TeCB	64	—	11	1.29	20.9	1.63	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	16	1.81	30.4	2.37	0.06
2,3',4,5-TeCB	67	—	nd	1.6	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.71	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.68	—	—	—
2,3',5',6-TeCB	73	—	nd	1.34	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	3.07	1.78	5.833	0.45	0.01
3,3',4,5-TeCB	78	—	nd	1.98	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.56	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.73	—	—	—
3,4,4',5-TeCB	81	—	nd	1.79	—	—	—
2,2',3,3',4-PeCB	82	—	5.71	3.08	10.849	0.84	0.02
2,2',3,3',5-PeCB	83	83 + 99	21.5	2.8	40.85	3.18	0.09
2,2',3,3',6-PeCB	84	—	13.3	2.98	25.27	1.97	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	8.51	2.34	16.169	1.26	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	30.4	2.38	57.76	4.50	0.12
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	5.77	2.59	10.963	0.85	0.02
2,2',3,4,6'-PeCB	89	—	nd	2.89	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	43.5	2.33	82.65	6.44	0.18

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	7.81	2.74	14.839	1.16	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	33.7	2.58	64.03	4.99	0.14
2,2',3,5,6'-PeCB	94	—	nd	2.85	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.32	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.29	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.31	—	—	—
2,3,3',4,4'-PeCB	105	—	17.9	2.31	34.01	2.65	0.07
2,3,3',4,5-PeCB	106	—	nd	2.69	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	2.71	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	2.58	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	55.3	1.99	105.07	8.18	0.22
2,3,3',5,5'-PeCB	111	—	nd	2.07	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2.06	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.26	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	38.4	2.11	72.96	5.68	0.16
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.98	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.05	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.89	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.28	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.55	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.55	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	8.65	2.76	16.435	1.28	0.03
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	64.2	2.87	121.98	9.50	0.26
2,2',3,3',4,5'-HxCB	130	—	nd	3.74	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	3.54	—	—	—
2,2',3,3',4,6'-HxCB	132	—	23.9	3.88	45.41	3.54	0.10
2,2',3,3',5,5'-HxCB	133	—	nd	3.5	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	3.64	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	13.9	4.13	26.41	2.06	0.06
2,2',3,3',6,6'-HxCB	136	—	4.35	3.08	8.265	0.64	0.02
2,2',3,4,4',5-HxCB	137	—	nd	3.56	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	3.32	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	13.9	3.35	26.41	2.06	0.06
2,2',3,4,5,6-HxCB	142	—	nd	3.66	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	4.19	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	3.3	—	—	—
2,2',3,4',5,5'-HxCB	146	—	12.5	3.24	23.75	1.85	0.05
2,2',3,4',5,6-HxCB	147	147 + 149	42.3	3.18	80.37	6.26	0.17
2,2',3,4',5,6'-HxCB	148	—	nd	4.23	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3.21	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	2.87	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	47.1	2.54	89.49	6.97	0.19
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.35	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	8.43	2.6	16.017	1.25	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	6.57	2.24	12.483	0.97	0.03
2,3,3',4,5,5'-HxCB	159	—	nd	2.21	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.35	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.41	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	4.05	2.4	7.695	0.60	0.02
2,3,3',5,5',6-HxCB	165	—	nd	2.84	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	2.62	2.01	4.978	0.39	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.97	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	13.2	3.07	25.08	1.95	0.05
2,2',3,3',4,4',6-HpCB	171	171 + 173	3.55	3.45	6.745	0.53	0.01
2,2',3,3',4,5,5'-HpCB	172	—	nd	3.31	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	13.4	3.06	25.46	1.98	0.05
2,2',3,3',4,5',6-HpCB	175	—	nd	3.09	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	2.48	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	9.08	3.27	17.252	1.34	0.04
2,2',3,3',5,5',6-HpCB	178	—	3.71	3.34	7.049	0.55	0.01
2,2',3,3',5,6,6'-HpCB	179	—	5.14	2.54	9.766	0.76	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	28.7	2.48	54.53	4.25	0.12

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55530-5	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	3.15	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	3.15	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	8.91	3.08	16.929	1.32	0.04
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.43	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.67	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	20.4	3	38.76	3.02	0.08
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.13	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.71	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	2.26	2.17	4.294	0.33	0.01
2,3,3',4,4',5',6-HpCB	191	—	nd	2.23	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.6	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	6.72	2.26	12.768	0.99	0.03
2,2',3,3',4,4',5,6-OcCB	195	—	2.64	2.58	5.016	0.39	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	4.46	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	3.73	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	12.1	4.83	22.99	1.79	0.05
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	3.78	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	3.9	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	6.2	4.32	11.78	0.92	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	3.75	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.84	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	5.59	3.64	10.621	0.83	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.98	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.07	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	2.88	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2-MoCB	1	—	11.6	0.795	21.46	1.67	0.05
3-MoCB	2	—	9.71	0.988	17.9635	1.40	0.04
4-MoCB	3	—	12.2	0.917	22.57	1.76	0.05
2,2'-DiCB	4	—	11.5	3.89	21.275	1.66	0.05
2,3-DiCB	5	—	nd	3.45	—	—	—
2,3'-DiCB	6	—	5.59	3.14	10.3415	0.81	0.02
2,4-DiCB	7	—	nd	3.2	—	—	—
2,4'-DiCB	8	—	26.9	2.9	49.765	3.88	0.11
2,5-DiCB	9	—	7.61	3.01	14.0785	1.10	0.03
2,6-DiCB	10	—	nd	3.14	—	—	—
3,3'-DiCB	11	—	45.5	3.43	84.175	6.56	0.18
3,4-DiCB	12	12 + 13	nd	3.43	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	3.23	—	—	—
4,4'-DiCB	15	—	9.68	3.1	17.908	1.39	0.04
2,2',3-TriCB	16	—	12.4	2.44	22.94	1.79	0.05
2,2',4-TriCB	17	—	9.15	2.07	16.9275	1.32	0.04
2,2',5-TriCB	18	18 + 30	22.3	1.69	41.255	3.21	0.09
2,2',6-TriCB	19	—	3.95	2.23	7.3075	0.57	0.02
2,3,3'-TriCB	20	20 + 28	24.3	1.97	44.955	3.50	0.10
2,3,4-TriCB	21	21 + 33	15	1.93	27.75	2.16	0.06
2,3,4'-TriCB	22	—	10.7	2.16	19.795	1.54	0.04
2,3,5-TriCB	23	—	nd	2.07	—	—	—
2,3,6-TriCB	24	—	nd	1.54	—	—	—
2,3',4-TriCB	25	—	1.91	1.72	3.5335	0.28	0.01
2,3',5-TriCB	26	26 + 29	5.77	1.99	10.6745	0.83	0.02
2,3',6-TriCB	27	—	1.47	1.37	2.7195	0.21	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	23.3	1.83	43.105	3.36	0.09
2,4',6-TriCB	32	—	6.89	1.83	12.7465	0.99	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.97	—	—	—
3,3',4-TriCB	35	—	nd	2.13	—	—	—
3,3',5-TriCB	36	—	nd	1.98	—	—	—
3,4,4'-TriCB	37	—	6.28	1.88	11.618	0.90	0.02
3,4,5-TriCB	38	—	nd	1.98	—	—	—
3,4',5-TriCB	39	—	nd	1.97	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	10.2	2.34	18.87	1.47	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	3.22	2.47	5.957	0.46	0.01
2,2',3,5-TeCB	43	—	nd	2.76	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	24.4	2.13	45.14	3.52	0.10
2,2',3,6-TeCB	45	45 + 51	5.06	2.31	9.361	0.73	0.02
2,2',3,6'-TeCB	46	—	nd	2.7	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	3.5	2.39	6.475	0.50	0.01
2,2',4,5'-TeCB	49	49 + 69	10.9	1.97	20.165	1.57	0.04
2,2',4,6-TeCB	50	50 + 53	2.52	2.24	4.662	0.36	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	32.6	2.2	60.31	4.70	0.13
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.8	—	—	—
2,3,3',4-TeCB	55	—	nd	2.43	—	—	—
2,3,3',4'-TeCB	56	—	9.16	2.36	16.946	1.32	0.04
2,3,3',5-TeCB	57	—	nd	2.11	—	—	—
2,3,3',5'-TeCB	58	—	nd	2.27	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.71	—	—	—
2,3,4,4'-TeCB	60	—	3.98	2.32	7.363	0.57	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	43.2	2.15	79.92	6.22	0.17
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	2.09	—	—	—
2,3,4',6-TeCB	64	—	7.82	1.67	14.467	1.13	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	15	2.17	27.75	2.16	0.06
2,3',4,5-TeCB	67	—	nd	1.92	—	—	—
2,3',4,5'-TeCB	68	—	nd	2.06	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	2.02	—	—	—
2,3',5',6-TeCB	73	—	nd	1.74	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	9.73	2	18.0005	1.40	0.04
3,3',4,5-TeCB	78	—	nd	2.38	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.88	—	—	—
3,3',5,5'-TeCB	80	—	nd	2.08	—	—	—
3,4,4',5-TeCB	81	—	nd	2.12	—	—	—
2,2',3,3',4-PeCB	82	—	9.77	3.51	18.0745	1.41	0.04
2,2',3,3',5-PeCB	83	83 + 99	26.4	3.19	48.84	3.80	0.10
2,2',3,3',6-PeCB	84	—	15.5	3.39	28.675	2.23	0.06
2,2',3,4,4'-PeCB	85	85 + 116 + 117	11.3	2.66	20.905	1.63	0.04
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	53.4	2.71	98.79	7.69	0.21
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	7.06	2.95	13.061	1.02	0.03
2,2',3,4,6'-PeCB	89	—	nd	3.29	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	66.1	2.65	122.285	9.52	0.26

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	12.9	3.12	23.865	1.86	0.05
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	41.2	2.94	76.22	5.94	0.16
2,2',3,5,6'-PeCB	94	—	nd	3.25	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.37	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.61	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.5	—	—	—
2,3,3',4,4'-PeCB	105	—	32.8	2.23	60.68	4.73	0.13
2,3,3',4,5-PeCB	106	—	nd	2.64	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	4.56	2.66	8.436	0.66	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	6.53	2.53	12.0805	0.94	0.03
2,3,3',4',6-PeCB	110	110 + 115	97.2	2.26	179.82	14.00	0.38
2,3,3',5,5'-PeCB	111	—	nd	2.36	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2.34	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.26	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	67.2	2.04	124.32	9.68	0.26
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	2.25	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3',4,5',6-PeCB	121	—	nd	2.34	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.83	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.21	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	2.71	2.62	5.0135	0.39	0.01
3,3',4,5,5'-PeCB	127	—	nd	2.5	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	29.9	3.05	55.315	4.31	0.12
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	161	3.18	297.85	23.20	0.63
2,2',3,3',4,5'-HxCB	130	—	10.1	4.14	18.685	1.46	0.04
2,2',3,3',4,6-HxCB	131	—	nd	3.92	—	—	—
2,2',3,3',4,6'-HxCB	132	—	50.6	4.3	93.61	7.29	0.20
2,2',3,3',5,5'-HxCB	133	—	nd	3.87	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	6.88	4.03	12.728	0.99	0.03
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	37.7	4.56	69.745	5.43	0.15
2,2',3,3',6,6'-HxCB	136	—	12.9	3.4	23.865	1.86	0.05
2,2',3,4,4',5-HxCB	137	—	6.28	3.94	11.618	0.90	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	3.68	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	31.7	3.71	58.645	4.57	0.12
2,2',3,4,5,6-HxCB	142	—	nd	4.05	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	5.73	4.63	10.6005	0.83	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	3.64	—	—	—
2,2',3,4',5,5'-HxCB	146	—	29.1	3.59	53.835	4.19	0.11
2,2',3,4',5,6-HxCB	147	147 + 149	103	3.52	190.55	14.84	0.41
2,2',3,4',5,6'-HxCB	148	—	nd	4.67	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3.54	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	3.16	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	118	2.81	218.3	17.00	0.46
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.78	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	17.4	2.83	32.19	2.51	0.07
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	18	2.47	33.3	2.59	0.07
2,3,3',4,5,5'-HxCB	159	—	nd	2.45	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.6	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.67	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	12.7	2.65	23.495	1.83	0.05
2,3,3',5,5',6-HxCB	165	—	nd	3.15	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	7.35	2.2	13.5975	1.06	0.03
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	2.17	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	53.3	3.57	98.605	7.68	0.21
2,2',3,3',4,4',6-HpCB	171	171 + 173	13.4	3.49	24.79	1.93	0.05
2,2',3,3',4,5,5'-HpCB	172	—	8.33	3.35	15.4105	1.20	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	40.4	3.1	74.74	5.82	0.16
2,2',3,3',4,5',6-HpCB	175	—	nd	3.12	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	5.34	2.52	9.879	0.77	0.02
2,2',3,3',4',5,6-HpCB	177	—	28.5	3.31	52.725	4.11	0.11
2,2',3,3',5,5',6-HpCB	178	—	8.23	3.39	15.2255	1.19	0.03
2,2',3,3',5,6,6'-HpCB	179	—	16.6	2.57	30.71	2.39	0.07
2,2',3,4,4',5,5'-HpCB	180	180 + 193	118	2.72	218.3	17.00	0.46

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	1850				
KC Sample ID	L55530-6	**Days**	12.84			**Replicate of L55530-5**	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4,4',5,6-HpCB	181	—	nd	3.19	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	3.19	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	28.6	3.12	52.91	4.12	0.11
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.46	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.7	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	55	3.04	101.75	7.92	0.22
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.26	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	2.83	2.61	5.2355	0.41	0.01
2,3,3',4,4',5,6-HpCB	190	—	9.3	2.2	17.205	1.34	0.04
2,3,3',4,4',5',6-HpCB	191	—	nd	2.26	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.63	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	30.6	2.25	56.61	4.41	0.12
2,2',3,3',4,4',5,6-OcCB	195	—	12.9	2.57	23.865	1.86	0.05
2,2',3,3',4,4',5,6'-OcCB	196	—	13.7	4.73	25.345	1.97	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	3.96	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	31.2	5.13	57.72	4.50	0.12
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	4.01	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	7.2	4.03	13.32	1.04	0.03
2,2',3,4,4',5,5',6-OcCB	203	—	19.5	4.59	36.075	2.81	0.08
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	3.98	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.86	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	12.1	3.96	22.385	1.74	0.05
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.16	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.18	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	4.01	2.65	7.4185	0.58	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	12.7	0.83	41.91	5.98	0.04
3-MoCB	2	—	8.87	1.01	29.271	4.17	0.03
4-MoCB	3	—	12.6	0.915	41.58	5.93	0.04
2,2'-DiCB	4	—	16.4	2.8	54.12	7.72	0.05
2,3-DiCB	5	—	nd	2.65	—	—	—
2,3'-DiCB	6	—	8.26	2.41	27.258	3.89	0.02
2,4-DiCB	7	—	3.8	2.45	12.54	1.79	0.01
2,4'-DiCB	8	—	28.1	2.23	92.73	13.22	0.08
2,5-DiCB	9	—	6.86	2.31	22.638	3.23	0.02
2,6-DiCB	10	—	nd	2.41	—	—	—
3,3'-DiCB	11	—	49.2	2.63	162.36	23.15	0.14
3,4-DiCB	12	12 + 13	2.88	2.63	9.504	1.36	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.48	—	—	—
4,4'-DiCB	15	—	11.5	2.49	37.95	5.41	0.03
2,2',3-TriCB	16	—	14.5	2.21	47.85	6.82	0.04
2,2',4-TriCB	17	—	10.7	1.88	35.31	5.03	0.03
2,2',5-TriCB	18	18 + 30	26.5	1.53	87.45	12.47	0.08
2,2',6-TriCB	19	—	4.85	1.97	16.005	2.28	0.01
2,3,3'-TriCB	20	20 + 28	31.6	1.83	104.28	14.87	0.09
2,3,4-TriCB	21	21 + 33	21.4	1.8	70.62	10.07	0.06
2,3,4'-TriCB	22	—	13.3	2.01	43.89	6.26	0.04
2,3,5-TriCB	23	—	nd	1.93	—	—	—
2,3,6-TriCB	24	—	nd	1.39	—	—	—
2,3',4-TriCB	25	—	2.47	1.6	8.151	1.16	0.01
2,3',5-TriCB	26	26 + 29	7.48	1.85	24.684	3.52	0.02
2,3',6-TriCB	27	—	1.5	1.24	4.95	0.71	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	28.2	1.7	93.06	13.27	0.08
2,4',6-TriCB	32	—	7.96	1.71	26.268	3.75	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.83	—	—	—
3,3',4-TriCB	35	—	nd	1.99	—	—	—
3,3',5-TriCB	36	—	nd	1.85	—	—	—
3,4,4'-TriCB	37	—	9.14	1.77	30.162	4.30	0.03
3,4,5-TriCB	38	—	nd	1.84	—	—	—
3,4',5-TriCB	39	—	nd	1.84	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	16.5	1.76	54.45	7.76	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	7.14	1.86	23.562	3.36	0.02
2,2',3,5-TeCB	43	—	nd	2.08	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	38.2	1.6	126.06	17.97	0.11
2,2',3,6-TeCB	45	45 + 51	5.06	1.74	16.698	2.38	0.01
2,2',3,6'-TeCB	46	—	nd	2.03	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	5.71	1.8	18.843	2.69	0.02
2,2',4,5'-TeCB	49	49 + 69	19.2	1.48	63.36	9.03	0.06
2,2',4,6-TeCB	50	50 + 53	4.5	1.69	14.85	2.12	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	72.1	1.65	237.93	33.92	0.21
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.24	—	—	—
2,3,3',4-TeCB	55	—	nd	2.13	—	—	—
2,3,3',4'-TeCB	56	—	15.3	2.07	50.49	7.20	0.04
2,3,3',5-TeCB	57	—	nd	1.86	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.99	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	1.83	1.29	6.039	0.86	0.01
2,3,4,4'-TeCB	60	—	6.08	2.04	20.064	2.86	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	84	1.89	277.2	39.52	0.24
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.83	—	—	—
2,3,4',6-TeCB	64	—	13.8	1.26	45.54	6.49	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	27	1.91	89.1	12.70	0.08
2,3',4,5-TeCB	67	—	nd	1.69	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.81	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.78	—	—	—
2,3',5',6-TeCB	73	—	nd	1.31	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	8.86	1.85	29.238	4.17	0.03
3,3',4,5-TeCB	78	—	nd	2.09	—	—	—
3,3',4,5'-TeCB	79	—	2.12	1.65	6.996	1.00	0.01
3,3',5,5'-TeCB	80	—	nd	1.82	—	—	—
3,4,4',5-TeCB	81	—	nd	1.89	—	—	—
2,2',3,3',4-PeCB	82	—	17.2	3	56.76	8.09	0.05
2,2',3,3',5-PeCB	83	83 + 99	68	2.72	224.4	31.99	0.19
2,2',3,3',6-PeCB	84	—	37.8	2.9	124.74	17.79	0.11
2,2',3,4,4'-PeCB	85	85 + 116 + 117	23.9	2.28	78.87	11.25	0.07
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	101	2.31	333.3	47.52	0.29
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	16.4	2.52	54.12	7.72	0.05
2,2',3,4,6'-PeCB	89	—	nd	2.81	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	138	2.27	455.4	64.93	0.40

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	25.8	2.66	85.14	12.14	0.07
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	106	2.51	349.8	49.87	0.30
2,2',3,5,6'-PeCB	94	—	nd	2.78	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.2	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.23	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.26	—	—	—
2,3,3',4,4'-PeCB	105	—	50.2	2.27	165.66	23.62	0.14
2,3,3',4,5-PeCB	106	—	nd	2.68	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	6.49	2.7	21.417	3.05	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	11	2.57	36.3	5.18	0.03
2,3,3',4',6-PeCB	110	110 + 115	172	1.93	567.6	80.93	0.49
2,3,3',5,5'-PeCB	111	—	nd	2.02	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.26	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	116	2.1	382.8	54.58	0.33
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.92	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.87	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.26	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.47	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.54	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	30.7	2.79	101.31	14.44	0.09
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	200	2.91	660	94.10	0.57
2,2',3,3',4,5'-HxCB	130	—	11.8	3.79	38.94	5.55	0.03
2,2',3,3',4,6-HxCB	131	—	nd	3.58	—	—	—
2,2',3,3',4,6'-HxCB	132	—	70.5	3.93	232.65	33.17	0.20
2,2',3,3',5,5'-HxCB	133	—	nd	3.54	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	9.11	3.69	30.063	4.29	0.03
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	50	4.06	165	23.53	0.14
2,2',3,3',6,6'-HxCB	136	—	21.4	3.03	70.62	10.07	0.06
2,2',3,4,4',5-HxCB	137	—	10.3	3.6	33.99	4.85	0.03
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	3.36	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	34.9	3.4	115.17	16.42	0.10
2,2',3,4,5,6-HxCB	142	—	nd	3.71	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	6.57	4.12	21.681	3.09	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	3.25	—	—	—
2,2',3,4',5,5'-HxCB	146	—	32.4	3.28	106.92	15.24	0.09
2,2',3,4',5,6-HxCB	147	147 + 149	134	3.22	442.2	63.05	0.38
2,2',3,4',5,6'-HxCB	148	—	nd	4.17	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3.15	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	2.82	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	137	2.57	452.1	64.46	0.39
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.46	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	24.4	2.57	80.52	11.48	0.07
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	21.5	2.26	70.95	10.12	0.06
2,3,3',4,5,5'-HxCB	159	—	nd	2.24	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.38	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.44	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	13.4	2.43	44.22	6.30	0.04
2,3,3',5,5',6-HxCB	165	—	nd	2.88	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	7.81	2.04	25.773	3.67	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.98	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	42	3.07	138.6	19.76	0.12
2,2',3,3',4,4',6-HpCB	171	171 + 173	12.9	3.08	42.57	6.07	0.04
2,2',3,3',4,5,5'-HpCB	172	—	8.21	2.96	27.093	3.86	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	34.6	2.74	114.18	16.28	0.10
2,2',3,3',4,5',6-HpCB	175	—	nd	2.76	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	3.82	2.22	12.606	1.80	0.01
2,2',3,3',4',5,6-HpCB	177	—	19.4	2.93	64.02	9.13	0.06
2,2',3,3',5,5',6-HpCB	178	—	8.34	2.99	27.522	3.92	0.02
2,2',3,3',5,6,6'-HpCB	179	—	13.3	2.27	43.89	6.26	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	92.9	2.29	306.57	43.71	0.27

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41271	**Total Volume (mL)**	3300
KC Sample ID	L56076-1	**Days**	7.01
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.82	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.82	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	24.2	2.76	79.86	11.39	0.07
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.18	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.39	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	45.6	2.69	150.48	21.45	0.13
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.02	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.53	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	8.99	1.94	29.667	4.23	0.03
2,3,3',4,4',5',6-HpCB	191	—	nd	2	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.33	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	29.1	2.63	96.03	13.69	0.08
2,2',3,3',4,4',5,6-OcCB	195	—	8.14	3	26.862	3.83	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	16.1	5.01	53.13	7.58	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	6.44	4.19	21.252	3.03	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	60.3	5.42	198.99	28.37	0.17
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	5.4	4.24	17.82	2.54	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	10.7	4.68	35.31	5.03	0.03
2,2',3,4,4',5,5',6-OcCB	203	—	33	4.85	108.9	15.53	0.09
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	4.21	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	2.09	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	174	4.16	574.2	81.87	0.50
2,2',3,3',4,4',5,6,6'-NoCB	207	—	18.4	3.45	60.72	8.66	0.05
2,2',3,3',4,5,5',6,6'-NoCB	208	—	62.8	3.59	207.24	29.55	0.18
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	80.5	3.47	265.65	37.88	0.23

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-1	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	84.2	50.4	33.68	1.59	0.01
2,3-DiCB	5	—	nd	38.1	—	—	—
2,3'-DiCB	6	—	69.6	33.4	27.84	1.31	0.01
2,4-DiCB	7	—	39	34.9	15.6	0.74	0.00
2,4'-DiCB	8	—	257	31.2	102.8	4.85	0.03
2,5-DiCB	9	—	61.8	32.6	24.72	1.17	0.01
2,6-DiCB	10	—	nd	33.8	—	—	—
3,3'-DiCB	11	—	5090	38.9	2036	96.03	0.58
3,4-DiCB	12	12 + 13	58.7	38.9	23.48	1.11	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	35.8	—	—	—
4,4'-DiCB	15	—	280	34.5	112	5.28	0.03
2,2',3-TriCB	16	—	173	16.7	69.2	3.26	0.02
2,2',4-TriCB	17	—	160	14.6	64	3.02	0.02
2,2',5-TriCB	18	18 + 30	371	11.8	148.4	7.00	0.04
2,2',6-TriCB	19	—	59.2	15	23.68	1.12	0.01
2,3,3'-TriCB	20	20 + 28	626	10.5	250.4	11.81	0.07
2,3,4-TriCB	21	21 + 33	312	10.4	124.8	5.89	0.04
2,3,4'-TriCB	22	—	250	11.7	100	4.72	0.03
2,3,5-TriCB	23	—	nd	11.1	—	—	—
2,3,6-TriCB	24	—	nd	11.1	—	—	—
2,3',4-TriCB	25	—	43.6	9.11	17.44	0.82	0.01
2,3',5-TriCB	26	26 + 29	119	10.6	47.6	2.25	0.01
2,3',6-TriCB	27	—	22.6	9.77	9.04	0.43	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400				
KC Sample ID	L56292-1	**Days**	21.20				
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	472	9.71	188.8	8.91	0.05
2,4',6-TriCB	32	—	122	9.66	48.8	2.30	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	10.3	—	—	—
3,3',4-TriCB	35	—	123	12.4	49.2	2.32	0.01
3,3',5-TriCB	36	—	16.4	11	6.56	0.31	0.00
3,4,4'-TriCB	37	—	308	11	123.2	5.81	0.04
3,4,5-TriCB	38	—	nd	10.6	—	—	—
3,4',5-TriCB	39	—	nd	11	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	370	20.6	148	6.98	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	173	22	69.2	3.26	0.02
2,2',3,5-TeCB	43	—	nd	23.6	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	723	18.9	289.2	13.64	0.08
2,2',3,6-TeCB	45	45 + 51	108	19.4	43.2	2.04	0.01
2,2',3,6'-TeCB	46	—	44.1	22.7	17.64	0.83	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	123	20.7	49.2	2.32	0.01
2,2',4,5'-TeCB	49	49 + 69	343	17	137.2	6.47	0.04
2,2',4,6-TeCB	50	50 + 53	81.7	18.4	32.68	1.54	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	986	18.8	394.4	18.60	0.11
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	13.3	—	—	—
2,3,3',4-TeCB	55	—	nd	23.6	—	—	—
2,3,3',4'-TeCB	56	—	363	22.9	145.2	6.85	0.04
2,3,3',5-TeCB	57	—	nd	20.9	—	—	—
2,3,3',5'-TeCB	58	—	nd	20.9	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	63.4	15.1	25.36	1.20	0.01
2,3,4,4'-TeCB	60	—	180	22.6	72	3.40	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-1	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	1600	20.9	640	30.19	0.18
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	28.9	20.2	11.56	0.55	0.00
2,3,4',6-TeCB	64	—	291	15.3	116.4	5.49	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	583	21.4	233.2	11.00	0.07
2,3',4,5-TeCB	67	—	20.2	18.6	8.08	0.38	0.00
2,3',4,5'-TeCB	68	—	nd	19.8	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	19.9	—	—	—
2,3',5',6-TeCB	73	—	nd	15.1	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	186	19.7	74.4	3.51	0.02
3,3',4,5-TeCB	78	—	nd	23.5	—	—	—
3,3',4,5'-TeCB	79	—	30.8	18	12.32	0.58	0.00
3,3',5,5'-TeCB	80	—	nd	20.5	—	—	—
3,4,4',5-TeCB	81	—	nd	20.4	—	—	—
2,2',3,3',4-PeCB	82	—	267	36.2	106.8	5.04	0.03
2,2',3,3',5-PeCB	83	83 + 99	956	33.5	382.4	18.04	0.11
2,2',3,3',6-PeCB	84	—	458	37.1	183.2	8.64	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	285	27.6	114	5.38	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1380	28.3	552	26.04	0.16
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	265	32.3	106	5.00	0.03
2,2',3,4,6'-PeCB	89	—	nd	33.8	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	1750	27.8	700	33.02	0.20

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-1	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	321	32.4	128.4	6.06	0.04
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	1360	31.6	544	25.66	0.16
2,2',3,5,6'-PeCB	94	—	nd	35.2	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	17.4	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	28	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	20.2	—	—	—
2,3,3',4,4'-PeCB	105	—	788	30	315.2	14.87	0.09
2,3,3',4,5-PeCB	106	—	nd	31.9	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	91.9	33	36.76	1.73	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	136	29.1	54.4	2.57	0.02
2,3,3',4',6-PeCB	110	110 + 115	2140	24.4	856	40.37	0.25
2,3,3',5,5'-PeCB	111	—	nd	24.2	—	—	—
2,3,3',5,6-PeCB	112	—	nd	24.2	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	34.2	28.2	13.68	0.65	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	1800	25	720	33.96	0.21
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	22.8	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-1	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	24.1	—	—	—
2',3,3',4,5-PeCB	122	—	nd	34.8	—	—	—
2',3,4,4',5-PeCB	123	—	33	29.8	13.2	0.62	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	45.7	30.8	18.28	0.86	0.01
3,3',4,5,5'-PeCB	127	—	nd	31.7	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	521	40.2	208.4	9.83	0.06
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3690	41	1476	69.62	0.42
2,2',3,3',4,5'-HxCB	130	—	255	53	102	4.81	0.03
2,2',3,3',4,6-HxCB	131	—	nd	47.4	—	—	—
2,2',3,3',4,6'-HxCB	132	—	1090	50.5	436	20.56	0.13
2,2',3,3',5,5'-HxCB	133	—	58.4	48.4	23.36	1.10	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	142	51	56.8	2.68	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	906	29.1	362.4	17.09	0.10
2,2',3,3',6,6'-HxCB	136	—	291	21.4	116.4	5.49	0.03
2,2',3,4,4',5-HxCB	137	—	125	47.5	50	2.36	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	50	44.1	20	0.94	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	777	47.6	310.8	14.66	0.09
2,2',3,4,5,6-HxCB	142	—	nd	51.7	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	125	29.6	50	2.36	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	23.7	—	—	—
2,2',3,4',5,5'-HxCB	146	—	767	45.3	306.8	14.47	0.09
2,2',3,4',5,6-HxCB	147	147 + 149	2730	47.6	1092	51.51	0.31
2,2',3,4',5,6'-HxCB	148	—	nd	29.7	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	22	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-1	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	19.8	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	2820	36.1	1128	53.20	0.32
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	19.3	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	458	38.2	183.2	8.64	0.05
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	371	31.2	148.4	7.00	0.04
2,3,3',4,5,5'-HxCB	159	—	82.3	34	32.92	1.55	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	31.5	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	34.8	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	317	34.8	126.8	5.98	0.04
2,3,3',5,5',6-HxCB	165	—	nd	38.7	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	222	30.4	88.8	4.19	0.03
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	28.2	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	1640	41.1	656	30.94	0.19
2,2',3,3',4,4',6-HpCB	171	171 + 173	472	44.5	188.8	8.91	0.05
2,2',3,3',4,5,5'-HpCB	172	—	384	42.4	153.6	7.24	0.04
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1500	40	600	28.30	0.17
2,2',3,3',4,5',6-HpCB	175	—	83.2	38.1	33.28	1.57	0.01
2,2',3,3',4,6,6'-HpCB	176	—	122	27.4	48.8	2.30	0.01
2,2',3,3',4',5,6-HpCB	177	—	809	40.5	323.6	15.26	0.09
2,2',3,3',5,5',6-HpCB	178	—	263	39.6	105.2	4.96	0.03
2,2',3,3',5,6,6'-HpCB	179	—	437	27.9	174.8	8.24	0.05
2,2',3,4,4',5,5'-HpCB	180	180 + 193	3940	34.3	1576	74.34	0.45

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-1	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	41.6	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	39.4	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	935	39	374	17.64	0.11
2,2',3,4,4',6,6'-HpCB	184	—	nd	25.5	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	31.4	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	1860	37.9	744	35.09	0.21
2,2',3,4',5,6,6'-HpCB	188	—	nd	29.7	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	84	17.1	33.6	1.58	0.01
2,3,3',4,4',5,6-HpCB	190	—	388	31.2	155.2	7.32	0.04
2,3,3',4,4',5',6-HpCB	191	—	84.5	30.6	33.8	1.59	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	35.6	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	1390	31.4	556	26.22	0.16
2,2',3,3',4,4',5,6-OcCB	195	—	453	36.1	181.2	8.55	0.05
2,2',3,3',4,4',5,6'-OcCB	196	—	574	44.3	229.6	10.83	0.07
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	200	33.7	80	3.77	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	1380	47.1	552	26.04	0.16
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	139	34.9	55.6	2.62	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	230	41.1	92	4.34	0.03
2,2',3,4,4',5,5',6-OcCB	203	—	877	43.3	350.8	16.55	0.10
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	34.4	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	55.2	21.1	22.08	1.04	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	668	33.6	267.2	12.60	0.08
2,2',3,3',4,4',5,6,6'-NoCB	207	—	103	30.9	41.2	1.94	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	223	31.1	89.2	4.21	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	141	28.3	56.4	2.66	0.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	325	25.6	130	4.79	0.03
2,3-DiCB	5	—	26.3	19.4	10.52	0.39	0.00
2,3'-DiCB	6	—	293	17	117.2	4.32	0.03
2,4-DiCB	7	—	43.5	17.7	17.4	0.64	0.00
2,4'-DiCB	8	—	903	15.8	361.2	13.30	0.08
2,5-DiCB	9	—	92.7	16.5	37.08	1.37	0.01
2,6-DiCB	10	—	nd	17.1	—	—	—
3,3'-DiCB	11	—	5760	19.7	2304	84.87	0.52
3,4-DiCB	12	12 + 13	306	19.7	122.4	4.51	0.03
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	18.2	—	—	—
4,4'-DiCB	15	—	757	17.5	302.8	11.15	0.07
2,2',3-TriCB	16	—	929	8.87	371.6	13.69	0.08
2,2',4-TriCB	17	—	871	23.9	348.4	12.83	0.08
2,2',5-TriCB	18	18 + 30	1890	6.26	756	27.85	0.17
2,2',6-TriCB	19	—	204	8.38	81.6	3.01	0.02
2,3,3'-TriCB	20	20 + 28	3240	7.49	1296	47.74	0.29
2,3,4-TriCB	21	21 + 33	2200	7.37	880	32.41	0.20
2,3,4'-TriCB	22	—	1930	8.34	772	28.44	0.17
2,3,5-TriCB	23	—	nd	7.88	—	—	—
2,3,6-TriCB	24	—	22.3	5.88	8.92	0.33	0.00
2,3',4-TriCB	25	—	255	6.49	102	3.76	0.02
2,3',5-TriCB	26	26 + 29	696	7.52	278.4	10.25	0.06
2,3',6-TriCB	27	—	120	5.2	48	1.77	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	2890	6.91	1156	42.58	0.26
2,4',6-TriCB	32	—	631	6.88	252.4	9.30	0.06
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	14.4	7.32	5.76	0.21	0.00
3,3',4-TriCB	35	—	386	8.8	154.4	5.69	0.03
3,3',5-TriCB	36	—	33.7	7.81	13.48	0.50	0.00
3,4,4'-TriCB	37	—	2370	7.63	948	34.92	0.21
3,4,5-TriCB	38	—	10.9	7.54	4.36	0.16	0.00
3,4',5-TriCB	39	—	52.7	7.83	21.08	0.78	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	3930	11	1572	57.90	0.35
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	1600	11.8	640	23.57	0.14
2,2',3,5-TeCB	43	—	221	12.7	88.4	3.26	0.02
2,2',3,5'-TeCB	44	44 + 47 + 65	5590	10.2	2236	82.36	0.50
2,2',3,6-TeCB	45	45 + 51	873	10.4	349.2	12.86	0.08
2,2',3,6'-TeCB	46	—	380	12.2	152	5.60	0.03
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	1170	11.1	468	17.24	0.10
2,2',4,5'-TeCB	49	49 + 69	2820	9.14	1128	41.55	0.25
2,2',4,6-TeCB	50	50 + 53	629	9.89	251.6	9.27	0.06
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	6410	10.1	2564	94.44	0.58
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	11.9	8.21	4.76	0.18	0.00
2,3,3',4-TeCB	55	—	221	12.7	88.4	3.26	0.02
2,3,3',4'-TeCB	56	—	4560	12.4	1824	67.19	0.41
2,3,3',5-TeCB	57	—	43.4	11.3	17.36	0.64	0.00
2,3,3',5'-TeCB	58	—	nd	11.3	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	562	8.08	224.8	8.28	0.05
2,3,4,4'-TeCB	60	—	2670	12.2	1068	39.34	0.24

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	14600	11.3	5840	215.11	1.31
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	282	10.9	112.8	4.15	0.03
2,3,4',6-TeCB	64	—	2810	8.24	1124	41.40	0.25
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	6590	11.6	2636	97.09	0.59
2,3',4,5-TeCB	67	—	283	10	113.2	4.17	0.03
2,3',4,5'-TeCB	68	—	24.5	10.7	9.8	0.36	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	45.2	10.8	18.08	0.67	0.00
2,3',5',6-TeCB	73	—	nd	8.13	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	1180	10.4	472	17.39	0.11
3,3',4,5-TeCB	78	—	nd	12.7	—	—	—
3,3',4,5'-TeCB	79	—	177	9.73	70.8	2.61	0.02
3,3',5,5'-TeCB	80	—	nd	11	—	—	—
3,4,4',5-TeCB	81	—	63.4	10.2	25.36	0.93	0.01
2,2',3,3',4-PeCB	82	—	1850	24.2	740	27.26	0.17
2,2',3,3',5-PeCB	83	83 + 99	6000	22.4	2400	88.40	0.54
2,2',3,3',6-PeCB	84	—	2670	24.8	1068	39.34	0.24
2,2',3,4,4'-PeCB	85	85 + 116 + 117	2190	18.5	876	32.27	0.20
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	9850	18.9	3940	145.13	0.88
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	1460	21.6	584	21.51	0.13
2,2',3,4,6'-PeCB	89	—	206	22.6	82.4	3.04	0.02
2,2',3,4',5-PeCB	90	90 + 101 + 113	11400	18.6	4560	167.96	1.02

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	2010	21.7	804	29.61	0.18
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	8050	21.1	3220	118.61	0.72
2,2',3,5,6'-PeCB	94	—	59.5	23.5	23.8	0.88	0.01
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	89.5	7.5	35.8	1.32	0.01
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	71.4	18.7	28.56	1.05	0.01
2,2',4,6,6'-PeCB	104	—	nd	9.68	—	—	—
2,3,3',4,4'-PeCB	105	—	5500	20.6	2200	81.04	0.49
2,3,3',4,5-PeCB	106	—	nd	22.7	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	539	23.5	215.6	7.94	0.05
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	881	20.7	352.4	12.98	0.08
2,3,3',4',6-PeCB	110	110 + 115	14000	16.3	5600	206.27	1.26
2,3,3',5,5'-PeCB	111	—	nd	16.2	—	—	—
2,3,3',5,6-PeCB	112	—	nd	16.2	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	330	18.9	132	4.86	0.03
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	10800	18.4	4320	159.12	0.97
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	39.2	15.2	15.68	0.58	0.00

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	16.1	—	—	—
2',3,3',4,5-PeCB	122	—	222	24.8	88.8	3.27	0.02
2',3,4,4',5-PeCB	123	—	203	21	81.2	2.99	0.02
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	160	19.7	64	2.36	0.01
3,3',4,5,5'-PeCB	127	—	28.9	22.5	11.56	0.43	0.00
2,2',3,3',4,4'-HxCB	128	128 + 166	3000	29.1	1200	44.20	0.27
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	22400	29.8	8960	330.03	2.01
2,2',3,3',4,5'-HxCB	130	—	1380	38.4	552	20.33	0.12
2,2',3,3',4,6-HxCB	131	—	208	34.4	83.2	3.06	0.02
2,2',3,3',4,6'-HxCB	132	—	6260	36.7	2504	92.23	0.56
2,2',3,3',5,5'-HxCB	133	—	240	35.1	96	3.54	0.02
2,2',3,3',5,6-HxCB	134	134 + 143	822	37	328.8	12.11	0.07
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	5420	14.7	2168	79.86	0.49
2,2',3,3',6,6'-HxCB	136	—	1780	10.8	712	26.23	0.16
2,2',3,4,4',5-HxCB	137	—	773	34.5	309.2	11.39	0.07
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	268	32	107.2	3.95	0.02
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	4810	34.5	1924	70.87	0.43
2,2',3,4,5,6-HxCB	142	—	nd	37.5	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	745	15	298	10.98	0.07
2,2',3,4,6,6'-HxCB	145	—	nd	12	—	—	—
2,2',3,4',5,5'-HxCB	146	—	3360	47.9	1344	49.51	0.30
2,2',3,4',5,6-HxCB	147	147 + 149	14700	34.6	5880	216.58	1.32
2,2',3,4',5,6'-HxCB	148	—	25.8	15	10.32	0.38	0.00
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	47.5	11.1	19	0.70	0.00

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	19	9.97	7.6	0.28	0.00
2,2',4,4',5,5'-HxCB	153	153 + 168	17100	26.2	6840	251.95	1.53
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	12.9	10.8	5.16	0.19	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	2650	27.1	1060	39.04	0.24
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	2210	22.7	884	32.56	0.20
2,3,3',4,5,5'-HxCB	159	—	379	24.7	151.6	5.58	0.03
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	22.8	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	25.3	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	1680	25.2	672	24.75	0.15
2,3,3',5,5',6-HxCB	165	—	nd	28.1	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	926	21	370.4	13.64	0.08
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	42.8	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	8310	19.4	3324	122.44	0.75
2,2',3,3',4,4',6-HpCB	171	171 + 173	2570	22.1	1028	37.87	0.23
2,2',3,3',4,5,5'-HpCB	172	—	1760	21	704	25.93	0.16
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	8030	19.9	3212	118.31	0.72
2,2',3,3',4,5',6-HpCB	175	—	343	18.9	137.2	5.05	0.03
2,2',3,3',4,6,6'-HpCB	176	—	752	13.6	300.8	11.08	0.07
2,2',3,3',4',5,6-HpCB	177	—	4640	20.1	1856	68.36	0.42
2,2',3,3',5,5',6-HpCB	178	—	1410	19.7	564	20.77	0.13
2,2',3,3',5,6,6'-HpCB	179	—	2380	13.8	952	35.07	0.21
2,2',3,4,4',5,5'-HpCB	180	180 + 193	19000	16	7600	279.94	1.70

Table C-18. PCB Flux Calculations by Congener for Duwamish Station (CER)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-1	**Days**	27.15
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	35.9	20.7	14.36	0.53	0.00
2,2',3,4,4',5,6'-HpCB	182	—	77.3	19.6	30.92	1.14	0.01
2,2',3,4,4',5',6-HpCB	183	183 + 185	5250	19.4	2100	77.35	0.47
2,2',3,4,4',6,6'-HpCB	184	—	16.7	12.7	6.68	0.25	0.00
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	15.6	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	9740	34.5	3896	143.51	0.87
2,2',3,4',5,6,6'-HpCB	188	—	33.8	14	13.52	0.50	0.00
2,3,3',4,4',5,5'-HpCB	189	—	258	11.3	103.2	3.80	0.02
2,3,3',4,4',5,6-HpCB	190	—	1930	15.5	772	28.44	0.17
2,3,3',4,4',5',6-HpCB	191	—	377	15.2	150.8	5.55	0.03
2,3,3',4,5,5',6-HpCB	192	—	nd	17.7	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	4930	22.6	1972	72.64	0.44
2,2',3,3',4,4',5,6-OcCB	195	—	1840	26	736	27.11	0.17
2,2',3,3',4,4',5,6'-OcCB	196	—	2370	21	948	34.92	0.21
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	911	22.4	364.4	13.42	0.08
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	5340	22.4	2136	78.68	0.48
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	553	16.6	221.2	8.15	0.05
2,2',3,3',5,5',6,6'-OcCB	202	—	986	18.6	394.4	14.53	0.09
2,2',3,4,4',5,5',6-OcCB	203	—	3260	20.6	1304	48.03	0.29
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	16.3	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	220	15.6	88	3.24	0.02
2,2',3,3',4,4',5,5',6-NoCB	206	—	2490	26.1	996	36.69	0.22
2,2',3,3',4,4',5,6,6'-NoCB	207	—	375	23.5	150	5.53	0.03
2,2',3,3',4,5,5',6,6'-NoCB	208	—	731	23.2	292.4	10.77	0.07
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	823	19.3	329.2	12.13	0.07

[a] Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	214	1.79	128.4	4.45	0.03
3-MoCB	2	—	83.1	1.99	49.86	1.73	0.01
4-MoCB	3	—	216	1.79	129.6	4.49	0.03
2,2'-DiCB	4	—	1160	6.85	696	24.10	0.15
2,3-DiCB	5	—	79.3	6.11	47.58	1.65	0.01
2,3'-DiCB	6	—	763	5.52	457.8	15.85	0.10
2,4-DiCB	7	—	145	5.68	87	3.01	0.02
2,4'-DiCB	8	—	3350	5.16	2010	69.59	0.42
2,5-DiCB	9	—	221	5.44	132.6	4.59	0.03
2,6-DiCB	10	—	62.7	5.41	37.62	1.30	0.01
3,3'-DiCB	11	—	1330	6.12	798	27.63	0.17
3,4-DiCB	12	12 + 13	433	6.06	259.8	8.99	0.05
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	5.75	—	—	—
4,4'-DiCB	15	—	2460	6.15	1476	51.10	0.31
2,2',3-TriCB	16	—	1820	2.2	1092	37.80	0.23
2,2',4-TriCB	17	—	1570	1.95	942	32.61	0.20
2,2',5-TriCB	18	18 + 30	3280	1.79	1968	68.13	0.41
2,2',6-TriCB	19	—	387	1.79	232.2	8.04	0.05
2,3,3'-TriCB	20	20 + 28	5420	7.37	3252	112.58	0.69
2,3,4-TriCB	21	21 + 33	3740	7.28	2244	77.69	0.47
2,3,4'-TriCB	22	—	2430	8.05	1458	50.48	0.31
2,3,5-TriCB	23	—	8.63	7.78	5.178	0.18	0.00
2,3,6-TriCB	24	—	64.4	1.79	38.64	1.34	0.01
2,3',4-TriCB	25	—	418	6.62	250.8	8.68	0.05
2,3',5-TriCB	26	26 + 29	970	7.53	582	20.15	0.12
2,3',6-TriCB	27	—	247	1.79	148.2	5.13	0.03
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	4540	6.96	2724	94.30	0.57
2,4',6-TriCB	32	—	1050	6.85	630	21.81	0.13
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	16.7	7.61	10.02	0.35	0.00
3,3',4-TriCB	35	—	220	8.25	132	4.57	0.03
3,3',5-TriCB	36	—	nd	7.2	—	—	—
3,4,4'-TriCB	37	—	2350	7.94	1410	48.81	0.30
3,4,5-TriCB	38	—	8.14	7.23	4.884	0.17	0.00
3,4',5-TriCB	39	—	32.1	7.43	19.26	0.67	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	2500	1.79	1500	51.93	0.32
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	1040	1.82	624	21.60	0.13
2,2',3,5-TeCB	43	—	187	2.12	112.2	3.88	0.02
2,2',3,5'-TeCB	44	44 + 47 + 65	3560	1.79	2136	73.95	0.45
2,2',3,6-TeCB	45	45 + 51	743	1.79	445.8	15.43	0.09
2,2',3,6'-TeCB	46	—	289	1.99	173.4	6.00	0.04
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	859	1.79	515.4	17.84	0.11
2,2',4,5'-TeCB	49	49 + 69	1880	1.79	1128	39.05	0.24
2,2',4,6-TeCB	50	50 + 53	506	1.79	303.6	10.51	0.06
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	3530	1.79	2118	73.32	0.45
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	11.1	1.79	6.66	0.23	0.00
2,3,3',4-TeCB	55	—	120	7.37	72	2.49	0.02
2,3,3',4'-TeCB	56	—	1250	7.21	750	25.96	0.16
2,3,3',5-TeCB	57	—	19.7	6.81	11.82	0.41	0.00
2,3,3',5'-TeCB	58	—	nd	6.89	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	383	1.79	229.8	7.96	0.05
2,3,4,4'-TeCB	60	—	748	7.3	448.8	15.54	0.09

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	5780	6.85	3468	120.06	0.73
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	134	6.62	80.4	2.78	0.02
2,3,4',6-TeCB	64	—	1640	1.79	984	34.07	0.21
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	2660	6.8	1596	55.25	0.34
2,3',4,5-TeCB	67	—	148	6.01	88.8	3.07	0.02
2,3',4,5'-TeCB	68	—	12.4	6.74	7.44	0.26	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	19	6.45	11.4	0.39	0.00
2,3',5',6-TeCB	73	—	39.1	1.79	23.46	0.81	0.00
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	461	6.79	276.6	9.58	0.06
3,3',4,5-TeCB	78	—	nd	7.15	—	—	—
3,3',4,5'-TeCB	79	—	45.9	5.78	27.54	0.95	0.01
3,3',5,5'-TeCB	80	—	nd	6.4	—	—	—
3,4,4',5-TeCB	81	—	22.6	6.91	13.56	0.47	0.00
2,2',3,3',4-PeCB	82	—	591	5.3	354.6	12.28	0.07
2,2',3,3',5-PeCB	83	83 + 99	1780	5.06	1068	36.97	0.23
2,2',3,3',6-PeCB	84	—	1170	5.35	702	24.30	0.15
2,2',3,4,4'-PeCB	85	85 + 116 + 117	749	4.26	449.4	15.56	0.09
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	3290	4.3	1974	68.34	0.42
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	543	4.75	325.8	11.28	0.07
2,2',3,4,6'-PeCB	89	—	60.2	5.01	36.12	1.25	0.01
2,2',3,4',5-PeCB	90	90 + 101 + 113	3750	4.27	2250	77.89	0.47

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	676	4.84	405.6	14.04	0.09
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	3240	4.64	1944	67.30	0.41
2,2',3,5,6'-PeCB	94	—	26	5.1	15.6	0.54	0.00
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	40.4	1.79	24.24	0.84	0.01
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	21.6	4.26	12.96	0.45	0.00
2,2',4,6,6'-PeCB	104	—	1.87	1.79	1.122	0.04	0.00
2,3,3',4,4'-PeCB	105	—	2300	8.79	1380	47.77	0.29
2,3,3',4,5-PeCB	106	—	nd	9.03	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	207	9.91	124.2	4.30	0.03
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	316	8.92	189.6	6.56	0.04
2,3,3',4',6-PeCB	110	110 + 115	4960	3.81	2976	103.03	0.63
2,3,3',5,5'-PeCB	111	—	nd	3.78	—	—	—
2,3,3',5,6-PeCB	112	—	nd	3.69	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	111	8.92	66.6	2.31	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	4100	8.97	2460	85.16	0.52
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	12	3.63	7.2	0.25	0.00

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	3.81	—	—	—
2',3,3',4,5-PeCB	122	—	75.7	10.3	45.42	1.57	0.01
2',3,4,4',5-PeCB	123	—	78.5	9.46	47.1	1.63	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	66.6	10.7	39.96	1.38	0.01
3,3',4,5,5'-PeCB	127	—	18.3	9.92	10.98	0.38	0.00
2,2',3,3',4,4'-HxCB	128	128 + 166	1550	13.8	930	32.20	0.20
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	7360	13.9	4416	152.88	0.93
2,2',3,3',4,5'-HxCB	130	—	490	16.8	294	10.18	0.06
2,2',3,3',4,6-HxCB	131	—	78.8	15.4	47.28	1.64	0.01
2,2',3,3',4,6'-HxCB	132	—	2300	16.2	1380	47.77	0.29
2,2',3,3',5,5'-HxCB	133	—	79.2	14.7	47.52	1.65	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	314	15.3	188.4	6.52	0.04
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1590	1.79	954	33.03	0.20
2,2',3,3',6,6'-HxCB	136	—	576	1.79	345.6	11.96	0.07
2,2',3,4,4',5-HxCB	137	—	383	16.2	229.8	7.96	0.05
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	104	14.4	62.4	2.16	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	1240	15	744	25.76	0.16
2,2',3,4,5,6-HxCB	142	—	nd	15.7	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	234	1.79	140.4	4.86	0.03
2,2',3,4,6,6'-HxCB	145	—	3.13	1.79	1.878	0.07	0.00
2,2',3,4',5,5'-HxCB	146	—	916	13.6	549.6	19.03	0.12
2,2',3,4',5,6-HxCB	147	147 + 149	3890	14.1	2334	80.80	0.49
2,2',3,4',5,6'-HxCB	148	—	3.37	1.79	2.022	0.07	0.00
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	9.89	1.79	5.934	0.21	0.00

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	4.6	1.79	2.76	0.10	0.00
2,2',4,4',5,5'-HxCB	153	153 + 168	4520	12.1	2712	93.89	0.57
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	1.89	1.79	1.134	0.04	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	1240	13.8	744	25.76	0.16
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	825	11.3	495	17.14	0.10
2,3,3',4,5,5'-HxCB	159	—	83	11.9	49.8	1.72	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	11.1	—	—	—
2,3,3',4',5,5'-HxCB	162	—	28.3	12.9	16.98	0.59	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	534	11.9	320.4	11.09	0.07
2,3,3',5,5',6-HxCB	165	—	nd	13	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	364	10.2	218.4	7.56	0.05
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	16.6	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	2070	1.79	1242	43.00	0.26
2,2',3,3',4,4',6-HpCB	171	171 + 173	533	1.79	319.8	11.07	0.07
2,2',3,3',4,5,5'-HpCB	172	—	370	1.79	222	7.69	0.05
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1620	1.79	972	33.65	0.20
2,2',3,3',4,5',6-HpCB	175	—	76.4	1.79	45.84	1.59	0.01
2,2',3,3',4,6,6'-HpCB	176	—	165	1.79	99	3.43	0.02
2,2',3,3',4',5,6-HpCB	177	—	874	1.79	524.4	18.15	0.11
2,2',3,3',5,5',6-HpCB	178	—	297	1.79	178.2	6.17	0.04
2,2',3,3',5,6,6'-HpCB	179	—	489	1.79	293.4	10.16	0.06
2,2',3,4,4',5,5'-HpCB	180	180 + 193	4000	1.79	2400	83.09	0.51

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG37749	**Total Volume (mL)**	600
KC Sample ID	L53760-12	**Days**	28.89
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	17.5	1.79	10.5	0.36	0.00
2,2',3,4,4',5,6'-HpCB	182	—	20.9	1.79	12.54	0.43	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	1080	1.79	648	22.43	0.14
2,2',3,4,4',6,6'-HpCB	184	—	3.65	1.79	2.19	0.08	0.00
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.79	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	1830	1.79	1098	38.01	0.23
2,2',3,4',5,6,6'-HpCB	188	—	7.66	1.79	4.596	0.16	0.00
2,3,3',4,4',5,5'-HpCB	189	—	101	2.4	60.6	2.10	0.01
2,3,3',4,4',5,6-HpCB	190	—	409	1.79	245.4	8.50	0.05
2,3,3',4,4',5',6-HpCB	191	—	83.2	1.79	49.92	1.73	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	1.79	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	1360	2.06	816	28.25	0.17
2,2',3,3',4,4',5,6-OcCB	195	—	356	2.22	213.6	7.39	0.05
2,2',3,3',4,4',5,6'-OcCB	196	—	611	1.79	366.6	12.69	0.08
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	161	1.79	96.6	3.34	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	1420	1.79	852	29.50	0.18
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	138	1.79	82.8	2.87	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	230	1.79	138	4.78	0.03
2,2',3,4,4',5,5',6-OcCB	203	—	984	1.79	590.4	20.44	0.12
2,2',3,4,4',5,6,6'-OcCB	204	—	3.13	1.79	1.878	0.07	0.00
2,3,3',4,4',5,5',6-OcCB	205	—	55.2	1.79	33.12	1.15	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	1190	3.7	714	24.72	0.15
2,2',3,3',4,4',5,6,6'-NoCB	207	—	138	3.23	82.8	2.87	0.02
2,2',3,3',4,5,5',6,6'-NoCB	208	—	281	3.22	168.6	5.84	0.04
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	259	1.79	155.4	5.38	0.03

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	18.8	0.485	71.44	8.91	0.05
3-MoCB	2	—	6.22	0.485	23.636	2.95	0.02
4-MoCB	3	—	17.1	0.485	64.98	8.10	0.05
2,2'-DiCB	4	—	86.6	0.858	329.08	41.05	0.25
2,3-DiCB	5	—	5.57	0.663	21.166	2.64	0.02
2,3'-DiCB	6	—	44.7	0.586	169.86	21.19	0.13
2,4-DiCB	7	—	9.12	0.606	34.656	4.32	0.03
2,4'-DiCB	8	—	193	0.542	733.4	91.47	0.56
2,5-DiCB	9	—	13.6	0.585	51.68	6.45	0.04
2,6-DiCB	10	—	3.76	0.579	14.288	1.78	0.01
3,3'-DiCB	11	—	64.3	0.585	244.34	30.48	0.19
3,4-DiCB	12	12 + 13	19.2	0.593	72.96	9.10	0.06
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.578	—	—	—
4,4'-DiCB	15	—	110	0.611	418	52.14	0.32
2,2',3-TriCB	16	—	93.6	0.65	355.68	44.36	0.27
2,2',4-TriCB	17	—	73.3	0.542	278.54	34.74	0.21
2,2',5-TriCB	18	18 + 30	163	0.485	619.4	77.26	0.47
2,2',6-TriCB	19	—	26.3	0.685	99.94	12.47	0.08
2,3,3'-TriCB	20	20 + 28	251	0.485	953.8	118.96	0.72
2,3,4-TriCB	21	21 + 33	175	0.485	665	82.94	0.51
2,3,4'-TriCB	22	—	117	0.485	444.6	55.45	0.34
2,3,5-TriCB	23	—	nd	0.485	—	—	—
2,3,6-TriCB	24	—	2.85	0.485	10.83	1.35	0.01
2,3',4-TriCB	25	—	18	0.485	68.4	8.53	0.05
2,3',5-TriCB	26	26 + 29	45.1	0.485	171.38	21.38	0.13
2,3',6-TriCB	27	—	12.2	0.485	46.36	5.78	0.04
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	218	0.485	828.4	103.32	0.63
2,4',6-TriCB	32	—	48.7	0.485	185.06	23.08	0.14
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	0.92	0.485	3.496	0.44	0.00
3,3',4-TriCB	35	—	8	0.485	30.4	3.79	0.02
3,3',5-TriCB	36	—	nd	0.485	—	—	—
3,4,4'-TriCB	37	—	121	0.485	459.8	57.35	0.35
3,4,5-TriCB	38	—	nd	0.485	—	—	—
3,4',5-TriCB	39	—	1.48	0.485	5.624	0.70	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	144	0.808	547.2	68.25	0.42
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	58.7	0.813	223.06	27.82	0.17
2,2',3,5-TeCB	43	—	8.69	0.988	33.022	4.12	0.03
2,2',3,5'-TeCB	44	44 + 47 + 65	206	0.726	782.8	97.64	0.59
2,2',3,6-TeCB	45	45 + 51	36.3	0.782	137.94	17.20	0.10
2,2',3,6'-TeCB	46	—	14.4	0.893	54.72	6.83	0.04
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	48.7	0.779	185.06	23.08	0.14
2,2',4,5'-TeCB	49	49 + 69	102	0.668	387.6	48.34	0.29
2,2',4,6-TeCB	50	50 + 53	23.9	0.756	90.82	11.33	0.07
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	192	0.711	729.6	91.00	0.55
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.712	—	—	—
2,3,3',4-TeCB	55	—	4.12	0.992	15.656	1.95	0.01
2,3,3',4'-TeCB	56	—	95.7	1.03	363.66	45.36	0.28
2,3,3',5-TeCB	57	—	1.22	0.971	4.636	0.58	0.00
2,3,3',5'-TeCB	58	—	nd	1	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	20.5	0.61	77.9	9.72	0.06
2,3,4,4'-TeCB	60	—	54	1	205.2	25.59	0.16

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	359	0.957	1364.2	170.15	1.04
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	7.48	0.922	28.424	3.55	0.02
2,3,4',6-TeCB	64	—	103	0.616	391.4	48.82	0.30
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	162	0.918	615.6	76.78	0.47
2,3',4,5-TeCB	67	—	7.89	0.873	29.982	3.74	0.02
2,3',4,5'-TeCB	68	—	nd	0.925	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	1.1	0.928	4.18	0.52	0.00
2,3',5',6-TeCB	73	—	nd	0.58	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	31.4	0.894	119.32	14.88	0.09
3,3',4,5-TeCB	78	—	nd	0.94	—	—	—
3,3',4,5'-TeCB	79	—	3.39	0.799	12.882	1.61	0.01
3,3',5,5'-TeCB	80	—	nd	0.882	—	—	—
3,4,4',5-TeCB	81	—	1.08	0.936	4.104	0.51	0.00
2,2',3,3',4-PeCB	82	—	46.7	0.924	177.46	22.13	0.13
2,2',3,3',5-PeCB	83	83 + 99	129	0.856	490.2	61.14	0.37
2,2',3,3',6-PeCB	84	—	71.2	1.01	270.56	33.75	0.21
2,2',3,4,4'-PeCB	85	85 + 116 + 117	57.8	0.716	219.64	27.40	0.17
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	220	0.762	836	104.27	0.64
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	29.9	0.886	113.62	14.17	0.09
2,2',3,4,6'-PeCB	89	—	3.52	0.92	13.376	1.67	0.01
2,2',3,4',5-PeCB	90	90 + 101 + 113	258	0.786	980.4	122.28	0.74

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	44.6	0.884	169.48	21.14	0.13
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	185	0.874	703	87.68	0.53
2,2',3,5,6'-PeCB	94	—	1.02	0.974	3.876	0.48	0.00
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	1.2	0.719	4.56	0.57	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	1.61	0.79	6.118	0.76	0.00
2,2',4,6,6'-PeCB	104	—	nd	0.741	—	—	—
2,3,3',4,4'-PeCB	105	—	192	1.14	729.6	91.00	0.55
2,3,3',4,5-PeCB	106	—	nd	1.12	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	16.2	1.21	61.56	7.68	0.05
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	25.6	1.07	97.28	12.13	0.07
2,3,3',4',6-PeCB	110	110 + 115	380	0.656	1444	180.11	1.10
2,3,3',5,5'-PeCB	111	—	nd	0.655	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.679	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	9.79	1.11	37.202	4.64	0.03
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	381	1.13	1447.8	180.58	1.10
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.598	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.683	—	—	—
2',3,3',4,5-PeCB	122	—	5.56	1.24	21.128	2.64	0.02
2',3,4,4',5-PeCB	123	—	5.98	1.17	22.724	2.83	0.02
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	2.73	1.23	10.374	1.29	0.01
3,3',4,5,5'-PeCB	127	—	nd	1.12	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	97.7	1.33	371.26	46.31	0.28
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	503	1.36	1911.4	238.40	1.45
2,2',3,3',4,5'-HxCB	130	—	31.6	1.64	120.08	14.98	0.09
2,2',3,3',4,6-HxCB	131	—	6.91	1.58	26.258	3.28	0.02
2,2',3,3',4,6'-HxCB	132	—	143	1.62	543.4	67.78	0.41
2,2',3,3',5,5'-HxCB	133	—	5.69	1.55	21.622	2.70	0.02
2,2',3,3',5,6-HxCB	134	134 + 143	21.1	1.6	80.18	10.00	0.06
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	78.8	1.1	299.44	37.35	0.23
2,2',3,3',6,6'-HxCB	136	—	28.4	0.923	107.92	13.46	0.08
2,2',3,4,4',5-HxCB	137	—	30.7	1.55	116.66	14.55	0.09
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	8.04	1.44	30.552	3.81	0.02
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	86.8	1.57	329.84	41.14	0.25
2,2',3,4,5,6-HxCB	142	—	nd	1.54	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	14.6	1.11	55.48	6.92	0.04
2,2',3,4,6,6'-HxCB	145	—	nd	0.986	—	—	—
2,2',3,4',5,5'-HxCB	146	—	53.6	1.38	203.68	25.40	0.15
2,2',3,4',5,6-HxCB	147	147 + 149	239	1.45	908.2	113.28	0.69
2,2',3,4',5,6'-HxCB	148	—	nd	1.14	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.949	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.899	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	329	1.24	1250.2	155.93	0.95
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	0.819	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	78.9	1.28	299.82	37.40	0.23
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	56	1.09	212.8	26.54	0.16
2,3,3',4,5,5'-HxCB	159	—	3.41	1.12	12.958	1.62	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.17	—	—	—
2,3,3',4',5,5'-HxCB	162	—	1.76	1.14	6.688	0.83	0.01
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	35.9	1.19	136.42	17.02	0.10
2,3,3',5,5',6-HxCB	165	—	nd	1.3	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	22.5	1.07	85.5	10.66	0.06
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.06	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	83	0.973	315.4	39.34	0.24
2,2',3,3',4,4',6-HpCB	171	171 + 173	24.2	0.944	91.96	11.47	0.07
2,2',3,3',4,5,5'-HpCB	172	—	14.3	0.93	54.34	6.78	0.04
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	73.8	0.894	280.44	34.98	0.21
2,2',3,3',4,5',6-HpCB	175	—	3.06	0.871	11.628	1.45	0.01
2,2',3,3',4,6,6'-HpCB	176	—	8.74	0.725	33.212	4.14	0.03
2,2',3,3',4',5,6-HpCB	177	—	40.4	0.943	153.52	19.15	0.12
2,2',3,3',5,5',6-HpCB	178	—	15.4	0.931	58.52	7.30	0.04
2,2',3,3',5,6,6'-HpCB	179	—	26	0.693	98.8	12.32	0.08
2,2',3,4,4',5,5'-HpCB	180	180 + 193	176	0.79	668.8	83.42	0.51

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	3800
KC Sample ID	L54175-10	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	0.917	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	0.894	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	55.4	0.908	210.52	26.26	0.16
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.704	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.77	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	91.6	0.877	348.08	43.42	0.26
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.666	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	4.09	0.688	15.542	1.94	0.01
2,3,3',4,4',5,6-HpCB	190	—	16	0.718	60.8	7.58	0.05
2,3,3',4,4',5',6-HpCB	191	—	3.3	0.689	12.54	1.56	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	0.759	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	43.1	0.623	163.78	20.43	0.12
2,2',3,3',4,4',5,6-OcCB	195	—	14	0.671	53.2	6.64	0.04
2,2',3,3',4,4',5,6'-OcCB	196	—	26.1	0.777	99.18	12.37	0.08
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	6.94	0.561	26.372	3.29	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	63.8	0.77	242.44	30.24	0.18
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	6.66	0.564	25.308	3.16	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	13.5	0.626	51.3	6.40	0.04
2,2',3,4,4',5,5',6-OcCB	203	—	42.2	0.754	160.36	20.00	0.12
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.57	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	2.32	0.549	8.816	1.10	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	38.4	2.93	145.92	18.20	0.11
2,2',3,3',4,4',5,6,6'-NoCB	207	—	5.49	2.29	20.862	2.60	0.02
2,2',3,3',4,5,5',6,6'-NoCB	208	—	11.5	2.27	43.7	5.45	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	9.2	0.951	34.96	4.36	0.03

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	14.1	0.487	27.495	1.38	0.04
3-MoCB	2	—	5.94	0.487	11.583	0.58	0.02
4-MoCB	3	—	17.4	0.487	33.93	1.70	0.05
2,2'-DiCB	4	—	49.4	1.01	96.33	4.84	0.13
2,3-DiCB	5	—	3.04	0.663	5.928	0.30	0.01
2,3'-DiCB	6	—	24.8	0.6	48.36	2.43	0.07
2,4-DiCB	7	—	5.73	0.613	11.1735	0.56	0.02
2,4'-DiCB	8	—	104	0.556	202.8	10.19	0.28
2,5-DiCB	9	—	6.93	0.602	13.5135	0.68	0.02
2,6-DiCB	10	—	1.93	0.624	3.7635	0.19	0.01
3,3'-DiCB	11	—	69.4	0.646	135.33	6.80	0.19
3,4-DiCB	12	12 + 13	13	0.642	25.35	1.27	0.03
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.613	—	—	—
4,4'-DiCB	15	—	63.1	0.63	123.045	6.18	0.17
2,2',3-TriCB	16	—	52.6	0.611	102.57	5.15	0.14
2,2',4-TriCB	17	—	41.4	0.527	80.73	4.06	0.11
2,2',5-TriCB	18	18 + 30	83.9	0.487	163.605	8.22	0.22
2,2',6-TriCB	19	—	12.8	0.586	24.96	1.25	0.03
2,3,3'-TriCB	20	20 + 28	131	0.487	255.45	12.83	0.35
2,3,4-TriCB	21	21 + 33	83.1	0.487	162.045	8.14	0.22
2,3,4'-TriCB	22	—	57.4	0.487	111.93	5.62	0.15
2,3,5-TriCB	23	—	0.531	0.487	1.03545	0.05	0.00
2,3,6-TriCB	24	—	2.38	0.487	4.641	0.23	0.01
2,3',4-TriCB	25	—	9.94	0.487	19.383	0.97	0.03
2,3',5-TriCB	26	26 + 29	23.5	0.487	45.825	2.30	0.06
2,3',6-TriCB	27	—	7.26	0.487	14.157	0.71	0.02
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	112	0.487	218.4	10.97	0.30
2,4',6-TriCB	32	—	25.3	0.487	49.335	2.48	0.07
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	0.915	0.487	1.78425	0.09	0.00
3,3',4-TriCB	35	—	5.04	0.487	9.828	0.49	0.01
3,3',5-TriCB	36	—	nd	0.487	—	—	—
3,4,4'-TriCB	37	—	58.7	0.487	114.465	5.75	0.16
3,4,5-TriCB	38	—	nd	0.487	—	—	—
3,4',5-TriCB	39	—	nd	0.487	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	70.6	0.754	137.67	6.92	0.19
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	28.5	0.749	55.575	2.79	0.08
2,2',3,5-TeCB	43	—	3.59	0.881	7.0005	0.35	0.01
2,2',3,5'-TeCB	44	44 + 47 + 65	117	0.696	228.15	11.46	0.31
2,2',3,6-TeCB	45	45 + 51	20	0.757	39	1.96	0.05
2,2',3,6'-TeCB	46	—	6.76	0.88	13.182	0.66	0.02
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	23.7	0.747	46.215	2.32	0.06
2,2',4,5'-TeCB	49	49 + 69	60.9	0.648	118.755	5.97	0.16
2,2',4,6-TeCB	50	50 + 53	14.2	0.746	27.69	1.39	0.04
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	136	0.714	265.2	13.32	0.36
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	0.745	0.589	1.45275	0.07	0.00
2,3,3',4-TeCB	55	—	nd	0.735	—	—	—
2,3,3',4'-TeCB	56	—	48.5	0.775	94.575	4.75	0.13
2,3,3',5-TeCB	57	—	nd	0.699	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.741	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	10.7	0.577	20.865	1.05	0.03
2,3,4,4'-TeCB	60	—	24.5	0.724	47.775	2.40	0.07

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	196	0.715	382.2	19.20	0.52
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	3.55	0.68	6.9225	0.35	0.01
2,3,4',6-TeCB	64	—	49.4	0.553	96.33	4.84	0.13
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	83.9	0.708	163.605	8.22	0.22
2,3',4,5-TeCB	67	—	3.75	0.642	7.3125	0.37	0.01
2,3',4,5'-TeCB	68	—	0.815	0.685	1.58925	0.08	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.677	—	—	—
2,3',5',6-TeCB	73	—	nd	0.59	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	17.7	0.726	34.515	1.73	0.05
3,3',4,5-TeCB	78	—	nd	0.695	—	—	—
3,3',4,5'-TeCB	79	—	2.38	0.607	4.641	0.23	0.01
3,3',5,5'-TeCB	80	—	nd	0.669	—	—	—
3,4,4',5-TeCB	81	—	1.11	0.768	2.1645	0.11	0.00
2,2',3,3',4-PeCB	82	—	35.8	1.15	69.81	3.51	0.10
2,2',3,3',5-PeCB	83	83 + 99	113	1.11	220.35	11.07	0.30
2,2',3,3',6-PeCB	84	—	55.9	1.2	109.005	5.48	0.15
2,2',3,4,4'-PeCB	85	85 + 116 + 117	44.2	0.895	86.19	4.33	0.12
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	191	0.939	372.45	18.71	0.51
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	25.6	1.04	49.92	2.51	0.07
2,2',3,4,6'-PeCB	89	—	2.2	1.12	4.29	0.22	0.01
2,2',3,4',5-PeCB	90	90 + 101 + 113	222	0.989	432.9	21.75	0.59

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	36.8	1.08	71.76	3.60	0.10
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	151	1.01	294.45	14.79	0.40
2,2',3,5,6'-PeCB	94	—	nd	1.12	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	1.61	0.799	3.1395	0.16	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	0.918	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	0.601	—	—	—
2,3,3',4,4'-PeCB	105	—	143	1.39	278.85	14.01	0.38
2,3,3',4,5-PeCB	106	—	nd	1.27	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	11.2	1.42	21.84	1.10	0.03
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	18	1.26	35.1	1.76	0.05
2,3,3',4',6-PeCB	110	110 + 115	311	0.808	606.45	30.47	0.83
2,3,3',5,5'-PeCB	111	—	nd	0.824	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.814	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	6.69	1.35	13.0455	0.66	0.02
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	287	1.38	559.65	28.11	0.77
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.771	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.846	—	—	—
2',3,3',4,5-PeCB	122	—	3.32	1.46	6.474	0.33	0.01
2',3,4,4',5-PeCB	123	—	4.27	1.46	8.3265	0.42	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	2.82	1.52	5.499	0.28	0.01
3,3',4,5,5'-PeCB	127	—	nd	1.31	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	77.8	1.12	151.71	7.62	0.21
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	387	1.09	754.65	37.91	1.04
2,2',3,3',4,5'-HxCB	130	—	24	1.33	46.8	2.35	0.06
2,2',3,3',4,6-HxCB	131	—	4.26	1.35	8.307	0.42	0.01
2,2',3,3',4,6'-HxCB	132	—	111	1.38	216.45	10.87	0.30
2,2',3,3',5,5'-HxCB	133	—	3.78	1.25	7.371	0.37	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	13.3	1.33	25.935	1.30	0.04
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	82.1	1.04	160.095	8.04	0.22
2,2',3,3',6,6'-HxCB	136	—	29.1	0.858	56.745	2.85	0.08
2,2',3,4,4',5-HxCB	137	—	21.9	1.22	42.705	2.15	0.06
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	4.96	1.21	9.672	0.49	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	57.9	1.16	112.905	5.67	0.15
2,2',3,4,5,6-HxCB	142	—	nd	1.34	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	12.6	1.02	24.57	1.23	0.03
2,2',3,4,6,6'-HxCB	145	—	nd	0.915	—	—	—
2,2',3,4',5,5'-HxCB	146	—	39.8	1.12	77.61	3.90	0.11
2,2',3,4',5,6-HxCB	147	147 + 149	188	1.22	366.6	18.42	0.50
2,2',3,4',5,6'-HxCB	148	—	nd	1.08	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.866	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.826	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	235	0.994	458.25	23.02	0.63
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	0.618	0.554	1.2051	0.06	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	69.7	1.18	135.915	6.83	0.19
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	42.9	0.884	83.655	4.20	0.11
2,3,3',4,5,5'-HxCB	159	—	3.12	0.962	6.084	0.31	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	0.92	—	—	—
2,3,3',4',5,5'-HxCB	162	—	1.73	0.989	3.3735	0.17	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	25	0.969	48.75	2.45	0.07
2,3,3',5,5',6-HxCB	165	—	nd	1.06	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	21	0.949	40.95	2.06	0.06
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.02	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	76.4	0.626	148.98	7.48	0.20
2,2',3,3',4,4',6-HpCB	171	171 + 173	28.1	0.76	54.795	2.75	0.08
2,2',3,3',4,5,5'-HpCB	172	—	16	0.753	31.2	1.57	0.04
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	83.4	0.731	162.63	8.17	0.22
2,2',3,3',4,5',6-HpCB	175	—	3.12	0.683	6.084	0.31	0.01
2,2',3,3',4,6,6'-HpCB	176	—	7.81	0.529	15.2295	0.77	0.02
2,2',3,3',4',5,6-HpCB	177	—	46.7	0.76	91.065	4.57	0.12
2,2',3,3',5,5',6-HpCB	178	—	13.9	0.697	27.105	1.36	0.04
2,2',3,3',5,6,6'-HpCB	179	—	23.9	0.515	46.605	2.34	0.06
2,2',3,4,4',5,5'-HpCB	180	180 + 193	157	0.514	306.15	15.38	0.42

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG38263	**Total Volume (mL)**	1950
KC Sample ID	L54294-8	**Days**	19.91
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	1.6	0.738	3.12	0.16	0.00
2,2',3,4,4',5,6'-HpCB	182	—	0.878	0.702	1.7121	0.09	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	56.6	0.694	110.37	5.54	0.15
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.513	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.556	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	93.8	0.669	182.91	9.19	0.25
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.487	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	4.84	0.504	9.438	0.47	0.01
2,3,3',4,4',5,6-HpCB	190	—	16.6	0.55	32.37	1.63	0.04
2,3,3',4,4',5',6-HpCB	191	—	3.45	0.585	6.7275	0.34	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	0.623	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	36.9	0.514	71.955	3.61	0.10
2,2',3,3',4,4',5,6-OcCB	195	—	11	0.53	21.45	1.08	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	24.9	0.668	48.555	2.44	0.07
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	8.64	0.543	16.848	0.85	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	64.1	0.722	124.995	6.28	0.17
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	7.58	0.544	14.781	0.74	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	11	0.49	21.45	1.08	0.03
2,2',3,4,4',5,5',6-OcCB	203	—	38.8	0.65	75.66	3.80	0.10
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.552	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	2.36	0.537	4.602	0.23	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	41.7	2.33	81.315	4.08	0.11
2,2',3,3',4,4',5,6,6'-NoCB	207	—	4.18	1.79	8.151	0.41	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	10.7	1.9	20.865	1.05	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	10.6	0.633	20.67	1.04	0.03

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	11.9	0.93	17.85	0.62	0.02
3-MoCB	2	—	8.79	1.02	13.185	0.46	0.01
4-MoCB	3	—	22.8	0.982	34.2	1.18	0.03
2,2'-DiCB	4	—	18.6	3.49	27.9	0.96	0.03
2,3-DiCB	5	—	nd	2.34	—	—	—
2,3'-DiCB	6	—	9.32	2.05	13.98	0.48	0.01
2,4-DiCB	7	—	5.61	2.1	8.415	0.29	0.01
2,4'-DiCB	8	—	42.2	1.87	63.3	2.19	0.06
2,5-DiCB	9	—	3.35	2.04	5.025	0.17	0.00
2,6-DiCB	10	—	nd	2.03	—	—	—
3,3'-DiCB	11	—	82.9	2.23	124.35	4.30	0.12
3,4-DiCB	12	12 + 13	6.44	2.29	9.66	0.33	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.13	—	—	—
4,4'-DiCB	15	—	27.6	2.17	41.4	1.43	0.04
2,2',3-TriCB	16	—	22.2	1.64	33.3	1.15	0.03
2,2',4-TriCB	17	—	17.4	1.47	26.1	0.90	0.02
2,2',5-TriCB	18	18 + 30	43	1.2	64.5	2.23	0.06
2,2',6-TriCB	19	—	5.54	1.65	8.31	0.29	0.01
2,3,3'-TriCB	20	20 + 28	68	1.39	102	3.53	0.10
2,3,4-TriCB	21	21 + 33	47.8	1.34	71.7	2.48	0.07
2,3,4'-TriCB	22	—	32	1.56	48	1.66	0.05
2,3,5-TriCB	23	—	nd	1.38	—	—	—
2,3,6-TriCB	24	—	nd	1.04	—	—	—
2,3',4-TriCB	25	—	4.91	1.19	7.365	0.25	0.01
2,3',5-TriCB	26	26 + 29	11.7	1.36	17.55	0.61	0.02
2,3',6-TriCB	27	—	3.19	1.04	4.785	0.17	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	60.7	1.29	91.05	3.15	0.09
2,4',6-TriCB	32	—	12.8	1.27	19.2	0.66	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.37	—	—	—
3,3',4-TriCB	35	—	3.76	1.46	5.64	0.19	0.01
3,3',5-TriCB	36	—	nd	1.41	—	—	—
3,4,4'-TriCB	37	—	31.6	1.31	47.4	1.64	0.04
3,4,5-TriCB	38	—	nd	1.46	—	—	—
3,4',5-TriCB	39	—	nd	1.44	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	36.4	1.73	54.6	1.89	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	13.2	1.7	19.8	0.68	0.02
2,2',3,5-TeCB	43	—	nd	2.22	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	70.5	1.58	105.75	3.66	0.10
2,2',3,6-TeCB	45	45 + 51	10.8	1.65	16.2	0.56	0.02
2,2',3,6'-TeCB	46	—	3.53	1.96	5.295	0.18	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	10.9	1.74	16.35	0.57	0.02
2,2',4,5'-TeCB	49	49 + 69	34.9	1.48	52.35	1.81	0.05
2,2',4,6-TeCB	50	50 + 53	6.89	1.59	10.335	0.36	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	124	1.85	186	6.43	0.18
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.37	—	—	—
2,3,3',4-TeCB	55	—	3.21	1.93	4.815	0.17	0.00
2,3,3',4'-TeCB	56	—	39.3	1.94	58.95	2.04	0.06
2,3,3',5-TeCB	57	—	nd	1.71	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.73	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	4.9	1.29	7.35	0.25	0.01
2,3,4,4'-TeCB	60	—	23.9	1.93	35.85	1.24	0.03

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	213	1.73	319.5	11.04	0.30
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	2.86	1.74	4.29	0.15	0.00
2,3,4',6-TeCB	64	—	30.1	1.21	45.15	1.56	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	80.6	1.71	120.9	4.18	0.11
2,3',4,5-TeCB	67	—	nd	1.62	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.79	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.71	—	—	—
2,3',5',6-TeCB	73	—	nd	1.38	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	12.1	1.27	18.15	0.63	0.02
3,3',4,5-TeCB	78	—	nd	1.68	—	—	—
3,3',4,5'-TeCB	79	—	2.59	1.45	3.885	0.13	0.00
3,3',5,5'-TeCB	80	—	nd	1.65	—	—	—
3,4,4',5-TeCB	81	—	nd	1.48	—	—	—
2,2',3,3',4-PeCB	82	—	34.9	1.96	52.35	1.81	0.05
2,2',3,3',5-PeCB	83	83 + 99	122	1.95	183	6.33	0.17
2,2',3,3',6-PeCB	84	—	61.2	2.34	91.8	3.17	0.09
2,2',3,4,4'-PeCB	85	85 + 116 + 117	43.3	1.46	64.95	2.25	0.06
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	202	1.57	303	10.47	0.29
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	27	1.97	40.5	1.40	0.04
2,2',3,4,6'-PeCB	89	—	nd	2.16	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	242	1.7	363	12.55	0.34

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	42.7	1.99	64.05	2.21	0.06
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	164	1.89	246	8.50	0.23
2,2',3,5,6'-PeCB	94	—	nd	2.15	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.38	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.77	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.69	—	—	—
2,3,3',4,4'-PeCB	105	—	117	1.9	175.5	6.07	0.17
2,3,3',4,5-PeCB	106	—	nd	1.96	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	14.2	2.17	21.3	0.74	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	19.9	2.07	29.85	1.03	0.03
2,3,3',4',6-PeCB	110	110 + 115	316	1.31	474	16.38	0.45
2,3,3',5,5'-PeCB	111	—	nd	1.33	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.33	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	7.03	2.04	10.545	0.36	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	271	1.82	406.5	14.05	0.38
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.23	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.52	—	—	—
2',3,3',4,5-PeCB	122	—	4.02	2.35	6.03	0.21	0.01
2',3,4,4',5-PeCB	123	—	4.02	2	6.03	0.21	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	2.41	1.88	3.615	0.12	0.00
3,3',4,5,5'-PeCB	127	—	nd	2.21	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	63.9	7.74	95.85	3.31	0.09
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	337	3.03	505.5	17.47	0.48
2,2',3,3',4,5'-HxCB	130	—	21.3	3.75	31.95	1.10	0.03
2,2',3,3',4,6-HxCB	131	—	4.68	3.45	7.02	0.24	0.01
2,2',3,3',4,6'-HxCB	132	—	109	3.78	163.5	5.65	0.15
2,2',3,3',5,5'-HxCB	133	—	4.77	3.54	7.155	0.25	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	14.8	3.62	22.2	0.77	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	71.8	1.75	107.7	3.72	0.10
2,2',3,3',6,6'-HxCB	136	—	24	1.43	36	1.24	0.03
2,2',3,4,4',5-HxCB	137	—	21	3.52	31.5	1.09	0.03
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	6.51	3.28	9.765	0.34	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	59.1	3.4	88.65	3.06	0.08
2,2',3,4,5,6-HxCB	142	—	nd	3.54	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	11.7	1.75	17.55	0.61	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	1.5	—	—	—
2,2',3,4',5,5'-HxCB	146	—	43.4	3.2	65.1	2.25	0.06
2,2',3,4',5,6-HxCB	147	147 + 149	205	3.15	307.5	10.63	0.29
2,2',3,4',5,6'-HxCB	148	—	nd	1.81	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.47	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.42	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	236	2.73	354	12.24	0.33
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.45	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	38.9	2.71	58.35	2.02	0.06
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	37	2.33	55.5	1.92	0.05
2,3,3',4,5,5'-HxCB	159	—	nd	2.54	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.43	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.66	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	19.9	2.53	29.85	1.03	0.03
2,3,3',5,5',6-HxCB	165	—	nd	2.9	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	13.4	1.92	20.1	0.69	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	2.01	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	49.9	2.15	74.85	2.59	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	22.5	2.48	33.75	1.17	0.03
2,2',3,3',4,5,5'-HpCB	172	—	13.3	2.54	19.95	0.69	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	70.2	2.32	105.3	3.64	0.10
2,2',3,3',4,5',6-HpCB	175	—	3.92	2.24	5.88	0.20	0.01
2,2',3,3',4,6,6'-HpCB	176	—	7.68	1.72	11.52	0.40	0.01
2,2',3,3',4',5,6-HpCB	177	—	37.1	2.39	55.65	1.92	0.05
2,2',3,3',5,5',6-HpCB	178	—	14.4	2.38	21.6	0.75	0.02
2,2',3,3',5,6,6'-HpCB	179	—	25.2	1.64	37.8	1.31	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	131	1.82	196.5	6.79	0.19

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	1500
KC Sample ID	L54719-8	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.34	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.18	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	49.7	2.25	74.55	2.58	0.07
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.65	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.81	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	101	6.9	151.5	5.24	0.14
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.56	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	2.27	1.84	3.405	0.12	0.00
2,3,3',4,4',5,6-HpCB	190	—	11.7	1.78	17.55	0.61	0.02
2,3,3',4,4',5',6-HpCB	191	—	2.49	1.77	3.735	0.13	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	1.95	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	32.3	2.69	48.45	1.67	0.05
2,2',3,3',4,4',5,6-OcCB	195	—	10.5	2.76	15.75	0.54	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	18.4	2.17	27.6	0.95	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	6.15	1.56	9.225	0.32	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	51	6.76	76.5	2.64	0.07
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	7.22	1.63	10.83	0.37	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	11.4	1.69	17.1	0.59	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	26.6	2.01	39.9	1.38	0.04
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.53	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.92	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	17.7	3.78	26.55	0.92	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.34	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	5.46	3.47	8.19	0.28	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	6.57	2.3	9.855	0.34	0.01

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	12	1.27	31.8	2.27	0.06
3-MoCB	2	—	6.46	1.28	17.119	1.22	0.03
4-MoCB	3	—	17.6	1.15	46.64	3.33	0.09
2,2'-DiCB	4	—	34.3	4.43	90.895	6.48	0.18
2,3-DiCB	5	—	nd	2.97	—	—	—
2,3'-DiCB	6	—	16.7	2.63	44.255	3.16	0.09
2,4-DiCB	7	—	6.36	2.67	16.854	1.20	0.03
2,4'-DiCB	8	—	67.4	7.2	178.61	12.74	0.35
2,5-DiCB	9	—	5.11	2.63	13.5415	0.97	0.03
2,6-DiCB	10	—	nd	2.63	—	—	—
3,3'-DiCB	11	—	73.5	2.86	194.775	13.89	0.38
3,4-DiCB	12	12 + 13	10.4	2.93	27.56	1.97	0.05
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.75	—	—	—
4,4'-DiCB	15	—	41.3	2.68	109.445	7.81	0.21
2,2',3-TriCB	16	—	45.3	2.15	120.045	8.56	0.23
2,2',4-TriCB	17	—	36.2	1.88	95.93	6.84	0.19
2,2',5-TriCB	18	18 + 30	72.5	5.32	192.125	13.70	0.37
2,2',6-TriCB	19	—	11	1.96	29.15	2.08	0.06
2,3,3'-TriCB	20	20 + 28	128	1.69	339.2	24.19	0.66
2,3,4-TriCB	21	21 + 33	91.2	1.6	241.68	17.24	0.47
2,3,4'-TriCB	22	—	64.5	1.91	170.925	12.19	0.33
2,3,5-TriCB	23	—	nd	1.67	—	—	—
2,3,6-TriCB	24	—	nd	1.32	—	—	—
2,3',4-TriCB	25	—	8.69	1.41	23.0285	1.64	0.04
2,3',5-TriCB	26	26 + 29	22.4	1.64	59.36	4.23	0.12
2,3',6-TriCB	27	—	5.63	1.32	14.9195	1.06	0.03
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	111	1.54	294.15	20.98	0.57
2,4',6-TriCB	32	—	24.2	1.46	64.13	4.57	0.12
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.6	—	—	—
3,3',4-TriCB	35	—	2.45	1.57	6.4925	0.46	0.01
3,3',5-TriCB	36	—	nd	1.55	—	—	—
3,4,4'-TriCB	37	—	43.9	1.43	116.335	8.30	0.23
3,4,5-TriCB	38	—	nd	1.55	—	—	—
3,4',5-TriCB	39	—	nd	1.56	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	69.5	1.94	184.175	13.14	0.36
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	25.1	1.99	66.515	4.74	0.13
2,2',3,5-TeCB	43	—	nd	2.53	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	98.9	1.82	262.085	18.69	0.51
2,2',3,6-TeCB	45	45 + 51	20.5	2.11	54.325	3.87	0.11
2,2',3,6'-TeCB	46	—	9.58	2.53	25.387	1.81	0.05
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	25.5	2.06	67.575	4.82	0.13
2,2',4,5'-TeCB	49	49 + 69	51.6	1.7	136.74	9.75	0.27
2,2',4,6-TeCB	50	50 + 53	12.8	1.99	33.92	2.42	0.07
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	99.6	1.99	263.94	18.82	0.51
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.33	—	—	—
2,3,3',4-TeCB	55	—	3.27	2.16	8.6655	0.62	0.02
2,3,3',4'-TeCB	56	—	43.9	2.16	116.335	8.30	0.23
2,3,3',5-TeCB	57	—	nd	2.15	—	—	—
2,3,3',5'-TeCB	58	—	nd	2.16	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	9.38	1.46	24.857	1.77	0.05
2,3,4,4'-TeCB	60	—	25.9	2.07	68.635	4.90	0.13

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	146	2.14	386.9	27.59	0.75
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	3.09	2.05	8.1885	0.58	0.02
2,3,4',6-TeCB	64	—	44	1.34	116.6	8.32	0.23
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	65.2	1.96	172.78	12.32	0.34
2,3',4,5-TeCB	67	—	3.06	1.96	8.109	0.58	0.02
2,3',4,5'-TeCB	68	—	nd	2.11	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	2.05	—	—	—
2,3',5',6-TeCB	73	—	nd	3.31	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	17.3	1.86	45.845	3.27	0.09
3,3',4,5-TeCB	78	—	nd	2.1	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.75	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.81	—	—	—
3,4,4',5-TeCB	81	—	nd	2.18	—	—	—
2,2',3,3',4-PeCB	82	—	20.2	2.87	53.53	3.82	0.10
2,2',3,3',5-PeCB	83	83 + 99	51.3	2.47	135.945	9.70	0.26
2,2',3,3',6-PeCB	84	—	26.4	2.97	69.96	4.99	0.14
2,2',3,4,4'-PeCB	85	85 + 116 + 117	21.2	2.1	56.18	4.01	0.11
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	89.3	2.11	236.645	16.88	0.46
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	11.1	2.6	29.415	2.10	0.06
2,2',3,4,6'-PeCB	89	—	nd	2.62	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	94.6	2.09	250.69	17.88	0.49

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	16.1	2.39	42.665	3.04	0.08
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	75.6	2.58	200.34	14.29	0.39
2,2',3,5,6'-PeCB	94	—	nd	2.87	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.72	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.34	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.75	—	—	—
2,3,3',4,4'-PeCB	105	—	61.9	1.77	164.035	11.70	0.32
2,3,3',4,5-PeCB	106	—	nd	1.96	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	5.62	2.23	14.893	1.06	0.03
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	8.86	2.09	23.479	1.67	0.05
2,3,3',4',6-PeCB	110	110 + 115	143	1.87	378.95	27.03	0.74
2,3,3',5,5'-PeCB	111	—	nd	1.93	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.7	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	3.7	1.99	9.805	0.70	0.02
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	123	1.91	325.95	23.25	0.64
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.79	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.82	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.31	—	—	—
2',3,4,4',5-PeCB	123	—	2.51	2.18	6.6515	0.47	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.97	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.05	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	32.4	10.5	85.86	6.12	0.17
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	192	2.35	508.8	36.29	0.99
2,2',3,3',4,5'-HxCB	130	—	10.5	3.02	27.825	1.98	0.05
2,2',3,3',4,6-HxCB	131	—	nd	3.03	—	—	—
2,2',3,3',4,6'-HxCB	132	—	57.7	3.18	152.905	10.91	0.30
2,2',3,3',5,5'-HxCB	133	—	nd	2.92	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	6.47	2.99	17.1455	1.22	0.03
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	39.4	2.64	104.41	7.45	0.20
2,2',3,3',6,6'-HxCB	136	—	13.9	1.87	36.835	2.63	0.07
2,2',3,4,4',5-HxCB	137	—	8.16	2.66	21.624	1.54	0.04
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.78	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	33.5	2.62	88.775	6.33	0.17
2,2',3,4,5,6-HxCB	142	—	nd	3.04	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	6.58	2.66	17.437	1.24	0.03
2,2',3,4,6,6'-HxCB	145	—	nd	2.01	—	—	—
2,2',3,4',5,5'-HxCB	146	—	24	2.59	63.6	4.54	0.12
2,2',3,4',5,6-HxCB	147	147 + 149	115	2.73	304.75	21.74	0.59
2,2',3,4',5,6'-HxCB	148	—	nd	2.73	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.79	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.76	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	126	2.12	333.9	23.81	0.65
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.87	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	21.6	2.2	57.24	4.08	0.11
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	20.1	1.85	53.265	3.80	0.10
2,3,3',4,5,5'-HxCB	159	—	nd	1.96	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.91	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.02	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	14.1	2.16	37.365	2.66	0.07
2,3,3',5,5',6-HxCB	165	—	nd	2.34	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	6.83	1.52	18.0995	1.29	0.04
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.59	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	32.9	2.3	87.185	6.22	0.17
2,2',3,3',4,4',6-HpCB	171	171 + 173	11.4	2.59	30.21	2.15	0.06
2,2',3,3',4,5,5'-HpCB	172	—	6.69	2.66	17.7285	1.26	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	35.9	2.39	95.135	6.79	0.19
2,2',3,3',4,5',6-HpCB	175	—	nd	2.4	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	5.2	1.76	13.78	0.98	0.03
2,2',3,3',4',5,6-HpCB	177	—	19.5	2.5	51.675	3.69	0.10
2,2',3,3',5,5',6-HpCB	178	—	7.26	2.43	19.239	1.37	0.04
2,2',3,3',5,6,6'-HpCB	179	—	13.9	1.75	36.835	2.63	0.07
2,2',3,4,4',5,5'-HpCB	180	180 + 193	79.2	1.91	209.88	14.97	0.41

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG39373	**Total Volume (mL)**	2650
KC Sample ID	L54980-7	**Days**	14.02
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.58	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.33	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	27.3	2.31	72.345	5.16	0.14
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.75	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.89	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	51.3	9.16	135.945	9.70	0.26
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.67	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.74	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	6.56	1.88	17.384	1.24	0.03
2,3,3',4,4',5',6-HpCB	191	—	nd	1.85	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.09	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	19.2	2.46	50.88	3.63	0.10
2,2',3,3',4,4',5,6-OcCB	195	—	6.7	2.57	17.755	1.27	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	11.1	2.41	29.415	2.10	0.06
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	4.51	1.94	11.9515	0.85	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	28.8	2.6	76.32	5.44	0.15
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	3.84	1.8	10.176	0.73	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	7.33	1.79	19.4245	1.39	0.04
2,2',3,4,4',5,5',6-OcCB	203	—	18.8	2.35	49.82	3.55	0.10
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.73	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.91	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	12.6	4.04	33.39	2.38	0.07
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.43	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.44	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.44	2.38	9.116	0.65	0.02

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	10.3	0.729	30.385	2.17	0.06
3-MoCB	2	—	9.73	0.824	28.7035	2.05	0.06
4-MoCB	3	—	11.3	0.772	33.335	2.39	0.07
2,2'-DiCB	4	—	12	3.43	35.4	2.53	0.07
2,3-DiCB	5	—	nd	2.87	—	—	—
2,3'-DiCB	6	—	6.29	2.6	18.5555	1.33	0.04
2,4-DiCB	7	—	nd	2.69	—	—	—
2,4'-DiCB	8	—	19.4	2.42	57.23	4.09	0.11
2,5-DiCB	9	—	6.51	2.53	19.2045	1.37	0.04
2,6-DiCB	10	—	nd	2.57	—	—	—
3,3'-DiCB	11	—	28	2.76	82.6	5.91	0.16
3,4-DiCB	12	12 + 13	4	2.8	11.8	0.84	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.66	—	—	—
4,4'-DiCB	15	—	9.93	2.57	29.2935	2.10	0.06
2,2',3-TriCB	16	—	9.12	1.98	26.904	1.93	0.05
2,2',4-TriCB	17	—	9.39	1.7	27.7005	1.98	0.05
2,2',5-TriCB	18	18 + 30	21.6	1.38	63.72	4.56	0.12
2,2',6-TriCB	19	—	2.86	1.98	8.437	0.60	0.02
2,3,3'-TriCB	20	20 + 28	21	1.51	61.95	4.43	0.12
2,3,4-TriCB	21	21 + 33	11.5	1.46	33.925	2.43	0.07
2,3,4'-TriCB	22	—	8.96	1.64	26.432	1.89	0.05
2,3,5-TriCB	23	—	nd	1.62	—	—	—
2,3,6-TriCB	24	—	nd	1.25	—	—	—
2,3',4-TriCB	25	—	1.59	1.32	4.6905	0.34	0.01
2,3',5-TriCB	26	26 + 29	4.12	1.53	12.154	0.87	0.02
2,3',6-TriCB	27	—	1.2	1.13	3.54	0.25	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	17.6	1.43	51.92	3.71	0.10
2,4',6-TriCB	32	—	4.74	1.44	13.983	1.00	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.54	—	—	—
3,3',4-TriCB	35	—	nd	1.59	—	—	—
3,3',5-TriCB	36	—	nd	1.48	—	—	—
3,4,4'-TriCB	37	—	7.34	1.42	21.653	1.55	0.04
3,4,5-TriCB	38	—	nd	1.47	—	—	—
3,4',5-TriCB	39	—	nd	1.49	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	10.2	1.68	30.09	2.15	0.06
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	3.42	1.8	10.089	0.72	0.02
2,2',3,5-TeCB	43	—	nd	2.2	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	24.7	1.52	72.865	5.21	0.14
2,2',3,6-TeCB	45	45 + 51	4.6	1.67	13.57	0.97	0.03
2,2',3,6'-TeCB	46	—	nd	1.99	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.92	1.69	8.614	0.62	0.02
2,2',4,5'-TeCB	49	49 + 69	11.2	1.43	33.04	2.36	0.06
2,2',4,6-TeCB	50	50 + 53	2.97	1.64	8.7615	0.63	0.02
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	34	1.54	100.3	7.18	0.20
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.21	—	—	—
2,3,3',4-TeCB	55	—	nd	1.49	—	—	—
2,3,3',4'-TeCB	56	—	8.4	1.45	24.78	1.77	0.05
2,3,3',5-TeCB	57	—	nd	1.44	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.49	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.24	—	—	—
2,3,4,4'-TeCB	60	—	4.37	1.45	12.8915	0.92	0.03

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	57.6	1.42	169.92	12.16	0.33
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.38	—	—	—
2,3,4',6-TeCB	64	—	8.98	1.21	26.491	1.90	0.05
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	19	1.38	56.05	4.01	0.11
2,3',4,5-TeCB	67	—	nd	1.31	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.39	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.35	—	—	—
2,3',5',6-TeCB	73	—	nd	1.22	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	3.9	1.15	11.505	0.82	0.02
3,3',4,5-TeCB	78	—	nd	1.37	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.12	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.27	—	—	—
3,4,4',5-TeCB	81	—	nd	1.26	—	—	—
2,2',3,3',4-PeCB	82	—	6.4	2.51	18.88	1.35	0.04
2,2',3,3',5-PeCB	83	83 + 99	26.1	2.54	76.995	5.51	0.15
2,2',3,3',6-PeCB	84	—	12.4	2.96	36.58	2.62	0.07
2,2',3,4,4'-PeCB	85	85 + 116 + 117	9.71	1.99	28.6445	2.05	0.06
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	39	2.14	115.05	8.23	0.22
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	4.71	2.55	13.8945	0.99	0.03
2,2',3,4,6'-PeCB	89	—	nd	2.66	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	55.1	2.16	162.545	11.63	0.32

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	10.7	2.45	31.565	2.26	0.06
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	32.4	2.55	95.58	6.84	0.19
2,2',3,5,6'-PeCB	94	—	nd	2.82	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.22	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.31	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.98	—	—	—
2,3,3',4,4'-PeCB	105	—	20.2	2.11	59.59	4.26	0.12
2,3,3',4,5-PeCB	106	—	nd	2.27	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	2.43	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	2.88	2.18	8.496	0.61	0.02
2,3,3',4',6-PeCB	110	110 + 115	62.4	1.74	184.08	13.17	0.36
2,3,3',5,5'-PeCB	111	—	nd	1.61	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.76	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.02	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	46.3	1.93	136.585	9.77	0.27
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.55	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.88	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.47	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.16	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.32	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.32	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	6.87	2.13	20.2665	1.45	0.04
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	51.7	2.12	152.515	10.91	0.30
2,2',3,3',4,5'-HxCB	130	—	nd	2.61	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	2.58	—	—	—
2,2',3,3',4,6'-HxCB	132	—	14.2	2.63	41.89	3.00	0.08
2,2',3,3',5,5'-HxCB	133	—	nd	2.44	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	2.54	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	11.5	2.8	33.925	2.43	0.07
2,2',3,3',6,6'-HxCB	136	—	4.46	2.34	13.157	0.94	0.03
2,2',3,4,4',5-HxCB	137	—	2.7	2.39	7.965	0.57	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.3	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	7.87	2.33	23.2165	1.66	0.05
2,2',3,4,5,6-HxCB	142	—	nd	2.59	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	2.92	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	2.51	—	—	—
2,2',3,4',5,5'-HxCB	146	—	8.31	2.18	24.5145	1.75	0.05
2,2',3,4',5,6-HxCB	147	147 + 149	30.8	2.28	90.86	6.50	0.18
2,2',3,4',5,6'-HxCB	148	—	nd	2.96	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	2.4	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	2.25	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	36.8	1.88	108.56	7.77	0.21
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.06	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	5.98	2.05	17.641	1.26	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	5.56	1.67	16.402	1.17	0.03
2,3,3',4,5,5'-HxCB	159	—	nd	1.73	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.74	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.81	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	3.33	1.78	9.8235	0.70	0.02
2,3,3',5,5',6-HxCB	165	—	nd	2	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	2.82	1.61	8.319	0.60	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.61	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	11.4	3.11	33.63	2.41	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	3.29	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	3.17	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	9.5	3.05	28.025	2.01	0.05
2,2',3,3',4,5',6-HpCB	175	—	nd	2.93	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	2.19	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	5.89	3.21	17.3755	1.24	0.03
2,2',3,3',5,5',6-HpCB	178	—	nd	3.1	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	2.95	2.17	8.7025	0.62	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	24.2	2.57	71.39	5.11	0.14

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	2950
KC Sample ID	L55316-8	**Days**	13.98
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	3.07	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.99	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	5.85	2.95	17.2575	1.23	0.03
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.19	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.35	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	14.5	2.85	42.775	3.06	0.08
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.11	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.08	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	2.36	2.23	6.962	0.50	0.01
2,3,3',4,4',5',6-HpCB	191	—	nd	2.29	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.55	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	6.72	2.33	19.824	1.42	0.04
2,2',3,3',4,4',5,6-OcCB	195	—	nd	2.33	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	4	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	3.23	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	10	4.45	29.5	2.11	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	3.22	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	3.53	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	6.01	3.72	17.7295	1.27	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	3.27	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.88	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	5.52	5.07	16.284	1.17	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.99	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	4.01	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	2.89	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	102	0.602	326.4	46.65	0.28
3-MoCB	2	—	9.7	0.728	31.04	4.44	0.03
4-MoCB	3	—	16.6	0.659	53.12	7.59	0.05
2,2'-DiCB	4	—	23.4	2.65	74.88	10.70	0.07
2,3-DiCB	5	—	149	2.27	476.8	68.15	0.42
2,3'-DiCB	6	—	17.9	2.06	57.28	8.19	0.05
2,4-DiCB	7	—	4.8	2.11	15.36	2.20	0.01
2,4'-DiCB	8	—	68.3	1.91	218.56	31.24	0.19
2,5-DiCB	9	—	8.96	1.98	28.672	4.10	0.02
2,6-DiCB	10	—	nd	2.07	—	—	—
3,3'-DiCB	11	—	53.2	2.26	170.24	24.33	0.15
3,4-DiCB	12	12 + 13	9.54	2.26	30.528	4.36	0.03
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.13	—	—	—
4,4'-DiCB	15	—	37.5	2.02	120	17.15	0.10
2,2',3-TriCB	16	—	33.7	1.56	107.84	15.41	0.09
2,2',4-TriCB	17	—	26.2	1.33	83.84	11.98	0.07
2,2',5-TriCB	18	18 + 30	138	1.08	441.6	63.12	0.38
2,2',6-TriCB	19	—	8.18	1.49	26.176	3.74	0.02
2,3,3'-TriCB	20	20 + 28	87.2	1.19	279.04	39.88	0.24
2,3,4-TriCB	21	21 + 33	56.2	1.17	179.84	25.70	0.16
2,3,4'-TriCB	22	—	40.8	1.3	130.56	18.66	0.11
2,3,5-TriCB	23	—	nd	1.25	—	—	—
2,3,6-TriCB	24	—	nd	0.982	—	—	—
2,3',4-TriCB	25	—	6.98	1.04	22.336	3.19	0.02
2,3',5-TriCB	26	26 + 29	17.3	1.2	55.36	7.91	0.05
2,3',6-TriCB	27	—	4.3	0.88	13.76	1.97	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	132	1.1	422.4	60.37	0.37
2,4',6-TriCB	32	—	17.3	1.11	55.36	7.91	0.05
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.19	—	—	—
3,3',4-TriCB	35	—	3.77	1.29	12.064	1.72	0.01
3,3',5-TriCB	36	—	nd	1.2	—	—	—
3,4,4'-TriCB	37	—	33.3	1.12	106.56	15.23	0.09
3,4,5-TriCB	38	—	nd	1.19	—	—	—
3,4',5-TriCB	39	—	nd	1.19	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	29	1.36	92.8	13.26	0.08
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	12.2	1.44	39.04	5.58	0.03
2,2',3,5-TeCB	43	—	1.65	1.61	5.28	0.75	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	81.2	1.24	259.84	37.14	0.23
2,2',3,6-TeCB	45	45 + 51	9.8	1.35	31.36	4.48	0.03
2,2',3,6'-TeCB	46	—	4.15	1.58	13.28	1.90	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	10.6	1.39	33.92	4.85	0.03
2,2',4,5'-TeCB	49	49 + 69	26	1.15	83.2	11.89	0.07
2,2',4,6-TeCB	50	50 + 53	6.64	1.31	21.248	3.04	0.02
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	96.9	1.28	310.08	44.32	0.27
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.936	—	—	—
2,3,3',4-TeCB	55	—	nd	1.36	—	—	—
2,3,3',4'-TeCB	56	—	23.9	1.32	76.48	10.93	0.07
2,3,3',5-TeCB	57	—	nd	1.18	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.27	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	4.54	0.997	14.528	2.08	0.01
2,3,4,4'-TeCB	60	—	13.5	1.29	43.2	6.17	0.04

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	90.6	1.2	289.92	41.44	0.25
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	1.5	1.16	4.8	0.69	0.00
2,3,4',6-TeCB	64	—	23.7	0.974	75.84	10.84	0.07
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	49.8	1.21	159.36	22.78	0.14
2,3',4,5-TeCB	67	—	1.82	1.07	5.824	0.83	0.01
2,3',4,5'-TeCB	68	—	nd	1.15	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.13	—	—	—
2,3',5',6-TeCB	73	—	nd	1.02	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	9.88	1.17	31.616	4.52	0.03
3,3',4,5-TeCB	78	—	nd	1.33	—	—	—
3,3',4,5'-TeCB	79	—	1.07	1.05	3.424	0.49	0.00
3,3',5,5'-TeCB	80	—	nd	1.16	—	—	—
3,4,4',5-TeCB	81	—	nd	1.23	—	—	—
2,2',3,3',4-PeCB	82	—	12.9	2.15	41.28	5.90	0.04
2,2',3,3',5-PeCB	83	83 + 99	38.8	1.96	124.16	17.75	0.11
2,2',3,3',6-PeCB	84	—	18.4	2.08	58.88	8.42	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	14.5	1.63	46.4	6.63	0.04
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	70.4	1.66	225.28	32.20	0.20
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	8.61	1.81	27.552	3.94	0.02
2,2',3,4,6'-PeCB	89	—	nd	2.02	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	82.5	1.63	264	37.73	0.23

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	13.2	1.91	42.24	6.04	0.04
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	48.2	1.8	154.24	22.04	0.13
2,2',3,5,6'-PeCB	94	—	nd	1.99	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.6	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.6	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.67	—	—	—
2,3,3',4,4'-PeCB	105	—	48.8	2.07	156.16	22.32	0.14
2,3,3',4,5-PeCB	106	—	nd	2.44	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	6.18	2.46	19.776	2.83	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	8.23	2.34	26.336	3.76	0.02
2,3,3',4',6-PeCB	110	110 + 115	110	1.39	352	50.31	0.31
2,3,3',5,5'-PeCB	111	—	nd	1.45	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.44	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	2.31	1.99	7.392	1.06	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	97.7	1.89	312.64	44.68	0.27
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.38	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.43	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.62	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.14	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.19	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.32	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	34.7	2.55	111.04	15.87	0.10
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	161	2.65	515.2	73.64	0.45
2,2',3,3',4,5'-HxCB	130	—	10.4	3.45	33.28	4.76	0.03
2,2',3,3',4,6-HxCB	131	—	nd	3.27	—	—	—
2,2',3,3',4,6'-HxCB	132	—	53.9	3.59	172.48	24.65	0.15
2,2',3,3',5,5'-HxCB	133	—	nd	3.23	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	8.35	3.37	26.72	3.82	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	39.2	3.36	125.44	17.93	0.11
2,2',3,3',6,6'-HxCB	136	—	8.82	2.51	28.224	4.03	0.02
2,2',3,4,4',5-HxCB	137	—	9.73	3.29	31.136	4.45	0.03
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	3.07	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	31	3.1	99.2	14.18	0.09
2,2',3,4,5,6-HxCB	142	—	nd	3.38	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	6.4	3.42	20.48	2.93	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	2.69	—	—	—
2,2',3,4',5,5'-HxCB	146	—	21.2	2.99	67.84	9.70	0.06
2,2',3,4',5,6-HxCB	147	147 + 149	83.9	2.94	268.48	38.37	0.23
2,2',3,4',5,6'-HxCB	148	—	nd	3.45	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	2.61	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	2.34	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	107	2.34	342.4	48.94	0.30
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.07	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	27.2	2.38	87.04	12.44	0.08
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	18.9	2.06	60.48	8.64	0.05
2,3,3',4,5,5'-HxCB	159	—	2.41	2.04	7.712	1.10	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.17	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.23	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	11.1	2.22	35.52	5.08	0.03
2,3,3',5,5',6-HxCB	165	—	nd	2.63	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	8.33	1.85	26.656	3.81	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.76	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	39.1	2.73	125.12	17.88	0.11
2,2',3,3',4,4',6-HpCB	171	171 + 173	8.58	2.81	27.456	3.92	0.02
2,2',3,3',4,5,5'-HpCB	172	—	6.18	2.7	19.776	2.83	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	31.1	2.5	99.52	14.22	0.09
2,2',3,3',4,5',6-HpCB	175	—	nd	2.52	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	2.96	2.03	9.472	1.35	0.01
2,2',3,3',4',5,6-HpCB	177	—	16.2	2.67	51.84	7.41	0.05
2,2',3,3',5,5',6-HpCB	178	—	5.89	2.73	18.848	2.69	0.02
2,2',3,3',5,6,6'-HpCB	179	—	11.4	2.07	36.48	5.21	0.03
2,2',3,4,4',5,5'-HpCB	180	180 + 193	86.7	2.26	277.44	39.65	0.24

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41271	**Total Volume (mL)**	3200
KC Sample ID	L56076-5	**Days**	7.00
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.57	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.57	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	24.6	2.51	78.72	11.25	0.07
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.98	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.17	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	50.7	2.45	162.24	23.19	0.14
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.81	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.89	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	6.97	1.77	22.304	3.19	0.02
2,3,3',4,4',5',6-HpCB	191	—	nd	1.82	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.12	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	44	1.69	140.8	20.12	0.12
2,2',3,3',4,4',5,6-OcCB	195	—	9.49	1.93	30.368	4.34	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	19.4	3.37	62.08	8.87	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	2.82	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	110	3.65	352	50.31	0.31
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	9.35	2.85	29.92	4.28	0.03
2,2',3,3',5,5',6,6'-OcCB	202	—	29.1	2.82	93.12	13.31	0.08
2,2',3,4,4',5,5',6-OcCB	203	—	74.2	3.26	237.44	33.94	0.21
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	2.83	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.41	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	249	2.68	796.8	113.88	0.69
2,2',3,3',4,4',5,6,6'-NoCB	207	—	27.3	2.13	87.36	12.49	0.08
2,2',3,3',4,5,5',6,6'-NoCB	208	—	101	2.14	323.2	46.19	0.28
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	74.1	2.07	237.12	33.89	0.21

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	1570	59.5	628	29.85	0.18
2,3-DiCB	5	—	173	43.5	69.2	3.29	0.02
2,3'-DiCB	6	—	1030	39.8	412	19.58	0.12
2,4-DiCB	7	—	154	40.6	61.6	2.93	0.02
2,4'-DiCB	8	—	4560	37.7	1824	86.69	0.53
2,5-DiCB	9	—	308	38.5	123.2	5.86	0.04
2,6-DiCB	10	—	63	39	25.2	1.20	0.01
3,3'-DiCB	11	—	3150	45.2	1260	59.88	0.36
3,4-DiCB	12	12 + 13	672	45.2	268.8	12.77	0.08
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	41.7	—	—	—
4,4'-DiCB	15	—	3300	38	1320	62.73	0.38
2,2',3-TriCB	16	—	2540	10.4	1016	48.29	0.29
2,2',4-TriCB	17	—	2020	8.78	808	38.40	0.23
2,2',5-TriCB	18	18 + 30	4810	7.09	1924	91.44	0.56
2,2',6-TriCB	19	—	611	10.4	244.4	11.62	0.07
2,3,3'-TriCB	20	20 + 28	8700	15.7	3480	165.39	1.01
2,3,4-TriCB	21	21 + 33	5750	15	2300	109.31	0.67
2,3,4'-TriCB	22	—	4200	17.4	1680	79.84	0.49
2,3,5-TriCB	23	—	nd	16.1	—	—	—
2,3,6-TriCB	24	—	69	6.46	27.6	1.31	0.01
2,3',4-TriCB	25	—	604	13.7	241.6	11.48	0.07
2,3',5-TriCB	26	26 + 29	1510	15.3	604	28.70	0.17
2,3',6-TriCB	27	—	310	5.87	124	5.89	0.04
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	7270	14.5	2908	138.20	0.84
2,4',6-TriCB	32	—	1450	14.3	580	27.56	0.17
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	30.1	15.5	12.04	0.57	0.00
3,3',4-TriCB	35	—	398	18.4	159.2	7.57	0.05
3,3',5-TriCB	36	—	nd	16.3	—	—	—
3,4,4'-TriCB	37	—	3740	14.8	1496	71.10	0.43
3,4,5-TriCB	38	—	nd	16.3	—	—	—
3,4',5-TriCB	39	—	56	16.5	22.4	1.06	0.01
2,2',3,3'-TeCB	40	40 + 41 + 71	5630	13.7	2252	107.03	0.65
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	2180	13.8	872	41.44	0.25
2,2',3,5-TeCB	43	—	304	15.4	121.6	5.78	0.04
2,2',3,5'-TeCB	44	44 + 47 + 65	7930	12.3	3172	150.75	0.92
2,2',3,6-TeCB	45	45 + 51	1190	12.8	476	22.62	0.14
2,2',3,6'-TeCB	46	—	470	15	188	8.93	0.05
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	1770	13.6	708	33.65	0.20
2,2',4,5'-TeCB	49	49 + 69	3890	11.5	1556	73.95	0.45
2,2',4,6-TeCB	50	50 + 53	798	12.3	319.2	15.17	0.09
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	9100	12.7	3640	172.99	1.05
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	16	9.18	6.4	0.30	0.00
2,3,3',4-TeCB	55	—	162	18.7	64.8	3.08	0.02
2,3,3',4'-TeCB	56	—	2540	18.5	1016	48.29	0.29
2,3,3',5-TeCB	57	—	46.3	16.3	18.52	0.88	0.01
2,3,3',5'-TeCB	58	—	nd	18	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	772	9.88	308.8	14.68	0.09
2,3,4,4'-TeCB	60	—	1380	18.1	552	26.23	0.16

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	12900	16.5	5160	245.23	1.49
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	269	16.5	107.6	5.11	0.03
2,3,4',6-TeCB	64	—	3780	9.85	1512	71.86	0.44
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	5290	17.1	2116	100.56	0.61
2,3',4,5-TeCB	67	—	298	15.3	119.2	5.66	0.03
2,3',4,5'-TeCB	68	—	25.2	16	10.08	0.48	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	50.9	15.4	20.36	0.97	0.01
2,3',5',6-TeCB	73	—	nd	10	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	655	14.7	262	12.45	0.08
3,3',4,5-TeCB	78	—	nd	18.5	—	—	—
3,3',4,5'-TeCB	79	—	97.9	14.9	39.16	1.86	0.01
3,3',5,5'-TeCB	80	—	nd	16.4	—	—	—
3,4,4',5-TeCB	81	—	24.4	15.1	9.76	0.46	0.00
2,2',3,3',4-PeCB	82	—	1370	17.7	548	26.04	0.16
2,2',3,3',5-PeCB	83	83 + 99	5290	16.5	2116	100.56	0.61
2,2',3,3',6-PeCB	84	—	2990	17.8	1196	56.84	0.35
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1620	13.3	648	30.80	0.19
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	7870	13.6	3148	149.61	0.91
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	1460	15.1	584	27.75	0.17
2,2',3,4,6'-PeCB	89	—	133	16.3	53.2	2.53	0.02
2,2',3,4',5-PeCB	90	90 + 101 + 113	10200	13.7	4080	193.90	1.18

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	1720	15.7	688	32.70	0.20
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	8130	14.6	3252	154.55	0.94
2,2',3,5,6'-PeCB	94	—	61.5	16.1	24.6	1.17	0.01
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	75.6	9.69	30.24	1.44	0.01
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	46.6	13.1	18.64	0.89	0.01
2,2',4,6,6'-PeCB	104	—	nd	11.4	—	—	—
2,3,3',4,4'-PeCB	105	—	4320	40.8	1728	82.12	0.50
2,3,3',4,5-PeCB	106	—	nd	44.6	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	444	46.9	177.6	8.44	0.05
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	685	42.3	274	13.02	0.08
2,3,3',4',6-PeCB	110	110 + 115	11900	11.8	4760	226.22	1.38
2,3,3',5,5'-PeCB	111	—	nd	12.1	—	—	—
2,3,3',5,6-PeCB	112	—	nd	11.5	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	210	38.9	84	3.99	0.02
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	9050	35.7	3620	172.04	1.05
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	14.3	11.4	5.72	0.27	0.00

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	11.9	—	—	—
2',3,3',4,5-PeCB	122	—	135	51.6	54	2.57	0.02
2',3,4,4',5-PeCB	123	—	159	43.5	63.6	3.02	0.02
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	102	44.5	40.8	1.94	0.01
3,3',4,5,5'-PeCB	127	—	nd	51.6	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	2580	23.7	1032	49.05	0.30
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	15400	24.1	6160	292.75	1.78
2,2',3,3',4,5'-HxCB	130	—	1070	30.9	428	20.34	0.12
2,2',3,3',4,6-HxCB	131	—	246	28.1	98.4	4.68	0.03
2,2',3,3',4,6'-HxCB	132	—	4940	29.4	1976	93.91	0.57
2,2',3,3',5,5'-HxCB	133	—	161	27.1	64.4	3.06	0.02
2,2',3,3',5,6-HxCB	134	134 + 143	746	27.2	298.4	14.18	0.09
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	3300	20	1320	62.73	0.38
2,2',3,3',6,6'-HxCB	136	—	1340	14.7	536	25.47	0.16
2,2',3,4,4',5-HxCB	137	—	871	28.4	348.4	16.56	0.10
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	246	24.8	98.4	4.68	0.03
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	2560	26.9	1024	48.67	0.30
2,2',3,4,5,6-HxCB	142	—	nd	27.8	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	543	20.4	217.2	10.32	0.06
2,2',3,4,6,6'-HxCB	145	—	nd	15.7	—	—	—
2,2',3,4',5,5'-HxCB	146	—	2230	25.1	892	42.39	0.26
2,2',3,4',5,6-HxCB	147	147 + 149	10300	24.4	4120	195.80	1.19
2,2',3,4',5,6'-HxCB	148	—	nd	21	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	14.7	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	13.6	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	9760	21.2	3904	185.54	1.13
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	12.6	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	1960	20.6	784	37.26	0.23
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	1590	18.5	636	30.23	0.18
2,3,3',4,5,5'-HxCB	159	—	125	19.8	50	2.38	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	19	—	—	—
2,3,3',4',5,5'-HxCB	162	—	47.6	20	19.04	0.90	0.01
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	1030	20.2	412	19.58	0.12
2,3,3',5,5',6-HxCB	165	—	nd	22.2	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	618	16.3	247.2	11.75	0.07
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	17.9	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	2690	23.6	1076	51.14	0.31
2,2',3,3',4,4',6-HpCB	171	171 + 173	856	26.6	342.4	16.27	0.10
2,2',3,3',4,5,5'-HpCB	172	—	567	26.3	226.8	10.78	0.07
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	2570	25.5	1028	48.86	0.30
2,2',3,3',4,5',6-HpCB	175	—	121	24.1	48.4	2.30	0.01
2,2',3,3',4,6,6'-HpCB	176	—	304	18.5	121.6	5.78	0.04
2,2',3,3',4',5,6-HpCB	177	—	1480	26.8	592	28.13	0.17
2,2',3,3',5,5',6-HpCB	178	—	477	25.1	190.8	9.07	0.06
2,2',3,3',5,6,6'-HpCB	179	—	1010	17.6	404	19.20	0.12
2,2',3,4,4',5,5'-HpCB	180	180 + 193	5520	19.4	2208	104.93	0.64

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-5	**Days**	21.04
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	47	25.4	18.8	0.89	0.01
2,2',3,4,4',5,6'-HpCB	182	—	26.4	24.8	10.56	0.50	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	1710	24.1	684	32.51	0.20
2,2',3,4,4',6,6'-HpCB	184	—	nd	17.9	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	19.6	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	3160	23.2	1264	60.07	0.37
2,2',3,4',5,6,6'-HpCB	188	—	nd	15.4	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	145	13.4	58	2.76	0.02
2,3,3',4,4',5,6-HpCB	190	—	569	17.6	227.6	10.82	0.07
2,3,3',4,4',5',6-HpCB	191	—	108	18	43.2	2.05	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	20.6	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	2120	22.9	848	40.30	0.25
2,2',3,3',4,4',5,6-OcCB	195	—	492	22.7	196.8	9.35	0.06
2,2',3,3',4,4',5,6'-OcCB	196	—	1130	25.3	452	21.48	0.13
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	359	19.9	143.6	6.82	0.04
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	3090	26.4	1236	58.74	0.36
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	330	19.7	132	6.27	0.04
2,2',3,3',5,5',6,6'-OcCB	202	—	527	21	210.8	10.02	0.06
2,2',3,4,4',5,5',6-OcCB	203	—	1880	23.9	752	35.74	0.22
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	19.7	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	85.2	17.9	34.08	1.62	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	2080	25.6	832	39.54	0.24
2,2',3,3',4,4',5,6,6'-NoCB	207	—	274	23.5	109.6	5.21	0.03
2,2',3,3',4,5,5',6,6'-NoCB	208	—	664	20.2	265.6	12.62	0.08
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	363	20.8	145.2	6.90	0.04

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	1370	44.2	548	25.86	0.16
2,3-DiCB	5	—	486	32.4	194.4	9.18	0.06
2,3'-DiCB	6	—	841	28.3	336.4	15.88	0.10
2,4-DiCB	7	—	151	29.6	60.4	2.85	0.02
2,4'-DiCB	8	—	3580	26.5	1432	67.59	0.41
2,5-DiCB	9	—	274	27.6	109.6	5.17	0.03
2,6-DiCB	10	—	nd	28.7	—	—	—
3,3'-DiCB	11	—	5250	33	2100	99.12	0.60
3,4-DiCB	12	12 + 13	530	33	212	10.01	0.06
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	30.3	—	—	—
4,4'-DiCB	15	—	2630	28.6	1052	49.65	0.30
2,2',3-TriCB	16	—	1750	10.9	700	33.04	0.20
2,2',4-TriCB	17	—	1530	9.5	612	28.88	0.18
2,2',5-TriCB	18	18 + 30	4190	7.67	1676	79.10	0.48
2,2',6-TriCB	19	—	505	10.5	202	9.53	0.06
2,3,3'-TriCB	20	20 + 28	4900	11.1	1960	92.51	0.56
2,3,4-TriCB	21	21 + 33	3040	11	1216	57.39	0.35
2,3,4'-TriCB	22	—	2260	12.4	904	42.67	0.26
2,3,5-TriCB	23	—	nd	11.7	—	—	—
2,3,6-TriCB	24	—	47.6	7.21	19.04	0.90	0.01
2,3',4-TriCB	25	—	358	9.63	143.2	6.76	0.04
2,3',5-TriCB	26	26 + 29	907	11.2	362.8	17.12	0.10
2,3',6-TriCB	27	—	230	6.37	92	4.34	0.03
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	4660	10.3	1864	87.98	0.54
2,4',6-TriCB	32	—	1030	10.2	412	19.45	0.12
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	13.8	10.9	5.52	0.26	0.00
3,3',4-TriCB	35	—	242	13.1	96.8	4.57	0.03
3,3',5-TriCB	36	—	28.3	11.6	11.32	0.53	0.00
3,4,4'-TriCB	37	—	2130	11.2	852	40.21	0.24
3,4,5-TriCB	38	—	nd	11.2	—	—	—
3,4',5-TriCB	39	—	23.7	11.6	9.48	0.45	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	1840	10.6	736	34.74	0.21
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	842	11.4	336.8	15.90	0.10
2,2',3,5-TeCB	43	—	118	12.2	47.2	2.23	0.01
2,2',3,5'-TeCB	44	44 + 47 + 65	3240	9.8	1296	61.17	0.37
2,2',3,6-TeCB	45	45 + 51	611	10.1	244.4	11.54	0.07
2,2',3,6'-TeCB	46	—	242	11.8	96.8	4.57	0.03
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	684	10.7	273.6	12.91	0.08
2,2',4,5'-TeCB	49	49 + 69	1530	8.82	612	28.88	0.18
2,2',4,6-TeCB	50	50 + 53	446	9.54	178.4	8.42	0.05
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	3580	9.72	1432	67.59	0.41
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	8.33	7.43	3.332	0.16	0.00
2,3,3',4-TeCB	55	—	63.2	10.3	25.28	1.19	0.01
2,3,3',4'-TeCB	56	—	1200	10	480	22.65	0.14
2,3,3',5-TeCB	57	—	17	9.11	6.8	0.32	0.00
2,3,3',5'-TeCB	58	—	nd	9.11	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	301	7.8	120.4	5.68	0.03
2,3,4,4'-TeCB	60	—	634	9.88	253.6	11.97	0.07

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	4840	9.14	1936	91.37	0.56
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	90.1	8.84	36.04	1.70	0.01
2,3,4',6-TeCB	64	—	1290	7.95	516	24.35	0.15
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	2220	9.35	888	41.91	0.26
2,3',4,5-TeCB	67	—	95.4	8.12	38.16	1.80	0.01
2,3',4,5'-TeCB	68	—	17.2	8.64	6.88	0.32	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	17.1	8.71	6.84	0.32	0.00
2,3',5',6-TeCB	73	—	nd	7.84	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	510	8.41	204	9.63	0.06
3,3',4,5-TeCB	78	—	nd	10.3	—	—	—
3,3',4,5'-TeCB	79	—	51.5	7.87	20.6	0.97	0.01
3,3',5,5'-TeCB	80	—	nd	8.94	—	—	—
3,4,4',5-TeCB	81	—	20.1	8.61	8.04	0.38	0.00
2,2',3,3',4-PeCB	82	—	551	18.2	220.4	10.40	0.06
2,2',3,3',5-PeCB	83	83 + 99	1940	16.9	776	36.63	0.22
2,2',3,3',6-PeCB	84	—	810	18.7	324	15.29	0.09
2,2',3,4,4'-PeCB	85	85 + 116 + 117	600	13.9	240	11.33	0.07
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	2950	14.2	1180	55.69	0.34
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	457	16.3	182.8	8.63	0.05
2,2',3,4,6'-PeCB	89	—	51.7	17	20.68	0.98	0.01
2,2',3,4',5-PeCB	90	90 + 101 + 113	3330	14	1332	62.87	0.38

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	534	16.3	213.6	10.08	0.06
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	2360	15.9	944	44.55	0.27
2,2',3,5,6'-PeCB	94	—	nd	17.7	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	25.7	9.58	10.28	0.49	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	14.1	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	12.9	—	—	—
2,3,3',4,4'-PeCB	105	—	2060	17	824	38.89	0.24
2,3,3',4,5-PeCB	106	—	nd	18.1	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	183	18.7	73.2	3.45	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	280	16.5	112	5.29	0.03
2,3,3',4',6-PeCB	110	110 + 115	4190	12.3	1676	79.10	0.48
2,3,3',5,5'-PeCB	111	—	nd	12.2	—	—	—
2,3,3',5,6-PeCB	112	—	nd	12.2	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	89.7	15.4	35.88	1.69	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	3840	13	1536	72.50	0.44
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	11.5	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	12.1	—	—	—
2',3,3',4,5-PeCB	122	—	67.2	19.8	26.88	1.27	0.01
2',3,4,4',5-PeCB	123	—	83.5	17.5	33.4	1.58	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	73.4	17.3	29.36	1.39	0.01
3,3',4,5,5'-PeCB	127	—	nd	17.9	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	1160	19.8	464	21.90	0.13
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	6380	20.2	2552	120.45	0.73
2,2',3,3',4,5'-HxCB	130	—	429	26.1	171.6	8.10	0.05
2,2',3,3',4,6-HxCB	131	—	54.4	23.4	21.76	1.03	0.01
2,2',3,3',4,6'-HxCB	132	—	1810	24.9	724	34.17	0.21
2,2',3,3',5,5'-HxCB	133	—	74.8	23.9	29.92	1.41	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	220	25.2	88	4.15	0.03
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	1340	16.9	536	25.30	0.15
2,2',3,3',6,6'-HxCB	136	—	463	12.4	185.2	8.74	0.05
2,2',3,4,4',5-HxCB	137	—	310	23.5	124	5.85	0.04
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	93.2	21.7	37.28	1.76	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	1180	23.5	472	22.28	0.14
2,2',3,4,5,6-HxCB	142	—	nd	25.5	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	179	17.2	71.6	3.38	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	13.7	—	—	—
2,2',3,4',5,5'-HxCB	146	—	1000	22.3	400	18.88	0.11
2,2',3,4',5,6-HxCB	147	147 + 149	4540	23.5	1816	85.71	0.52
2,2',3,4',5,6'-HxCB	148	—	nd	17.2	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	12.7	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	11.5	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	4300	17.8	1720	81.18	0.49
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	11.9	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	1080	19.1	432	20.39	0.12
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	668	15.4	267.2	12.61	0.08
2,3,3',4,5,5'-HxCB	159	—	73	16.8	29.2	1.38	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	15.5	—	—	—
2,3,3',4',5,5'-HxCB	162	—	38.7	17.2	15.48	0.73	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	440	17.2	176	8.31	0.05
2,3,3',5,5',6-HxCB	165	—	nd	19.1	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	345	15	138	6.51	0.04
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	14.3	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	1910	17.3	764	36.06	0.22
2,2',3,3',4,4',6-HpCB	171	171 + 173	460	19.3	184	8.68	0.05
2,2',3,3',4,5,5'-HpCB	172	—	379	18.3	151.6	7.16	0.04
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1470	17.3	588	27.75	0.17
2,2',3,3',4,5',6-HpCB	175	—	82.1	16.5	32.84	1.55	0.01
2,2',3,3',4,6,6'-HpCB	176	—	162	11.9	64.8	3.06	0.02
2,2',3,3',4',5,6-HpCB	177	—	856	17.5	342.4	16.16	0.10
2,2',3,3',5,5',6-HpCB	178	—	338	17.1	135.2	6.38	0.04
2,2',3,3',5,6,6'-HpCB	179	—	565	12.1	226	10.67	0.06
2,2',3,4,4',5,5'-HpCB	180	180 + 193	4180	14.5	1672	78.91	0.48

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-5	**Days**	21.19
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	18	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	32.9	17.1	13.16	0.62	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	1160	16.9	464	21.90	0.13
2,2',3,4,4',6,6'-HpCB	184	—	nd	11	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	13.6	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	2340	16.4	936	44.18	0.27
2,2',3,4',5,6,6'-HpCB	188	—	16.8	13.3	6.72	0.32	0.00
2,3,3',4,4',5,5'-HpCB	189	—	78.6	9.06	31.44	1.48	0.01
2,3,3',4,4',5,6-HpCB	190	—	473	13.5	189.2	8.93	0.05
2,3,3',4,4',5',6-HpCB	191	—	74.8	13.2	29.92	1.41	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	15.4	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	2080	18.4	832	39.27	0.24
2,2',3,3',4,4',5,6-OcCB	195	—	519	21.2	207.6	9.80	0.06
2,2',3,3',4,4',5,6'-OcCB	196	—	1060	17.1	424	20.01	0.12
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	215	13	86	4.06	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	4580	18.1	1832	86.47	0.53
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	342	13.5	136.8	6.46	0.04
2,2',3,3',5,5',6,6'-OcCB	202	—	1200	16	480	22.65	0.14
2,2',3,4,4',5,5',6-OcCB	203	—	2480	16.7	992	46.82	0.29
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	13.3	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	64.9	12.3	25.96	1.23	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	7230	19.1	2892	136.50	0.83
2,2',3,3',4,4',5,6,6'-NoCB	207	—	807	17.4	322.8	15.24	0.09
2,2',3,3',4,5,5',6,6'-NoCB	208	—	3290	17.4	1316	62.11	0.38
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	1640	15.5	656	30.96	0.19

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	1260	31.7	504	18.59	0.11
2,3-DiCB	5	—	200	19.4	80	2.95	0.02
2,3'-DiCB	6	—	834	17	333.6	12.31	0.07
2,4-DiCB	7	—	176	17.7	70.4	2.60	0.02
2,4'-DiCB	8	—	3680	105	1472	54.31	0.33
2,5-DiCB	9	—	249	16.6	99.6	3.67	0.02
2,6-DiCB	10	—	nd	17.2	—	—	—
3,3'-DiCB	11	—	3850	19.7	1540	56.82	0.35
3,4-DiCB	12	12 + 13	754	139	301.6	11.13	0.07
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	18.2	—	—	—
4,4'-DiCB	15	—	3090	14.7	1236	45.60	0.28
2,2',3-TriCB	16	—	1810	8.39	724	26.71	0.16
2,2',4-TriCB	17	—	1690	7.33	676	24.94	0.15
2,2',5-TriCB	18	18 + 30	4060	5.92	1624	59.92	0.36
2,2',6-TriCB	19	—	510	8.23	204	7.53	0.05
2,3,3'-TriCB	20	20 + 28	5670	5.97	2268	83.68	0.51
2,3,4-TriCB	21	21 + 33	3490	5.88	1396	51.50	0.31
2,3,4'-TriCB	22	—	2980	6.65	1192	43.98	0.27
2,3,5-TriCB	23	—	nd	6.28	—	—	—
2,3,6-TriCB	24	—	54.7	5.56	21.88	0.81	0.00
2,3',4-TriCB	25	—	395	5.17	158	5.83	0.04
2,3',5-TriCB	26	26 + 29	1050	5.99	420	15.50	0.09
2,3',6-TriCB	27	—	267	11.7	106.8	3.94	0.02
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	4920	5.51	1968	72.61	0.44
2,4',6-TriCB	32	—	1180	5.48	472	17.41	0.11
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	5.83	—	—	—
3,3',4-TriCB	35	—	283	7.01	113.2	4.18	0.03
3,3',5-TriCB	36	—	19.5	6.22	7.8	0.29	0.00
3,4,4'-TriCB	37	—	2780	5.93	1112	41.03	0.25
3,4,5-TriCB	38	—	9	6.01	3.6	0.13	0.00
3,4',5-TriCB	39	—	37.5	6.23	15	0.55	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	2390	11.1	956	35.27	0.21
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	1050	11.9	420	15.50	0.09
2,2',3,5-TeCB	43	—	132	12.7	52.8	1.95	0.01
2,2',3,5'-TeCB	44	44 + 47 + 65	3940	10.2	1576	58.15	0.35
2,2',3,6-TeCB	45	45 + 51	733	10.5	293.2	10.82	0.07
2,2',3,6'-TeCB	46	—	268	12.3	107.2	3.96	0.02
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	818	11.2	327.2	12.07	0.07
2,2',4,5'-TeCB	49	49 + 69	1950	9.18	780	28.78	0.18
2,2',4,6-TeCB	50	50 + 53	520	9.93	208	7.67	0.05
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	4380	10.1	1752	64.64	0.39
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	14	8.14	5.6	0.21	0.00
2,3,3',4-TeCB	55	—	104	14.1	41.6	1.53	0.01
2,3,3',4'-TeCB	56	—	1940	13.7	776	28.63	0.17
2,3,3',5-TeCB	57	—	21.4	12.5	8.56	0.32	0.00
2,3,3',5'-TeCB	58	—	nd	12.5	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	376	8.12	150.4	5.55	0.03
2,3,4,4'-TeCB	60	—	1090	13.5	436	16.09	0.10

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	7060	12.5	2824	104.19	0.63
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	128	12.1	51.2	1.89	0.01
2,3,4',6-TeCB	64	—	1720	8.28	688	25.38	0.15
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	3390	12.8	1356	50.03	0.30
2,3',4,5-TeCB	67	—	131	11.1	52.4	1.93	0.01
2,3',4,5'-TeCB	68	—	18.8	11.8	7.52	0.28	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	23.9	11.9	9.56	0.35	0.00
2,3',5',6-TeCB	73	—	nd	8.17	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	812	11.5	324.8	11.98	0.07
3,3',4,5-TeCB	78	—	nd	14	—	—	—
3,3',4,5'-TeCB	79	—	82.5	10.8	33	1.22	0.01
3,3',5,5'-TeCB	80	—	nd	12.2	—	—	—
3,4,4',5-TeCB	81	—	29.5	11.4	11.8	0.44	0.00
2,2',3,3',4-PeCB	82	—	1100	19.1	440	16.23	0.10
2,2',3,3',5-PeCB	83	83 + 99	3270	17.7	1308	48.26	0.29
2,2',3,3',6-PeCB	84	—	1550	19.6	620	22.87	0.14
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1240	14.6	496	18.30	0.11
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	6050	14.9	2420	89.29	0.54
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	780	17.1	312	11.51	0.07
2,2',3,4,6'-PeCB	89	—	84.7	17.9	33.88	1.25	0.01
2,2',3,4',5-PeCB	90	90 + 101 + 113	5780	14.7	2312	85.30	0.52

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	961	17.1	384.4	14.18	0.09
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	4240	16.7	1696	62.57	0.38
2,2',3,5,6'-PeCB	94	—	28.1	18.6	11.24	0.41	0.00
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	42.9	8.33	17.16	0.63	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	31.3	14.8	12.52	0.46	0.00
2,2',4,6,6'-PeCB	104	—	nd	11.6	—	—	—
2,3,3',4,4'-PeCB	105	—	3890	16.1	1556	57.41	0.35
2,3,3',4,5-PeCB	106	—	nd	18.2	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	346	18.8	138.4	5.11	0.03
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	553	16.6	221.2	8.16	0.05
2,3,3',4',6-PeCB	110	110 + 115	8990	12.9	3596	132.67	0.81
2,3,3',5,5'-PeCB	111	—	nd	12.8	—	—	—
2,3,3',5,6-PeCB	112	—	nd	12.8	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	160	15.8	64	2.36	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	7190	14.2	2876	106.11	0.65
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	13.8	12	5.52	0.20	0.00

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	12.7	—	—	—
2',3,3',4,5-PeCB	122	—	129	19.8	51.6	1.90	0.01
2',3,4,4',5-PeCB	123	—	139	16.2	55.6	2.05	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	157	16.1	62.8	2.32	0.01
3,3',4,5,5'-PeCB	127	—	nd	18	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	2420	17.2	968	35.71	0.22
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	12900	17.5	5160	190.38	1.16
2,2',3,3',4,5'-HxCB	130	—	810	22.6	324	11.95	0.07
2,2',3,3',4,6-HxCB	131	—	152	20.2	60.8	2.24	0.01
2,2',3,3',4,6'-HxCB	132	—	3770	21.6	1508	55.64	0.34
2,2',3,3',5,5'-HxCB	133	—	121	20.7	48.4	1.79	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	509	21.8	203.6	7.51	0.05
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	2400	15	960	35.42	0.22
2,2',3,3',6,6'-HxCB	136	—	858	11	343.2	12.66	0.08
2,2',3,4,4',5-HxCB	137	—	575	20.3	230	8.49	0.05
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	170	18.8	68	2.51	0.02
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	2220	20.3	888	32.76	0.20
2,2',3,4,5,6-HxCB	142	—	nd	22.1	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	344	15.3	137.6	5.08	0.03
2,2',3,4,6,6'-HxCB	145	—	nd	12.2	—	—	—
2,2',3,4',5,5'-HxCB	146	—	1730	29.5	692	25.53	0.16
2,2',3,4',5,6-HxCB	147	147 + 149	8050	20.3	3220	118.80	0.72
2,2',3,4',5,6'-HxCB	148	—	nd	15.3	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	17.7	11.3	7.08	0.26	0.00

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	10.2	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	8030	15.4	3212	118.51	0.72
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	11.4	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	1970	15.7	788	29.07	0.18
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	1300	13.3	520	19.19	0.12
2,3,3',4,5,5'-HxCB	159	—	155	14.5	62	2.29	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	13.4	—	—	—
2,3,3',4',5,5'-HxCB	162	—	58.7	14.9	23.48	0.87	0.01
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	892	14.9	356.8	13.16	0.08
2,3,3',5,5',6-HxCB	165	—	nd	16.5	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	627	12.1	250.8	9.25	0.06
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	24.3	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	3690	16.3	1476	54.46	0.33
2,2',3,3',4,4',6-HpCB	171	171 + 173	1080	19.5	432	15.94	0.10
2,2',3,3',4,5,5'-HpCB	172	—	736	18.6	294.4	10.86	0.07
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	3270	17.6	1308	48.26	0.29
2,2',3,3',4,5',6-HpCB	175	—	151	16.7	60.4	2.23	0.01
2,2',3,3',4,6,6'-HpCB	176	—	303	12	121.2	4.47	0.03
2,2',3,3',4',5,6-HpCB	177	—	1870	17.8	748	27.60	0.17
2,2',3,3',5,5',6-HpCB	178	—	609	17.4	243.6	8.99	0.05
2,2',3,3',5,6,6'-HpCB	179	—	1000	12.2	400	14.76	0.09
2,2',3,4,4',5,5'-HpCB	180	180 + 193	7470	13.2	2988	110.24	0.67

Table C-19. PCB Flux Calculations by Congener for South Park Station (SPCC-R)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-5	**Days**	27.10
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	41.4	18.3	16.56	0.61	0.00
2,2',3,4,4',5,6'-HpCB	182	—	53.7	17.3	21.48	0.79	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	2260	17.1	904	33.35	0.20
2,2',3,4,4',6,6'-HpCB	184	—	nd	11.2	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	13.8	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	4050	23.1	1620	59.77	0.36
2,2',3,4',5,6,6'-HpCB	188	—	18.6	11.8	7.44	0.27	0.00
2,3,3',4,4',5,5'-HpCB	189	—	134	11.6	53.6	1.98	0.01
2,3,3',4,4',5,6-HpCB	190	—	814	13.7	325.6	12.01	0.07
2,3,3',4,4',5',6-HpCB	191	—	168	13.4	67.2	2.48	0.02
2,3,3',4,5,5',6-HpCB	192	—	nd	15.6	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	2560	16.4	1024	37.78	0.23
2,2',3,3',4,4',5,6-OcCB	195	—	838	24.8	335.2	12.37	0.08
2,2',3,3',4,4',5,6'-OcCB	196	—	1270	18.6	508	18.74	0.11
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	473	15.6	189.2	6.98	0.04
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	3220	19.8	1288	47.52	0.29
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	355	14.7	142	5.24	0.03
2,2',3,3',5,5',6,6'-OcCB	202	—	566	15.1	226.4	8.35	0.05
2,2',3,4,4',5,5',6-OcCB	203	—	1980	18.2	792	29.22	0.18
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	14.5	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	113	12.1	45.2	1.67	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	1960	21.3	784	28.93	0.18
2,2',3,3',4,4',5,6,6'-NoCB	207	—	253	21.1	101.2	3.73	0.02
2,2',3,3',4,5,5',6,6'-NoCB	208	—	572	17	228.8	8.44	0.05
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	416	16	166.4	6.14	0.04

[a] Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	18.3	0.747	27.45	0.95	0.01
3-MoCB	2	—	11	0.747	16.5	0.57	0.00
4-MoCB	3	—	27.8	0.747	41.7	1.44	0.01
2,2'-DiCB	4	—	42	1.65	63	2.18	0.01
2,3-DiCB	5	—	3.06	1.41	4.59	0.16	0.00
2,3'-DiCB	6	—	27.1	1.27	40.65	1.41	0.01
2,4-DiCB	7	—	11.4	1.31	17.1	0.59	0.00
2,4'-DiCB	8	—	115	1.19	172.5	5.97	0.04
2,5-DiCB	9	—	8.42	1.25	12.63	0.44	0.00
2,6-DiCB	10	—	2.74	1.25	4.11	0.14	0.00
3,3'-DiCB	11	—	454	1.41	681	23.57	0.14
3,4-DiCB	12	12 + 13	17.7	1.4	26.55	0.92	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	1.32	—	—	—
4,4'-DiCB	15	—	79.1	1.37	118.65	4.11	0.03
2,2',3-TriCB	16	—	49.6	0.747	74.4	2.57	0.02
2,2',4-TriCB	17	—	43.2	0.747	64.8	2.24	0.01
2,2',5-TriCB	18	18 + 30	92.4	0.747	138.6	4.80	0.03
2,2',6-TriCB	19	—	11.5	0.747	17.25	0.60	0.00
2,3,3'-TriCB	20	20 + 28	141	0.747	211.5	7.32	0.04
2,3,4-TriCB	21	21 + 33	82.4	0.747	123.6	4.28	0.03
2,3,4'-TriCB	22	—	58.4	0.747	87.6	3.03	0.02
2,3,5-TriCB	23	—	0.887	0.747	1.3305	0.05	0.00
2,3,6-TriCB	24	—	2.23	0.747	3.345	0.12	0.00
2,3',4-TriCB	25	—	10.3	0.747	15.45	0.53	0.00
2,3',5-TriCB	26	26 + 29	26	0.747	39	1.35	0.01
2,3',6-TriCB	27	—	6.68	0.747	10.02	0.35	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	117	0.747	175.5	6.07	0.04
2,4',6-TriCB	32	—	29.8	0.747	44.7	1.55	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	1.32	0.747	1.98	0.07	0.00
3,3',4-TriCB	35	—	17.3	0.762	25.95	0.90	0.01
3,3',5-TriCB	36	—	1.56	0.747	2.34	0.08	0.00
3,4,4'-TriCB	37	—	63.4	0.747	95.1	3.29	0.02
3,4,5-TriCB	38	—	nd	0.747	—	—	—
3,4',5-TriCB	39	—	nd	0.747	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	54.3	0.747	81.45	2.82	0.02
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	26.1	0.747	39.15	1.35	0.01
2,2',3,5-TeCB	43	—	4.65	0.747	6.975	0.24	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	124	0.747	186	6.44	0.04
2,2',3,6-TeCB	45	45 + 51	21.7	0.747	32.55	1.13	0.01
2,2',3,6'-TeCB	46	—	6.79	0.747	10.185	0.35	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	20.2	0.747	30.3	1.05	0.01
2,2',4,5'-TeCB	49	49 + 69	57.7	0.747	86.55	3.00	0.02
2,2',4,6-TeCB	50	50 + 53	14.8	0.747	22.2	0.77	0.00
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	160	0.747	240	8.31	0.05
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	0.782	0.747	1.173	0.04	0.00
2,3,3',4-TeCB	55	—	3.71	1.32	5.565	0.19	0.00
2,3,3',4'-TeCB	56	—	61.9	1.29	92.85	3.21	0.02
2,3,3',5-TeCB	57	—	nd	1.22	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.23	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	8.74	0.747	13.11	0.45	0.00
2,3,4,4'-TeCB	60	—	31.6	1.31	47.4	1.64	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	258	1.23	387	13.39	0.08
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	4.18	1.19	6.27	0.22	0.00
2,3,4',6-TeCB	64	—	42.3	0.747	63.45	2.20	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	111	1.22	166.5	5.76	0.04
2,3',4,5-TeCB	67	—	4	1.08	6	0.21	0.00
2,3',4,5'-TeCB	68	—	4.05	1.21	6.075	0.21	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.16	—	—	—
2,3',5',6-TeCB	73	—	1.43	0.747	2.145	0.07	0.00
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	42.5	1.23	63.75	2.21	0.01
3,3',4,5-TeCB	78	—	nd	1.28	—	—	—
3,3',4,5'-TeCB	79	—	3.68	1.04	5.52	0.19	0.00
3,3',5,5'-TeCB	80	—	nd	1.15	—	—	—
3,4,4',5-TeCB	81	—	4.18	1.18	6.27	0.22	0.00
2,2',3,3',4-PeCB	82	—	41.8	0.747	62.7	2.17	0.01
2,2',3,3',5-PeCB	83	83 + 99	155	0.747	232.5	8.05	0.05
2,2',3,3',6-PeCB	84	—	72.9	0.747	109.35	3.78	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	60.6	0.747	90.9	3.15	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	253	0.747	379.5	13.13	0.08
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	33.3	0.747	49.95	1.73	0.01
2,2',3,4,6'-PeCB	89	—	2.73	0.747	4.095	0.14	0.00
2,2',3,4',5-PeCB	90	90 + 101 + 113	293	0.747	439.5	15.21	0.09

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	52.4	0.747	78.6	2.72	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	207	0.747	310.5	10.75	0.07
2,2',3,5,6'-PeCB	94	—	1.62	0.747	2.43	0.08	0.00
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	2.15	0.747	3.225	0.11	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	0.925	0.747	1.3875	0.05	0.00
2,2',4,6,6'-PeCB	104	—	nd	0.747	—	—	—
2,3,3',4,4'-PeCB	105	—	191	2.11	286.5	9.91	0.06
2,3,3',4,5-PeCB	106	—	nd	2.15	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	14.9	2.36	22.35	0.77	0.00
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	27.1	2.12	40.65	1.41	0.01
2,3,3',4',6-PeCB	110	110 + 115	378	0.747	567	19.62	0.12
2,3,3',5,5'-PeCB	111	—	nd	0.747	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.747	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	12.3	2.16	18.45	0.64	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	355	2.1	532.5	18.43	0.11
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	1.07	0.747	1.605	0.06	0.00

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.747	—	—	—
2',3,3',4,5-PeCB	122	—	5.63	2.46	8.445	0.29	0.00
2',3,4,4',5-PeCB	123	—	11.1	2.25	16.65	0.58	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	11.5	2.42	17.25	0.60	0.00
3,3',4,5,5'-PeCB	127	—	nd	2.36	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	113	1.7	169.5	5.87	0.04
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	524	1.71	786	27.20	0.17
2,2',3,3',4,5'-HxCB	130	—	31.8	2.07	47.7	1.65	0.01
2,2',3,3',4,6-HxCB	131	—	4.49	1.9	6.735	0.23	0.00
2,2',3,3',4,6'-HxCB	132	—	146	2	219	7.58	0.05
2,2',3,3',5,5'-HxCB	133	—	6.44	1.81	9.66	0.33	0.00
2,2',3,3',5,6-HxCB	134	134 + 143	19.2	1.89	28.8	1.00	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	116	0.747	174	6.02	0.04
2,2',3,3',6,6'-HxCB	136	—	36.3	0.747	54.45	1.88	0.01
2,2',3,4,4',5-HxCB	137	—	25.6	2	38.4	1.33	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	8.54	1.78	12.81	0.44	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	88.4	1.85	132.6	4.59	0.03
2,2',3,4,5,6-HxCB	142	—	nd	1.93	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	18.5	0.747	27.75	0.96	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	0.747	—	—	—
2,2',3,4',5,5'-HxCB	146	—	116	1.68	174	6.02	0.04
2,2',3,4',5,6-HxCB	147	147 + 149	309	1.73	463.5	16.04	0.10
2,2',3,4',5,6'-HxCB	148	—	0.906	0.747	1.359	0.05	0.00
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	1.47	0.747	2.205	0.08	0.00

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.747	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	375	1.49	562.5	19.47	0.12
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	1.58	0.747	2.37	0.08	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	84.4	1.75	126.6	4.38	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	58.3	1.39	87.45	3.03	0.02
2,3,3',4,5,5'-HxCB	159	—	8.48	1.47	12.72	0.44	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.37	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.59	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	35.2	1.47	52.8	1.83	0.01
2,3,3',5,5',6-HxCB	165	—	nd	1.6	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	29.7	1.28	44.55	1.54	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	2.84	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	168	0.747	252	8.72	0.05
2,2',3,3',4,4',6-HpCB	171	171 + 173	43.8	0.747	65.7	2.27	0.01
2,2',3,3',4,5,5'-HpCB	172	—	46.1	0.747	69.15	2.39	0.01
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	159	0.747	238.5	8.25	0.05
2,2',3,3',4,5',6-HpCB	175	—	14	0.747	21	0.73	0.00
2,2',3,3',4,6,6'-HpCB	176	—	20.5	0.747	30.75	1.06	0.01
2,2',3,3',4',5,6-HpCB	177	—	87.8	0.747	131.7	4.56	0.03
2,2',3,3',5,5',6-HpCB	178	—	43.6	0.747	65.4	2.26	0.01
2,2',3,3',5,6,6'-HpCB	179	—	55.3	0.747	82.95	2.87	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	380	0.747	570	19.73	0.12

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG37749	**Total Volume (mL)**	1500
KC Sample ID	L53760-1	**Days**	28.90
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	2.03	0.747	3.045	0.11	0.00
2,2',3,4,4',5,6'-HpCB	182	—	7.78	0.747	11.67	0.40	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	145	0.747	217.5	7.53	0.05
2,2',3,4,4',6,6'-HpCB	184	—	2.8	0.747	4.2	0.15	0.00
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.747	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	258	0.747	387	13.39	0.08
2,2',3,4',5,6,6'-HpCB	188	—	4.51	0.747	6.765	0.23	0.00
2,3,3',4,4',5,5'-HpCB	189	—	10.7	0.747	16.05	0.56	0.00
2,3,3',4,4',5,6-HpCB	190	—	32.4	0.747	48.6	1.68	0.01
2,3,3',4,4',5',6-HpCB	191	—	8.22	0.747	12.33	0.43	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	0.747	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	152	0.747	228	7.89	0.05
2,2',3,3',4,4',5,6-OcCB	195	—	37	0.747	55.5	1.92	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	120	0.747	180	6.23	0.04
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	32.6	0.747	48.9	1.69	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	290	0.747	435	15.05	0.09
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	53.8	0.747	80.7	2.79	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	92.3	0.747	138.45	4.79	0.03
2,2',3,4,4',5,5',6-OcCB	203	—	159	0.747	238.5	8.25	0.05
2,2',3,4,4',5,6,6'-OcCB	204	—	2.67	0.747	4.005	0.14	0.00
2,3,3',4,4',5,5',6-OcCB	205	—	7.55	0.747	11.325	0.39	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	202	1.06	303	10.49	0.06
2,2',3,3',4,4',5,6,6'-NoCB	207	—	38.7	0.904	58.05	2.01	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	85.8	0.884	128.7	4.45	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	32.1	0.747	48.15	1.67	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	8.21	0.477	27.914	3.48	0.02
3-MoCB	2	—	3.06	0.471	10.404	1.30	0.01
4-MoCB	3	—	12	0.471	40.8	5.09	0.03
2,2'-DiCB	4	—	16.6	0.991	56.44	7.04	0.04
2,3-DiCB	5	—	0.957	0.625	3.2538	0.41	0.00
2,3'-DiCB	6	—	6.18	0.552	21.012	2.62	0.02
2,4-DiCB	7	—	3.31	0.571	11.254	1.40	0.01
2,4'-DiCB	8	—	33.2	0.511	112.88	14.07	0.09
2,5-DiCB	9	—	1.92	0.551	6.528	0.81	0.00
2,6-DiCB	10	—	0.582	0.545	1.9788	0.25	0.00
3,3'-DiCB	11	—	112	0.552	380.8	47.48	0.29
3,4-DiCB	12	12 + 13	4.14	0.558	14.076	1.75	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.545	—	—	—
4,4'-DiCB	15	—	25.2	0.522	85.68	10.68	0.07
2,2',3-TriCB	16	—	12.1	0.507	41.14	5.13	0.03
2,2',4-TriCB	17	—	10.2	0.471	34.68	4.32	0.03
2,2',5-TriCB	18	18 + 30	23.4	0.471	79.56	9.92	0.06
2,2',6-TriCB	19	—	10.1	0.542	34.34	4.28	0.03
2,3,3'-TriCB	20	20 + 28	40	0.471	136	16.96	0.10
2,3,4-TriCB	21	21 + 33	18.7	0.471	63.58	7.93	0.05
2,3,4'-TriCB	22	—	13.4	0.471	45.56	5.68	0.03
2,3,5-TriCB	23	—	5.72	0.471	19.448	2.42	0.01
2,3,6-TriCB	24	—	nd	0.471	—	—	—
2,3',4-TriCB	25	—	2.55	0.471	8.67	1.08	0.01
2,3',5-TriCB	26	26 + 29	6.05	0.471	20.57	2.56	0.02
2,3',6-TriCB	27	—	1.8	0.471	6.12	0.76	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	33.3	0.471	113.22	14.12	0.09
2,4',6-TriCB	32	—	7.51	0.471	25.534	3.18	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	6.33	0.471	21.522	2.68	0.02
3,3',4-TriCB	35	—	3.75	0.471	12.75	1.59	0.01
3,3',5-TriCB	36	—	0.553	0.471	1.8802	0.23	0.00
3,4,4'-TriCB	37	—	19.7	0.471	66.98	8.35	0.05
3,4,5-TriCB	38	—	nd	0.471	—	—	—
3,4',5-TriCB	39	—	nd	0.471	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	21.1	0.767	71.74	8.94	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	7.41	0.772	25.194	3.14	0.02
2,2',3,5-TeCB	43	—	nd	0.938	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	46.9	0.689	159.46	19.88	0.12
2,2',3,6-TeCB	45	45 + 51	7.24	0.742	24.616	3.07	0.02
2,2',3,6'-TeCB	46	—	1.67	0.847	5.678	0.71	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	6.48	0.739	22.032	2.75	0.02
2,2',4,5'-TeCB	49	49 + 69	24.3	0.634	82.62	10.30	0.06
2,2',4,6-TeCB	50	50 + 53	5.05	0.718	17.17	2.14	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	59	0.675	200.6	25.01	0.15
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	7.16	0.597	24.344	3.04	0.02
2,3,3',4-TeCB	55	—	nd	0.698	—	—	—
2,3,3',4'-TeCB	56	—	19.6	0.723	66.64	8.31	0.05
2,3,3',5-TeCB	57	—	nd	0.684	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.706	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	2.22	0.579	7.548	0.94	0.01
2,3,4,4'-TeCB	60	—	8.44	0.705	28.696	3.58	0.02

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	82.5	0.674	280.5	34.97	0.21
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	1.37	0.649	4.658	0.58	0.00
2,3,4',6-TeCB	64	—	15.2	0.585	51.68	6.44	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	33.4	0.646	113.56	14.16	0.09
2,3',4,5-TeCB	67	—	2.74	0.614	9.316	1.16	0.01
2,3',4,5'-TeCB	68	—	1.45	0.651	4.93	0.61	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.653	—	—	—
2,3',5',6-TeCB	73	—	nd	0.551	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	16.8	0.649	57.12	7.12	0.04
3,3',4,5-TeCB	78	—	nd	0.661	—	—	—
3,3',4,5'-TeCB	79	—	1.78	0.562	6.052	0.75	0.00
3,3',5,5'-TeCB	80	—	nd	0.621	—	—	—
3,4,4',5-TeCB	81	—	4.29	0.687	14.586	1.82	0.01
2,2',3,3',4-PeCB	82	—	16.7	1.13	56.78	7.08	0.04
2,2',3,3',5-PeCB	83	83 + 99	56.8	1.05	193.12	24.08	0.15
2,2',3,3',6-PeCB	84	—	28.3	1.24	96.22	12.00	0.07
2,2',3,4,4'-PeCB	85	85 + 116 + 117	20.7	0.878	70.38	8.77	0.05
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	99.6	0.935	338.64	42.22	0.26
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	13.6	1.09	46.24	5.76	0.04
2,2',3,4,6'-PeCB	89	—	nd	1.13	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	116	0.964	394.4	49.17	0.30

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	20.1	1.08	68.34	8.52	0.05
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	87.1	1.07	296.14	36.92	0.22
2,2',3,5,6'-PeCB	94	—	nd	1.2	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	0.731	0.663	2.4854	0.31	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	0.969	—	—	—
2,2',4,6,6'-PeCB	104	—	5.23	0.642	17.782	2.22	0.01
2,3,3',4,4'-PeCB	105	—	67.9	0.84	230.86	28.78	0.18
2,3,3',4,5-PeCB	106	—	nd	0.807	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	6.04	0.869	20.536	2.56	0.02
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	11.4	0.768	38.76	4.83	0.03
2,3,3',4',6-PeCB	110	110 + 115	150	0.805	510	63.58	0.39
2,3,3',5,5'-PeCB	111	—	nd	0.804	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.833	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	4.72	0.803	16.048	2.00	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	138	0.796	469.2	58.50	0.36
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.734	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.838	—	—	—
2',3,3',4,5-PeCB	122	—	1.72	0.893	5.848	0.73	0.00
2',3,4,4',5-PeCB	123	—	4.74	0.858	16.116	2.01	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	5.88	0.887	19.992	2.49	0.02
3,3',4,5,5'-PeCB	127	—	nd	0.808	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	35.8	1.04	121.72	15.18	0.09
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	223	1.06	758.2	94.53	0.58
2,2',3,3',4,5'-HxCB	130	—	13.8	1.28	46.92	5.85	0.04
2,2',3,3',4,6-HxCB	131	—	2.04	1.23	6.936	0.86	0.01
2,2',3,3',4,6'-HxCB	132	—	62.1	1.26	211.14	26.32	0.16
2,2',3,3',5,5'-HxCB	133	—	2.79	1.21	9.486	1.18	0.01
2,2',3,3',5,6-HxCB	134	134 + 143	6.58	1.25	22.372	2.79	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	45.8	1.15	155.72	19.41	0.12
2,2',3,3',6,6'-HxCB	136	—	14.5	0.963	49.3	6.15	0.04
2,2',3,4,4',5-HxCB	137	—	11	1.21	37.4	4.66	0.03
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	2.94	1.13	9.996	1.25	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	40.6	1.23	138.04	17.21	0.10
2,2',3,4,5,6-HxCB	142	—	nd	1.2	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	7.73	1.16	26.282	3.28	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	1.03	—	—	—
2,2',3,4',5,5'-HxCB	146	—	97.9	1.07	332.86	41.50	0.25
2,2',3,4',5,6-HxCB	147	147 + 149	143	1.13	486.2	60.62	0.37
2,2',3,4',5,6'-HxCB	148	—	nd	1.19	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.991	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.938	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	184	0.972	625.6	78.00	0.48
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	4.76	0.8	16.184	2.02	0.01
2,3,3',4,4',5-HxCB	156	156 + 157	28.7	1.02	97.58	12.17	0.07
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	23.5	0.853	79.9	9.96	0.06
2,3,3',4,5,5'-HxCB	159	—	1.73	0.872	5.882	0.73	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	0.917	—	—	—
2,3,3',4',5,5'-HxCB	162	—	1.06	0.887	3.604	0.45	0.00
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	15.6	0.926	53.04	6.61	0.04
2,3,3',5,5',6-HxCB	165	—	nd	1.02	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	10.6	0.819	36.04	4.49	0.03
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	3.04	0.855	10.336	1.29	0.01
2,2',3,3',4,4',5-HpCB	170	—	59.1	0.923	200.94	25.05	0.15
2,2',3,3',4,4',6-HpCB	171	171 + 173	14.3	0.886	48.62	6.06	0.04
2,2',3,3',4,5,5'-HpCB	172	—	11	0.873	37.4	4.66	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	50.9	0.84	173.06	21.58	0.13
2,2',3,3',4,5',6-HpCB	175	—	2.56	0.818	8.704	1.09	0.01
2,2',3,3',4,6,6'-HpCB	176	—	5.78	0.681	19.652	2.45	0.01
2,2',3,3',4',5,6-HpCB	177	—	28.1	0.885	95.54	11.91	0.07
2,2',3,3',5,5',6-HpCB	178	—	11.4	0.874	38.76	4.83	0.03
2,2',3,3',5,6,6'-HpCB	179	—	15.2	0.651	51.68	6.44	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	130	0.776	442	55.11	0.34

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3400
KC Sample ID	L54175-14	**Days**	8.02
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	0.861	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	1.51	0.84	5.134	0.64	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	36.7	0.853	124.78	15.56	0.09
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.661	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.723	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	72.2	0.823	245.48	30.61	0.19
2,2',3,4',5,6,6'-HpCB	188	—	1.92	0.628	6.528	0.81	0.00
2,3,3',4,4',5,5'-HpCB	189	—	2.9	0.721	9.86	1.23	0.01
2,3,3',4,4',5,6-HpCB	190	—	11.9	0.674	40.46	5.04	0.03
2,3,3',4,4',5',6-HpCB	191	—	2.62	0.647	8.908	1.11	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	0.713	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	32.9	0.802	111.86	13.95	0.08
2,2',3,3',4,4',5,6-OcCB	195	—	12.5	0.864	42.5	5.30	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	18.9	0.816	64.26	8.01	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	5.18	0.589	17.612	2.20	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	39.3	0.809	133.62	16.66	0.10
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	4.54	0.592	15.436	1.92	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	7.77	0.663	26.418	3.29	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	24.3	0.792	82.62	10.30	0.06
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.599	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	2.32	0.704	7.888	0.98	0.01
2,2',3,3',4,4',5,5',6-NoCB	206	—	16.5	2.67	56.1	6.99	0.04
2,2',3,3',4,4',5,6,6'-NoCB	207	—	2.54	2.08	8.636	1.08	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	5.34	2.07	18.156	2.26	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	6.37	1.01	21.658	2.70	0.02

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3100				
KC Sample ID	L54175-15	**Days**	8.02		**Replicate of L54175-14**		
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2-MoCB	1	—	8.18	0.483	25.358	3.16	0.02
3-MoCB	2	—	3.4	0.483	10.54	1.31	0.01
4-MoCB	3	—	11.8	0.483	36.58	4.56	0.03
2,2'-DiCB	4	—	22.5	0.775	69.75	8.70	0.05
2,3-DiCB	5	—	1.59	0.551	4.929	0.61	0.00
2,3'-DiCB	6	—	10.6	0.487	32.86	4.10	0.02
2,4-DiCB	7	—	3.76	0.504	11.656	1.45	0.01
2,4'-DiCB	8	—	47.1	0.483	146.01	18.20	0.11
2,5-DiCB	9	—	3.85	0.486	11.935	1.49	0.01
2,6-DiCB	10	—	1.06	0.483	3.286	0.41	0.00
3,3'-DiCB	11	—	150	0.487	465	57.97	0.35
3,4-DiCB	12	12 + 13	6.83	0.493	21.173	2.64	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.483	—	—	—
4,4'-DiCB	15	—	23	0.483	71.3	8.89	0.05
2,2',3-TriCB	16	—	19.9	0.483	61.69	7.69	0.05
2,2',4-TriCB	17	—	17.7	0.483	54.87	6.84	0.04
2,2',5-TriCB	18	18 + 30	30.7	0.483	95.17	11.87	0.07
2,2',6-TriCB	19	—	7.1	0.483	22.01	2.74	0.02
2,3,3'-TriCB	20	20 + 28	45.9	0.483	142.29	17.74	0.11
2,3,4-TriCB	21	21 + 33	25.3	0.483	78.43	9.78	0.06
2,3,4'-TriCB	22	—	19.8	0.483	61.38	7.65	0.05
2,3,5-TriCB	23	—	nd	0.483	—	—	—
2,3,6-TriCB	24	—	0.533	0.483	1.6523	0.21	0.00
2,3',4-TriCB	25	—	3.09	0.483	9.579	1.19	0.01
2,3',5-TriCB	26	26 + 29	9.42	0.483	29.202	3.64	0.02
2,3',6-TriCB	27	—	2.73	0.483	8.463	1.06	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3100				
KC Sample ID	L54175-15	**Days**	8.02		**Replicate of L54175-14**		
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	38.5	0.483	119.35	14.88	0.09
2,4',6-TriCB	32	—	11.7	0.483	36.27	4.52	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.483	—	—	—
3,3',4-TriCB	35	—	4.08	0.483	12.648	1.58	0.01
3,3',5-TriCB	36	—	0.611	0.483	1.8941	0.24	0.00
3,4,4'-TriCB	37	—	16.7	0.483	51.77	6.45	0.04
3,4,5-TriCB	38	—	nd	0.483	—	—	—
3,4',5-TriCB	39	—	nd	0.483	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	21.1	0.777	65.41	8.16	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	9.43	0.781	29.233	3.64	0.02
2,2',3,5-TeCB	43	—	1.76	0.95	5.456	0.68	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	43.3	0.698	134.23	16.74	0.10
2,2',3,6-TeCB	45	45 + 51	7.71	0.752	23.901	2.98	0.02
2,2',3,6'-TeCB	46	—	2.51	0.858	7.781	0.97	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	9.1	0.749	28.21	3.52	0.02
2,2',4,5'-TeCB	49	49 + 69	19.3	0.642	59.83	7.46	0.05
2,2',4,6-TeCB	50	50 + 53	4.7	0.727	14.57	1.82	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	52.1	0.684	161.51	20.14	0.12
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.613	—	—	—
2,3,3',4-TeCB	55	—	nd	0.645	—	—	—
2,3,3',4'-TeCB	56	—	17.8	0.668	55.18	6.88	0.04
2,3,3',5-TeCB	57	—	nd	0.632	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.653	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	3.31	0.586	10.261	1.28	0.01
2,3,4,4'-TeCB	60	—	9.2	0.652	28.52	3.56	0.02

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3100				
KC Sample ID	L54175-15	**Days**	8.02		**Replicate of L54175-14**		
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	77.5	0.622	240.25	29.95	0.18
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	1.14	0.6	3.534	0.44	0.00
2,3,4',6-TeCB	64	—	16.9	0.592	52.39	6.53	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	28.4	0.597	88.04	10.98	0.07
2,3',4,5-TeCB	67	—	2.47	0.568	7.657	0.95	0.01
2,3',4,5'-TeCB	68	—	1.2	0.602	3.72	0.46	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.603	—	—	—
2,3',5',6-TeCB	73	—	nd	0.558	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	11.2	0.596	34.72	4.33	0.03
3,3',4,5-TeCB	78	—	nd	0.611	—	—	—
3,3',4,5'-TeCB	79	—	1.16	0.52	3.596	0.45	0.00
3,3',5,5'-TeCB	80	—	nd	0.573	—	—	—
3,4,4',5-TeCB	81	—	nd	0.633	—	—	—
2,2',3,3',4-PeCB	82	—	14.3	1.14	44.33	5.53	0.03
2,2',3,3',5-PeCB	83	83 + 99	44.9	1.06	139.19	17.35	0.11
2,2',3,3',6-PeCB	84	—	23.6	1.25	73.16	9.12	0.06
2,2',3,4,4'-PeCB	85	85 + 116 + 117	17.1	0.886	53.01	6.61	0.04
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	80.1	0.943	248.31	30.96	0.19
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	10.1	1.1	31.31	3.90	0.02
2,2',3,4,6'-PeCB	89	—	nd	1.14	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	97.4	0.973	301.94	37.64	0.23

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	Total Volume (mL)	3100				
KC Sample ID	L54175-15	Days	8.02			Replicate of L54175-14	
Collection Date	9/29/2011	Funnel Area (m^2)	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	16.1	1.09	49.91	6.22	0.04
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	68.2	1.08	211.42	26.36	0.16
2,2',3,5,6'-PeCB	94	—	nd	1.21	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.745	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	0.978	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	0.702	—	—	—
2,3,3',4,4'-PeCB	105	—	59.2	1.02	183.52	22.88	0.14
2,3,3',4,5-PeCB	106	—	nd	0.993	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	5.61	1.07	17.391	2.17	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	10.1	0.945	31.31	3.90	0.02
2,3,3',4',6-PeCB	110	110 + 115	128	0.813	396.8	49.47	0.30
2,3,3',5,5'-PeCB	111	—	nd	0.811	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.84	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	2.93	0.978	9.083	1.13	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	120	1	372	46.38	0.28
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	0.831	0.74	2.5761	0.32	0.00

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3100				
KC Sample ID	L54175-15	**Days**	8.02		**Replicate of L54175-14**		
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3',4,5',6-PeCB	121	—	nd	0.846	—	—	—
2',3,3',4,5-PeCB	122	—	1.42	1.1	4.402	0.55	0.00
2',3,4,4',5-PeCB	123	—	2.26	1.07	7.006	0.87	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	2.66	1.07	8.246	1.03	0.01
3,3',4,5,5'-PeCB	127	—	nd	0.995	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	31.4	1.27	97.34	12.14	0.07
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	207	1.3	641.7	80.00	0.49
2,2',3,3',4,5'-HxCB	130	—	12.7	1.57	39.37	4.91	0.03
2,2',3,3',4,6-HxCB	131	—	nd	1.51	—	—	—
2,2',3,3',4,6'-HxCB	132	—	56.8	1.55	176.08	21.95	0.13
2,2',3,3',5,5'-HxCB	133	—	1.96	1.48	6.076	0.76	0.00
2,2',3,3',5,6-HxCB	134	134 + 143	7.33	1.53	22.723	2.83	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	46.1	0.967	142.91	17.82	0.11
2,2',3,3',6,6'-HxCB	136	—	16.1	0.81	49.91	6.22	0.04
2,2',3,4,4',5-HxCB	137	—	9.54	1.49	29.574	3.69	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	2.64	1.38	8.184	1.02	0.01
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	41	1.51	127.1	15.85	0.10
2,2',3,4,5,6-HxCB	142	—	nd	1.47	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	6.71	0.973	20.801	2.59	0.02
2,2',3,4,6,6'-HxCB	145	—	nd	0.866	—	—	—
2,2',3,4',5,5'-HxCB	146	—	88.9	1.32	275.59	34.36	0.21
2,2',3,4',5,6-HxCB	147	147 + 149	152	1.38	471.2	58.75	0.36
2,2',3,4',5,6'-HxCB	148	—	nd	1	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.833	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3100				
KC Sample ID	L54175-15	**Days**	8.02		**Replicate of L54175-14**		
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.789	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	181	1.19	561.1	69.96	0.43
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	0.77	0.672	2.387	0.30	0.00
2,3,3',4,4',5-HxCB	156	156 + 157	26.5	1.26	82.15	10.24	0.06
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	21.3	1.05	66.03	8.23	0.05
2,3,3',4,5,5'-HxCB	159	—	2.69	1.07	8.339	1.04	0.01
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.12	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.09	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	15.9	1.14	49.29	6.15	0.04
2,3,3',5,5',6-HxCB	165	—	nd	1.25	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	9.69	1.01	30.039	3.75	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.04	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	62.1	0.758	192.51	24.00	0.15
2,2',3,3',4,4',6-HpCB	171	171 + 173	17.3	0.745	53.63	6.69	0.04
2,2',3,3',4,5,5'-HpCB	172	—	12.1	0.734	37.51	4.68	0.03
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	60.9	0.706	188.79	23.54	0.14
2,2',3,3',4,5',6-HpCB	175	—	3.22	0.687	9.982	1.24	0.01
2,2',3,3',4,6,6'-HpCB	176	—	6.79	0.572	21.049	2.62	0.02
2,2',3,3',4',5,6-HpCB	177	—	33	0.744	102.3	12.75	0.08
2,2',3,3',5,5',6-HpCB	178	—	11.8	0.734	36.58	4.56	0.03
2,2',3,3',5,6,6'-HpCB	179	—	18.8	0.547	58.28	7.27	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	139	0.638	430.9	53.72	0.33

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	3100				
KC Sample ID	L54175-15	**Days**	8.02		**Replicate of L54175-14**		
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4,4',5,6-HpCB	181	—	nd	0.723	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	0.742	0.705	2.3002	0.29	0.00
2,2',3,4,4',5',6-HpCB	183	183 + 185	40	0.717	124	15.46	0.09
2,2',3,4,4',6,6'-HpCB	184	—	0.958	0.555	2.9698	0.37	0.00
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.608	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	81	0.692	251.1	31.31	0.19
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.523	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	2.65	0.683	8.215	1.02	0.01
2,3,3',4,4',5,6-HpCB	190	—	13.2	0.566	40.92	5.10	0.03
2,3,3',4,4',5',6-HpCB	191	—	2.45	0.544	7.595	0.95	0.01
2,3,3',4,5,5',6-HpCB	192	—	nd	0.599	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	34.4	0.702	106.64	13.30	0.08
2,2',3,3',4,4',5,6-OcCB	195	—	13.3	0.757	41.23	5.14	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	20	0.729	62	7.73	0.05
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	4.84	0.526	15.004	1.87	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	40	0.722	124	15.46	0.09
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	4.43	0.529	13.733	1.71	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	7.22	0.585	22.382	2.79	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	25.7	0.707	79.67	9.93	0.06
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.535	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	1.63	0.623	5.053	0.63	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	12.8	2.63	39.68	4.95	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	2.34	2.06	7.254	0.90	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	4.55	2.05	14.105	1.76	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	4.38	0.868	13.578	1.69	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	6.94	0.473	18.738	0.94	0.03
3-MoCB	2	—	3.16	0.473	8.532	0.43	0.01
4-MoCB	3	—	12.7	0.473	34.29	1.72	0.05
2,2'-DiCB	4	—	23.9	0.758	64.53	3.25	0.09
2,3-DiCB	5	—	1.41	0.542	3.807	0.19	0.01
2,3'-DiCB	6	—	10.5	0.491	28.35	1.43	0.04
2,4-DiCB	7	—	3.81	0.501	10.287	0.52	0.01
2,4'-DiCB	8	—	45.7	0.473	123.39	6.21	0.17
2,5-DiCB	9	—	3.51	0.493	9.477	0.48	0.01
2,6-DiCB	10	—	0.997	0.51	2.6919	0.14	0.00
3,3'-DiCB	11	—	47.9	0.528	129.33	6.50	0.18
3,4-DiCB	12	12 + 13	3.31	0.525	8.937	0.45	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.501	—	—	—
4,4'-DiCB	15	—	17.1	0.544	46.17	2.32	0.06
2,2',3-TriCB	16	—	17.3	0.569	46.71	2.35	0.06
2,2',4-TriCB	17	—	15.7	0.491	42.39	2.13	0.06
2,2',5-TriCB	18	18 + 30	23.7	0.473	63.99	3.22	0.09
2,2',6-TriCB	19	—	4.68	0.508	12.636	0.64	0.02
2,3,3'-TriCB	20	20 + 28	29.9	0.473	80.73	4.06	0.11
2,3,4-TriCB	21	21 + 33	17	0.473	45.9	2.31	0.06
2,3,4'-TriCB	22	—	11	0.473	29.7	1.49	0.04
2,3,5-TriCB	23	—	nd	0.473	—	—	—
2,3,6-TriCB	24	—	0.767	0.473	2.0709	0.10	0.00
2,3',4-TriCB	25	—	2.34	0.473	6.318	0.32	0.01
2,3',5-TriCB	26	26 + 29	5.56	0.473	15.012	0.76	0.02
2,3',6-TriCB	27	—	2.39	0.473	6.453	0.32	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	25.5	0.473	68.85	3.46	0.09
2,4',6-TriCB	32	—	9.15	0.473	24.705	1.24	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.473	—	—	—
3,3',4-TriCB	35	—	1.76	0.473	4.752	0.24	0.01
3,3',5-TriCB	36	—	nd	0.473	—	—	—
3,4,4'-TriCB	37	—	5.65	0.473	15.255	0.77	0.02
3,4,5-TriCB	38	—	nd	0.473	—	—	—
3,4',5-TriCB	39	—	0.625	0.473	1.6875	0.08	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	9.17	0.724	24.759	1.25	0.03
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	4.3	0.719	11.61	0.58	0.02
2,2',3,5-TeCB	43	—	nd	0.847	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	26.6	0.668	71.82	3.61	0.10
2,2',3,6-TeCB	45	45 + 51	6.6	0.727	17.82	0.90	0.02
2,2',3,6'-TeCB	46	—	1.31	0.845	3.537	0.18	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	3.46	0.718	9.342	0.47	0.01
2,2',4,5'-TeCB	49	49 + 69	13.1	0.622	35.37	1.78	0.05
2,2',4,6-TeCB	50	50 + 53	4.42	0.717	11.934	0.60	0.02
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	31.1	0.685	83.97	4.22	0.12
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.573	—	—	—
2,3,3',4-TeCB	55	—	nd	0.698	—	—	—
2,3,3',4'-TeCB	56	—	5.32	0.736	14.364	0.72	0.02
2,3,3',5-TeCB	57	—	nd	0.664	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.704	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	1.43	0.554	3.861	0.19	0.01
2,3,4,4'-TeCB	60	—	2.71	0.688	7.317	0.37	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	26	0.68	70.2	3.53	0.10
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.646	—	—	—
2,3,4',6-TeCB	64	—	7.08	0.531	19.116	0.96	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	10.6	0.673	28.62	1.44	0.04
2,3',4,5-TeCB	67	—	nd	0.61	—	—	—
2,3',4,5'-TeCB	68	—	0.919	0.651	2.4813	0.12	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.643	—	—	—
2,3',5',6-TeCB	73	—	nd	0.566	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	2.85	0.695	7.695	0.39	0.01
3,3',4,5-TeCB	78	—	nd	0.66	—	—	—
3,3',4,5'-TeCB	79	—	0.605	0.577	1.6335	0.08	0.00
3,3',5,5'-TeCB	80	—	nd	0.636	—	—	—
3,4,4',5-TeCB	81	—	nd	0.72	—	—	—
2,2',3,3',4-PeCB	82	—	5.2	1.26	14.04	0.71	0.02
2,2',3,3',5-PeCB	83	83 + 99	19.6	1.21	52.92	2.66	0.07
2,2',3,3',6-PeCB	84	—	11.1	1.31	29.97	1.51	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	5.87	0.981	15.849	0.80	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	30.4	1.03	82.08	4.13	0.11
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	4.63	1.14	12.501	0.63	0.02
2,2',3,4,6'-PeCB	89	—	nd	1.23	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	38.3	1.08	103.41	5.20	0.14

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	7.56	1.18	20.412	1.03	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	29.7	1.11	80.19	4.03	0.11
2,2',3,5,6'-PeCB	94	—	nd	1.23	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.826	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.01	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	0.658	—	—	—
2,3,3',4,4'-PeCB	105	—	14.3	0.688	38.61	1.94	0.05
2,3,3',4,5-PeCB	106	—	nd	0.63	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	1.3	0.703	3.51	0.18	0.00
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	2.35	0.625	6.345	0.32	0.01
2,3,3',4',6-PeCB	110	110 + 115	42.9	0.886	115.83	5.83	0.16
2,3,3',5,5'-PeCB	111	—	nd	0.903	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.893	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	0.868	0.655	2.3436	0.12	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	34.1	0.667	92.07	4.63	0.13
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.845	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.927	—	—	—
2',3,3',4,5-PeCB	122	—	nd	0.724	—	—	—
2',3,4,4',5-PeCB	123	—	0.818	0.724	2.2086	0.11	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	0.715	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	0.648	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	6.98	1.17	18.846	0.95	0.03
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	45.1	1.13	121.77	6.12	0.17
2,2',3,3',4,5'-HxCB	130	—	2.44	1.38	6.588	0.33	0.01
2,2',3,3',4,6-HxCB	131	—	nd	1.41	—	—	—
2,2',3,3',4,6'-HxCB	132	—	13.3	1.43	35.91	1.81	0.05
2,2',3,3',5,5'-HxCB	133	—	nd	1.3	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	2.06	1.39	5.562	0.28	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	14.4	1.15	38.88	1.96	0.05
2,2',3,3',6,6'-HxCB	136	—	5	0.95	13.5	0.68	0.02
2,2',3,4,4',5-HxCB	137	—	1.95	1.27	5.265	0.26	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.26	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	7.88	1.21	21.276	1.07	0.03
2,2',3,4,5,6-HxCB	142	—	nd	1.4	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	2.23	1.13	6.021	0.30	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	1.01	—	—	—
2,2',3,4',5,5'-HxCB	146	—	6.68	1.16	18.036	0.91	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	29.2	1.27	78.84	3.97	0.11
2,2',3,4',5,6'-HxCB	148	—	nd	1.19	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.958	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.913	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	36.2	1.04	97.74	4.92	0.13
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	0.69	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	6.32	1.17	17.064	0.86	0.02
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	4.38	0.921	11.826	0.59	0.02
2,3,3',4,5,5'-HxCB	159	—	nd	1	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	0.959	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.03	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	3.41	1.01	9.207	0.46	0.01
2,3,3',5,5',6-HxCB	165	—	nd	1.11	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	2.18	0.97	5.886	0.30	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.03	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	12.3	0.758	33.21	1.67	0.05
2,2',3,3',4,4',6-HpCB	171	171 + 173	5.14	0.91	13.878	0.70	0.02
2,2',3,3',4,5,5'-HpCB	172	—	2.62	0.902	7.074	0.36	0.01
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	17.4	0.875	46.98	2.36	0.06
2,2',3,3',4,5',6-HpCB	175	—	nd	0.818	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	1.55	0.634	4.185	0.21	0.01
2,2',3,3',4',5,6-HpCB	177	—	8.77	0.911	23.679	1.19	0.03
2,2',3,3',5,5',6-HpCB	178	—	2.5	0.834	6.75	0.34	0.01
2,2',3,3',5,6,6'-HpCB	179	—	5.1	0.616	13.77	0.69	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	31.2	0.625	84.24	4.24	0.12

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700
KC Sample ID	L54294-12	**Days**	19.88
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	0.883	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	0.841	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	11.8	0.831	31.86	1.60	0.04
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.615	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.666	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	20.4	0.801	55.08	2.77	0.08
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.534	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	1.01	0.541	2.727	0.14	0.00
2,3,3',4,4',5,6-HpCB	190	—	3.43	0.659	9.261	0.47	0.01
2,3,3',4,4',5',6-HpCB	191	—	nd	0.701	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	0.746	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	7.9	0.553	21.33	1.07	0.03
2,2',3,3',4,4',5,6-OcCB	195	—	2.43	0.57	6.561	0.33	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	5.96	0.694	16.092	0.81	0.02
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	1.54	0.564	4.158	0.21	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	14.8	0.751	39.96	2.01	0.05
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	2.11	0.566	5.697	0.29	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	2.44	0.504	6.588	0.33	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	9.26	0.676	25.002	1.26	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.574	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	0.584	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	6.34	2.12	17.118	0.86	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	1.65	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	2.57	1.77	6.939	0.35	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.01	0.736	8.127	0.41	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88			**Replicate of L54294-12**	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2-MoCB	1	—	6.28	0.483	16.956	0.85	0.02
3-MoCB	2	—	3.12	0.483	8.424	0.42	0.01
4-MoCB	3	—	11.3	0.483	30.51	1.53	0.04
2,2'-DiCB	4	—	21.4	0.971	57.78	2.91	0.08
2,3-DiCB	5	—	1.11	0.651	2.997	0.15	0.00
2,3'-DiCB	6	—	8.71	0.589	23.517	1.18	0.03
2,4-DiCB	7	—	5.73	0.602	15.471	0.78	0.02
2,4'-DiCB	8	—	39.3	0.546	106.11	5.34	0.15
2,5-DiCB	9	—	3.18	0.592	8.586	0.43	0.01
2,6-DiCB	10	—	0.871	0.613	2.3517	0.12	0.00
3,3'-DiCB	11	—	50.4	0.634	136.08	6.84	0.19
3,4-DiCB	12	12 + 13	2.98	0.631	8.046	0.40	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.602	—	—	—
4,4'-DiCB	15	—	14.3	0.635	38.61	1.94	0.05
2,2',3-TriCB	16	—	18	0.636	48.6	2.44	0.07
2,2',4-TriCB	17	—	14.7	0.549	39.69	2.00	0.05
2,2',5-TriCB	18	18 + 30	27.9	0.483	75.33	3.79	0.10
2,2',6-TriCB	19	—	4.84	0.615	13.068	0.66	0.02
2,3,3'-TriCB	20	20 + 28	28.4	0.483	76.68	3.86	0.11
2,3,4-TriCB	21	21 + 33	17.4	0.483	46.98	2.36	0.06
2,3,4'-TriCB	22	—	12.1	0.483	32.67	1.64	0.04
2,3,5-TriCB	23	—	nd	0.483	—	—	—
2,3,6-TriCB	24	—	0.539	0.483	1.4553	0.07	0.00
2,3',4-TriCB	25	—	2.4	0.483	6.48	0.33	0.01
2,3',5-TriCB	26	26 + 29	5.42	0.483	14.634	0.74	0.02
2,3',6-TriCB	27	—	2.25	0.483	6.075	0.31	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88			**Replicate of L54294-12**	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	25.2	0.483	68.04	3.42	0.09
2,4',6-TriCB	32	—	7.93	0.483	21.411	1.08	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.483	—	—	—
3,3',4-TriCB	35	—	1.66	0.483	4.482	0.23	0.01
3,3',5-TriCB	36	—	nd	0.483	—	—	—
3,4,4'-TriCB	37	—	7.13	0.483	19.251	0.97	0.03
3,4,5-TriCB	38	—	nd	0.483	—	—	—
3,4',5-TriCB	39	—	nd	0.483	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	11.6	0.66	31.32	1.58	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	5.46	0.656	14.742	0.74	0.02
2,2',3,5-TeCB	43	—	nd	0.772	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	28.1	0.609	75.87	3.82	0.10
2,2',3,6-TeCB	45	45 + 51	6.07	0.662	16.389	0.82	0.02
2,2',3,6'-TeCB	46	—	1.56	0.77	4.212	0.21	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	4.63	0.654	12.501	0.63	0.02
2,2',4,5'-TeCB	49	49 + 69	13	0.567	35.1	1.77	0.05
2,2',4,6-TeCB	50	50 + 53	3.85	0.653	10.395	0.52	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	33.7	0.625	90.99	4.58	0.13
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.523	—	—	—
2,3,3',4-TeCB	55	—	nd	0.673	—	—	—
2,3,3',4'-TeCB	56	—	6.34	0.71	17.118	0.86	0.02
2,3,3',5-TeCB	57	—	nd	0.64	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.679	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	1.82	0.505	4.914	0.25	0.01
2,3,4,4'-TeCB	60	—	3.14	0.664	8.478	0.43	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88		**Replicate of L54294-12**		
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	31.7	0.655	85.59	4.30	0.12
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.623	—	—	—
2,3,4',6-TeCB	64	—	8.82	0.484	23.814	1.20	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	11.9	0.649	32.13	1.62	0.04
2,3',4,5-TeCB	67	—	nd	0.588	—	—	—
2,3',4,5'-TeCB	68	—	1.32	0.628	3.564	0.18	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.62	—	—	—
2,3',5',6-TeCB	73	—	nd	0.516	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	3.74	0.672	10.098	0.51	0.01
3,3',4,5-TeCB	78	—	nd	0.636	—	—	—
3,3',4,5'-TeCB	79	—	nd	0.556	—	—	—
3,3',5,5'-TeCB	80	—	nd	0.613	—	—	—
3,4,4',5-TeCB	81	—	0.986	0.692	2.6622	0.13	0.00
2,2',3,3',4-PeCB	82	—	5.92	1.02	15.984	0.80	0.02
2,2',3,3',5-PeCB	83	83 + 99	23.4	0.973	63.18	3.18	0.09
2,2',3,3',6-PeCB	84	—	11.1	1.05	29.97	1.51	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	8.68	0.788	23.436	1.18	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	36.4	0.827	98.28	4.94	0.14
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	5.36	0.919	14.472	0.73	0.02
2,2',3,4,6'-PeCB	89	—	nd	0.985	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	47.6	0.871	128.52	6.46	0.18

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88			**Replicate of L54294-12**	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	8.33	0.95	22.491	1.13	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	34.4	0.89	92.88	4.67	0.13
2,2',3,5,6'-PeCB	94	—	nd	0.987	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.734	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	0.808	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	0.569	—	—	—
2,3,3',4,4'-PeCB	105	—	21.8	0.758	58.86	2.96	0.08
2,3,3',4,5-PeCB	106	—	nd	0.703	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	1.8	0.784	4.86	0.24	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	2.76	0.696	7.452	0.37	0.01
2,3,3',4',6-PeCB	110	110 + 115	57.2	0.711	154.44	7.77	0.21
2,3,3',5,5'-PeCB	111	—	nd	0.725	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.717	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	1.37	0.74	3.699	0.19	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	45.7	0.754	123.39	6.21	0.17
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.679	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88		**Replicate of L54294-12**		
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3',4,5',6-PeCB	121	—	nd	0.745	—	—	—
2',3,3',4,5-PeCB	122	—	nd	0.807	—	—	—
2',3,4,4',5-PeCB	123	—	1.34	0.811	3.618	0.18	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	1.8	0.846	4.86	0.24	0.01
3,3',4,5,5'-PeCB	127	—	nd	0.723	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	9.18	1.09	24.786	1.25	0.03
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	56.5	1.06	152.55	7.67	0.21
2,2',3,3',4,5'-HxCB	130	—	3.3	1.29	8.91	0.45	0.01
2,2',3,3',4,6-HxCB	131	—	nd	1.32	—	—	—
2,2',3,3',4,6'-HxCB	132	—	16.8	1.34	45.36	2.28	0.06
2,2',3,3',5,5'-HxCB	133	—	nd	1.22	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	2.26	1.3	6.102	0.31	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	19	1.02	51.3	2.58	0.07
2,2',3,3',6,6'-HxCB	136	—	6.16	0.849	16.632	0.84	0.02
2,2',3,4,4',5-HxCB	137	—	2.71	1.19	7.317	0.37	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.18	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	11	1.13	29.7	1.49	0.04
2,2',3,4,5,6-HxCB	142	—	nd	1.31	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	2.53	1.01	6.831	0.34	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	0.905	—	—	—
2,2',3,4',5,5'-HxCB	146	—	9.14	1.09	24.678	1.24	0.03
2,2',3,4',5,6-HxCB	147	147 + 149	35.3	1.19	95.31	4.79	0.13
2,2',3,4',5,6'-HxCB	148	—	nd	1.07	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.857	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88		**Replicate of L54294-12**		
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.817	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	45.5	0.968	122.85	6.18	0.17
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	0.597	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	8.12	1.11	21.924	1.10	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	6.3	0.861	17.01	0.86	0.02
2,3,3',4,5,5'-HxCB	159	—	nd	0.936	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	0.896	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	0.963	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	3.66	0.943	9.882	0.50	0.01
2,3,3',5,5',6-HxCB	165	—	nd	1.04	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	3.1	0.913	8.37	0.42	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	0.973	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	19.5	0.664	52.65	2.65	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	7.13	0.773	19.251	0.97	0.03
2,2',3,3',4,5,5'-HpCB	172	—	4.77	0.766	12.879	0.65	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	24.4	0.743	65.88	3.31	0.09
2,2',3,3',4,5',6-HpCB	175	—	0.695	0.695	1.8765	0.09	0.00
2,2',3,3',4,6,6'-HpCB	176	—	2.57	0.538	6.939	0.35	0.01
2,2',3,3',4',5,6-HpCB	177	—	13.1	0.774	35.37	1.78	0.05
2,2',3,3',5,5',6-HpCB	178	—	4.46	0.709	12.042	0.61	0.02
2,2',3,3',5,6,6'-HpCB	179	—	7.39	0.524	19.953	1.00	0.03
2,2',3,4,4',5,5'-HpCB	180	180 + 193	45.7	0.522	123.39	6.21	0.17

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG38263	**Total Volume (mL)**	2700				
KC Sample ID	L54294-13	**Days**	19.88		**Replicate of L54294-12**		
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4,4',5,6-HpCB	181	—	nd	0.75	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	0.715	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	15.4	0.706	41.58	2.09	0.06
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.522	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.566	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	27.8	0.681	75.06	3.78	0.10
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.483	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	0.559	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	4.89	0.56	13.203	0.66	0.02
2,3,3',4,4',5',6-HpCB	191	—	1.25	0.595	3.375	0.17	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	0.634	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	10.3	0.483	27.81	1.40	0.04
2,2',3,3',4,4',5,6-OcCB	195	—	3.79	0.493	10.233	0.51	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	7.21	0.68	19.467	0.98	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	2.78	0.553	7.506	0.38	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	17.5	0.735	47.25	2.38	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	2.01	0.554	5.427	0.27	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	2.63	0.498	7.101	0.36	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	9.75	0.662	26.325	1.32	0.04
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.562	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	0.795	0.5	2.1465	0.11	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	5.51	2.23	14.877	0.75	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	1.72	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	1.84	1.83	4.968	0.25	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	2.56	0.636	6.912	0.35	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	10.3	1.53	12.36	0.88	0.02
3-MoCB	2	—	8.04	1.32	9.648	0.69	0.02
4-MoCB	3	—	19.1	0.979	22.92	1.64	0.04
2,2'-DiCB	4	—	10.8	3.06	12.96	0.93	0.03
2,3-DiCB	5	—	nd	2	—	—	—
2,3'-DiCB	6	—	6.43	1.75	7.716	0.55	0.02
2,4-DiCB	7	—	4.31	1.79	5.172	0.37	0.01
2,4'-DiCB	8	—	29.2	6.02	35.04	2.50	0.07
2,5-DiCB	9	—	2.48	1.74	2.976	0.21	0.01
2,6-DiCB	10	—	nd	1.73	—	—	—
3,3'-DiCB	11	—	83.9	7.84	100.68	7.20	0.20
3,4-DiCB	12	12 + 13	8.27	1.95	9.924	0.71	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	1.81	—	—	—
4,4'-DiCB	15	—	23.2	1.81	27.84	1.99	0.05
2,2',3-TriCB	16	—	12.1	1.17	14.52	1.04	0.03
2,2',4-TriCB	17	—	11.4	1.04	13.68	0.98	0.03
2,2',5-TriCB	18	18 + 30	28.6	3.73	34.32	2.45	0.07
2,2',6-TriCB	19	—	2.8	1.19	3.36	0.24	0.01
2,3,3'-TriCB	20	20 + 28	37.7	1.06	45.24	3.23	0.09
2,3,4-TriCB	21	21 + 33	25.2	1.02	30.24	2.16	0.06
2,3,4'-TriCB	22	—	17.1	1.19	20.52	1.47	0.04
2,3,5-TriCB	23	—	nd	1.05	—	—	—
2,3,6-TriCB	24	—	nd	0.742	—	—	—
2,3',4-TriCB	25	—	2.66	0.903	3.192	0.23	0.01
2,3',5-TriCB	26	26 + 29	6.9	1.03	8.28	0.59	0.02
2,3',6-TriCB	27	—	1.36	0.739	1.632	0.12	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	33.8	0.983	40.56	2.90	0.08
2,4',6-TriCB	32	—	7.79	0.964	9.348	0.67	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.04	—	—	—
3,3',4-TriCB	35	—	2.63	1.11	3.156	0.23	0.01
3,3',5-TriCB	36	—	nd	1.08	—	—	—
3,4,4'-TriCB	37	—	8.91	0.986	10.692	0.76	0.02
3,4,5-TriCB	38	—	nd	1.11	—	—	—
3,4',5-TriCB	39	—	nd	1.09	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	18.8	1.59	22.56	1.61	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	6.78	1.56	8.136	0.58	0.02
2,2',3,5-TeCB	43	—	nd	2.04	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	46.7	1.45	56.04	4.00	0.11
2,2',3,6-TeCB	45	45 + 51	8.16	1.52	9.792	0.70	0.02
2,2',3,6'-TeCB	46	—	2.26	1.8	2.712	0.19	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	6.07	1.6	7.284	0.52	0.01
2,2',4,5'-TeCB	49	49 + 69	20.8	1.36	24.96	1.78	0.05
2,2',4,6-TeCB	50	50 + 53	3.67	1.46	4.404	0.31	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	72.2	1.7	86.64	6.19	0.17
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.03	—	—	—
2,3,3',4-TeCB	55	—	nd	1.68	—	—	—
2,3,3',4'-TeCB	56	—	10.9	1.69	13.08	0.93	0.03
2,3,3',5-TeCB	57	—	nd	1.49	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.51	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	2.52	1.18	3.024	0.22	0.01
2,3,4,4'-TeCB	60	—	5.75	1.68	6.9	0.49	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	61.5	1.5	73.8	5.27	0.14
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.51	—	—	—
2,3,4',6-TeCB	64	—	14.9	1.11	17.88	1.28	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	19.4	1.48	23.28	1.66	0.05
2,3',4,5-TeCB	67	—	nd	1.41	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.56	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.49	—	—	—
2,3',5',6-TeCB	73	—	nd	1.24	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	4.46	1.16	5.352	0.38	0.01
3,3',4,5-TeCB	78	—	nd	1.46	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.26	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.44	—	—	—
3,4,4',5-TeCB	81	—	nd	1.39	—	—	—
2,2',3,3',4-PeCB	82	—	10.2	2.42	12.24	0.87	0.02
2,2',3,3',5-PeCB	83	83 + 99	45.1	2.41	54.12	3.87	0.11
2,2',3,3',6-PeCB	84	—	22	2.88	26.4	1.89	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	12.5	1.8	15	1.07	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	66.6	1.94	79.92	5.71	0.16
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	10.1	2.43	12.12	0.87	0.02
2,2',3,4,6'-PeCB	89	—	nd	2.66	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	85.1	2.1	102.12	7.30	0.20

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	14.8	2.46	17.76	1.27	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	76.7	2.34	92.04	6.58	0.18
2,2',3,5,6'-PeCB	94	—	nd	2.66	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.27	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.19	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.14	—	—	—
2,3,3',4,4'-PeCB	105	—	32.6	1.34	39.12	2.80	0.08
2,3,3',4,5-PeCB	106	—	nd	1.36	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	3.74	1.5	4.488	0.32	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	5.4	1.44	6.48	0.46	0.01
2,3,3',4',6-PeCB	110	110 + 115	101	1.62	121.2	8.66	0.24
2,3,3',5,5'-PeCB	111	—	nd	1.64	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.64	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	2.25	1.45	2.7	0.19	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	73.9	1.41	88.68	6.34	0.17
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.52	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.88	—	—	—
2',3,3',4,5-PeCB	122	—	nd	1.63	—	—	—
2',3,4,4',5-PeCB	123	—	nd	1.5	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.34	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.53	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	24.9	7.28	29.88	2.14	0.06
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	137	2.18	164.4	11.75	0.32
2,2',3,3',4,5'-HxCB	130	—	8.41	2.7	10.092	0.72	0.02
2,2',3,3',4,6-HxCB	131	—	nd	2.48	—	—	—
2,2',3,3',4,6'-HxCB	132	—	39.1	2.72	46.92	3.35	0.09
2,2',3,3',5,5'-HxCB	133	—	nd	2.55	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	6.46	2.61	7.752	0.55	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	28.5	1.87	34.2	2.44	0.07
2,2',3,3',6,6'-HxCB	136	—	10.6	1.52	12.72	0.91	0.02
2,2',3,4,4',5-HxCB	137	—	6.36	2.53	7.632	0.55	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.36	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	26.5	2.45	31.8	2.27	0.06
2,2',3,4,5,6-HxCB	142	—	nd	2.55	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	5.24	1.87	6.288	0.45	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	1.59	—	—	—
2,2',3,4',5,5'-HxCB	146	—	19.3	2.3	23.16	1.66	0.05
2,2',3,4',5,6-HxCB	147	147 + 149	92.9	2.27	111.48	7.97	0.22
2,2',3,4',5,6'-HxCB	148	—	nd	1.93	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.57	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.51	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	98.8	1.97	118.56	8.47	0.23
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.61	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	15	1.95	18	1.29	0.04
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	14.9	1.68	17.88	1.28	0.03
2,3,3',4,5,5'-HxCB	159	—	nd	1.83	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.75	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.91	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	9.17	1.82	11.004	0.79	0.02
2,3,3',5,5',6-HxCB	165	—	nd	2.09	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	5.1	1.34	6.12	0.44	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.45	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	26.5	1.9	31.8	2.27	0.06
2,2',3,3',4,4',6-HpCB	171	171 + 173	12.8	2.31	15.36	1.10	0.03
2,2',3,3',4,5,5'-HpCB	172	—	7.77	2.38	9.324	0.67	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	41.7	2.17	50.04	3.58	0.10
2,2',3,3',4,5',6-HpCB	175	—	nd	2.09	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	4.45	1.61	5.34	0.38	0.01
2,2',3,3',4',5,6-HpCB	177	—	22.2	2.24	26.64	1.90	0.05
2,2',3,3',5,5',6-HpCB	178	—	7.36	2.22	8.832	0.63	0.02
2,2',3,3',5,6,6'-HpCB	179	—	15.1	1.53	18.12	1.29	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	72.8	1.58	87.36	6.24	0.17

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1200
KC Sample ID	L54542-12	**Days**	13.99
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.18	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.04	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	26	2.1	31.2	2.23	0.06
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.54	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.69	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	55.5	7.49	66.6	4.76	0.13
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.52	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.7	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	7.59	1.66	9.108	0.65	0.02
2,3,3',4,4',5',6-HpCB	191	—	nd	1.65	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	1.82	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	17.4	2.3	20.88	1.49	0.04
2,2',3,3',4,4',5,6-OcCB	195	—	6.44	2.36	7.728	0.55	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	9.93	1.9	11.916	0.85	0.02
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	4.11	1.36	4.932	0.35	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	33.3	8.49	39.96	2.86	0.08
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	2.87	1.43	3.444	0.25	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	5.49	1.41	6.588	0.47	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	13.4	1.76	16.08	1.15	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.34	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.73	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	8.94	3.57	10.728	0.77	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.05	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	4.25	3.08	5.1	0.36	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.84	2.1	4.608	0.33	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	7.72	1.44	11.966	0.92	0.03
3-MoCB	2	—	6.56	1.4	10.168	0.78	0.02
4-MoCB	3	—	15.8	1.22	24.49	1.89	0.05
2,2'-DiCB	4	—	11.8	4.46	18.29	1.41	0.04
2,3-DiCB	5	—	nd	2.79	—	—	—
2,3'-DiCB	6	—	5.94	2.48	9.207	0.71	0.02
2,4-DiCB	7	—	6.43	2.52	9.9665	0.77	0.02
2,4'-DiCB	8	—	27.6	7.01	42.78	3.30	0.09
2,5-DiCB	9	—	nd	2.48	—	—	—
2,6-DiCB	10	—	nd	2.47	—	—	—
3,3'-DiCB	11	—	58.4	2.69	90.52	6.98	0.19
3,4-DiCB	12	12 + 13	6.85	2.76	10.6175	0.82	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.59	—	—	—
4,4'-DiCB	15	—	18.1	2.44	28.055	2.16	0.06
2,2',3-TriCB	16	—	12.9	1.99	19.995	1.54	0.04
2,2',4-TriCB	17	—	10.3	1.74	15.965	1.23	0.03
2,2',5-TriCB	18	18 + 30	22.9	4.29	35.495	2.74	0.07
2,2',6-TriCB	19	—	3.24	1.98	5.022	0.39	0.01
2,3,3'-TriCB	20	20 + 28	34.7	1.39	53.785	4.15	0.11
2,3,4-TriCB	21	21 + 33	22.2	1.31	34.41	2.65	0.07
2,3,4'-TriCB	22	—	15.2	1.57	23.56	1.82	0.05
2,3,5-TriCB	23	—	nd	1.38	—	—	—
2,3,6-TriCB	24	—	nd	1.22	—	—	—
2,3',4-TriCB	25	—	2.38	1.16	3.689	0.28	0.01
2,3',5-TriCB	26	26 + 29	6.15	1.35	9.5325	0.74	0.02
2,3',6-TriCB	27	—	1.69	1.22	2.6195	0.20	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	30.2	1.27	46.81	3.61	0.10
2,4',6-TriCB	32	—	7.96	1.2	12.338	0.95	0.03
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.32	—	—	—
3,3',4-TriCB	35	—	1.93	1.29	2.9915	0.23	0.01
3,3',5-TriCB	36	—	nd	1.28	—	—	—
3,4,4'-TriCB	37	—	8.23	1.13	12.7565	0.98	0.03
3,4,5-TriCB	38	—	nd	1.28	—	—	—
3,4',5-TriCB	39	—	nd	1.29	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	12.4	1.89	19.22	1.48	0.04
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	4.49	1.94	6.9595	0.54	0.01
2,2',3,5-TeCB	43	—	nd	2.46	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	32.5	1.77	50.375	3.89	0.11
2,2',3,6-TeCB	45	45 + 51	6.38	2.05	9.889	0.76	0.02
2,2',3,6'-TeCB	46	—	nd	2.46	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	4.71	2	7.3005	0.56	0.02
2,2',4,5'-TeCB	49	49 + 69	13.7	1.65	21.235	1.64	0.04
2,2',4,6-TeCB	50	50 + 53	3.6	1.93	5.58	0.43	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	40.7	1.93	63.085	4.87	0.13
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.44	—	—	—
2,3,3',4-TeCB	55	—	nd	1.51	—	—	—
2,3,3',4'-TeCB	56	—	7.79	1.51	12.0745	0.93	0.03
2,3,3',5-TeCB	57	—	nd	1.5	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.51	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	2.15	1.42	3.3325	0.26	0.01
2,3,4,4'-TeCB	60	—	4.2	1.45	6.51	0.50	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	39.8	1.49	61.69	4.76	0.13
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.43	—	—	—
2,3,4',6-TeCB	64	—	8.84	1.3	13.702	1.06	0.03
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	13.4	1.37	20.77	1.60	0.04
2,3',4,5-TeCB	67	—	nd	1.37	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.48	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.43	—	—	—
2,3',5',6-TeCB	73	—	nd	1.45	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	3.13	1.24	4.8515	0.37	0.01
3,3',4,5-TeCB	78	—	nd	1.47	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.22	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.26	—	—	—
3,4,4',5-TeCB	81	—	nd	1.49	—	—	—
2,2',3,3',4-PeCB	82	—	8.45	2.6	13.0975	1.01	0.03
2,2',3,3',5-PeCB	83	83 + 99	25.3	2.24	39.215	3.03	0.08
2,2',3,3',6-PeCB	84	—	13.2	2.69	20.46	1.58	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	8.35	1.9	12.9425	1.00	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	42.5	1.91	65.875	5.08	0.14
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	7.71	2.35	11.9505	0.92	0.03
2,2',3,4,6'-PeCB	89	—	nd	2.38	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	46	1.9	71.3	5.50	0.15

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	7.84	2.16	12.152	0.94	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	44.7	2.34	69.285	5.35	0.15
2,2',3,5,6'-PeCB	94	—	nd	2.6	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.41	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.12	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.49	—	—	—
2,3,3',4,4'-PeCB	105	—	20.5	1.78	31.775	2.45	0.07
2,3,3',4,5-PeCB	106	—	nd	1.89	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	2.16	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	2.88	2.01	4.464	0.34	0.01
2,3,3',4',6-PeCB	110	110 + 115	62.9	1.69	97.495	7.52	0.21
2,3,3',5,5'-PeCB	111	—	nd	1.75	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.54	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	1.92	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	46.6	1.79	72.23	5.57	0.15
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.62	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.65	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.23	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.03	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.86	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.98	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	12.6	7.51	19.53	1.51	0.04
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	82.1	2.43	127.255	9.82	0.27
2,2',3,3',4,5'-HxCB	130	—	5.03	3.13	7.7965	0.60	0.02
2,2',3,3',4,6-HxCB	131	—	nd	3.13	—	—	—
2,2',3,3',4,6'-HxCB	132	—	26.2	3.28	40.61	3.13	0.09
2,2',3,3',5,5'-HxCB	133	—	nd	3.02	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	3.09	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	21.1	2.15	32.705	2.52	0.07
2,2',3,3',6,6'-HxCB	136	—	7.37	1.52	11.4235	0.88	0.02
2,2',3,4,4',5-HxCB	137	—	3.47	2.75	5.3785	0.41	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.87	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	16	2.71	24.8	1.91	0.05
2,2',3,4,5,6-HxCB	142	—	nd	3.14	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	4.04	2.17	6.262	0.48	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	1.64	—	—	—
2,2',3,4',5,5'-HxCB	146	—	11.8	2.68	18.29	1.41	0.04
2,2',3,4',5,6-HxCB	147	147 + 149	58.4	2.83	90.52	6.98	0.19
2,2',3,4',5,6'-HxCB	148	—	nd	2.22	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.46	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.44	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	64	2.19	99.2	7.65	0.21
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.57	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	8.86	2.26	13.733	1.06	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	8.36	1.91	12.958	1.00	0.03
2,3,3',4,5,5'-HxCB	159	—	nd	2.03	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.98	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.09	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	6.27	2.24	9.7185	0.75	0.02
2,3,3',5,5',6-HxCB	165	—	nd	2.42	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	2.71	1.54	4.2005	0.32	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.66	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	19.9	2.2	30.845	2.38	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	7.11	2.41	11.0205	0.85	0.02
2,2',3,3',4,5,5'-HpCB	172	—	5.27	2.48	8.1685	0.63	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	27.7	2.23	42.935	3.31	0.09
2,2',3,3',4,5',6-HpCB	175	—	nd	2.24	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	3.03	1.64	4.6965	0.36	0.01
2,2',3,3',4',5,6-HpCB	177	—	15.4	2.33	23.87	1.84	0.05
2,2',3,3',5,5',6-HpCB	178	—	5.23	2.27	8.1065	0.63	0.02
2,2',3,3',5,6,6'-HpCB	179	—	11.5	1.64	17.825	1.38	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	59.9	1.68	92.845	7.16	0.20

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG39373	**Total Volume (mL)**	1550
KC Sample ID	L55159-11	**Days**	12.96
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.4	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.17	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	22.2	2.16	34.41	2.65	0.07
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.64	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.76	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	53.9	7.09	83.545	6.45	0.18
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.58	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.61	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	4.35	1.75	6.7425	0.52	0.01
2,3,3',4,4',5',6-HpCB	191	—	nd	1.73	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	1.95	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	31.5	2.05	48.825	3.77	0.10
2,2',3,3',4,4',5,6-OcCB	195	—	6.48	2.14	10.044	0.77	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	17.2	2.05	26.66	2.06	0.06
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	5.72	1.65	8.866	0.68	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	54	6.93	83.7	6.46	0.18
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	5.47	1.52	8.4785	0.65	0.02
2,2',3,3',5,5',6,6'-OcCB	202	—	12	1.53	18.6	1.44	0.04
2,2',3,4,4',5,5',6-OcCB	203	—	32.4	1.99	50.22	3.87	0.11
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.47	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.58	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	40.2	3.36	62.31	4.81	0.13
2,2',3,3',4,4',5,6,6'-NoCB	207	—	5	2.86	7.75	0.60	0.02
2,2',3,3',4,5,5',6,6'-NoCB	208	—	12.8	2.85	19.84	1.53	0.04
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	6.87	2.33	10.6485	0.82	0.02

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	25	2.91	18.75	0.85	0.02
3-MoCB	2	—	23.4	3.22	17.55	0.80	0.02
4-MoCB	3	—	27.4	2.69	20.55	0.93	0.03
2,2'-DiCB	4	—	10.7	9.34	8.025	0.36	0.01
2,3-DiCB	5	—	—	8.02	—	—	—
2,3'-DiCB	6	—	8.89	7.29	6.6675	0.30	0.01
2,4-DiCB	7	—	—	7.44	—	—	—
2,4'-DiCB	8	—	29.2	6.75	21.9	1.00	0.03
2,5-DiCB	9	—	16.7	7	12.525	0.57	0.02
2,6-DiCB	10	—	—	7.31	—	—	—
3,3'-DiCB	11	—	117	7.98	87.75	3.99	0.11
3,4-DiCB	12	12 + 13	—	7.98	—	—	—
3,4'-DiCB	13	12 + 13	—	—	—	—	—
3,5-DiCB	14	—	—	7.51	—	—	—
4,4'-DiCB	15	—	17.5	7.12	13.125	0.60	0.02
2,2',3-TriCB	16	—	17.3	6.02	12.975	0.59	0.02
2,2',4-TriCB	17	—	14.8	5.12	11.1	0.50	0.01
2,2',5-TriCB	18	18 + 30	24.4	4.17	18.3	0.83	0.02
2,2',6-TriCB	19	—	—	5.61	—	—	—
2,3,3'-TriCB	20	20 + 28	36.5	4.5	27.375	1.24	0.03
2,3,4-TriCB	21	21 + 33	24.6	4.43	18.45	0.84	0.02
2,3,4'-TriCB	22	—	16.4	4.93	12.3	0.56	0.02
2,3,5-TriCB	23	—	—	4.74	—	—	—
2,3,6-TriCB	24	—	—	3.79	—	—	—
2,3',4-TriCB	25	—	4.01	3.93	3.0075	0.14	0.00
2,3',5-TriCB	26	26 + 29	7.75	4.54	5.8125	0.26	0.01
2,3',6-TriCB	27	—	—	3.4	—	—	—
2,4,4'-TriCB	28	20 + 28	—	—	—	—	—
2,4,5-TriCB	29	26 + 29	—	—	—	—	—
2,4,6-TriCB	30	18 + 30	—	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	34	4.18	25.5	1.16	0.03
2,4',6-TriCB	32	—	9.45	4.19	7.0875	0.32	0.01
2',3,4-TriCB	33	21 + 33	—	—	—	—	—
2',3,5-TriCB	34	—	—	4.51	—	—	—
3,3',4-TriCB	35	—	—	4.88	—	—	—
3,3',5-TriCB	36	—	—	4.53	—	—	—
3,4,4'-TriCB	37	—	13.1	4.27	9.825	0.45	0.01
3,4,5-TriCB	38	—	—	4.52	—	—	—
3,4',5-TriCB	39	—	—	4.51	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	13.7	4	10.275	0.47	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	—	—	—	—	—
2,2',3,4'-TeCB	42	—	4.25	4.22	3.1875	0.14	0.00
2,2',3,5-TeCB	43	—	—	4.73	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	42.8	3.65	32.1	1.46	0.04
2,2',3,6-TeCB	45	45 + 51	8.06	3.94	6.045	0.27	0.01
2,2',3,6'-TeCB	46	—	—	4.62	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	—	—	—	—	—
2,2',4,5-TeCB	48	—	4.73	4.08	3.5475	0.16	0.00
2,2',4,5'-TeCB	49	49 + 69	19	3.36	14.25	0.65	0.02
2,2',4,6-TeCB	50	50 + 53	5.36	3.83	4.02	0.18	0.00
2,2',4,6'-TeCB	51	45 + 51	—	—	—	—	—
2,2',5,5'-TeCB	52	—	59.7	3.75	44.775	2.03	0.06
2,2',5,6'-TeCB	53	50 + 53	—	—	—	—	—
2,2',6,6'-TeCB	54	—	—	3.03	—	—	—
2,3,3',4-TeCB	55	—	—	5.38	—	—	—
2,3,3',4'-TeCB	56	—	11.4	5.22	8.55	0.39	0.01
2,3,3',5-TeCB	57	—	—	4.68	—	—	—
2,3,3',5'-TeCB	58	—	—	5.02	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	—	2.92	—	—	—
2,3,4,4'-TeCB	60	—	7.23	5.14	5.4225	0.25	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	61.7	4.76	46.275	2.10	0.06
2,3,4,6-TeCB	62	59 + 62 + 75	—	—	—	—	—
2,3,4',5-TeCB	63	—	—	4.62	—	—	—
2,3,4',6-TeCB	64	—	15.7	2.86	11.775	0.54	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	—	—	—	—	—
2,3',4,4'-TeCB	66	—	22.5	4.8	16.875	0.77	0.02
2,3',4,5-TeCB	67	—	—	4.25	—	—	—
2,3',4,5'-TeCB	68	—	—	4.56	—	—	—
2,3',4,6-TeCB	69	49 + 69	—	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	—	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	—	—	—	—	—
2,3',5,5'-TeCB	72	—	—	4.48	—	—	—
2,3',5',6-TeCB	73	—	—	2.98	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	—	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	—	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	—	—	—	—	—
3,3',4,4'-TeCB	77	—	7.25	4.41	5.4375	0.25	0.01
3,3',4,5-TeCB	78	—	—	5.27	—	—	—
3,3',4,5'-TeCB	79	—	—	4.16	—	—	—
3,3',5,5'-TeCB	80	—	—	4.59	—	—	—
3,4,4',5-TeCB	81	—	—	4.76	—	—	—
2,2',3,3',4-PeCB	82	—	11.1	8.54	8.325	0.38	0.01
2,2',3,3',5-PeCB	83	83 + 99	37.7	7.76	28.275	1.28	0.04
2,2',3,3',6-PeCB	84	—	26.5	8.26	19.875	0.90	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	15.7	6.48	11.775	0.54	0.01
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	55.2	6.6	41.4	1.88	0.05
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	9.95	7.19	7.4625	0.34	0.01
2,2',3,4,6'-PeCB	89	—	—	8.02	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	78.1	6.46	58.575	2.66	0.07

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	—	—	—	—	—
2,2',3,5,5'-PeCB	92	—	12.3	7.59	9.225	0.42	0.01
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	71.2	7.16	53.4	2.43	0.07
2,2',3,5,6'-PeCB	94	—	—	7.91	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',3,6,6'-PeCB	96	—	—	7.65	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	—	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	—	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5',6-PeCB	103	—	—	6.35	—	—	—
2,2',4,6,6'-PeCB	104	—	—	7.32	—	—	—
2,3,3',4,4'-PeCB	105	—	35.9	7.21	26.925	1.22	0.03
2,3,3',4,5-PeCB	106	—	—	8.17	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	—	8.23	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3,3',4,6-PeCB	109	—	7.91	7.82	5.9325	0.27	0.01
2,3,3',4',6-PeCB	110	110 + 115	106	5.51	79.5	3.61	0.10
2,3,3',5,5'-PeCB	111	—	—	5.75	—	—	—
2,3,3',5,6-PeCB	112	—	—	5.71	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	—	—	—	—	—
2,3,4,4',5-PeCB	114	—	—	6.87	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	—	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	—	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	—	—	—	—	—
2,3',4,4',5-PeCB	118	—	70	6.25	52.5	2.39	0.07
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3',4,5,5'-PeCB	120	—	—	5.49	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	—	5.69	—	—	—
2',3,3',4,5-PeCB	122	—	—	8.76	—	—	—
2',3,4,4',5-PeCB	123	—	—	7.07	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	—	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
3,3',4,4',5-PeCB	126	—	—	7.3	—	—	—
3,3',4,5,5'-PeCB	127	—	—	7.75	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	23.8	7.76	17.85	0.81	0.02
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	137	8.08	102.75	4.67	0.13
2,2',3,3',4,5'-HxCB	130	—	—	10.5	—	—	—
2,2',3,3',4,6-HxCB	131	—	—	9.96	—	—	—
2,2',3,3',4,6'-HxCB	132	—	44.6	10.9	33.45	1.52	0.04
2,2',3,3',5,5'-HxCB	133	—	—	9.84	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	—	10.3	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	27.5	13	20.625	0.94	0.03
2,2',3,3',6,6'-HxCB	136	—	10.6	9.69	7.95	0.36	0.01
2,2',3,4,4',5-HxCB	137	—	—	10	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	—	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	—	9.35	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	—	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	24.4	9.44	18.3	0.83	0.02
2,2',3,4,5,6-HxCB	142	—	—	10.3	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	—	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	—	13.2	—	—	—
2,2',3,4,6,6'-HxCB	145	—	—	10.4	—	—	—
2,2',3,4',5,5'-HxCB	146	—	34.2	9.12	25.65	1.17	0.03
2,2',3,4',5,6-HxCB	147	147 + 149	84.7	8.95	63.525	2.89	0.08
2,2',3,4',5,6'-HxCB	148	—	—	13.3	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	—	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	—	10.1	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	—	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	—	9.03	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	93.9	7.14	70.425	3.20	0.09
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	—	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	—	7.71	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	20.4	7.39	15.3	0.70	0.02
2,3,3',4,4',5'-HxCB	157	156 + 157	—	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	17.5	6.29	13.125	0.60	0.02
2,3,3',4,5,5'-HxCB	159	—	—	6.22	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	—	6.61	—	—	—
2,3,3',4',5,5'-HxCB	162	—	—	6.79	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	15.2	6.75	11.4	0.52	0.01
2,3,3',5,5',6-HxCB	165	—	—	8	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	—	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	6.41	5.48	4.8075	0.22	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	—	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	—	5.47	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	34.3	10.6	25.725	1.17	0.03
2,2',3,3',4,4',6-HpCB	171	171 + 173	—	10.6	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	—	10.2	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	—	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	30.8	9.42	23.1	1.05	0.03
2,2',3,3',4,5',6-HpCB	175	—	—	9.5	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	—	7.65	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	19.4	10.1	14.55	0.66	0.02
2,2',3,3',5,5',6-HpCB	178	—	—	10.3	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	11.8	7.82	8.85	0.40	0.01
2,2',3,4,4',5,5'-HpCB	180	180 + 193	72.4	8.29	54.3	2.47	0.07

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	750
KC Sample ID	L55963-11	**Days**	22.01
Collection Date	6/27/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	—	9.7	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	—	9.69	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	21.7	9.48	16.275	0.74	0.02
2,2',3,4,4',6,6'-HpCB	184	—	—	7.49	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	—	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	—	8.21	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	42.7	9.24	32.025	1.46	0.04
2,2',3,4',5,6,6'-HpCB	188	—	—	7.16	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	—	7.47	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	8.56	6.68	6.42	0.29	0.01
2,3,3',4,4',5',6-HpCB	191	—	—	6.87	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	—	8	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	—	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	26.3	7.22	19.725	0.90	0.02
2,2',3,3',4,4',5,6-OcCB	195	—	11.2	8.25	8.4	0.38	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	15.5	13.7	11.625	0.53	0.01
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	—	11.5	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	54.2	14.9	40.65	1.85	0.05
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	—	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	—	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	—	11.6	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	—	12.8	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	35.9	13.3	26.925	1.22	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	—	11.5	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	—	5.75	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	68.7	11.5	51.525	2.34	0.06
2,2',3,3',4,4',5,6,6'-NoCB	207	—	—	9.08	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	26.4	9.08	19.8	0.90	0.02
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	21.5	8.79	16.125	0.73	0.02

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250
KC Sample ID	L56076-9	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	11.3	0.495	48.025	6.87	0.04
3-MoCB	2	—	10.2	0.495	43.35	6.20	0.04
4-MoCB	3	—	12.2	0.495	51.85	7.41	0.05
2,2'-DiCB	4	—	5.29	2.65	22.4825	3.22	0.02
2,3-DiCB	5	—	—	2.2	—	—	—
2,3'-DiCB	6	—	3.38	2.01	14.365	2.05	0.01
2,4-DiCB	7	—	—	2.08	—	—	—
2,4'-DiCB	8	—	12.1	1.93	51.425	7.35	0.04
2,5-DiCB	9	—	7.06	1.99	30.005	4.29	0.03
2,6-DiCB	10	—	—	2.07	—	—	—
3,3'-DiCB	11	—	30.4	2.17	129.2	18.48	0.11
3,4-DiCB	12	12 + 13	2.48	2.2	10.54	1.51	0.01
3,4'-DiCB	13	12 + 13	—	—	—	—	—
3,5-DiCB	14	—	—	2.07	—	—	—
4,4'-DiCB	15	—	4.45	2.08	18.9125	2.70	0.02
2,2',3-TriCB	16	—	5.33	1.41	22.6525	3.24	0.02
2,2',4-TriCB	17	—	4.71	1.17	20.0175	2.86	0.02
2,2',5-TriCB	18	18 + 30	10.4	0.947	44.2	6.32	0.04
2,2',6-TriCB	19	—	2.61	1.32	11.0925	1.59	0.01
2,3,3'-TriCB	20	20 + 28	9.4	0.79	39.95	5.71	0.03
2,3,4-TriCB	21	21 + 33	5.81	0.79	24.6925	3.53	0.02
2,3,4'-TriCB	22	—	3.56	0.868	15.13	2.16	0.01
2,3,5-TriCB	23	—	—	0.845	—	—	—
2,3,6-TriCB	24	—	—	0.819	—	—	—
2,3',4-TriCB	25	—	1.1	0.685	4.675	0.67	0.00
2,3',5-TriCB	26	26 + 29	2.41	0.804	10.2425	1.46	0.01
2,3',6-TriCB	27	—	0.915	0.802	3.88875	0.56	0.00
2,4,4'-TriCB	28	20 + 28	—	—	—	—	—
2,4,5-TriCB	29	26 + 29	—	—	—	—	—
2,4,6-TriCB	30	18 + 30	—	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250				
KC Sample ID	L56076-9	**Days**	6.99				
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	8.34	0.75	35.445	5.07	0.03
2,4',6-TriCB	32	—	3.06	0.775	13.005	1.86	0.01
2',3,4-TriCB	33	21 + 33	—	—	—	—	—
2',3,5-TriCB	34	—	—	0.816	—	—	—
3,3',4-TriCB	35	—	1.23	0.864	5.2275	0.75	0.00
3,3',5-TriCB	36	—	—	0.796	—	—	—
3,4,4'-TriCB	37	—	2.42	0.795	10.285	1.47	0.01
3,4,5-TriCB	38	—	—	0.786	—	—	—
3,4',5-TriCB	39	—	—	0.791	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	3.76	1.13	15.98	2.29	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	—	—	—	—	—
2,2',3,4'-TeCB	42	—	1.54	1.16	6.545	0.94	0.01
2,2',3,5-TeCB	43	—	—	1.32	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	8.24	1	35.02	5.01	0.03
2,2',3,6-TeCB	45	45 + 51	1.38	1.1	5.865	0.84	0.01
2,2',3,6'-TeCB	46	—	—	1.3	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	—	—	—	—	—
2,2',4,5-TeCB	48	—	—	1.12	—	—	—
2,2',4,5'-TeCB	49	49 + 69	4.82	0.932	20.485	2.93	0.02
2,2',4,6-TeCB	50	50 + 53	1.17	1.07	4.9725	0.71	0.00
2,2',4,6'-TeCB	51	45 + 51	—	—	—	—	—
2,2',5,5'-TeCB	52	—	12.9	1.04	54.825	7.84	0.05
2,2',5,6'-TeCB	53	50 + 53	—	—	—	—	—
2,2',6,6'-TeCB	54	—	—	0.795	—	—	—
2,3,3',4-TeCB	55	—	—	1.16	—	—	—
2,3,3',4'-TeCB	56	—	2.91	1.13	12.3675	1.77	0.01
2,3,3',5-TeCB	57	—	—	1.03	—	—	—
2,3,3',5'-TeCB	58	—	—	1.11	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	—	0.816	—	—	—
2,3,4,4'-TeCB	60	—	1.35	1.11	5.7375	0.82	0.00

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250
KC Sample ID	L56076-9	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	15.3	1.05	65.025	9.30	0.06
2,3,4,6-TeCB	62	59 + 62 + 75	—	—	—	—	—
2,3,4',5-TeCB	63	—	—	1.01	—	—	—
2,3,4',6-TeCB	64	—	3.39	0.812	14.4075	2.06	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	—	—	—	—	—
2,3',4,4'-TeCB	66	—	5.51	1.03	23.4175	3.35	0.02
2,3',4,5-TeCB	67	—	—	0.938	—	—	—
2,3',4,5'-TeCB	68	—	—	1.02	—	—	—
2,3',4,6-TeCB	69	49 + 69	—	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	—	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	—	—	—	—	—
2,3',5,5'-TeCB	72	—	—	0.989	—	—	—
2,3',5',6-TeCB	73	—	—	0.836	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	—	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	—	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	—	—	—	—	—
3,3',4,4'-TeCB	77	—	1.67	0.956	7.0975	1.01	0.01
3,3',4,5-TeCB	78	—	—	1.08	—	—	—
3,3',4,5'-TeCB	79	—	—	0.877	—	—	—
3,3',5,5'-TeCB	80	—	—	0.983	—	—	—
3,4,4',5-TeCB	81	—	—	1.09	—	—	—
2,2',3,3',4-PeCB	82	—	—	2.34	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	11.4	2.1	48.45	6.93	0.04
2,2',3,3',6-PeCB	84	—	5.38	2.53	22.865	3.27	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	4.54	1.74	19.295	2.76	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	14.8	1.81	62.9	8.99	0.05
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	2.35	2.19	9.9875	1.43	0.01
2,2',3,4,6'-PeCB	89	—	—	2.28	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	21.5	1.85	91.375	13.07	0.08

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250
KC Sample ID	L56076-9	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	—	—	—	—	—
2,2',3,5,5'-PeCB	92	—	2.83	2.15	12.0275	1.72	0.01
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	14.3	2.14	60.775	8.69	0.05
2,2',3,5,6'-PeCB	94	—	—	2.36	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',3,6,6'-PeCB	96	—	—	1.54	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	—	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	—	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5',6-PeCB	103	—	—	1.9	—	—	—
2,2',4,6,6'-PeCB	104	—	—	1.45	—	—	—
2,3,3',4,4'-PeCB	105	—	8.66	1.49	36.805	5.26	0.03
2,3,3',4,5-PeCB	106	—	—	1.62	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	—	1.66	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3,3',4,6-PeCB	109	—	—	1.48	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	28.4	1.53	120.7	17.26	0.11
2,3,3',5,5'-PeCB	111	—	—	1.55	—	—	—
2,3,3',5,6-PeCB	112	—	—	1.57	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	—	—	—	—	—
2,3,4,4',5-PeCB	114	—	—	1.47	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	—	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	—	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	—	—	—	—	—
2,3',4,4',5-PeCB	118	—	18.1	1.37	76.925	11.00	0.07
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3',4,5,5'-PeCB	120	—	—	1.43	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250
KC Sample ID	L56076-9	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	—	1.61	—	—	—
2',3,3',4,5-PeCB	122	—	—	1.71	—	—	—
2',3,4,4',5-PeCB	123	—	—	1.51	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	—	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
3,3',4,4',5-PeCB	126	—	—	1.6	—	—	—
3,3',4,5,5'-PeCB	127	—	—	1.54	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	5.02	1.7	21.335	3.05	0.02
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	28.3	1.71	120.275	17.20	0.10
2,2',3,3',4,5'-HxCB	130	—	—	2.16	—	—	—
2,2',3,3',4,6-HxCB	131	—	—	2.13	—	—	—
2,2',3,3',4,6'-HxCB	132	—	9.62	2.22	40.885	5.85	0.04
2,2',3,3',5,5'-HxCB	133	—	—	2	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	—	2.07	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	7.12	2.05	30.26	4.33	0.03
2,2',3,3',6,6'-HxCB	136	—	2.61	1.58	11.0925	1.59	0.01
2,2',3,4,4',5-HxCB	137	—	—	2.03	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	—	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	—	1.88	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	—	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	5.28	1.96	22.44	3.21	0.02
2,2',3,4,5,6-HxCB	142	—	—	2.09	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	—	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	—	2.09	—	—	—
2,2',3,4,6,6'-HxCB	145	—	—	1.71	—	—	—
2,2',3,4',5,5'-HxCB	146	—	4.37	1.82	18.5725	2.66	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	19.9	1.87	84.575	12.09	0.07
2,2',3,4',5,6'-HxCB	148	—	—	2.13	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	—	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	—	1.63	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250
KC Sample ID	L56076-9	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	—	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	—	1.51	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	21.4	1.5	90.95	13.01	0.08
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	—	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	—	1.41	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	3.12	1.73	13.26	1.90	0.01
2,3,3',4,4',5'-HxCB	157	156 + 157	—	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	3.07	1.35	13.0475	1.87	0.01
2,3,3',4,5,5'-HxCB	159	—	—	1.39	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	—	1.4	—	—	—
2,3,3',4',5,5'-HxCB	162	—	—	1.46	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	1.83	1.41	7.7775	1.11	0.01
2,3,3',5,5',6-HxCB	165	—	—	1.65	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	—	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	1.62	1.32	6.885	0.98	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	—	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	—	1.32	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	7.83	2.31	33.2775	4.76	0.03
2,2',3,3',4,4',6-HpCB	171	171 + 173	—	2.76	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	—	2.66	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	—	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	5.84	2.47	24.82	3.55	0.02
2,2',3,3',4,5',6-HpCB	175	—	—	2.38	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	—	1.85	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	5.55	2.62	23.5875	3.37	0.02
2,2',3,3',5,5',6-HpCB	178	—	—	2.54	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	2.76	1.84	11.73	1.68	0.01
2,2',3,4,4',5,5'-HpCB	180	180 + 193	15.8	1.89	67.15	9.60	0.06

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41271	**Total Volume (mL)**	4250
KC Sample ID	L56076-9	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	—	2.54	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	—	2.39	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	6.05	2.43	25.7125	3.68	0.02
2,2',3,4,4',6,6'-HpCB	184	—	—	1.79	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	—	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	—	1.95	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	9.38	2.31	39.865	5.70	0.03
2,2',3,4',5,6,6'-HpCB	188	—	—	1.56	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	—	1.86	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	—	1.88	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	—	1.92	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	—	2.12	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	—	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	5.06	1.5	21.505	3.08	0.02
2,2',3,3',4,4',5,6-OcCB	195	—	—	1.54	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	—	3.29	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	—	2.6	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	6.53	3.54	27.7525	3.97	0.02
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	—	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	—	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	—	2.61	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	—	2.92	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	3.44	3.25	14.62	2.09	0.01
2,2',3,4,4',5,6,6'-OcCB	204	—	—	2.67	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	—	1.19	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	7.06	3.29	30.005	4.29	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	—	2.6	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	—	2.59	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.9	2.23	16.575	2.37	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	—	—	—	—	—
3-MoCB	2	—	—	—	—	—	—
4-MoCB	3	—	—	—	—	—	—
2,2'-DiCB	4	—	65.8	37.2	26.32	1.25	0.01
2,3-DiCB	5	—	—	24.6	—	—	—
2,3'-DiCB	6	—	52.6	22.1	21.04	1.00	0.01
2,4-DiCB	7	—	36.8	22.8	14.72	0.70	0.00
2,4'-DiCB	8	—	229	21	91.6	4.35	0.03
2,5-DiCB	9	—	67.5	21.7	27	1.28	0.01
2,6-DiCB	10	—	—	22.5	—	—	—
3,3'-DiCB	11	—	2900	24	1160	55.04	0.34
3,4-DiCB	12	12 + 13	57.3	24.6	22.92	1.09	0.01
3,4'-DiCB	13	12 + 13	—	—	—	—	—
3,5-DiCB	14	—	—	23.1	—	—	—
4,4'-DiCB	15	—	218	19.9	87.2	4.14	0.03
2,2',3-TriCB	16	—	123	7.53	49.2	2.33	0.01
2,2',4-TriCB	17	—	121	6.47	48.4	2.30	0.01
2,2',5-TriCB	18	18 + 30	228	5.29	91.2	4.33	0.03
2,2',6-TriCB	19	—	23.1	7.44	9.24	0.44	0.00
2,3,3'-TriCB	20	20 + 28	476	6.26	190.4	9.03	0.06
2,3,4-TriCB	21	21 + 33	270	6.13	108	5.12	0.03
2,3,4'-TriCB	22	—	200	6.7	80	3.80	0.02
2,3,5-TriCB	23	—	—	6.49	—	—	—
2,3,6-TriCB	24	—	—	4.8	—	—	—
2,3',4-TriCB	25	—	33.9	5.58	13.56	0.64	0.00
2,3',5-TriCB	26	26 + 29	83.8	6.19	33.52	1.59	0.01
2,3',6-TriCB	27	—	17.1	4.36	6.84	0.32	0.00
2,4,4'-TriCB	28	20 + 28	—	—	—	—	—
2,4,5-TriCB	29	26 + 29	—	—	—	—	—
2,4,6-TriCB	30	18 + 30	—	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	382	5.77	152.8	7.25	0.04
2,4',6-TriCB	32	—	76.2	5.73	30.48	1.45	0.01
2',3,4-TriCB	33	21 + 33	—	—	—	—	—
2',3,5-TriCB	34	—	—	6.15	—	—	—
3,3',4-TriCB	35	—	70.5	6.89	28.2	1.34	0.01
3,3',5-TriCB	36	—	7.64	6.31	3.056	0.14	0.00
3,4,4'-TriCB	37	—	213	5.92	85.2	4.04	0.02
3,4,5-TriCB	38	—	—	6.29	—	—	—
3,4',5-TriCB	39	—	—	6.24	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	225	9.9	90	4.27	0.03
2,2',3,4-TeCB	41	40 + 41 + 71	—	—	—	—	—
2,2',3,4'-TeCB	42	—	105	10.4	42	1.99	0.01
2,2',3,5-TeCB	43	—	18.3	11.9	7.32	0.35	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	484	9.07	193.6	9.19	0.06
2,2',3,6-TeCB	45	45 + 51	88.5	9.65	35.4	1.68	0.01
2,2',3,6'-TeCB	46	—	26.3	11.2	10.52	0.50	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	—	—	—	—	—
2,2',4,5-TeCB	48	—	74	10	29.6	1.40	0.01
2,2',4,5'-TeCB	49	49 + 69	225	8.33	90	4.27	0.03
2,2',4,6-TeCB	50	50 + 53	56.7	9.14	22.68	1.08	0.01
2,2',4,6'-TeCB	51	45 + 51	—	—	—	—	—
2,2',5,5'-TeCB	52	—	731	9.22	292.4	13.87	0.08
2,2',5,6'-TeCB	53	50 + 53	—	—	—	—	—
2,2',6,6'-TeCB	54	—	—	7.05	—	—	—
2,3,3',4-TeCB	55	—	—	8.77	—	—	—
2,3,3',4'-TeCB	56	—	204	8.55	81.6	3.87	0.02
2,3,3',5-TeCB	57	—	—	8.05	—	—	—
2,3,3',5'-TeCB	58	—	—	8.21	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	35.1	7.33	14.04	0.67	0.00
2,3,4,4'-TeCB	60	—	110	8.63	44	2.09	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	1060	8.1	424	20.12	0.12
2,3,4,6-TeCB	62	59 + 62 + 75	—	—	—	—	—
2,3,4',5-TeCB	63	—	16.7	7.76	6.68	0.32	0.00
2,3,4',6-TeCB	64	—	199	7.48	79.6	3.78	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	—	—	—	—	—
2,3',4,4'-TeCB	66	—	360	7.87	144	6.83	0.04
2,3',4,5-TeCB	67	—	12	7.17	4.8	0.23	0.00
2,3',4,5'-TeCB	68	—	11.8	7.62	4.72	0.22	0.00
2,3',4,6-TeCB	69	49 + 69	—	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	—	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	—	—	—	—	—
2,3',5,5'-TeCB	72	—	—	7.46	—	—	—
2,3',5',6-TeCB	73	—	—	7.24	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	—	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	—	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	—	—	—	—	—
3,3',4,4'-TeCB	77	—	119	7.39	47.6	2.26	0.01
3,3',4,5-TeCB	78	—	—	8.54	—	—	—
3,3',4,5'-TeCB	79	—	17.6	6.66	7.04	0.33	0.00
3,3',5,5'-TeCB	80	—	—	7.74	—	—	—
3,4,4',5-TeCB	81	—	—	7.66	—	—	—
2,2',3,3',4-PeCB	82	—	191	15.9	76.4	3.62	0.02
2,2',3,3',5-PeCB	83	83 + 99	674	13.5	269.6	12.79	0.08
2,2',3,3',6-PeCB	84	—	354	15.8	141.6	6.72	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	232	12	92.8	4.40	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1080	11.8	432	20.50	0.12
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	169	13.9	67.6	3.21	0.02
2,2',3,4,6'-PeCB	89	—	—	14.9	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	1320	12	528	25.05	0.15

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	—	—	—	—	—
2,2',3,5,5'-PeCB	92	—	257	14.2	102.8	4.88	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	1070	13.6	428	20.31	0.12
2,2',3,5,6'-PeCB	94	—	—	14.9	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',3,6,6'-PeCB	96	—	—	8.79	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	—	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	—	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5',6-PeCB	103	—	—	12.7	—	—	—
2,2',4,6,6'-PeCB	104	—	—	9.04	—	—	—
2,3,3',4,4'-PeCB	105	—	596	14.1	238.4	11.31	0.07
2,3,3',4,5-PeCB	106	—	—	13.7	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	68.5	15.2	27.4	1.30	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3,3',4,6-PeCB	109	—	100	13.9	40	1.90	0.01
2,3,3',4',6-PeCB	110	110 + 115	1710	10.7	684	32.45	0.20
2,3,3',5,5'-PeCB	111	—	—	10.6	—	—	—
2,3,3',5,6-PeCB	112	—	—	10.2	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	—	—	—	—	—
2,3,4,4',5-PeCB	114	—	33.2	13	13.28	0.63	0.00
2,3,4,4',6-PeCB	115	110 + 115	—	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	—	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	—	—	—	—	—
2,3',4,4',5-PeCB	118	—	1270	12.2	508	24.10	0.15
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3',4,5,5'-PeCB	120	—	—	9.87	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	—	10.6	—	—	—
2',3,3',4,5-PeCB	122	—	—	15.7	—	—	—
2',3,4,4',5-PeCB	123	—	35.5	14.3	14.2	0.67	0.00
2',3,4,5,5'-PeCB	124	107 + 124	—	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
3,3',4,4',5-PeCB	126	—	27	15.1	10.8	0.51	0.00
3,3',4,5,5'-PeCB	127	—	—	14.7	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	341	15.3	136.4	6.47	0.04
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	2200	15	880	41.75	0.25
2,2',3,3',4,5'-HxCB	130	—	160	19.1	64	3.04	0.02
2,2',3,3',4,6-HxCB	131	—	26.2	17.3	10.48	0.50	0.00
2,2',3,3',4,6'-HxCB	132	—	704	18.3	281.6	13.36	0.08
2,2',3,3',5,5'-HxCB	133	—	22.4	17.5	8.96	0.43	0.00
2,2',3,3',5,6-HxCB	134	134 + 143	87.3	17.8	34.92	1.66	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	544	14.8	217.6	10.32	0.06
2,2',3,3',6,6'-HxCB	136	—	166	10	66.4	3.15	0.02
2,2',3,4,4',5-HxCB	137	—	112	16.7	44.8	2.13	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	—	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	34.3	16.8	13.72	0.65	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	—	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	416	17	166.4	7.90	0.05
2,2',3,4,5,6-HxCB	142	—	—	17.7	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	—	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	89.9	15	35.96	1.71	0.01
2,2',3,4,6,6'-HxCB	145	—	—	11.5	—	—	—
2,2',3,4',5,5'-HxCB	146	—	342	15.3	136.8	6.49	0.04
2,2',3,4',5,6-HxCB	147	147 + 149	1580	16.3	632	29.99	0.18
2,2',3,4',5,6'-HxCB	148	—	—	15	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	—	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	—	10.3	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	—	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	—	9.96	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	1590	13.6	636	30.18	0.18
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	—	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	—	8.84	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	294	14.9	117.6	5.58	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	—	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	240	11.9	96	4.55	0.03
2,3,3',4,5,5'-HxCB	159	—	26.6	12.7	10.64	0.50	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	—	12.1	—	—	—
2,3,3',4',5,5'-HxCB	162	—	—	12.7	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	157	13.2	62.8	2.98	0.02
2,3,3',5,5',6-HxCB	165	—	—	14.1	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	—	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	106	11.2	42.4	2.01	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	—	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	—	10.9	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	569	15.7	227.6	10.80	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	163	17.5	65.2	3.09	0.02
2,2',3,3',4,5,5'-HpCB	172	—	139	17.7	55.6	2.64	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	—	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	525	16.4	210	9.96	0.06
2,2',3,3',4,5',6-HpCB	175	—	32	15.8	12.8	0.61	0.00
2,2',3,3',4,6,6'-HpCB	176	—	64.6	12	25.84	1.23	0.01
2,2',3,3',4',5,6-HpCB	177	—	323	16.9	129.2	6.13	0.04
2,2',3,3',5,5',6-HpCB	178	—	110	16.9	44	2.09	0.01
2,2',3,3',5,6,6'-HpCB	179	—	211	11.8	84.4	4.00	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1220	12.1	488	23.15	0.14

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-9	**Days**	21.08
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	—	17.5	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	—	16.4	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	404	16.6	161.6	7.67	0.05
2,2',3,4,4',6,6'-HpCB	184	—	—	11.2	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	—	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	—	12.7	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	700	15.8	280	13.29	0.08
2,2',3,4',5,6,6'-HpCB	188	—	—	10.8	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	24.2	12.5	9.68	0.46	0.00
2,3,3',4,4',5,6-HpCB	190	—	143	12.5	57.2	2.71	0.02
2,3,3',4,4',5',6-HpCB	191	—	27.6	12.5	11.04	0.52	0.00
2,3,3',4,5,5',6-HpCB	192	—	—	15.2	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	—	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	420	14.3	168	7.97	0.05
2,2',3,3',4,4',5,6-OcCB	195	—	122	15.9	48.8	2.32	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	254	17.7	101.6	4.82	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	55	13.5	22	1.04	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	504	18	201.6	9.57	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	—	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	—	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	62.3	13.3	24.92	1.18	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	109	13.9	43.6	2.07	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	341	16.3	136.4	6.47	0.04
2,2',3,4,4',5,6,6'-OcCB	204	—	—	13.5	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	23.9	11.6	9.56	0.45	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	302	20.7	120.8	5.73	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	42.2	17.4	16.88	0.80	0.00
2,2',3,3',4,5,5',6,6'-NoCB	208	—	93.2	18	37.28	1.77	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	123	16.9	49.2	2.33	0.01

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	—	—	—	—	—
3-MoCB	2	—	—	—	—	—	—
4-MoCB	3	—	—	—	—	—	—
2,2'-DiCB	4	—	104	33.1	41.6	1.97	0.01
2,3-DiCB	5	—	—	23.2	—	—	—
2,3'-DiCB	6	—	99.8	20.3	39.92	1.89	0.01
2,4-DiCB	7	—	46.8	21.2	18.72	0.88	0.01
2,4'-DiCB	8	—	392	19	156.8	7.41	0.05
2,5-DiCB	9	—	62.9	19.8	25.16	1.19	0.01
2,6-DiCB	10	—	—	20.6	—	—	—
3,3'-DiCB	11	—	2990	23.7	1196	56.53	0.34
3,4-DiCB	12	12 + 13	109	23.7	43.6	2.06	0.01
3,4'-DiCB	13	12 + 13	—	—	—	—	—
3,5-DiCB	14	—	—	21.8	—	—	—
4,4'-DiCB	15	—	411	20	164.4	7.77	0.05
2,2',3-TriCB	16	—	220	8.31	88	4.16	0.03
2,2',4-TriCB	17	—	220	7.27	88	4.16	0.03
2,2',5-TriCB	18	18 + 30	554	17.9	221.6	10.47	0.06
2,2',6-TriCB	19	—	65.4	7.82	26.16	1.24	0.01
2,3,3'-TriCB	20	20 + 28	828	4.7	331.2	15.65	0.10
2,3,4-TriCB	21	21 + 33	451	4.62	180.4	8.53	0.05
2,3,4'-TriCB	22	—	356	5.23	142.4	6.73	0.04
2,3,5-TriCB	23	—	—	4.94	—	—	—
2,3,6-TriCB	24	—	7.1	5.51	2.84	0.13	0.00
2,3',4-TriCB	25	—	60.3	4.07	24.12	1.14	0.01
2,3',5-TriCB	26	26 + 29	154	4.71	61.6	2.91	0.02
2,3',6-TriCB	27	—	33.3	4.87	13.32	0.63	0.00
2,4,4'-TriCB	28	20 + 28	—	—	—	—	—
2,4,5-TriCB	29	26 + 29	—	—	—	—	—
2,4,6-TriCB	30	18 + 30	—	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	680	4.33	272	12.86	0.08
2,4',6-TriCB	32	—	164	4.31	65.6	3.10	0.02
2',3,4-TriCB	33	21 + 33	—	—	—	—	—
2',3,5-TriCB	34	—	—	4.59	—	—	—
3,3',4-TriCB	35	—	102	5.52	40.8	1.93	0.01
3,3',5-TriCB	36	—	12.8	4.89	5.12	0.24	0.00
3,4,4'-TriCB	37	—	491	4.79	196.4	9.28	0.06
3,4,5-TriCB	38	—	—	4.73	—	—	—
3,4',5-TriCB	39	—	7.19	4.91	2.876	0.14	0.00
2,2',3,3'-TeCB	40	40 + 41 + 71	438	8.13	175.2	8.28	0.05
2,2',3,4-TeCB	41	40 + 41 + 71	—	—	—	—	—
2,2',3,4'-TeCB	42	—	196	8.69	78.4	3.71	0.02
2,2',3,5-TeCB	43	—	32.8	9.34	13.12	0.62	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	739	7.48	295.6	13.97	0.09
2,2',3,6-TeCB	45	45 + 51	140	7.68	56	2.65	0.02
2,2',3,6'-TeCB	46	—	47.3	8.98	18.92	0.89	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	—	—	—	—	—
2,2',4,5-TeCB	48	—	145	8.2	58	2.74	0.02
2,2',4,5'-TeCB	49	49 + 69	378	6.73	151.2	7.15	0.04
2,2',4,6-TeCB	50	50 + 53	91.5	7.28	36.6	1.73	0.01
2,2',4,6'-TeCB	51	45 + 51	—	—	—	—	—
2,2',5,5'-TeCB	52	—	914	7.42	365.6	17.28	0.11
2,2',5,6'-TeCB	53	50 + 53	—	—	—	—	—
2,2',6,6'-TeCB	54	—	—	5.43	—	—	—
2,3,3',4-TeCB	55	—	11.5	11.3	4.6	0.22	0.00
2,3,3',4'-TeCB	56	—	346	11	138.4	6.54	0.04
2,3,3',5-TeCB	57	—	—	10	—	—	—
2,3,3',5'-TeCB	58	—	—	10	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	70.1	5.95	28.04	1.33	0.01
2,3,4,4'-TeCB	60	—	174	10.9	69.6	3.29	0.02

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	1480	10.1	592	27.98	0.17
2,3,4,6-TeCB	62	59 + 62 + 75	—	—	—	—	—
2,3,4',5-TeCB	63	—	24.9	9.73	9.96	0.47	0.00
2,3,4',6-TeCB	64	—	342	6.07	136.8	6.47	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	—	—	—	—	—
2,3',4,4'-TeCB	66	—	598	10.3	239.2	11.31	0.07
2,3',4,5-TeCB	67	—	22.8	8.94	9.12	0.43	0.00
2,3',4,5'-TeCB	68	—	14.6	9.51	5.84	0.28	0.00
2,3',4,6-TeCB	69	49 + 69	—	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	—	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	—	—	—	—	—
2,3',5,5'-TeCB	72	—	—	9.58	—	—	—
2,3',5',6-TeCB	73	—	—	5.99	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	—	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	—	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	—	—	—	—	—
3,3',4,4'-TeCB	77	—	178	9.27	71.2	3.37	0.02
3,3',4,5-TeCB	78	—	—	11.3	—	—	—
3,3',4,5'-TeCB	79	—	29.1	8.67	11.64	0.55	0.00
3,3',5,5'-TeCB	80	—	—	9.84	—	—	—
3,4,4',5-TeCB	81	—	—	9.79	—	—	—
2,2',3,3',4-PeCB	82	—	242	25.5	96.8	4.58	0.03
2,2',3,3',5-PeCB	83	83 + 99	935	23.6	374	17.68	0.11
2,2',3,3',6-PeCB	84	—	392	26.2	156.8	7.41	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	284	19.4	113.6	5.37	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	1570	19.9	628	29.68	0.18
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	190	22.8	76	3.59	0.02
2,2',3,4,6'-PeCB	89	—	—	23.8	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	1440	19.6	576	27.23	0.17

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	—	—	—	—	—
2,2',3,5,5'-PeCB	92	—	222	22.8	88.8	4.20	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	1110	22.2	444	20.99	0.13
2,2',3,5,6'-PeCB	94	—	—	24.8	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',3,6,6'-PeCB	96	—	—	8.34	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	—	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	—	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	—	—	—	—	—
2,2',4,5',6-PeCB	103	—	—	19.7	—	—	—
2,2',4,6,6'-PeCB	104	—	—	10.6	—	—	—
2,3,3',4,4'-PeCB	105	—	876	11.5	350.4	16.56	0.10
2,3,3',4,5-PeCB	106	—	—	12.6	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	90.1	13	36.04	1.70	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3,3',4,6-PeCB	109	—	134	11.5	53.6	2.53	0.02
2,3,3',4',6-PeCB	110	110 + 115	2100	17.2	840	39.70	0.24
2,3,3',5,5'-PeCB	111	—	—	17	—	—	—
2,3,3',5,6-PeCB	112	—	—	17	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	—	—	—	—	—
2,3,4,4',5-PeCB	114	—	42.2	11.2	16.88	0.80	0.00
2,3,4,4',6-PeCB	115	110 + 115	—	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	—	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	—	—	—	—	—
2,3',4,4',5-PeCB	118	—	1770	9.62	708	33.47	0.20
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
2,3',4,5,5'-PeCB	120	—	—	16.1	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	—	16.9	—	—	—
2',3,3',4,5-PeCB	122	—	32.8	13.8	13.12	0.62	0.00
2',3,4,4',5-PeCB	123	—	45	11.7	18	0.85	0.01
2',3,4,5,5'-PeCB	124	107 + 124	—	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	—	—	—	—	—
3,3',4,4',5-PeCB	126	—	34	12.2	13.6	0.64	0.00
3,3',4,5,5'-PeCB	127	—	—	12.5	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	562	14.5	224.8	10.63	0.06
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	3080	14.8	1232	58.23	0.35
2,2',3,3',4,5'-HxCB	130	—	212	19.1	84.8	4.01	0.02
2,2',3,3',4,6-HxCB	131	—	29.1	17.1	11.64	0.55	0.00
2,2',3,3',4,6'-HxCB	132	—	890	18.3	356	16.83	0.10
2,2',3,3',5,5'-HxCB	133	—	34.3	17.5	13.72	0.65	0.00
2,2',3,3',5,6-HxCB	134	134 + 143	107	18.4	42.8	2.02	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	570	15.1	228	10.78	0.07
2,2',3,3',6,6'-HxCB	136	—	209	11.1	83.6	3.95	0.02
2,2',3,4,4',5-HxCB	137	—	160	17.2	64	3.03	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	—	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	40.9	15.9	16.36	0.77	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	—	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	508	17.2	203.2	9.60	0.06
2,2',3,4,5,6-HxCB	142	—	—	18.7	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	—	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	84.5	15.3	33.8	1.60	0.01
2,2',3,4,6,6'-HxCB	145	—	—	12.3	—	—	—
2,2',3,4',5,5'-HxCB	146	—	451	40.1	180.4	8.53	0.05
2,2',3,4',5,6-HxCB	147	147 + 149	1920	17.2	768	36.30	0.22
2,2',3,4',5,6'-HxCB	148	—	—	15.4	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	—	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	—	11.4	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	—	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	—	10.2	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	2070	13.1	828	39.14	0.24
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	—	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	—	10.5	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	411	13.6	164.4	7.77	0.05
2,3,3',4,4',5'-HxCB	157	156 + 157	—	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	308	11.3	123.2	5.82	0.04
2,3,3',4,5,5'-HxCB	159	—	41.8	12.3	16.72	0.79	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	—	11.4	—	—	—
2,3,3',4',5,5'-HxCB	162	—	—	12.6	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	—	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	218	12.6	87.2	4.12	0.03
2,3,3',5,5',6-HxCB	165	—	—	14	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	—	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	145	10.4	58	2.74	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	—	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	—	10.6	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	817	19.7	326.8	15.45	0.09
2,2',3,3',4,4',6-HpCB	171	171 + 173	234	21.2	93.6	4.42	0.03
2,2',3,3',4,5,5'-HpCB	172	—	163	20.2	65.2	3.08	0.02
2,2',3,3',4,5,6-HpCB	173	171 + 173	—	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	687	19.1	274.8	12.99	0.08
2,2',3,3',4,5',6-HpCB	175	—	30.4	18.2	12.16	0.57	0.00
2,2',3,3',4,6,6'-HpCB	176	—	73.1	13.1	29.24	1.38	0.01
2,2',3,3',4',5,6-HpCB	177	—	418	19.3	167.2	7.90	0.05
2,2',3,3',5,5',6-HpCB	178	—	123	18.9	49.2	2.33	0.01
2,2',3,3',5,6,6'-HpCB	179	—	238	13.3	95.2	4.50	0.03
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1720	14.9	688	32.52	0.20

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-9	**Days**	21.16
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	—	19.9	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	—	18.8	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	487	18.6	194.8	9.21	0.06
2,2',3,4,4',6,6'-HpCB	184	—	—	12.2	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	—	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	—	15	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	930	36.2	372	17.58	0.11
2,2',3,4',5,6,6'-HpCB	188	—	—	12.9	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	27.2	11.2	10.88	0.51	0.00
2,3,3',4,4',5,6-HpCB	190	—	188	14.9	75.2	3.55	0.02
2,3,3',4,4',5',6-HpCB	191	—	42.9	14.6	17.16	0.81	0.00
2,3,3',4,5,5',6-HpCB	192	—	—	17	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	—	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	636	15.3	254.4	12.02	0.07
2,2',3,3',4,4',5,6-OcCB	195	—	184	17.6	73.6	3.48	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	263	18.7	105.2	4.97	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	108	26.3	43.2	2.04	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	769	19.9	307.6	14.54	0.09
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	—	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	—	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	69.5	14.7	27.8	1.31	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	178	15.1	71.2	3.37	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	503	18.3	201.2	9.51	0.06
2,2',3,4,4',5,6,6'-OcCB	204	—	—	14.5	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	29.8	11.3	11.92	0.56	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	774	16.8	309.6	14.63	0.09
2,2',3,3',4,4',5,6,6'-NoCB	207	—	107	30.1	42.8	2.02	0.01
2,2',3,3',4,5,5',6,6'-NoCB	208	—	270	29.1	108	5.10	0.03
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	354	25.1	141.6	6.69	0.04

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	11.7	8.18	37.44	2.66	0.07
2,3-DiCB	5	—	nd	5.93	—	—	—
2,3'-DiCB	6	—	8.06	5.39	25.792	1.84	0.05
2,4-DiCB	7	—	nd	5.61	—	—	—
2,4'-DiCB	8	—	38.3	5.07	122.56	8.72	0.24
2,5-DiCB	9	—	6.9	5.36	22.08	1.57	0.04
2,6-DiCB	10	—	nd	5.36	—	—	—
3,3'-DiCB	11	—	84.9	6.14	271.68	19.33	0.53
3,4-DiCB	12	12 + 13	nd	5.98	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	5.71	—	—	—
4,4'-DiCB	15	—	15.6	4.62	49.92	3.55	0.10
2,2',3-TriCB	16	—	19	1.02	60.8	4.33	0.12
2,2',4-TriCB	17	—	17.4	0.827	55.68	3.96	0.11
2,2',5-TriCB	18	18 + 30	34.8	0.674	111.36	7.92	0.22
2,2',6-TriCB	19	—	5.73	0.848	18.336	1.30	0.04
2,3,3'-TriCB	20	20 + 28	39.5	0.719	126.4	9.00	0.25
2,3,4-TriCB	21	21 + 33	24.3	0.692	77.76	5.53	0.15
2,3,4'-TriCB	22	—	16.4	0.791	52.48	3.73	0.10
2,3,5-TriCB	23	—	nd	0.74	—	—	—
2,3,6-TriCB	24	—	nd	0.589	—	—	—
2,3',4-TriCB	25	—	2.47	0.633	7.904	0.56	0.02
2,3',5-TriCB	26	26 + 29	7.06	0.72	22.592	1.61	0.04
2,3',6-TriCB	27	—	2.6	0.564	8.32	0.59	0.02
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	33.4	0.672	106.88	7.61	0.21
2,4',6-TriCB	32	—	9.88	0.669	31.616	2.25	0.06
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.721	—	—	—
3,3',4-TriCB	35	—	2.42	0.821	7.744	0.55	0.02
3,3',5-TriCB	36	—	nd	0.711	—	—	—
3,4,4'-TriCB	37	—	10.4	0.719	33.28	2.37	0.06
3,4,5-TriCB	38	—	nd	0.745	—	—	—
3,4',5-TriCB	39	—	nd	0.732	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	15.5	0.934	49.6	3.53	0.10
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	6.08	0.936	19.456	1.38	0.04
2,2',3,5-TeCB	43	—	nd	1.02	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	31.8	0.84	101.76	7.24	0.20
2,2',3,6-TeCB	45	45 + 51	5.7	0.884	18.24	1.30	0.04
2,2',3,6'-TeCB	46	—	1.61	1.03	5.152	0.37	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	4.55	0.92	14.56	1.04	0.03
2,2',4,5'-TeCB	49	49 + 69	14.2	0.772	45.44	3.23	0.09
2,2',4,6-TeCB	50	50 + 53	4.37	0.846	13.984	1.00	0.03
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	36.7	0.825	117.44	8.36	0.23
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.602	—	—	—
2,3,3',4-TeCB	55	—	nd	1.1	—	—	—
2,3,3',4'-TeCB	56	—	11.5	1.15	36.8	2.62	0.07
2,3,3',5-TeCB	57	—	nd	1.02	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.05	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	2.4	0.691	7.68	0.55	0.01
2,3,4,4'-TeCB	60	—	5.52	1.11	17.664	1.26	0.03

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	53	1.02	169.6	12.07	0.33
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.979	—	—	—
2,3,4',6-TeCB	64	—	10.3	0.668	32.96	2.35	0.06
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	19.7	1.02	63.04	4.49	0.12
2,3',4,5-TeCB	67	—	nd	0.915	—	—	—
2,3',4,5'-TeCB	68	—	nd	0.964	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.97	—	—	—
2,3',5',6-TeCB	73	—	nd	0.701	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	4.04	0.917	12.928	0.92	0.03
3,3',4,5-TeCB	78	—	nd	1.15	—	—	—
3,3',4,5'-TeCB	79	—	nd	0.941	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.01	—	—	—
3,4,4',5-TeCB	81	—	nd	0.948	—	—	—
2,2',3,3',4-PeCB	82	—	10.1	2.17	32.32	2.30	0.06
2,2',3,3',5-PeCB	83	83 + 99	28	1.93	89.6	6.38	0.17
2,2',3,3',6-PeCB	84	—	11.4	2.01	36.48	2.60	0.07
2,2',3,4,4'-PeCB	85	85 + 116 + 117	8.33	1.61	26.656	1.90	0.05
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	44.6	1.64	142.72	10.16	0.28
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	6.05	1.8	19.36	1.38	0.04
2,2',3,4,6'-PeCB	89	—	nd	1.92	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	42.9	1.61	137.28	9.77	0.27

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	8.63	1.86	27.616	1.97	0.05
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	33.1	1.71	105.92	7.54	0.21
2,2',3,5,6'-PeCB	94	—	nd	1.89	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.938	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.53	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.02	—	—	—
2,3,3',4,4'-PeCB	105	—	27	1.45	86.4	6.15	0.17
2,3,3',4,5-PeCB	106	—	nd	1.52	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	1.73	1.55	5.536	0.39	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	4.7	1.45	15.04	1.07	0.03
2,3,3',4',6-PeCB	110	110 + 115	59.9	1.4	191.68	13.64	0.37
2,3,3',5,5'-PeCB	111	—	nd	1.47	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.38	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	1.67	1.35	5.344	0.38	0.01
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	55.3	1.18	176.96	12.59	0.34
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.38	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.39	—	—	—
2',3,3',4,5-PeCB	122	—	nd	1.66	—	—	—
2',3,4,4',5-PeCB	123	—	1.63	1.42	5.216	0.37	0.01
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.63	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.6	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	12.3	1.65	39.36	2.80	0.08
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	81.2	1.63	259.84	18.49	0.51
2,2',3,3',4,5'-HxCB	130	—	4.94	2.05	15.808	1.12	0.03
2,2',3,3',4,6-HxCB	131	—	nd	1.86	—	—	—
2,2',3,3',4,6'-HxCB	132	—	22.7	1.88	72.64	5.17	0.14
2,2',3,3',5,5'-HxCB	133	—	nd	1.78	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	2.85	1.83	9.12	0.65	0.02
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	18.9	1.67	60.48	4.30	0.12
2,2',3,3',6,6'-HxCB	136	—	5.73	1.19	18.336	1.30	0.04
2,2',3,4,4',5-HxCB	137	—	3.76	1.92	12.032	0.86	0.02
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.69	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	13.4	1.77	42.88	3.05	0.08
2,2',3,4,5,6-HxCB	142	—	nd	1.85	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	2.26	1.72	7.232	0.51	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	1.29	—	—	—
2,2',3,4',5,5'-HxCB	146	—	13.4	1.59	42.88	3.05	0.08
2,2',3,4',5,6-HxCB	147	147 + 149	49.2	1.62	157.44	11.20	0.31
2,2',3,4',5,6'-HxCB	148	—	nd	1.71	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.23	—	—	—

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.13	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	60.1	1.41	192.32	13.69	0.37
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	0.973	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	9.87	1.61	31.584	2.25	0.06
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	7.59	1.28	24.288	1.73	0.05
2,3,3',4,5,5'-HxCB	159	—	nd	1.42	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.3	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.44	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	4.49	1.38	14.368	1.02	0.03
2,3,3',5,5',6-HxCB	165	—	nd	1.52	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	3.85	1.25	12.32	0.88	0.02
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.33	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	18.5	1.49	59.2	4.21	0.12
2,2',3,3',4,4',6-HpCB	171	171 + 173	8.99	1.62	28.768	2.05	0.06
2,2',3,3',4,5,5'-HpCB	172	—	5.94	1.68	19.008	1.35	0.04
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	18.6	1.48	59.52	4.24	0.12
2,2',3,3',4,5',6-HpCB	175	—	nd	1.38	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	1.55	1.01	4.96	0.35	0.01
2,2',3,3',4',5,6-HpCB	177	—	13.6	1.6	43.52	3.10	0.08
2,2',3,3',5,5',6-HpCB	178	—	4.3	1.44	13.76	0.98	0.03
2,2',3,3',5,6,6'-HpCB	179	—	5.71	0.968	18.272	1.30	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	44.1	1.24	141.12	10.04	0.27

Table C-20. PCB Flux Calculations by Congener for Kent Station (PSCAA-CW)

Workgroup	WG41911	**Total Volume (mL)**	3200
KC Sample ID	L56620-1	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	1.53	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	1.42	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	13.8	1.45	44.16	3.14	0.09
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.973	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.06	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	25.4	1.37	81.28	5.78	0.16
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.93	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.21	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	4.96	1.29	15.872	1.13	0.03
2,3,3',4,4',5',6-HpCB	191	—	nd	1.22	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	1.37	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	12.6	1.69	40.32	2.87	0.08
2,2',3,3',4,4',5,6-OcCB	195	—	5.46	1.92	17.472	1.24	0.03
2,2',3,3',4,4',5,6'-OcCB	196	—	7.15	1.57	22.88	1.63	0.04
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	3.1	1.1	9.92	0.71	0.02
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	18	1.6	57.6	4.10	0.11
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	1.08	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	3.72	1.17	11.904	0.85	0.02
2,2',3,4,4',5,5',6-OcCB	203	—	9.34	1.55	29.888	2.13	0.06
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.12	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.24	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	4.92	2.21	15.744	1.12	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	1.92	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	2.25	1.87	7.2	0.51	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.11	1.45	9.952	0.71	0.02

[a] Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	23.6	2.82	16.52	0.75	0.02
3-MoCB	2	—	23.7	3.36	16.59	0.75	0.02
4-MoCB	3	—	31.4	3	21.98	1.00	0.03
2,2'-DiCB	4	—	14	10.1	9.8	0.45	0.01
2,3-DiCB	5	—	nd	8.28	—	—	—
2,3'-DiCB	6	—	12.6	7.53	8.82	0.40	0.01
2,4-DiCB	7	—	nd	7.68	—	—	—
2,4'-DiCB	8	—	44.9	6.97	31.43	1.43	0.04
2,5-DiCB	9	—	20.5	7.23	14.35	0.65	0.02
2,6-DiCB	10	—	nd	7.55	—	—	—
3,3'-DiCB	11	—	131	8.24	91.7	4.17	0.11
3,4-DiCB	12	12 + 13	8.59	8.24	6.013	0.27	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	7.75	—	—	—
4,4'-DiCB	15	—	26.8	7.13	18.76	0.85	0.02
2,2',3-TriCB	16	—	20	5.57	14	0.64	0.02
2,2',4-TriCB	17	—	22.5	4.73	15.75	0.72	0.02
2,2',5-TriCB	18	18 + 30	46.4	3.85	32.48	1.48	0.04
2,2',6-TriCB	19	—	5.73	5.57	4.011	0.18	0.00
2,3,3'-TriCB	20	20 + 28	60.9	5.31	42.63	1.94	0.05
2,3,4-TriCB	21	21 + 33	37.5	5.22	26.25	1.19	0.03
2,3,4'-TriCB	22	—	22	5.81	15.4	0.70	0.02
2,3,5-TriCB	23	—	nd	5.58	—	—	—
2,3,6-TriCB	24	—	nd	3.51	—	—	—
2,3',4-TriCB	25	—	5.61	4.62	3.927	0.18	0.00
2,3',5-TriCB	26	26 + 29	12.9	5.35	9.03	0.41	0.01
2,3',6-TriCB	27	—	3.46	3.14	2.422	0.11	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	51.5	4.93	36.05	1.64	0.04
2,4',6-TriCB	32	—	14.2	4.94	9.94	0.45	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	5.31	—	—	—
3,3',4-TriCB	35	—	nd	5.75	—	—	—
3,3',5-TriCB	36	—	nd	5.34	—	—	—
3,4,4'-TriCB	37	—	15.8	4.87	11.06	0.50	0.01
3,4,5-TriCB	38	—	nd	5.33	—	—	—
3,4',5-TriCB	39	—	nd	5.32	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	20.8	5.4	14.56	0.66	0.02
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	9.24	5.69	6.468	0.29	0.01
2,2',3,5-TeCB	43	—	nd	6.37	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	51.9	4.92	36.33	1.65	0.05
2,2',3,6-TeCB	45	45 + 51	11.8	5.32	8.26	0.38	0.01
2,2',3,6'-TeCB	46	—	nd	6.23	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	6.81	5.51	4.767	0.22	0.01
2,2',4,5'-TeCB	49	49 + 69	22.2	4.53	15.54	0.71	0.02
2,2',4,6-TeCB	50	50 + 53	5.4	5.17	3.78	0.17	0.00
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	70.1	5.06	49.07	2.23	0.06
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	4.17	—	—	—
2,3,3',4-TeCB	55	—	nd	6.29	—	—	—
2,3,3',4'-TeCB	56	—	12.6	6.1	8.82	0.40	0.01
2,3,3',5-TeCB	57	—	nd	5.47	—	—	—
2,3,3',5'-TeCB	58	—	nd	5.87	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	3.94	—	—	—
2,3,4,4'-TeCB	60	—	6.31	6.01	4.417	0.20	0.01

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	70.4	5.56	49.28	2.24	0.06
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	5.4	—	—	—
2,3,4',6-TeCB	64	—	18	3.85	12.6	0.57	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	24.9	5.62	17.43	0.79	0.02
2,3',4,5-TeCB	67	—	nd	4.97	—	—	—
2,3',4,5'-TeCB	68	—	nd	5.33	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	5.24	—	—	—
2,3',5',6-TeCB	73	—	nd	4.02	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	5.82	5.21	4.074	0.19	0.01
3,3',4,5-TeCB	78	—	nd	6.17	—	—	—
3,3',4,5'-TeCB	79	—	nd	4.86	—	—	—
3,3',5,5'-TeCB	80	—	nd	5.37	—	—	—
3,4,4',5-TeCB	81	—	nd	5.42	—	—	—
2,2',3,3',4-PeCB	82	—	8.77	7.45	6.139	0.28	0.01
2,2',3,3',5-PeCB	83	83 + 99	40.4	6.77	28.28	1.29	0.04
2,2',3,3',6-PeCB	84	—	23.9	7.21	16.73	0.76	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	15.5	5.66	10.85	0.49	0.01
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	56.3	5.76	39.41	1.79	0.05
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	9.06	6.27	6.342	0.29	0.01
2,2',3,4,6'-PeCB	89	—	nd	7	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	73.9	5.64	51.73	2.35	0.06

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	12.4	6.62	8.68	0.39	0.01
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	61.4	6.24	42.98	1.95	0.05
2,2',3,5,6'-PeCB	94	—	nd	6.9	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	5.72	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	5.54	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	5.87	—	—	—
2,3,3',4,4'-PeCB	105	—	30	5.31	21	0.96	0.03
2,3,3',4,5-PeCB	106	—	nd	6.38	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	6.43	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	6.18	6.11	4.326	0.20	0.01
2,3,3',4',6-PeCB	110	110 + 115	95.8	4.81	67.06	3.05	0.08
2,3,3',5,5'-PeCB	111	—	nd	5.01	—	—	—
2,3,3',5,6-PeCB	112	—	nd	4.98	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	5.4	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	61.6	4.95	43.12	1.96	0.05
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	4.79	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	4.97	—	—	—
2',3,3',4,5-PeCB	122	—	nd	6.84	—	—	—
2',3,4,4',5-PeCB	123	—	nd	5.51	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	5.85	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	6.05	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	12.2	5.02	8.54	0.39	0.01
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	111	5.22	77.7	3.53	0.10
2,2',3,3',4,5'-HxCB	130	—	6.86	6.8	4.802	0.22	0.01
2,2',3,3',4,6-HxCB	131	—	nd	6.44	—	—	—
2,2',3,3',4,6'-HxCB	132	—	34.6	7.06	24.22	1.10	0.03
2,2',3,3',5,5'-HxCB	133	—	nd	6.36	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	6.63	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	24.2	8.55	16.94	0.77	0.02
2,2',3,3',6,6'-HxCB	136	—	8.43	6.37	5.901	0.27	0.01
2,2',3,4,4',5-HxCB	137	—	nd	6.47	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	6.04	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	21.8	6.1	15.26	0.69	0.02
2,2',3,4,5,6-HxCB	142	—	nd	6.66	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	8.68	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	6.83	—	—	—
2,2',3,4',5,5'-HxCB	146	—	16.6	5.9	11.62	0.53	0.01
2,2',3,4',5,6-HxCB	147	147 + 149	63	5.79	44.1	2.01	0.05
2,2',3,4',5,6'-HxCB	148	—	nd	8.76	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	6.64	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	5.94	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	83.8	4.61	58.66	2.67	0.07
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	5.13	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	14	4.72	9.8	0.45	0.01
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	11.2	4.07	7.84	0.36	0.01
2,3,3',4,5,5'-HxCB	159	—	nd	4.02	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	4.28	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	4.39	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	8.01	4.36	5.607	0.26	0.01
2,3,3',5,5',6-HxCB	165	—	nd	5.17	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	4.99	3.6	3.493	0.16	0.00
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	3.53	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	28.5	8.66	19.95	0.91	0.02
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	8.68	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	8.33	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	16.9	7.71	11.83	0.54	0.01
2,2',3,3',4,5',6-HpCB	175	—	nd	7.77	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	6.26	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	11.8	8.24	8.26	0.38	0.01
2,2',3,3',5,5',6-HpCB	178	—	nd	8.42	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	7.93	6.4	5.551	0.25	0.01
2,2',3,4,4',5,5'-HpCB	180	180 + 193	60.3	7.05	42.21	1.92	0.05

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	700
KC Sample ID	L55963-17	**Days**	21.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	7.94	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	7.93	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	16.7	7.76	11.69	0.53	0.01
2,2',3,4,4',6,6'-HpCB	184	—	nd	6.13	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	6.72	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	28.6	7.56	20.02	0.91	0.02
2,2',3,4',5,6,6'-HpCB	188	—	nd	5.68	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	7.33	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	5.47	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	5.62	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	6.54	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	20.1	5.53	14.07	0.64	0.02
2,2',3,3',4,4',5,6-OcCB	195	—	nd	6.32	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	12.7	11.9	8.89	0.40	0.01
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	9.97	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	27.5	12.9	19.25	0.88	0.02
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	10.1	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	11.8	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	20.4	11.5	14.28	0.65	0.02
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	10	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	4.24	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	25.4	9.72	17.78	0.81	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	7.74	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	7.88	7.8	5.516	0.25	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	6.65	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	9.76	0.498	41.968	6.00	0.04
3-MoCB	2	—	7.55	0.498	32.465	4.64	0.03
4-MoCB	3	—	14.6	0.498	62.78	8.98	0.05
2,2'-DiCB	4	—	6.39	2.26	27.477	3.93	0.02
2,3-DiCB	5	—	nd	1.86	—	—	—
2,3'-DiCB	6	—	4.65	1.7	19.995	2.86	0.02
2,4-DiCB	7	—	2.37	1.76	10.191	1.46	0.01
2,4'-DiCB	8	—	17.3	1.64	74.39	10.64	0.06
2,5-DiCB	9	—	7.03	1.68	30.229	4.32	0.03
2,6-DiCB	10	—	nd	1.75	—	—	—
3,3'-DiCB	11	—	42.4	1.84	182.32	26.08	0.16
3,4-DiCB	12	12 + 13	3.38	1.86	14.534	2.08	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	1.75	—	—	—
4,4'-DiCB	15	—	8.28	1.75	35.604	5.09	0.03
2,2',3-TriCB	16	—	8.34	1.22	35.862	5.13	0.03
2,2',4-TriCB	17	—	7.08	1	30.444	4.36	0.03
2,2',5-TriCB	18	18 + 30	15.8	0.813	67.94	9.72	0.06
2,2',6-TriCB	19	—	2.93	1.15	12.599	1.80	0.01
2,3,3'-TriCB	20	20 + 28	17.3	0.811	74.39	10.64	0.06
2,3,4-TriCB	21	21 + 33	11.9	0.811	51.17	7.32	0.04
2,3,4'-TriCB	22	—	6.97	0.891	29.971	4.29	0.03
2,3,5-TriCB	23	—	nd	0.867	—	—	—
2,3,6-TriCB	24	—	nd	0.703	—	—	—
2,3',4-TriCB	25	—	1.24	0.703	5.332	0.76	0.00
2,3',5-TriCB	26	26 + 29	4.22	0.825	18.146	2.60	0.02
2,3',6-TriCB	27	—	1.02	0.689	4.386	0.63	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	15.9	0.77	68.37	9.78	0.06
2,4',6-TriCB	32	—	4.58	0.796	19.694	2.82	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.837	—	—	—
3,3',4-TriCB	35	—	1.39	0.887	5.977	0.86	0.01
3,3',5-TriCB	36	—	nd	0.817	—	—	—
3,4,4'-TriCB	37	—	4.68	0.806	20.124	2.88	0.02
3,4,5-TriCB	38	—	nd	0.807	—	—	—
3,4',5-TriCB	39	—	nd	0.812	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	7.84	0.908	33.712	4.82	0.03
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	3.31	0.935	14.233	2.04	0.01
2,2',3,5-TeCB	43	—	nd	1.06	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	17.4	0.805	74.82	10.70	0.07
2,2',3,6-TeCB	45	45 + 51	3.88	0.888	16.684	2.39	0.01
2,2',3,6'-TeCB	46	—	1.18	1.05	5.074	0.73	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.85	0.905	12.255	1.75	0.01
2,2',4,5'-TeCB	49	49 + 69	8.88	0.75	38.184	5.46	0.03
2,2',4,6-TeCB	50	50 + 53	2.06	0.863	8.858	1.27	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	25.5	0.835	109.65	15.69	0.10
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.636	—	—	—
2,3,3',4-TeCB	55	—	nd	1.01	—	—	—
2,3,3',4'-TeCB	56	—	6.42	0.987	27.606	3.95	0.02
2,3,3',5-TeCB	57	—	nd	0.898	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.967	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	1.34	0.657	5.762	0.82	0.01
2,3,4,4'-TeCB	60	—	2.13	0.969	9.159	1.31	0.01

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	26.2	0.916	112.66	16.12	0.10
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.882	—	—	—
2,3,4',6-TeCB	64	—	6.63	0.654	28.509	4.08	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	10.6	0.902	45.58	6.52	0.04
2,3',4,5-TeCB	67	—	nd	0.818	—	—	—
2,3',4,5'-TeCB	68	—	nd	0.891	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.863	—	—	—
2,3',5',6-TeCB	73	—	nd	0.673	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	2.63	0.856	11.309	1.62	0.01
3,3',4,5-TeCB	78	—	nd	0.942	—	—	—
3,3',4,5'-TeCB	79	—	nd	0.765	—	—	—
3,3',5,5'-TeCB	80	—	nd	0.857	—	—	—
3,4,4',5-TeCB	81	—	nd	0.93	—	—	—
2,2',3,3',4-PeCB	82	—	5.02	1.5	21.586	3.09	0.02
2,2',3,3',5-PeCB	83	83 + 99	16.6	1.35	71.38	10.21	0.06
2,2',3,3',6-PeCB	84	—	10.6	1.63	45.58	6.52	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	6.99	1.12	30.057	4.30	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	25.5	1.17	109.65	15.69	0.10
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	4.73	1.41	20.339	2.91	0.02
2,2',3,4,6'-PeCB	89	—	nd	1.47	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	33.3	1.19	143.19	20.49	0.12

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	5.94	1.38	25.542	3.65	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	27.3	1.38	117.39	16.79	0.10
2,2',3,5,6'-PeCB	94	—	nd	1.52	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.44	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.23	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.37	—	—	—
2,3,3',4,4'-PeCB	105	—	12.7	1.39	54.61	7.81	0.05
2,3,3',4,5-PeCB	106	—	nd	1.51	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	1.54	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	2.16	1.37	9.288	1.33	0.01
2,3,3',4',6-PeCB	110	110 + 115	42.4	0.983	182.32	26.08	0.16
2,3,3',5,5'-PeCB	111	—	nd	0.997	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.01	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	1.37	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	26.3	1.27	113.09	16.18	0.10
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.922	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.04	—	—	—
2',3,3',4,5-PeCB	122	—	nd	1.59	—	—	—
2',3,4,4',5-PeCB	123	—	nd	1.41	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.45	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.43	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	5.81	1.74	24.983	3.57	0.02
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	38.6	1.75	165.98	23.75	0.14
2,2',3,3',4,5'-HxCB	130	—	nd	2.21	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	2.18	—	—	—
2,2',3,3',4,6'-HxCB	132	—	13.3	2.27	57.19	8.18	0.05
2,2',3,3',5,5'-HxCB	133	—	nd	2.05	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	2.12	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	10	1.96	43	6.15	0.04
2,2',3,3',6,6'-HxCB	136	—	3.86	1.5	16.598	2.37	0.01
2,2',3,4,4',5-HxCB	137	—	nd	2.08	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.93	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	5.7	2.01	24.51	3.51	0.02
2,2',3,4,5,6-HxCB	142	—	nd	2.14	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	1.99	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	1.63	—	—	—
2,2',3,4',5,5'-HxCB	146	—	5.44	1.87	23.392	3.35	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	24	1.92	103.2	14.76	0.09
2,2',3,4',5,6'-HxCB	148	—	nd	2.03	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.55	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.44	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	26.9	1.54	115.67	16.55	0.10
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.37	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	5.19	1.76	22.317	3.19	0.02
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	4.42	1.38	19.006	2.72	0.02
2,3,3',4,5,5'-HxCB	159	—	nd	1.43	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.43	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.5	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	3.43	1.45	14.749	2.11	0.01
2,3,3',5,5',6-HxCB	165	—	nd	1.69	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	1.82	1.37	7.826	1.12	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.34	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	8.55	2.45	36.765	5.26	0.03
2,2',3,3',4,4',6-HpCB	171	171 + 173	3.07	2.49	13.201	1.89	0.01
2,2',3,3',4,5,5'-HpCB	172	—	nd	2.4	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	8.34	2.23	35.862	5.13	0.03
2,2',3,3',4,5',6-HpCB	175	—	nd	2.15	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	1.67	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	4.31	2.36	18.533	2.65	0.02
2,2',3,3',5,5',6-HpCB	178	—	nd	2.3	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	3.1	1.66	13.33	1.91	0.01
2,2',3,4,4',5,5'-HpCB	180	180 + 193	19.3	1.94	82.99	11.87	0.07

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41271	**Total Volume (mL)**	4300
KC Sample ID	L56076-13	**Days**	6.99
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.29	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.16	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	6.42	2.2	27.606	3.95	0.02
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.61	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.76	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	8.5	2.09	36.55	5.23	0.03
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.66	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.4	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	2.26	1.69	9.718	1.39	0.01
2,3,3',4,4',5',6-HpCB	191	—	nd	1.74	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	1.92	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	4.98	1.39	21.414	3.06	0.02
2,2',3,3',4,4',5,6-OcCB	195	—	2.4	1.43	10.32	1.48	0.01
2,2',3,3',4,4',5,6'-OcCB	196	—	3.07	2.92	13.201	1.89	0.01
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	2.31	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	6.66	3.14	28.638	4.10	0.02
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	2.32	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	2.75	2.6	11.825	1.69	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	4.83	2.89	20.769	2.97	0.02
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	2.37	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.1	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	6.62	3.13	28.466	4.07	0.02
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.51	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	2.53	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.57	2.1	15.351	2.20	0.01

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-13	**Days**	21.03
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	275	115	110	5.23	0.03
2,3-DiCB	5	—	nd	90.1	—	—	—
2,3'-DiCB	6	—	163	82	65.2	3.10	0.02
2,4-DiCB	7	—	nd	85.2	—	—	—
2,4'-DiCB	8	—	712	77.1	284.8	13.54	0.08
2,5-DiCB	9	—	89.5	81.5	35.8	1.70	0.01
2,6-DiCB	10	—	nd	81.5	—	—	—
3,3'-DiCB	11	—	1680	93.4	672	31.95	0.19
3,4-DiCB	12	12 + 13	178	90.9	71.2	3.38	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	86.8	—	—	—
4,4'-DiCB	15	—	331	25.2	132.4	6.29	0.04
2,2',3-TriCB	16	—	622	9.24	248.8	11.83	0.07
2,2',4-TriCB	17	—	650	17.6	260	12.36	0.08
2,2',5-TriCB	18	18 + 30	1160	6.5	464	22.06	0.13
2,2',6-TriCB	19	—	172	8.88	68.8	3.27	0.02
2,3,3'-TriCB	20	20 + 28	1390	6.84	556	26.43	0.16
2,3,4-TriCB	21	21 + 33	855	6.71	342	16.26	0.10
2,3,4'-TriCB	22	—	608	7.33	243.2	11.56	0.07
2,3,5-TriCB	23	—	nd	7.09	—	—	—
2,3,6-TriCB	24	—	19.7	5.9	7.88	0.37	0.00
2,3',4-TriCB	25	—	111	6.1	44.4	2.11	0.01
2,3',5-TriCB	26	26 + 29	285	6.77	114	5.42	0.03
2,3',6-TriCB	27	—	85.6	5.36	34.24	1.63	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-13	**Days**	21.03
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	1150	6.31	460	21.87	0.13
2,4',6-TriCB	32	—	351	6.26	140.4	6.67	0.04
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	6.72	—	—	—
3,3',4-TriCB	35	—	93.4	7.53	37.36	1.78	0.01
3,3',5-TriCB	36	—	nd	6.9	—	—	—
3,4,4'-TriCB	37	—	344	6.59	137.6	6.54	0.04
3,4,5-TriCB	38	—	nd	6.88	—	—	—
3,4',5-TriCB	39	—	nd	6.82	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	531	10.7	212.4	10.10	0.06
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	223	11.3	89.2	4.24	0.03
2,2',3,5-TeCB	43	—	37.9	12.9	15.16	0.72	0.00
2,2',3,5'-TeCB	44	44 + 47 + 65	822	9.78	328.8	15.63	0.10
2,2',3,6-TeCB	45	45 + 51	199	10.4	79.6	3.78	0.02
2,2',3,6'-TeCB	46	—	70.3	12.1	28.12	1.34	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	210	10.8	84	3.99	0.02
2,2',4,5'-TeCB	49	49 + 69	445	8.99	178	8.46	0.05
2,2',4,6-TeCB	50	50 + 53	141	9.85	56.4	2.68	0.02
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	849	9.94	339.6	16.14	0.10
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	7.34	—	—	—
2,3,3',4-TeCB	55	—	24.8	10.6	9.92	0.47	0.00
2,3,3',4'-TeCB	56	—	375	10.3	150	7.13	0.04
2,3,3',5-TeCB	57	—	nd	9.71	—	—	—
2,3,3',5'-TeCB	58	—	nd	9.91	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	87.1	7.9	34.84	1.66	0.01
2,3,4,4'-TeCB	60	—	211	10.4	84.4	4.01	0.02

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400				
KC Sample ID	L56171-13	**Days**	21.03				
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	1270	9.78	508	24.15	0.15
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	27.4	9.36	10.96	0.52	0.00
2,3,4',6-TeCB	64	—	365	8.07	146	6.94	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	584	9.5	233.6	11.11	0.07
2,3',4,5-TeCB	67	—	30.8	8.65	12.32	0.59	0.00
2,3',4,5'-TeCB	68	—	9.98	9.2	3.992	0.19	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	9.01	—	—	—
2,3',5',6-TeCB	73	—	nd	7.81	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	91.7	8.96	36.68	1.74	0.01
3,3',4,5-TeCB	78	—	nd	10.3	—	—	—
3,3',4,5'-TeCB	79	—	15	8.04	6	0.29	0.00
3,3',5,5'-TeCB	80	—	nd	9.34	—	—	—
3,4,4',5-TeCB	81	—	nd	9.51	—	—	—
2,2',3,3',4-PeCB	82	—	158	17.1	63.2	3.00	0.02
2,2',3,3',5-PeCB	83	83 + 99	501	14.6	200.4	9.53	0.06
2,2',3,3',6-PeCB	84	—	258	17	103.2	4.91	0.03
2,2',3,4,4'-PeCB	85	85 + 116 + 117	185	13	74	3.52	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	796	12.7	318.4	15.14	0.09
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	141	15	56.4	2.68	0.02
2,2',3,4,6'-PeCB	89	—	nd	16	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	945	12.9	378	17.97	0.11

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-13	**Days**	21.03
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	159	15.3	63.6	3.02	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	758	14.6	303.2	14.41	0.09
2,2',3,5,6'-PeCB	94	—	nd	16.1	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	9.82	9.51	3.928	0.19	0.00
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	13.6	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	10.5	—	—	—
2,3,3',4,4'-PeCB	105	—	447	12.1	178.8	8.50	0.05
2,3,3',4,5-PeCB	106	—	nd	12.3	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	48.9	13.6	19.56	0.93	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	78.4	12.5	31.36	1.49	0.01
2,3,3',4',6-PeCB	110	110 + 115	1240	11.5	496	23.58	0.14
2,3,3',5,5'-PeCB	111	—	nd	11.5	—	—	—
2,3,3',5,6-PeCB	112	—	nd	11	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	24.8	12.1	9.92	0.47	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	925	11	370	17.59	0.11
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	10.6	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-13	**Days**	21.03
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	11.4	—	—	—
2',3,3',4,5-PeCB	122	—	nd	14.1	—	—	—
2',3,4,4',5-PeCB	123	—	23.9	12.4	9.56	0.45	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	19.8	13	7.92	0.38	0.00
3,3',4,5,5'-PeCB	127	—	nd	13.2	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	278	16.3	111.2	5.29	0.03
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	1470	15.9	588	27.95	0.17
2,2',3,3',4,5'-HxCB	130	—	102	20.2	40.8	1.94	0.01
2,2',3,3',4,6-HxCB	131	—	18.6	18.4	7.44	0.35	0.00
2,2',3,3',4,6'-HxCB	132	—	471	19.4	188.4	8.96	0.05
2,2',3,3',5,5'-HxCB	133	—	22.1	18.6	8.84	0.42	0.00
2,2',3,3',5,6-HxCB	134	134 + 143	72	18.8	28.8	1.37	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	389	16.2	155.6	7.40	0.05
2,2',3,3',6,6'-HxCB	136	—	124	11	49.6	2.36	0.01
2,2',3,4,4',5-HxCB	137	—	78.2	17.7	31.28	1.49	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	32.4	17.8	12.96	0.62	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	274	18	109.6	5.21	0.03
2,2',3,4,5,6-HxCB	142	—	nd	18.8	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	59.7	16.4	23.88	1.14	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	12.6	—	—	—
2,2',3,4',5,5'-HxCB	146	—	206	16.2	82.4	3.92	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	1050	17.3	420	19.97	0.12
2,2',3,4',5,6'-HxCB	148	—	nd	16.4	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	11.2	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-13	**Days**	21.03
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	10.9	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	1100	14.5	440	20.92	0.13
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	10.5	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	203	15.4	81.2	3.86	0.02
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	164	12.6	65.6	3.12	0.02
2,3,3',4,5,5'-HxCB	159	—	15.8	13.4	6.32	0.30	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	12.9	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	13.4	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	113	14	45.2	2.15	0.01
2,3,3',5,5',6-HxCB	165	—	nd	15	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	69.5	11.3	27.8	1.32	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	11.8	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	369	19.3	147.6	7.02	0.04
2,2',3,3',4,4',6-HpCB	171	171 + 173	120	21.6	48	2.28	0.01
2,2',3,3',4,5,5'-HpCB	172	—	88.8	21.7	35.52	1.69	0.01
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	416	20.2	166.4	7.91	0.05
2,2',3,3',4,5',6-HpCB	175	—	23.5	19.4	9.4	0.45	0.00
2,2',3,3',4,6,6'-HpCB	176	—	39.9	14.7	15.96	0.76	0.00
2,2',3,3',4',5,6-HpCB	177	—	239	36.2	95.6	4.54	0.03
2,2',3,3',5,5',6-HpCB	178	—	82.4	20.8	32.96	1.57	0.01
2,2',3,3',5,6,6'-HpCB	179	—	174	14.5	69.6	3.31	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	865	14.9	346	16.45	0.10

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56171-13	**Days**	21.03
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	21.5	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	20.2	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	301	20.5	120.4	5.72	0.03
2,2',3,4,4',6,6'-HpCB	184	—	nd	13.8	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	15.6	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	577	19.5	230.8	10.97	0.07
2,2',3,4',5,6,6'-HpCB	188	—	nd	12.9	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	20.4	12.3	8.16	0.39	0.00
2,3,3',4,4',5,6-HpCB	190	—	69.8	15.4	27.92	1.33	0.01
2,3,3',4,4',5',6-HpCB	191	—	nd	15.4	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	18.7	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	384	34.9	153.6	7.30	0.04
2,2',3,3',4,4',5,6-OcCB	195	—	150	39.5	60	2.85	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	170	33.1	68	3.23	0.02
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	73.3	23.2	29.32	1.39	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	434	33.9	173.6	8.25	0.05
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	56.6	22.7	22.64	1.08	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	101	24.9	40.4	1.92	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	301	32.8	120.4	5.72	0.03
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	23.6	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	11.3	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	245	21.4	98	4.66	0.03
2,2',3,3',4,4',5,6,6'-NoCB	207	—	30.9	29.6	12.36	0.59	0.00
2,2',3,3',4,5,5',6,6'-NoCB	208	—	77.1	26.2	30.84	1.47	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	78.7	16	31.48	1.50	0.01

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	105	76.5	42	1.98	0.01
2,3-DiCB	5	—	nd	60.7	—	—	—
2,3'-DiCB	6	—	90.1	55.2	36.04	1.70	0.01
2,4-DiCB	7	—	nd	57.4	—	—	—
2,4'-DiCB	8	—	317	51.9	126.8	5.98	0.04
2,5-DiCB	9	—	110	54.9	44	2.08	0.01
2,6-DiCB	10	—	nd	54.9	—	—	—
3,3'-DiCB	11	—	1840	62.9	736	34.72	0.21
3,4-DiCB	12	12 + 13	nd	61.2	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	58.5	—	—	—
4,4'-DiCB	15	—	220	51.8	88	4.15	0.03
2,2',3-TriCB	16	—	133	7.95	53.2	2.51	0.02
2,2',4-TriCB	17	—	140	6.95	56	2.64	0.02
2,2',5-TriCB	18	18 + 30	290	5.61	116	5.47	0.03
2,2',6-TriCB	19	—	30.7	6.37	12.28	0.58	0.00
2,3,3'-TriCB	20	20 + 28	453	5.29	181.2	8.55	0.05
2,3,4-TriCB	21	21 + 33	253	5.21	101.2	4.77	0.03
2,3,4'-TriCB	22	—	225	5.89	90	4.25	0.03
2,3,5-TriCB	23	—	nd	5.56	—	—	—
2,3,6-TriCB	24	—	5.75	5.27	2.3	0.11	0.00
2,3',4-TriCB	25	—	33.4	4.58	13.36	0.63	0.00
2,3',5-TriCB	26	26 + 29	38.7	5.31	15.48	0.73	0.00
2,3',6-TriCB	27	—	26	11.4	10.4	0.49	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	362	4.88	144.8	6.83	0.04
2,4',6-TriCB	32	—	85.3	4.86	34.12	1.61	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	5.17	—	—	—
3,3',4-TriCB	35	—	45.8	6.21	18.32	0.86	0.01
3,3',5-TriCB	36	—	nd	5.51	—	—	—
3,4,4'-TriCB	37	—	229	5.96	91.6	4.32	0.03
3,4,5-TriCB	38	—	nd	5.32	—	—	—
3,4',5-TriCB	39	—	nd	5.52	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	221	10.6	88.4	4.17	0.03
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	98.7	11.3	39.48	1.86	0.01
2,2',3,5-TeCB	43	—	nd	12.2	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	nd	9.74	—	—	—
2,2',3,6-TeCB	45	45 + 51	76.8	9.99	30.72	1.45	0.01
2,2',3,6'-TeCB	46	—	22.4	11.7	8.96	0.42	0.00
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	74.2	10.7	29.68	1.40	0.01
2,2',4,5'-TeCB	49	49 + 69	203	8.76	81.2	3.83	0.02
2,2',4,6-TeCB	50	50 + 53	54.9	9.48	21.96	1.04	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	489	9.66	195.6	9.23	0.06
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	6.18	—	—	—
2,3,3',4-TeCB	55	—	nd	10.6	—	—	—
2,3,3',4'-TeCB	56	—	231	10.4	92.4	4.36	0.03
2,3,3',5-TeCB	57	—	nd	9.42	—	—	—
2,3,3',5'-TeCB	58	—	nd	9.42	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	35.6	7.75	14.24	0.67	0.00
2,3,4,4'-TeCB	60	—	128	10.2	51.2	2.42	0.01

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	864	9.45	345.6	16.30	0.10
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	12.2	9.14	4.88	0.23	0.00
2,3,4',6-TeCB	64	—	183	7.9	73.2	3.45	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	362	9.67	144.8	6.83	0.04
2,3',4,5-TeCB	67	—	16.9	8.4	6.76	0.32	0.00
2,3',4,5'-TeCB	68	—	nd	8.93	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	9	—	—	—
2,3',5',6-TeCB	73	—	nd	7.79	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	113	9.43	45.2	2.13	0.01
3,3',4,5-TeCB	78	—	nd	10.6	—	—	—
3,3',4,5'-TeCB	79	—	15	8.14	6	0.28	0.00
3,3',5,5'-TeCB	80	—	nd	9.25	—	—	—
3,4,4',5-TeCB	81	—	nd	9.5	—	—	—
2,2',3,3',4-PeCB	82	—	165	21.5	66	3.11	0.02
2,2',3,3',5-PeCB	83	83 + 99	547	19.9	218.8	10.32	0.06
2,2',3,3',6-PeCB	84	—	244	22.1	97.6	4.60	0.03
2,2',3,4,4'-PeCB	85	85 + 116 + 117	196	16.4	78.4	3.70	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	994	16.8	397.6	18.76	0.11
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	114	19.2	45.6	2.15	0.01
2,2',3,4,6'-PeCB	89	—	nd	20.1	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	887	16.5	354.8	16.74	0.10

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	148	19.3	59.2	2.79	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	680	18.8	272	12.83	0.08
2,2',3,5,6'-PeCB	94	—	nd	20.9	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	9.89	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	16.7	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	11.4	—	—	—
2,3,3',4,4'-PeCB	105	—	530	13.4	212	10.00	0.06
2,3,3',4,5-PeCB	106	—	nd	14	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	46.2	14.5	18.48	0.87	0.01
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	83	12.7	33.2	1.57	0.01
2,3,3',4',6-PeCB	110	110 + 115	1300	14.5	520	24.53	0.15
2,3,3',5,5'-PeCB	111	—	nd	14.4	—	—	—
2,3,3',5,6-PeCB	112	—	nd	14.4	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	24.4	12.2	9.76	0.46	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	1070	11.1	428	20.19	0.12
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	13.6	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	14.3	—	—	—
2',3,3',4,5-PeCB	122	—	18.1	15.3	7.24	0.34	0.00
2',3,4,4',5-PeCB	123	—	23.4	12.9	9.36	0.44	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	20	13.6	8	0.38	0.00
3,3',4,5,5'-PeCB	127	—	nd	13.9	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	310	17.2	124	5.85	0.04
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	1890	17.6	756	35.66	0.22
2,2',3,3',4,5'-HxCB	130	—	117	22.7	46.8	2.21	0.01
2,2',3,3',4,6-HxCB	131	—	26.6	20.3	10.64	0.50	0.00
2,2',3,3',4,6'-HxCB	132	—	520	21.7	208	9.81	0.06
2,2',3,3',5,5'-HxCB	133	—	nd	20.7	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	78.4	21.9	31.36	1.48	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	351	15.6	140.4	6.62	0.04
2,2',3,3',6,6'-HxCB	136	—	131	11.5	52.4	2.47	0.02
2,2',3,4,4',5-HxCB	137	—	84.8	20.4	33.92	1.60	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	25.4	18.9	10.16	0.48	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	317	20.4	126.8	5.98	0.04
2,2',3,4,5,6-HxCB	142	—	nd	22.2	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	53.4	15.9	21.36	1.01	0.01
2,2',3,4,6,6'-HxCB	145	—	nd	12.7	—	—	—
2,2',3,4',5,5'-HxCB	146	—	248	19.4	99.2	4.68	0.03
2,2',3,4',5,6-HxCB	147	147 + 149	1410	20.4	564	26.61	0.16
2,2',3,4',5,6'-HxCB	148	—	nd	15.9	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	11.8	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	10.6	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	1330	15.5	532	25.10	0.15
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	10.7	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	234	16.4	93.6	4.42	0.03
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	186	13.4	74.4	3.51	0.02
2,3,3',4,5,5'-HxCB	159	—	30.9	14.6	12.36	0.58	0.00
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	13.5	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	14.9	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	135	14.9	54	2.55	0.02
2,3,3',5,5',6-HxCB	165	—	nd	16.6	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	76.8	12	30.72	1.45	0.01
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	12.6	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	542	24.4	216.8	10.23	0.06
2,2',3,3',4,4',6-HpCB	171	171 + 173	152	27.9	60.8	2.87	0.02
2,2',3,3',4,5,5'-HpCB	172	—	119	26.5	47.6	2.25	0.01
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	509	25.1	203.6	9.60	0.06
2,2',3,3',4,5',6-HpCB	175	—	nd	23.9	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	37.2	17.2	14.88	0.70	0.00
2,2',3,3',4',5,6-HpCB	177	—	263	25.4	105.2	4.96	0.03
2,2',3,3',5,5',6-HpCB	178	—	90.1	24.8	36.04	1.70	0.01
2,2',3,3',5,6,6'-HpCB	179	—	181	17.5	72.4	3.42	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	1220	19.5	488	23.02	0.14

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56292-15	**Days**	21.20
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	26.1	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	24.7	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	360	24.4	144	6.79	0.04
2,2',3,4,4',6,6'-HpCB	184	—	nd	16	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	19.7	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	622	23.7	248.8	11.74	0.07
2,2',3,4',5,6,6'-HpCB	188	—	nd	16.4	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	24.2	12.8	9.68	0.46	0.00
2,3,3',4,4',5,6-HpCB	190	—	110	19.6	44	2.08	0.01
2,3,3',4,4',5',6-HpCB	191	—	25.5	19.2	10.2	0.48	0.00
2,3,3',4,5,5',6-HpCB	192	—	nd	22.3	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	441	19.8	176.4	8.32	0.05
2,2',3,3',4,4',5,6-OcCB	195	—	136	22.8	54.4	2.57	0.02
2,2',3,3',4,4',5,6'-OcCB	196	—	235	26.1	94	4.43	0.03
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	94.9	26.4	37.96	1.79	0.01
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	552	27.8	220.8	10.42	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	56.4	20.6	22.56	1.06	0.01
2,2',3,3',5,5',6,6'-OcCB	202	—	103	21.2	41.2	1.94	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	321	25.5	128.4	6.06	0.04
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	20.3	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	24.3	14.6	9.72	0.46	0.00
2,2',3,3',4,4',5,5',6-NoCB	206	—	335	27.2	134	6.32	0.04
2,2',3,3',4,4',5,6,6'-NoCB	207	—	40	33.4	16	0.75	0.00
2,2',3,3',4,5,5',6,6'-NoCB	208	—	83.7	31.4	33.48	1.58	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	94.6	18.7	37.84	1.79	0.01

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	12	7.23	39	2.78	0.08
2,3-DiCB	5	—	nd	6.12	—	—	—
2,3'-DiCB	6	—	7.03	5.33	22.8475	1.63	0.04
2,4-DiCB	7	—	14.2	5.51	46.15	3.28	0.09
2,4'-DiCB	8	—	26.4	4.95	85.8	6.11	0.17
2,5-DiCB	9	—	10.7	5.15	34.775	2.47	0.07
2,6-DiCB	10	—	nd	5.17	—	—	—
3,3'-DiCB	11	—	50	6.14	162.5	11.56	0.32
3,4-DiCB	12	12 + 13	nd	6.24	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	5.72	—	—	—
4,4'-DiCB	15	—	11.5	5.74	37.375	2.66	0.07
2,2',3-TriCB	16	—	12.8	2.06	41.6	2.96	0.08
2,2',4-TriCB	17	—	15.9	1.83	51.675	3.68	0.10
2,2',5-TriCB	18	18 + 30	28.5	1.48	92.625	6.59	0.18
2,2',6-TriCB	19	—	4.31	1.78	14.0075	1.00	0.03
2,3,3'-TriCB	20	20 + 28	23.2	1.43	75.4	5.37	0.15
2,3,4-TriCB	21	21 + 33	15.6	1.42	50.7	3.61	0.10
2,3,4'-TriCB	22	—	11.2	1.58	36.4	2.59	0.07
2,3,5-TriCB	23	—	nd	1.49	—	—	—
2,3,6-TriCB	24	—	nd	1.38	—	—	—
2,3',4-TriCB	25	—	1.43	1.24	4.6475	0.33	0.01
2,3',5-TriCB	26	26 + 29	5.25	1.42	17.0625	1.21	0.03
2,3',6-TriCB	27	—	1.37	1.24	4.4525	0.32	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	20.4	1.33	66.3	4.72	0.13
2,4',6-TriCB	32	—	6.35	1.29	20.6375	1.47	0.04
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.42	—	—	—
3,3',4-TriCB	35	—	nd	1.63	—	—	—
3,3',5-TriCB	36	—	nd	1.48	—	—	—
3,4,4'-TriCB	37	—	5.75	1.47	18.6875	1.33	0.04
3,4,5-TriCB	38	—	nd	1.45	—	—	—
3,4',5-TriCB	39	—	nd	1.49	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	10.4	3.52	33.8	2.41	0.07
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	nd	3.85	—	—	—
2,2',3,5-TeCB	43	—	nd	4.54	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	16.5	3.22	53.625	3.82	0.10
2,2',3,6-TeCB	45	45 + 51	5.63	3.31	18.2975	1.30	0.04
2,2',3,6'-TeCB	46	—	nd	3.94	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	nd	3.59	—	—	—
2,2',4,5'-TeCB	49	49 + 69	8.04	2.95	26.13	1.86	0.05
2,2',4,6-TeCB	50	50 + 53	nd	3.18	—	—	—
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	21.9	3.14	71.175	5.07	0.14
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	2.34	—	—	—
2,3,3',4-TeCB	55	—	nd	2.48	—	—	—
2,3,3',4'-TeCB	56	—	4.98	2.44	16.185	1.15	0.03
2,3,3',5-TeCB	57	—	nd	2.34	—	—	—
2,3,3',5'-TeCB	58	—	nd	2.36	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	2.59	—	—	—
2,3,4,4'-TeCB	60	—	3.1	2.37	10.075	0.72	0.02

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	25.1	2.35	81.575	5.81	0.16
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	2.3	—	—	—
2,3,4',6-TeCB	64	—	6.97	2.55	22.6525	1.61	0.04
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	11.4	2.32	37.05	2.64	0.07
2,3',4,5-TeCB	67	—	nd	2.02	—	—	—
2,3',4,5'-TeCB	68	—	nd	2.16	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	2.13	—	—	—
2,3',5',6-TeCB	73	—	nd	2.51	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	nd	1.99	—	—	—
3,3',4,5-TeCB	78	—	nd	2.27	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.91	—	—	—
3,3',5,5'-TeCB	80	—	nd	2.09	—	—	—
3,4,4',5-TeCB	81	—	nd	2	—	—	—
2,2',3,3',4-PeCB	82	—	nd	4.83	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	18.7	4.79	60.775	4.32	0.12
2,2',3,3',6-PeCB	84	—	5.71	5.56	18.5575	1.32	0.04
2,2',3,4,4'-PeCB	85	85 + 116 + 117	4.77	3.77	15.5025	1.10	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	23.5	4.01	76.375	5.44	0.15
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	nd	4.73	—	—	—
2,2',3,4,6'-PeCB	89	—	nd	5.12	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	22.1	4.04	71.825	5.11	0.14

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	nd	4.56	—	—	—
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	22.3	4.67	72.475	5.16	0.14
2,2',3,5,6'-PeCB	94	—	nd	5.13	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	3	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	4.14	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	4.45	—	—	—
2,3,3',4,4'-PeCB	105	—	9.15	3.5	29.7375	2.12	0.06
2,3,3',4,5-PeCB	106	—	nd	3.5	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	3.7	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	3.3	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	25.4	3.27	82.55	5.87	0.16
2,3,3',5,5'-PeCB	111	—	nd	3.43	—	—	—
2,3,3',5,6-PeCB	112	—	nd	3.64	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	3.04	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	22.1	2.78	71.825	5.11	0.14
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	3.3	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	3.46	—	—	—
2',3,3',4,5-PeCB	122	—	nd	4	—	—	—
2',3,4,4',5-PeCB	123	—	nd	3.47	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	3.55	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	3.53	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	10.6	3.98	34.45	2.45	0.07
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	45.7	3.95	148.525	10.57	0.29
2,2',3,3',4,5'-HxCB	130	—	nd	4.91	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	4.48	—	—	—
2,2',3,3',4,6'-HxCB	132	—	9.92	4.87	32.24	2.29	0.06
2,2',3,3',5,5'-HxCB	133	—	nd	4.63	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	4.67	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	8.75	5.73	28.4375	2.02	0.06
2,2',3,3',6,6'-HxCB	136	—	nd	4.24	—	—	—
2,2',3,4,4',5-HxCB	137	—	nd	4.62	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	4.3	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	7.96	4.58	25.87	1.84	0.05
2,2',3,4,5,6-HxCB	142	—	nd	4.77	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	5.87	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	4.62	—	—	—
2,2',3,4',5,5'-HxCB	146	—	8.1	4.22	26.325	1.87	0.05
2,2',3,4',5,6-HxCB	147	147 + 149	23.1	4.19	75.075	5.34	0.15
2,2',3,4',5,6'-HxCB	148	—	nd	5.14	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	4.3	—	—	—

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	3.91	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	30	3.52	97.5	6.94	0.19
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	3.94	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	6.6	3.64	21.45	1.53	0.04
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	3.27	3.16	10.6275	0.76	0.02
2,3,3',4,5,5'-HxCB	159	—	nd	3.33	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	3.07	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	3.33	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	3.3	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	3.69	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	2.8	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	2.64	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	11.8	4.75	38.35	2.73	0.07
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	5.34	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	5.41	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	11	5.18	35.75	2.54	0.07
2,2',3,3',4,5',6-HpCB	175	—	nd	4.83	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	3.67	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	7.24	5.24	23.53	1.67	0.05
2,2',3,3',5,5',6-HpCB	178	—	nd	5.13	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	5.84	3.66	18.98	1.35	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	23.8	4.03	77.35	5.50	0.15

Table C-21. PCB Flux Calculations by Congener for Kent SC Station (Kent_SC)

Workgroup	WG41911	**Total Volume (mL)**	3250
KC Sample ID	L56620-5	**Days**	14.05
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	5.17	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	4.96	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	7.45	4.93	24.2125	1.72	0.05
2,2',3,4,4',6,6'-HpCB	184	—	nd	3.51	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	3.9	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	14.9	4.78	48.425	3.45	0.09
2,2',3,4',5,6,6'-HpCB	188	—	nd	3.9	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.69	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	3.66	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	3.79	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	4.21	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	7.87	3.95	25.5775	1.82	0.05
2,2',3,3',4,4',5,6-OcCB	195	—	nd	4.32	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	5.35	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	4.15	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	10	5.57	32.5	2.31	0.06
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	4.12	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	5	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	nd	5.23	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	4.16	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	2.73	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	5.81	5.41	18.8825	1.34	0.04
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	6.3	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	5.25	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	4.56	—	—	—

[a] Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	7.63	3.54	16.786	0.58	0.02
3-MoCB	2	—	5.12	3.67	11.264	0.39	0.01
4-MoCB	3	—	13.2	0.966	29.04	1.00	0.03
2,2'-DiCB	4	—	7.43	3.23	16.346	0.57	0.02
2,3-DiCB	5	—	nd	2.2	—	—	—
2,3'-DiCB	6	—	4.87	1.93	10.714	0.37	0.01
2,4-DiCB	7	—	2.14	1.97	4.708	0.16	0.00
2,4'-DiCB	8	—	16.3	1.76	35.86	1.24	0.03
2,5-DiCB	9	—	nd	1.91	—	—	—
2,6-DiCB	10	—	nd	1.9	—	—	—
3,3'-DiCB	11	—	88	2.09	193.6	6.69	0.18
3,4-DiCB	12	12 + 13	3.88	2.15	8.536	0.30	0.01
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2	—	—	—
4,4'-DiCB	15	—	16.7	2.04	36.74	1.27	0.03
2,2',3-TriCB	16	—	12.8	1.63	28.16	0.97	0.03
2,2',4-TriCB	17	—	11.3	1.45	24.86	0.86	0.02
2,2',5-TriCB	18	18 + 30	25.5	3.95	56.1	1.94	0.05
2,2',6-TriCB	19	—	2.78	1.59	6.116	0.21	0.01
2,3,3'-TriCB	20	20 + 28	48.6	1.21	106.92	3.70	0.10
2,3,4-TriCB	21	21 + 33	29.4	1.16	64.68	2.24	0.06
2,3,4'-TriCB	22	—	20.6	1.36	45.32	1.57	0.04
2,3,5-TriCB	23	—	nd	1.2	—	—	—
2,3,6-TriCB	24	—	nd	1.04	—	—	—
2,3',4-TriCB	25	—	2.88	1.03	6.336	0.22	0.01
2,3',5-TriCB	26	26 + 29	7.84	1.18	17.248	0.60	0.02
2,3',6-TriCB	27	—	1.74	1.03	3.828	0.13	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	41.9	1.12	92.18	3.19	0.09
2,4',6-TriCB	32	—	8.47	1.1	18.634	0.64	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.19	—	—	—
3,3',4-TriCB	35	—	5.54	1.26	12.188	0.42	0.01
3,3',5-TriCB	36	—	1.82	1.23	4.004	0.14	0.00
3,4,4'-TriCB	37	—	11.1	1.15	24.42	0.84	0.02
3,4,5-TriCB	38	—	nd	1.27	—	—	—
3,4',5-TriCB	39	—	nd	1.25	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	28.9	2.16	63.58	2.20	0.06
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	13.1	2.12	28.82	1.00	0.03
2,2',3,5-TeCB	43	—	nd	2.78	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	78.2	1.98	172.04	5.95	0.16
2,2',3,6-TeCB	45	45 + 51	13.7	2.06	30.14	1.04	0.03
2,2',3,6'-TeCB	46	—	2.73	2.45	6.006	0.21	0.01
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	11.3	2.18	24.86	0.86	0.02
2,2',4,5'-TeCB	49	49 + 69	34.3	1.85	75.46	2.61	0.07
2,2',4,6-TeCB	50	50 + 53	6.89	1.99	15.158	0.52	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	98.8	2.31	217.36	7.51	0.21
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.3	—	—	—
2,3,3',4-TeCB	55	—	nd	2.04	—	—	—
2,3,3',4'-TeCB	56	—	21.2	2.05	46.64	1.61	0.04
2,3,3',5-TeCB	57	—	nd	1.81	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.83	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	4.87	1.61	10.714	0.37	0.01
2,3,4,4'-TeCB	60	—	16.1	2.04	35.42	1.22	0.03

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	107	1.83	235.4	8.14	0.22
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	1.88	1.84	4.136	0.14	0.00
2,3,4',6-TeCB	64	—	24.3	1.51	53.46	1.85	0.05
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	42.6	1.8	93.72	3.24	0.09
2,3',4,5-TeCB	67	—	nd	1.72	—	—	—
2,3',4,5'-TeCB	68	—	5.42	1.89	11.924	0.41	0.01
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.81	—	—	—
2,3',5',6-TeCB	73	—	nd	1.69	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	3.28	1.59	7.216	0.25	0.01
3,3',4,5-TeCB	78	—	nd	1.78	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.54	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.75	—	—	—
3,4,4',5-TeCB	81	—	nd	1.59	—	—	—
2,2',3,3',4-PeCB	82	—	nd	9.88	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	51.4	9.39	113.08	3.91	0.11
2,2',3,3',6-PeCB	84	—	21.9	10.5	48.18	1.67	0.05
2,2',3,4,4'-PeCB	85	85 + 116 + 117	13.2	7.31	29.04	1.00	0.03
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	59.5	7.62	130.9	4.53	0.12
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	11.3	9.51	24.86	0.86	0.02
2,2',3,4,6'-PeCB	89	—	nd	9.56	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	76.3	7.9	167.86	5.80	0.16

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	12.9	9.27	28.38	0.98	0.03
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	72	8.84	158.4	5.48	0.15
2,2',3,5,6'-PeCB	94	—	nd	10.4	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	6.09	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	8.35	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.69	—	—	—
2,3,3',4,4'-PeCB	105	—	18	4.96	39.6	1.37	0.04
2,3,3',4,5-PeCB	106	—	nd	5.74	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	6.11	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	6.09	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	75.5	6.42	166.1	5.74	0.16
2,3,3',5,5'-PeCB	111	—	nd	6.36	—	—	—
2,3,3',5,6-PeCB	112	—	nd	6.38	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.47	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	54.3	2.27	119.46	4.13	0.11
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	5.9	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	6.85	—	—	—
2',3,3',4,5-PeCB	122	—	nd	6.54	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.48	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.53	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	6.37	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	9.06	8.24	19.932	0.69	0.02
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	87.6	3.78	192.72	6.66	0.18
2,2',3,3',4,5'-HxCB	130	—	4.83	4.68	10.626	0.37	0.01
2,2',3,3',4,6-HxCB	131	—	nd	4.3	—	—	—
2,2',3,3',4,6'-HxCB	132	—	19.9	4.72	43.78	1.51	0.04
2,2',3,3',5,5'-HxCB	133	—	nd	4.41	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	4.51	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	19.6	2.4	43.12	1.49	0.04
2,2',3,3',6,6'-HxCB	136	—	9.35	1.95	20.57	0.71	0.02
2,2',3,4,4',5-HxCB	137	—	nd	4.39	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	4.1	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	12.8	4.24	28.16	0.97	0.03
2,2',3,4,5,6-HxCB	142	—	nd	4.42	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	2.4	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	2.05	—	—	—
2,2',3,4',5,5'-HxCB	146	—	10.1	3.99	22.22	0.77	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	50.3	3.93	110.66	3.83	0.10
2,2',3,4',5,6'-HxCB	148	—	nd	2.48	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	2.01	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.94	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	75	3.41	165	5.70	0.16
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	11.5	2.17	25.3	0.87	0.02
2,3,3',4,4',5-HxCB	156	156 + 157	9.58	3.19	21.076	0.73	0.02
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	6.61	2.91	14.542	0.50	0.01
2,3,3',4,5,5'-HxCB	159	—	nd	3.16	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	3.03	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	3.31	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	3.16	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	3.61	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	2.46	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	2.51	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	14	2.82	30.8	1.06	0.03
2,2',3,3',4,4',6-HpCB	171	171 + 173	4.58	3.46	10.076	0.35	0.01
2,2',3,3',4,5,5'-HpCB	172	—	nd	3.55	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	8.36	3.24	18.392	0.64	0.02
2,2',3,3',4,5',6-HpCB	175	—	nd	3.13	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	2.4	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	5.81	3.34	12.782	0.44	0.01
2,2',3,3',5,5',6-HpCB	178	—	4.2	3.32	9.24	0.32	0.01
2,2',3,3',5,6,6'-HpCB	179	—	7.56	2.29	16.632	0.57	0.02
2,2',3,4,4',5,5'-HpCB	180	180 + 193	33.9	2.51	74.58	2.58	0.07

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	2200
KC Sample ID	L54719-15	**Days**	28.93
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	3.27	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	3.05	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	8.89	3.15	19.558	0.68	0.02
2,2',3,4,4',6,6'-HpCB	184	—	21.2	2.3	46.64	1.61	0.04
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.52	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	24.3	8.77	53.46	1.85	0.05
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.28	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.3	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	2.48	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	2.47	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.73	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	5.43	3.39	11.946	0.41	0.01
2,2',3,3',4,4',5,6-OcCB	195	—	nd	3.48	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	3.01	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	2.16	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	7.01	3.25	15.422	0.53	0.01
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	2.27	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	2.38	2.27	5.236	0.18	0.00
2,2',3,4,4',5,5',6-OcCB	203	—	4.3	2.79	9.46	0.33	0.01
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	2.13	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	2.5	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	4.21	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.89	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	4.21	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	3.92	3.1	8.624	0.30	0.01

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100
KC Sample ID	L54980-14	**Days**	13.98
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	5.99	1.97	18.569	1.33	0.04
3-MoCB	2	—	4.63	2.06	14.353	1.03	0.03
4-MoCB	3	—	15.1	1.92	46.81	3.35	0.09
2,2'-DiCB	4	—	6.73	5.94	20.863	1.49	0.04
2,3-DiCB	5	—	nd	3.89	—	—	—
2,3'-DiCB	6	—	3.54	3.45	10.974	0.79	0.02
2,4-DiCB	7	—	12.4	3.5	38.44	2.75	0.08
2,4'-DiCB	8	—	11.4	3.1	35.34	2.53	0.07
2,5-DiCB	9	—	nd	3.45	—	—	—
2,6-DiCB	10	—	nd	3.45	—	—	—
3,3'-DiCB	11	—	26.8	3.75	83.08	5.94	0.16
3,4-DiCB	12	12 + 13	nd	3.84	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	3.61	—	—	—
4,4'-DiCB	15	—	10	3.49	31	2.22	0.06
2,2',3-TriCB	16	—	4.51	2.58	13.981	1.00	0.03
2,2',4-TriCB	17	—	4.06	2.26	12.586	0.90	0.02
2,2',5-TriCB	18	18 + 30	10.6	1.82	32.86	2.35	0.06
2,2',6-TriCB	19	—	nd	2.38	—	—	—
2,3,3'-TriCB	20	20 + 28	11.4	1.72	35.34	2.53	0.07
2,3,4-TriCB	21	21 + 33	7.27	1.62	22.537	1.61	0.04
2,3,4'-TriCB	22	—	5.55	1.95	17.205	1.23	0.03
2,3,5-TriCB	23	—	nd	1.7	—	—	—
2,3,6-TriCB	24	—	nd	1.58	—	—	—
2,3',4-TriCB	25	—	nd	1.44	—	—	—
2,3',5-TriCB	26	26 + 29	2.58	1.67	7.998	0.57	0.02
2,3',6-TriCB	27	—	nd	1.58	—	—	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100
KC Sample ID	L54980-14	**Days**	13.98
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	9.37	1.57	29.047	2.08	0.06
2,4',6-TriCB	32	—	3.37	1.48	10.447	0.75	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.63	—	—	—
3,3',4-TriCB	35	—	nd	1.6	—	—	—
3,3',5-TriCB	36	—	nd	1.58	—	—	—
3,4,4'-TriCB	37	—	nd	1.45	—	—	—
3,4,5-TriCB	38	—	nd	1.58	—	—	—
3,4',5-TriCB	39	—	nd	1.59	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	nd	2.2	—	—	—
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	nd	2.25	—	—	—
2,2',3,5-TeCB	43	—	nd	2.87	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	8.96	2.06	27.776	1.99	0.05
2,2',3,6-TeCB	45	45 + 51	2.75	2.39	8.525	0.61	0.02
2,2',3,6'-TeCB	46	—	nd	2.87	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	nd	2.33	—	—	—
2,2',4,5'-TeCB	49	49 + 69	2.84	1.92	8.804	0.63	0.02
2,2',4,6-TeCB	50	50 + 53	nd	2.25	—	—	—
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	11.5	2.25	35.65	2.55	0.07
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.77	—	—	—
2,3,3',4-TeCB	55	—	nd	1.92	—	—	—
2,3,3',4'-TeCB	56	—	nd	1.92	—	—	—
2,3,3',5-TeCB	57	—	nd	1.91	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.92	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.65	—	—	—
2,3,4,4'-TeCB	60	—	nd	1.84	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100
KC Sample ID	L54980-14	**Days**	13.98
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	9.48	1.9	29.388	2.10	0.06
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.82	—	—	—
2,3,4',6-TeCB	64	—	2.95	1.52	9.145	0.65	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	3.16	1.75	9.796	0.70	0.02
2,3',4,5-TeCB	67	—	nd	1.74	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.88	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.82	—	—	—
2,3',5',6-TeCB	73	—	nd	1.69	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	nd	1.57	—	—	—
3,3',4,5-TeCB	78	—	nd	1.86	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.56	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.61	—	—	—
3,4,4',5-TeCB	81	—	nd	1.84	—	—	—
2,2',3,3',4-PeCB	82	—	nd	3.26	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	4.84	2.8	15.004	1.07	0.03
2,2',3,3',6-PeCB	84	—	nd	3.36	—	—	—
2,2',3,4,4'-PeCB	85	85 + 116 + 117	nd	2.38	—	—	—
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	6.01	2.4	18.631	1.33	0.04
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	nd	2.95	—	—	—
2,2',3,4,6'-PeCB	89	—	nd	2.98	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	9.29	2.37	28.799	2.06	0.06

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100
KC Sample ID	L54980-14	**Days**	13.98
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	nd	2.71	—	—	—
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	12.9	2.93	39.99	2.86	0.08
2,2',3,5,6'-PeCB	94	—	nd	3.26	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.74	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.65	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.22	—	—	—
2,3,3',4,4'-PeCB	105	—	2.09	1.58	6.479	0.46	0.01
2,3,3',4,5-PeCB	106	—	nd	1.75	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	1.99	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	1.86	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	8.73	2.12	27.063	1.94	0.05
2,3,3',5,5'-PeCB	111	—	nd	2.19	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.93	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	1.75	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	4.33	1.63	13.423	0.96	0.03
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	2.03	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100
KC Sample ID	L54980-14	**Days**	13.98
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.06	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.06	—	—	—
2',3,4,4',5-PeCB	123	—	nd	1.76	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.77	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.82	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	nd	2.36	—	—	—
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	5.18	2.39	16.058	1.15	0.03
2,2',3,3',4,5'-HxCB	130	—	nd	3.07	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	3.08	—	—	—
2,2',3,3',4,6'-HxCB	132	—	nd	3.23	—	—	—
2,2',3,3',5,5'-HxCB	133	—	nd	2.97	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	3.04	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	nd	2.66	—	—	—
2,2',3,3',6,6'-HxCB	136	—	nd	1.88	—	—	—
2,2',3,4,4',5-HxCB	137	—	nd	2.7	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.82	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	nd	2.67	—	—	—
2,2',3,4,5,6-HxCB	142	—	nd	3.09	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	2.68	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	2.02	—	—	—
2,2',3,4',5,5'-HxCB	146	—	nd	2.63	—	—	—
2,2',3,4',5,6-HxCB	147	147 + 149	5.05	2.78	15.655	1.12	0.03
2,2',3,4',5,6'-HxCB	148	—	nd	2.75	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.81	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100				
KC Sample ID	L54980-14	**Days**	13.98				
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.78	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	3.83	2.15	11.873	0.85	0.02
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.04	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	nd	2.21	—	—	—
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	nd	1.88	—	—	—
2,3,3',4,5,5'-HxCB	159	—	nd	1.99	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.94	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.05	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	2.2	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	2.38	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	1.65	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.46	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	nd	2.43	—	—	—
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	2.6	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	2.67	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	nd	2.39	—	—	—
2,2',3,3',4,5',6-HpCB	175	—	nd	2.4	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	1.77	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	nd	2.5	—	—	—
2,2',3,3',5,5',6-HpCB	178	—	nd	2.44	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	nd	1.76	—	—	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	2.71	1.84	8.401	0.60	0.02

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG39373	**Total Volume (mL)**	3100
KC Sample ID	L54980-14	**Days**	13.98
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.58	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.33	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	nd	2.32	—	—	—
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.76	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.89	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	nd	2.24	—	—	—
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.78	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.96	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	1.88	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	1.86	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.09	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	nd	2.89	—	—	—
2,2',3,3',4,4',5,6-OcCB	195	—	nd	3.02	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	2.6	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	2.1	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	nd	2.8	—	—	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	1.94	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	2.08	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	nd	2.54	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.87	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	2.07	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	4.05	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	3.61	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	3.77	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	2.36	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	11.5	0.796	21.85	0.91	0.02
3-MoCB	2	—	9.63	0.959	18.297	0.76	0.02
4-MoCB	3	—	13.6	0.866	25.84	1.08	0.03
2,2'-DiCB	4	—	9.95	3.09	18.905	0.79	0.02
2,3-DiCB	5	—	nd	2.74	—	—	—
2,3'-DiCB	6	—	6.58	2.49	12.502	0.52	0.01
2,4-DiCB	7	—	nd	2.54	—	—	—
2,4'-DiCB	8	—	22.7	2.31	43.13	1.80	0.05
2,5-DiCB	9	—	7.99	2.39	15.181	0.63	0.02
2,6-DiCB	10	—	nd	2.5	—	—	—
3,3'-DiCB	11	—	28.5	2.73	54.15	2.26	0.06
3,4-DiCB	12	12 + 13	nd	2.73	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.57	—	—	—
4,4'-DiCB	15	—	10.1	2.47	19.19	0.80	0.02
2,2',3-TriCB	16	—	12.4	2.44	23.56	0.98	0.03
2,2',4-TriCB	17	—	9.16	2.08	17.404	0.73	0.02
2,2',5-TriCB	18	18 + 30	19.3	1.69	36.67	1.53	0.04
2,2',6-TriCB	19	—	3.84	2.21	7.296	0.30	0.01
2,3,3'-TriCB	20	20 + 28	24.1	1.64	45.79	1.91	0.05
2,3,4-TriCB	21	21 + 33	13.4	1.61	25.46	1.06	0.03
2,3,4'-TriCB	22	—	7.71	1.8	14.649	0.61	0.02
2,3,5-TriCB	23	—	nd	1.73	—	—	—
2,3,6-TriCB	24	—	nd	1.54	—	—	—
2,3',4-TriCB	25	—	nd	1.43	—	—	—
2,3',5-TriCB	26	26 + 29	3.83	1.66	7.277	0.30	0.01
2,3',6-TriCB	27	—	nd	1.38	—	—	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	18.9	1.52	35.91	1.50	0.04
2,4',6-TriCB	32	—	5.71	1.53	10.849	0.45	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.64	—	—	—
3,3',4-TriCB	35	—	nd	1.78	—	—	—
3,3',5-TriCB	36	—	nd	1.65	—	—	—
3,4,4'-TriCB	37	—	3.64	1.57	6.916	0.29	0.01
3,4,5-TriCB	38	—	nd	1.65	—	—	—
3,4',5-TriCB	39	—	nd	1.64	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	5.93	1.92	11.267	0.47	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	3.3	2.02	6.27	0.26	0.01
2,2',3,5-TeCB	43	—	nd	2.27	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	19.3	1.75	36.67	1.53	0.04
2,2',3,6-TeCB	45	45 + 51	4.11	1.89	7.809	0.33	0.01
2,2',3,6'-TeCB	46	—	nd	2.22	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.44	1.96	4.636	0.19	0.01
2,2',4,5'-TeCB	49	49 + 69	8.98	1.61	17.062	0.71	0.02
2,2',4,6-TeCB	50	50 + 53	2.69	1.84	5.111	0.21	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	27.2	1.8	51.68	2.15	0.06
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.35	—	—	—
2,3,3',4-TeCB	55	—	nd	1.36	—	—	—
2,3,3',4'-TeCB	56	—	3.76	1.31	7.144	0.30	0.01
2,3,3',5-TeCB	57	—	nd	1.18	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.26	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.4	—	—	—
2,3,4,4'-TeCB	60	—	1.3	1.29	2.47	0.10	0.00

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	21.5	1.2	40.85	1.70	0.05
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.16	—	—	—
2,3,4',6-TeCB	64	—	4.85	1.37	9.215	0.38	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	6.83	1.21	12.977	0.54	0.01
2,3',4,5-TeCB	67	—	nd	1.07	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.15	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.13	—	—	—
2,3',5',6-TeCB	73	—	nd	1.43	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	1.64	1.16	3.116	0.13	0.00
3,3',4,5-TeCB	78	—	nd	1.33	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.05	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.16	—	—	—
3,4,4',5-TeCB	81	—	nd	1.22	—	—	—
2,2',3,3',4-PeCB	82	—	nd	3.56	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	12.6	3.23	23.94	1.00	0.03
2,2',3,3',6-PeCB	84	—	8.85	3.44	16.815	0.70	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	4.51	2.7	8.569	0.36	0.01
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	15.4	2.75	29.26	1.22	0.03
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	4.3	3	8.17	0.34	0.01
2,2',3,4,6'-PeCB	89	—	nd	3.34	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	22.1	2.69	41.99	1.75	0.05

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	5.58	3.16	10.602	0.44	0.01
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	23	2.98	43.7	1.82	0.05
2,2',3,5,6'-PeCB	94	—	nd	3.29	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.52	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	2.64	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.45	—	—	—
2,3,3',4,4'-PeCB	105	—	8.54	2.59	16.226	0.68	0.02
2,3,3',4,5-PeCB	106	—	nd	3.01	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	3.04	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	2.89	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	29.1	2.3	55.29	2.31	0.06
2,3,3',5,5'-PeCB	111	—	nd	2.39	—	—	—
2,3,3',5,6-PeCB	112	—	nd	2.38	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	2.66	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	16.3	2.31	30.97	1.29	0.04
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	2.28	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	2.37	—	—	—
2',3,3',4,5-PeCB	122	—	nd	3.23	—	—	—
2',3,4,4',5-PeCB	123	—	nd	2.51	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.75	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.86	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	4.54	2.47	8.626	0.36	0.01
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	22.3	2.57	42.37	1.77	0.05
2,2',3,3',4,5'-HxCB	130	—	nd	3.35	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	3.17	—	—	—
2,2',3,3',4,6'-HxCB	132	—	8.36	3.47	15.884	0.66	0.02
2,2',3,3',5,5'-HxCB	133	—	nd	3.13	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	3.26	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	6.54	4.34	12.426	0.52	0.01
2,2',3,3',6,6'-HxCB	136	—	3.28	3.24	6.232	0.26	0.01
2,2',3,4,4',5-HxCB	137	—	nd	3.18	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.97	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	4.63	3	8.797	0.37	0.01
2,2',3,4,5,6-HxCB	142	—	nd	3.28	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	4.41	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	3.47	—	—	—
2,2',3,4',5,5'-HxCB	146	—	4.58	2.9	8.702	0.36	0.01
2,2',3,4',5,6-HxCB	147	147 + 149	15.6	2.85	29.64	1.24	0.03
2,2',3,4',5,6'-HxCB	148	—	nd	4.45	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3.37	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	3.02	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	20	2.27	38	1.58	0.04
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.49	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	3.47	2.3	6.593	0.27	0.01
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	2.01	2	3.819	0.16	0.00
2,3,3',4,5,5'-HxCB	159	—	nd	1.98	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	2.1	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	2.16	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	2.15	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	2.54	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	1.83	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.75	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	3.2	2.88	6.08	0.25	0.01
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	2.89	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	2.77	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	nd	2.56	—	—	—
2,2',3,3',4,5',6-HpCB	175	—	nd	2.58	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	2.08	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	nd	2.74	—	—	—
2,2',3,3',5,5',6-HpCB	178	—	nd	2.8	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	nd	2.13	—	—	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	9.38	2.29	17.822	0.74	0.02

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	1900
KC Sample ID	L55963-21	**Days**	23.99
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.64	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.64	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	nd	2.58	—	—	—
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.04	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.23	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	6.09	2.51	11.571	0.48	0.01
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.9	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	2.91	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	1.82	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	1.87	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.18	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	3.13	2.83	5.947	0.25	0.01
2,2',3,3',4,4',5,6-OcCB	195	—	nd	3.23	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	5.79	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	4.85	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	nd	6.27	—	—	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	4.9	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	5.2	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	nd	5.61	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	4.87	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	2.3	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	5.28	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	4.29	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	4.39	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	4.77	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	10.5	0.814	47.25	1.89	0.05
3-MoCB	2	—	8.38	0.965	37.71	1.51	0.04
4-MoCB	3	—	12.6	0.857	56.7	2.26	0.06
2,2'-DiCB	4	—	6.11	2.69	27.495	1.10	0.03
2,3-DiCB	5	—	nd	2.4	—	—	—
2,3'-DiCB	6	—	4.26	2.18	19.17	0.77	0.02
2,4-DiCB	7	—	3.06	2.22	13.77	0.55	0.02
2,4'-DiCB	8	—	12.7	2.02	57.15	2.28	0.06
2,5-DiCB	9	—	6.42	2.09	28.89	1.15	0.03
2,6-DiCB	10	—	nd	2.18	—	—	—
3,3'-DiCB	11	—	16.9	2.38	76.05	3.04	0.08
3,4-DiCB	12	12 + 13	3.91	2.38	17.595	0.70	0.02
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.24	—	—	—
4,4'-DiCB	15	—	6.64	2.17	29.88	1.19	0.03
2,2',3-TriCB	16	—	6.23	1.89	28.035	1.12	0.03
2,2',4-TriCB	17	—	5.31	1.61	23.895	0.95	0.03
2,2',5-TriCB	18	18 + 30	9.61	1.31	43.245	1.73	0.05
2,2',6-TriCB	19	—	nd	1.68	—	—	—
2,3,3'-TriCB	20	20 + 28	10.3	1.53	46.35	1.85	0.05
2,3,4-TriCB	21	21 + 33	6.62	1.51	29.79	1.19	0.03
2,3,4'-TriCB	22	—	3.81	1.68	17.145	0.68	0.02
2,3,5-TriCB	23	—	nd	1.61	—	—	—
2,3,6-TriCB	24	—	nd	1.19	—	—	—
2,3',4-TriCB	25	—	1.42	1.34	6.39	0.26	0.01
2,3',5-TriCB	26	26 + 29	2.88	1.55	12.96	0.52	0.01
2,3',6-TriCB	27	—	1.25	1.06	5.625	0.22	0.01
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	8.92	1.42	40.14	1.60	0.04
2,4',6-TriCB	32	—	2.86	1.43	12.87	0.51	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	1.53	—	—	—
3,3',4-TriCB	35	—	nd	1.66	—	—	—
3,3',5-TriCB	36	—	nd	1.54	—	—	—
3,4,4'-TriCB	37	—	2.94	1.48	13.23	0.53	0.01
3,4,5-TriCB	38	—	nd	1.54	—	—	—
3,4',5-TriCB	39	—	nd	1.54	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	1.62	1.4	7.29	0.29	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	1.49	1.48	6.705	0.27	0.01
2,2',3,5-TeCB	43	—	nd	1.66	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	12.3	1.28	55.35	2.21	0.06
2,2',3,6-TeCB	45	45 + 51	2.82	1.38	12.69	0.51	0.01
2,2',3,6'-TeCB	46	—	nd	1.62	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	nd	1.43	—	—	—
2,2',4,5'-TeCB	49	49 + 69	5.3	1.18	23.85	0.95	0.03
2,2',4,6-TeCB	50	50 + 53	1.4	1.34	6.3	0.25	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	16.5	1.32	74.25	2.97	0.08
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	1.02	—	—	—
2,3,3',4-TeCB	55	—	nd	1.48	—	—	—
2,3,3',4'-TeCB	56	—	3.79	1.43	17.055	0.68	0.02
2,3,3',5-TeCB	57	—	nd	1.29	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.38	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	1.02	—	—	—
2,3,4,4'-TeCB	60	—	1.42	1.41	6.39	0.26	0.01

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	27.4	1.31	123.3	4.93	0.13
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	1.27	—	—	—
2,3,4',6-TeCB	64	—	3.09	1	13.905	0.56	0.02
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	8.53	1.32	38.385	1.53	0.04
2,3',4,5-TeCB	67	—	nd	1.17	—	—	—
2,3',4,5'-TeCB	68	—	nd	1.25	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	1.23	—	—	—
2,3',5',6-TeCB	73	—	nd	1.04	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	2.22	1.19	9.99	0.40	0.01
3,3',4,5-TeCB	78	—	nd	1.45	—	—	—
3,3',4,5'-TeCB	79	—	nd	1.14	—	—	—
3,3',5,5'-TeCB	80	—	nd	1.26	—	—	—
3,4,4',5-TeCB	81	—	nd	1.37	—	—	—
2,2',3,3',4-PeCB	82	—	nd	2.2	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	15.5	1.99	69.75	2.79	0.08
2,2',3,3',6-PeCB	84	—	5.02	2.12	22.59	0.90	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	4.92	1.67	22.14	0.88	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	18	1.7	81	3.24	0.09
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	1.87	1.85	8.415	0.34	0.01
2,2',3,4,6'-PeCB	89	—	nd	2.06	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	27.2	1.66	122.4	4.89	0.13

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	4.25	1.95	19.125	0.76	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	13.2	1.84	59.4	2.37	0.06
2,2',3,5,6'-PeCB	94	—	nd	2.03	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	2.15	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.63	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	2.14	—	—	—
2,3,3',4,4'-PeCB	105	—	8.08	2	36.36	1.45	0.04
2,3,3',4,5-PeCB	106	—	nd	2.28	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	2.3	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	2.18	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	30.3	1.42	136.35	5.45	0.15
2,3,3',5,5'-PeCB	111	—	nd	1.48	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.47	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	1.93	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	22.7	1.78	102.15	4.08	0.11
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	1.41	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.46	—	—	—
2',3,3',4,5-PeCB	122	—	nd	2.44	—	—	—
2',3,4,4',5-PeCB	123	—	nd	1.9	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	2.15	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	2.16	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	1.73	1.71	7.785	0.31	0.01
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	17.3	1.78	77.85	3.11	0.08
2,2',3,3',4,5'-HxCB	130	—	nd	2.32	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	2.2	—	—	—
2,2',3,3',4,6'-HxCB	132	—	6.31	2.41	28.395	1.13	0.03
2,2',3,3',5,5'-HxCB	133	—	nd	2.17	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	2.26	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	4.85	3.87	21.825	0.87	0.02
2,2',3,3',6,6'-HxCB	136	—	nd	2.88	—	—	—
2,2',3,4,4',5-HxCB	137	—	nd	2.21	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	2.06	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	2.19	2.08	9.855	0.39	0.01
2,2',3,4,5,6-HxCB	142	—	nd	2.27	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	3.93	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	3.09	—	—	—
2,2',3,4',5,5'-HxCB	146	—	2.33	2.01	10.485	0.42	0.01
2,2',3,4',5,6-HxCB	147	147 + 149	11.6	1.97	52.2	2.09	0.06
2,2',3,4',5,6'-HxCB	148	—	nd	3.97	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	3	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	2.69	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	13.6	1.57	61.2	2.44	0.07
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	2.39	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	1.67	1.61	7.515	0.30	0.01
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	1.87	1.39	8.415	0.34	0.01
2,3,3',4,5,5'-HxCB	159	—	nd	1.37	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.46	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.5	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	1.49	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	1.76	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	1.23	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.18	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	nd	2.98	—	—	—
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	2.95	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	2.83	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	nd	2.62	—	—	—
2,2',3,3',4,5',6-HpCB	175	—	nd	2.64	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	2.12	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	nd	2.8	—	—	—
2,2',3,3',5,5',6-HpCB	178	—	nd	2.86	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	nd	2.17	—	—	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	5.29	2.35	23.805	0.95	0.03

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	4500
KC Sample ID	L55793-13	**Days**	25.03
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	2.69	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	2.69	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	nd	2.63	—	—	—
2,2',3,4,4',6,6'-HpCB	184	—	nd	2.08	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	2.28	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	nd	2.57	—	—	—
2,2',3,4',5,6,6'-HpCB	188	—	nd	2.06	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.93	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	1.86	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	1.91	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	2.22	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	nd	2.11	—	—	—
2,2',3,3',4,4',5,6-OcCB	195	—	nd	2.41	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	4.08	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	3.42	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	nd	4.42	—	—	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	3.46	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	3.75	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	nd	3.96	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	3.43	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.71	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	3.01	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.4	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	2.42	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	2.64	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900
KC Sample ID	L56076-17	**Days**	6.98
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	9.92	0.508	28.768	4.12	0.03
3-MoCB	2	—	8.13	0.567	23.577	3.38	0.02
4-MoCB	3	—	12.3	0.514	35.67	5.11	0.03
2,2'-DiCB	4	—	6.54	2.6	18.966	2.72	0.02
2,3-DiCB	5	—	nd	2.08	—	—	—
2,3'-DiCB	6	—	4.36	1.9	12.644	1.81	0.01
2,4-DiCB	7	—	4.68	1.97	13.572	1.94	0.01
2,4'-DiCB	8	—	14.8	1.83	42.92	6.15	0.04
2,5-DiCB	9	—	5.55	1.88	16.095	2.31	0.01
2,6-DiCB	10	—	nd	1.96	—	—	—
3,3'-DiCB	11	—	25.3	2.06	73.37	10.51	0.06
3,4-DiCB	12	12 + 13	nd	2.08	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	1.96	—	—	—
4,4'-DiCB	15	—	6.58	1.92	19.082	2.73	0.02
2,2',3-TriCB	16	—	6.46	1.1	18.734	2.68	0.02
2,2',4-TriCB	17	—	5	0.912	14.5	2.08	0.01
2,2',5-TriCB	18	18 + 30	12.1	0.739	35.09	5.03	0.03
2,2',6-TriCB	19	—	3.31	1.05	9.599	1.37	0.01
2,3,3'-TriCB	20	20 + 28	12.2	0.796	35.38	5.07	0.03
2,3,4-TriCB	21	21 + 33	7.43	0.796	21.547	3.09	0.02
2,3,4'-TriCB	22	—	4.81	0.875	13.949	2.00	0.01
2,3,5-TriCB	23	—	nd	0.851	—	—	—
2,3,6-TriCB	24	—	nd	0.639	—	—	—
2,3',4-TriCB	25	—	nd	0.69	—	—	—
2,3',5-TriCB	26	26 + 29	2.71	0.809	7.859	1.13	0.01
2,3',6-TriCB	27	—	0.687	0.626	1.9923	0.29	0.00
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900
KC Sample ID	L56076-17	**Days**	6.98
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	10.3	0.755	29.87	4.28	0.03
2,4',6-TriCB	32	—	3.16	0.781	9.164	1.31	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.822	—	—	—
3,3',4-TriCB	35	—	0.975	0.87	2.8275	0.40	0.00
3,3',5-TriCB	36	—	nd	0.802	—	—	—
3,4,4'-TriCB	37	—	2.24	0.791	6.496	0.93	0.01
3,4,5-TriCB	38	—	nd	0.792	—	—	—
3,4',5-TriCB	39	—	nd	0.797	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	3.21	0.971	9.309	1.33	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	1.79	1	5.191	0.74	0.00
2,2',3,5-TeCB	43	—	nd	1.13	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	14.4	0.861	41.76	5.98	0.04
2,2',3,6-TeCB	45	45 + 51	3.53	0.95	10.237	1.47	0.01
2,2',3,6'-TeCB	46	—	nd	1.12	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	1.27	0.968	3.683	0.53	0.00
2,2',4,5'-TeCB	49	49 + 69	5.26	0.802	15.254	2.18	0.01
2,2',4,6-TeCB	50	50 + 53	nd	0.923	—	—	—
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	16.1	0.892	46.69	6.69	0.04
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.684	—	—	—
2,3,3',4-TeCB	55	—	nd	1.12	—	—	—
2,3,3',4'-TeCB	56	—	2.42	1.1	7.018	1.01	0.01
2,3,3',5-TeCB	57	—	nd	0.998	—	—	—
2,3,3',5'-TeCB	58	—	nd	1.07	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	0.703	—	—	—
2,3,4,4'-TeCB	60	—	1.11	1.08	3.219	0.46	0.00

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900				
KC Sample ID	L56076-17	**Days**	6.98				
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	14.5	1.02	42.05	6.02	0.04
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.98	—	—	—
2,3,4',6-TeCB	64	—	3.14	0.699	9.106	1.30	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	4.57	1	13.253	1.90	0.01
2,3',4,5-TeCB	67	—	nd	0.908	—	—	—
2,3',4,5'-TeCB	68	—	0.994	0.989	2.8826	0.41	0.00
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.958	—	—	—
2,3',5',6-TeCB	73	—	nd	0.72	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	nd	0.953	—	—	—
3,3',4,5-TeCB	78	—	nd	1.05	—	—	—
3,3',4,5'-TeCB	79	—	nd	0.849	—	—	—
3,3',5,5'-TeCB	80	—	nd	0.952	—	—	—
3,4,4',5-TeCB	81	—	nd	1.02	—	—	—
2,2',3,3',4-PeCB	82	—	1.87	1.57	5.423	0.78	0.00
2,2',3,3',5-PeCB	83	83 + 99	11.5	1.41	33.35	4.78	0.03
2,2',3,3',6-PeCB	84	—	6.98	1.7	20.242	2.90	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	3.72	1.17	10.788	1.55	0.01
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	15.9	1.22	46.11	6.60	0.04
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	2.49	1.47	7.221	1.03	0.01
2,2',3,4,6'-PeCB	89	—	nd	1.53	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	20.9	1.25	60.61	8.68	0.05

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900
KC Sample ID	L56076-17	**Days**	6.98
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	3.38	1.45	9.802	1.40	0.01
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	16.2	1.44	46.98	6.73	0.04
2,2',3,5,6'-PeCB	94	—	nd	1.59	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.21	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.28	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	1.17	—	—	—
2,3,3',4,4'-PeCB	105	—	6.3	1.43	18.27	2.62	0.02
2,3,3',4,5-PeCB	106	—	nd	1.57	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	1.61	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	1.43	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	24.7	1.03	71.63	10.26	0.06
2,3,3',5,5'-PeCB	111	—	nd	1.04	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.05	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	1.47	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	13.9	1.3	40.31	5.77	0.04
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.963	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900
KC Sample ID	L56076-17	**Days**	6.98
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.08	—	—	—
2',3,3',4,5-PeCB	122	—	nd	1.66	—	—	—
2',3,4,4',5-PeCB	123	—	nd	1.44	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	1.54	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	1.49	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	3.47	1.61	10.063	1.44	0.01
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	15.6	1.62	45.24	6.48	0.04
2,2',3,3',4,5'-HxCB	130	—	nd	2.05	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	2.02	—	—	—
2,2',3,3',4,6'-HxCB	132	—	5.67	2.1	16.443	2.35	0.01
2,2',3,3',5,5'-HxCB	133	—	nd	1.9	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	1.96	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	4.75	1.98	13.775	1.97	0.01
2,2',3,3',6,6'-HxCB	136	—	1.97	1.52	5.713	0.82	0.00
2,2',3,4,4',5-HxCB	137	—	nd	1.92	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.78	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	2.51	1.86	7.279	1.04	0.01
2,2',3,4,5,6-HxCB	142	—	nd	1.98	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	2.01	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	1.65	—	—	—
2,2',3,4',5,5'-HxCB	146	—	2.86	1.73	8.294	1.19	0.01
2,2',3,4',5,6-HxCB	147	147 + 149	10.7	1.77	31.03	4.44	0.03
2,2',3,4',5,6'-HxCB	148	—	nd	2.06	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.57	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900
KC Sample ID	L56076-17	**Days**	6.98
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.46	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	10.8	1.42	31.32	4.49	0.03
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	1.38	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	2.88	1.63	8.352	1.20	0.01
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	1.95	1.28	5.655	0.81	0.00
2,3,3',4,5,5'-HxCB	159	—	nd	1.32	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.33	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.39	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	1.34	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	1.57	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	1.3	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	1.22	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	2.06	1.96	5.974	0.86	0.01
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	2.02	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	1.95	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1.86	1.81	5.394	0.77	0.00
2,2',3,3',4,5',6-HpCB	175	—	nd	1.75	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	1.36	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	nd	1.92	—	—	—
2,2',3,3',5,5',6-HpCB	178	—	nd	1.87	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	nd	1.35	—	—	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	4.54	1.56	13.166	1.89	0.01

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41271	**Total Volume (mL)**	2900
KC Sample ID	L56076-17	**Days**	6.98
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	1.86	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	1.75	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	nd	1.79	—	—	—
2,2',3,4,4',6,6'-HpCB	184	—	nd	1.31	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.43	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	2.27	1.7	6.583	0.94	0.01
2,2',3,4',5,6,6'-HpCB	188	—	nd	1.35	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	1.36	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	1.38	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	1.41	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	1.56	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	nd	1.44	—	—	—
2,2',3,3',4,4',5,6-OcCB	195	—	nd	1.48	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	2.79	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	2.21	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	nd	3	—	—	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	2.22	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	2.52	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	nd	2.76	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	2.27	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	1.13	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	3.13	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.5	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	2.53	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	1.88	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600
KC Sample ID	L56171-17	**Days**	21.06
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	nd	36.8	—	—	—
2,3-DiCB	5	—	nd	26	—	—	—
2,3'-DiCB	6	—	28.2	23.3	16.92	0.80	0.00
2,4-DiCB	7	—	nd	24.1	—	—	—
2,4'-DiCB	8	—	113	22.1	67.8	3.22	0.02
2,5-DiCB	9	—	30.4	22.9	18.24	0.87	0.01
2,6-DiCB	10	—	nd	23.7	—	—	—
3,3'-DiCB	11	—	265	25.3	159	7.55	0.05
3,4-DiCB	12	12 + 13	nd	25.9	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	24.3	—	—	—
4,4'-DiCB	15	—	101	21.5	60.6	2.88	0.02
2,2',3-TriCB	16	—	61.8	7.25	37.08	1.76	0.01
2,2',4-TriCB	17	—	58.6	16.9	35.16	1.67	0.01
2,2',5-TriCB	18	18 + 30	108	5.09	64.8	3.08	0.02
2,2',6-TriCB	19	—	13.9	7.34	8.34	0.40	0.00
2,3,3'-TriCB	20	20 + 28	208	4.75	124.8	5.93	0.04
2,3,4-TriCB	21	21 + 33	115	4.66	69	3.28	0.02
2,3,4'-TriCB	22	—	80.8	5.09	48.48	2.30	0.01
2,3,5-TriCB	23	—	nd	4.93	—	—	—
2,3,6-TriCB	24	—	nd	4.62	—	—	—
2,3',4-TriCB	25	—	13.8	4.24	8.28	0.39	0.00
2,3',5-TriCB	26	26 + 29	33.1	4.7	19.86	0.94	0.01
2,3',6-TriCB	27	—	nd	11.5	—	—	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600				
KC Sample ID	L56171-17	**Days**	21.06				
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	162	4.38	97.2	4.61	0.03
2,4',6-TriCB	32	—	30.4	4.35	18.24	0.87	0.01
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	4.67	—	—	—
3,3',4-TriCB	35	—	8.61	5.24	5.166	0.25	0.00
3,3',5-TriCB	36	—	nd	4.8	—	—	—
3,4,4'-TriCB	37	—	78.7	4.47	47.22	2.24	0.01
3,4,5-TriCB	38	—	nd	4.78	—	—	—
3,4',5-TriCB	39	—	nd	4.74	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	72.7	6.7	43.62	2.07	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	28.2	7.07	16.92	0.80	0.00
2,2',3,5-TeCB	43	—	nd	8.09	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	242	6.14	145.2	6.89	0.04
2,2',3,6-TeCB	45	45 + 51	26	6.53	15.6	0.74	0.00
2,2',3,6'-TeCB	46	—	nd	7.58	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	27.2	6.8	16.32	0.77	0.00
2,2',4,5'-TeCB	49	49 + 69	109	5.64	65.4	3.11	0.02
2,2',4,6-TeCB	50	50 + 53	18.1	6.19	10.86	0.52	0.00
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	398	6.24	238.8	11.34	0.07
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	5.22	—	—	—
2,3,3',4-TeCB	55	—	nd	6.29	—	—	—
2,3,3',4'-TeCB	56	—	65.1	6.13	39.06	1.85	0.01
2,3,3',5-TeCB	57	—	nd	5.77	—	—	—
2,3,3',5'-TeCB	58	—	nd	5.88	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	10.6	4.96	6.36	0.30	0.00
2,3,4,4'-TeCB	60	—	34.1	6.18	20.46	0.97	0.01

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600				
KC Sample ID	L56171-17	**Days**	21.06				
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	421	5.81	252.6	11.99	0.07
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	6.67	5.56	4.002	0.19	0.00
2,3,4',6-TeCB	64	—	79.2	5.07	47.52	2.26	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	123	5.64	73.8	3.50	0.02
2,3',4,5-TeCB	67	—	nd	5.14	—	—	—
2,3',4,5'-TeCB	68	—	nd	5.46	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	5.35	—	—	—
2,3',5',6-TeCB	73	—	nd	4.9	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	16.9	5.12	10.14	0.48	0.00
3,3',4,5-TeCB	78	—	nd	6.12	—	—	—
3,3',4,5'-TeCB	79	—	7.57	4.77	4.542	0.22	0.00
3,3',5,5'-TeCB	80	—	nd	5.55	—	—	—
3,4,4',5-TeCB	81	—	nd	5.37	—	—	—
2,2',3,3',4-PeCB	82	—	82.5	11.1	49.5	2.35	0.01
2,2',3,3',5-PeCB	83	83 + 99	336	9.43	201.6	9.57	0.06
2,2',3,3',6-PeCB	84	—	195	11	117	5.55	0.03
2,2',3,4,4'-PeCB	85	85 + 116 + 117	102	8.4	61.2	2.91	0.02
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	482	8.21	289.2	13.73	0.08
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	89.7	9.71	53.82	2.56	0.02
2,2',3,4,6'-PeCB	89	—	nd	10.4	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	629	8.37	377.4	17.92	0.11

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600
KC Sample ID	L56171-17	**Days**	21.06
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	119	9.91	71.4	3.39	0.02
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	552	9.48	331.2	15.72	0.10
2,2',3,5,6'-PeCB	94	—	nd	10.4	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	6.77	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	8.84	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	7.59	—	—	—
2,3,3',4,4'-PeCB	105	—	214	6.38	128.4	6.10	0.04
2,3,3',4,5-PeCB	106	—	nd	6.51	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	25.2	7.23	15.12	0.72	0.00
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	38.4	6.61	23.04	1.09	0.01
2,3,3',4',6-PeCB	110	110 + 115	739	7.46	443.4	21.05	0.13
2,3,3',5,5'-PeCB	111	—	nd	7.42	—	—	—
2,3,3',5,6-PeCB	112	—	nd	7.11	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	10.1	6.34	6.06	0.29	0.00
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	498	5.75	298.8	14.19	0.09
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	6.89	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600
KC Sample ID	L56171-17	**Days**	21.06
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	7.38	—	—	—
2',3,3',4,5-PeCB	122	—	7.7	7.5	4.62	0.22	0.00
2',3,4,4',5-PeCB	123	—	7.52	6.75	4.512	0.21	0.00
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	6.94	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	6.97	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	119	10.2	71.4	3.39	0.02
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	651	9.99	390.6	18.54	0.11
2,2',3,3',4,5'-HxCB	130	—	43.3	12.7	25.98	1.23	0.01
2,2',3,3',4,6-HxCB	131	—	15.1	11.5	9.06	0.43	0.00
2,2',3,3',4,6'-HxCB	132	—	242	12.2	145.2	6.89	0.04
2,2',3,3',5,5'-HxCB	133	—	nd	11.6	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	33.9	11.8	20.34	0.97	0.01
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	158	9.34	94.8	4.50	0.03
2,2',3,3',6,6'-HxCB	136	—	66.4	6.33	39.84	1.89	0.01
2,2',3,4,4',5-HxCB	137	—	47.2	11.1	28.32	1.34	0.01
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	18.2	11.2	10.92	0.52	0.00
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	109	11.3	65.4	3.11	0.02
2,2',3,4,5,6-HxCB	142	—	nd	11.8	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	28	9.48	16.8	0.80	0.00
2,2',3,4,6,6'-HxCB	145	—	nd	7.25	—	—	—
2,2',3,4',5,5'-HxCB	146	—	98	29	58.8	2.79	0.02
2,2',3,4',5,6-HxCB	147	147 + 149	450	10.9	270	12.82	0.08
2,2',3,4',5,6'-HxCB	148	—	nd	9.47	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	6.48	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600				
KC Sample ID	L56171-17	**Days**	21.06				
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	6.29	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	424	9.08	254.4	12.08	0.07
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	5.75	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	95.4	9.62	57.24	2.72	0.02
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	74.5	7.9	44.7	2.12	0.01
2,3,3',4,5,5'-HxCB	159	—	nd	8.42	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	8.07	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	8.43	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	44	8.78	26.4	1.25	0.01
2,3,3',5,5',6-HxCB	165	—	nd	9.42	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	27.7	7.09	16.62	0.79	0.00
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	7.7	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	71.5	16	42.9	2.04	0.01
2,2',3,3',4,4',6-HpCB	171	171 + 173	19.9	14.4	11.94	0.57	0.00
2,2',3,3',4,5,5'-HpCB	172	—	nd	14.4	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	64.8	13.4	38.88	1.85	0.01
2,2',3,3',4,5',6-HpCB	175	—	nd	12.9	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	9.79	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	31.5	13.8	18.9	0.90	0.01
2,2',3,3',5,5',6-HpCB	178	—	21.8	13.8	13.08	0.62	0.00
2,2',3,3',5,6,6'-HpCB	179	—	22.4	9.67	13.44	0.64	0.00
2,2',3,4,4',5,5'-HpCB	180	180 + 193	136	13.1	81.6	3.87	0.02

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	600
KC Sample ID	L56171-17	**Days**	21.06
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	14.3	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	13.4	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	48.5	13.6	29.1	1.38	0.01
2,2',3,4,4',6,6'-HpCB	184	—	nd	9.17	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	10.4	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	158	22	94.8	4.50	0.03
2,2',3,4',5,6,6'-HpCB	188	—	nd	9.17	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	7.4	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	15.8	10.2	9.48	0.45	0.00
2,3,3',4,4',5',6-HpCB	191	—	nd	10.2	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	12.4	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	34.6	19.9	20.76	0.99	0.01
2,2',3,3',4,4',5,6-OcCB	195	—	26.1	22.6	15.66	0.74	0.00
2,2',3,3',4,4',5,6'-OcCB	196	—	34.1	23	20.46	0.97	0.01
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	16.1	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	103	23.6	61.8	2.93	0.02
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	15.8	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	49.1	15.7	29.46	1.40	0.01
2,2',3,4,4',5,5',6-OcCB	203	—	61.5	22.8	36.9	1.75	0.01
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	16.4	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	8.12	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	78.7	14.3	47.22	2.24	0.01
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	21.9	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	60	20.1	36	1.71	0.01
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	53.5	10.3	32.1	1.52	0.01

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	nd	—	—	—	—
3-MoCB	2	—	nd	—	—	—	—
4-MoCB	3	—	nd	—	—	—	—
2,2'-DiCB	4	—	nd	30.1	—	—	—
2,3-DiCB	5	—	nd	22.1	—	—	—
2,3'-DiCB	6	—	nd	19.4	—	—	—
2,4-DiCB	7	—	nd	20.2	—	—	—
2,4'-DiCB	8	—	46.4	18.1	23.2	2.21	0.01
2,5-DiCB	9	—	41.6	18.9	20.8	1.98	0.01
2,6-DiCB	10	—	nd	19.6	—	—	—
3,3'-DiCB	11	—	153	22.5	76.5	7.29	0.04
3,4-DiCB	12	12 + 13	nd	22.5	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	20.7	—	—	—
4,4'-DiCB	15	—	46.2	19.6	23.1	2.20	0.01
2,2',3-TriCB	16	—	28.5	8.33	14.25	1.36	0.01
2,2',4-TriCB	17	—	32.5	7.29	16.25	1.55	0.01
2,2',5-TriCB	18	18 + 30	55.5	5.88	27.75	2.65	0.02
2,2',6-TriCB	19	—	11.6	8.16	5.8	0.55	0.00
2,3,3'-TriCB	20	20 + 28	92.1	4.31	46.05	4.39	0.03
2,3,4-TriCB	21	21 + 33	50	4.25	25	2.38	0.01
2,3,4'-TriCB	22	—	35.4	4.8	17.7	1.69	0.01
2,3,5-TriCB	23	—	nd	4.54	—	—	—
2,3,6-TriCB	24	—	nd	5.53	—	—	—
2,3',4-TriCB	25	—	7.97	3.74	3.985	0.38	0.00
2,3',5-TriCB	26	26 + 29	16.8	4.33	8.4	0.80	0.00
2,3',6-TriCB	27	—	nd	4.88	—	—	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	70	3.98	35	3.34	0.02
2,4',6-TriCB	32	—	16.8	3.96	8.4	0.80	0.00
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	4.22	—	—	—
3,3',4-TriCB	35	—	nd	5.07	—	—	—
3,3',5-TriCB	36	—	nd	4.49	—	—	—
3,4,4'-TriCB	37	—	27.7	4.32	13.85	1.32	0.01
3,4,5-TriCB	38	—	nd	4.34	—	—	—
3,4',5-TriCB	39	—	nd	4.51	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	38.3	8.47	19.15	1.83	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	15.1	9.06	7.55	0.72	0.00
2,2',3,5-TeCB	43	—	nd	9.74	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	93.4	7.8	46.7	4.45	0.03
2,2',3,6-TeCB	45	45 + 51	16.4	8	8.2	0.78	0.00
2,2',3,6'-TeCB	46	—	nd	9.36	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	nd	8.55	—	—	—
2,2',4,5'-TeCB	49	49 + 69	39.8	7.02	19.9	1.90	0.01
2,2',4,6-TeCB	50	50 + 53	7.97	7.59	3.985	0.38	0.00
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	128	7.74	64	6.10	0.04
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	7.04	—	—	—
2,3,3',4-TeCB	55	—	nd	7.98	—	—	—
2,3,3',4'-TeCB	56	—	28.3	7.77	14.15	1.35	0.01
2,3,3',5-TeCB	57	—	nd	7.06	—	—	—
2,3,3',5'-TeCB	58	—	nd	7.06	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	6.2	—	—	—
2,3,4,4'-TeCB	60	—	13.8	7.66	6.9	0.66	0.00

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500				
KC Sample ID	L56292-19	**Days**	10.49				
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	136	7.08	68	6.48	0.04
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	6.85	—	—	—
2,3,4',6-TeCB	64	—	30.4	6.32	15.2	1.45	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	50.6	7.25	25.3	2.41	0.01
2,3',4,5-TeCB	67	—	nd	6.29	—	—	—
2,3',4,5'-TeCB	68	—	nd	6.7	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	6.75	—	—	—
2,3',5',6-TeCB	73	—	nd	6.24	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	7.41	6.24	3.705	0.35	0.00
3,3',4,5-TeCB	78	—	nd	7.95	—	—	—
3,3',4,5'-TeCB	79	—	nd	6.1	—	—	—
3,3',5,5'-TeCB	80	—	nd	6.93	—	—	—
3,4,4',5-TeCB	81	—	nd	6.21	—	—	—
2,2',3,3',4-PeCB	82	—	24.8	13.6	12.4	1.18	0.01
2,2',3,3',5-PeCB	83	83 + 99	114	12.6	57	5.43	0.03
2,2',3,3',6-PeCB	84	—	46.5	14	23.25	2.22	0.01
2,2',3,4,4'-PeCB	85	85 + 116 + 117	28.6	10.4	14.3	1.36	0.01
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	170	10.6	85	8.10	0.05
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	23.8	12.2	11.9	1.13	0.01
2,2',3,4,6'-PeCB	89	—	nd	12.7	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	169	10.5	84.5	8.06	0.05

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	33.5	12.2	16.75	1.60	0.01
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	162	11.9	81	7.72	0.05
2,2',3,5,6'-PeCB	94	—	nd	13.2	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	6.9	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	10.5	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	10.7	—	—	—
2,3,3',4,4'-PeCB	105	—	56	9.52	28	2.67	0.02
2,3,3',4,5-PeCB	106	—	nd	11	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	11.3	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	9.98	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	204	9.19	102	9.72	0.06
2,3,3',5,5'-PeCB	111	—	nd	9.11	—	—	—
2,3,3',5,6-PeCB	112	—	nd	9.11	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	9.14	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	146	8.68	73	6.96	0.04
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	8.58	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	9.05	—	—	—
2',3,3',4,5-PeCB	122	—	nd	12	—	—	—
2',3,4,4',5-PeCB	123	—	nd	9.71	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	9.81	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	10.9	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	27.1	13	13.55	1.29	0.01
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	180	13.3	90	8.58	0.05
2,2',3,3',4,5'-HxCB	130	—	17.9	17.2	8.95	0.85	0.01
2,2',3,3',4,6-HxCB	131	—	nd	15.4	—	—	—
2,2',3,3',4,6'-HxCB	132	—	62.2	16.4	31.1	2.96	0.02
2,2',3,3',5,5'-HxCB	133	—	nd	15.7	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	16.6	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	35	11.1	17.5	1.67	0.01
2,2',3,3',6,6'-HxCB	136	—	16.9	8.18	8.45	0.81	0.00
2,2',3,4,4',5-HxCB	137	—	16.6	15.4	8.3	0.79	0.00
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	14.3	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	35.7	15.4	17.85	1.70	0.01
2,2',3,4,5,6-HxCB	142	—	nd	16.8	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	11.3	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	9.04	—	—	—
2,2',3,4',5,5'-HxCB	146	—	38	22.2	19	1.81	0.01
2,2',3,4',5,6-HxCB	147	147 + 149	129	15.5	64.5	6.15	0.04
2,2',3,4',5,6'-HxCB	148	—	nd	11.3	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	8.39	—	—	—

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	7.54	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	107	11.7	53.5	5.10	0.03
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	nd	9.48	—	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	26.6	11.9	13.3	1.27	0.01
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	23.6	10.1	11.8	1.12	0.01
2,3,3',4,5,5'-HxCB	159	—	nd	11.1	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	10.2	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	11.3	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	13.5	11.3	6.75	0.64	0.00
2,3,3',5,5',6-HxCB	165	—	nd	12.6	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	nd	9.42	—	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	8.46	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	32.8	23.7	16.4	1.56	0.01
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	28.2	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	29.2	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	40.4	25.7	20.2	1.93	0.01
2,2',3,3',4,5',6-HpCB	175	—	nd	23.9	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	17.6	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	34.5	27.7	17.25	1.64	0.01
2,2',3,3',5,5',6-HpCB	178	—	nd	25	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	nd	16.8	—	—	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	76.8	20.2	38.4	3.66	0.02

Table C-22. PCB Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	26.5	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	24.7	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	36	25.1	18	1.72	0.01
2,2',3,4,4',6,6'-HpCB	184	—	nd	16.9	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	18.4	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	43.3	23.7	21.65	2.06	0.01
2,2',3,4',5,6,6'-HpCB	188	—	nd	18.9	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	14.2	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	nd	22.4	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	21.3	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	23.8	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	nd	18.6	—	—	—
2,2',3,3',4,4',5,6-OcCB	195	—	nd	21.1	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	21.8	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	15.3	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	46.2	22.3	23.1	2.20	0.01
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	15	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	19	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	22	21.7	11	1.05	0.01
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	15.6	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	12	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	nd	27.7	—	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	23.1	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	21.7	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	nd	17.4	—	—	—

[a] Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-3	**Days**	—
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	2.74	0.466	8.22	—	—
3-MoCB	2	—	1.25	0.466	3.75	—	—
4-MoCB	3	—	3.33	0.466	9.99	—	—
2,2'-DiCB	4	—	4.21	0.659	12.63	—	—
2,3-DiCB	5	—	nd	0.504	—	—	—
2,3'-DiCB	6	—	1.63	0.466	4.89	—	—
2,4-DiCB	7	—	1.42	0.466	4.26	—	—
2,4'-DiCB	8	—	7.43	0.466	22.29	—	—
2,5-DiCB	9	—	0.56	0.466	1.68	—	—
2,6-DiCB	10	—	nd	0.466	—	—	—
3,3'-DiCB	11	—	23.7	0.466	71.1	—	—
3,4-DiCB	12	12 + 13	nd	0.466	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.466	—	—	—
4,4'-DiCB	15	—	3.88	0.466	11.64	—	—
2,2',3-TriCB	16	—	2.94	0.518	8.82	—	—
2,2',4-TriCB	17	—	3.16	0.466	9.48	—	—
2,2',5-TriCB	18	18 + 30	5.37	0.466	16.11	—	—
2,2',6-TriCB	19	—	1.47	0.521	4.41	—	—
2,3,3'-TriCB	20	20 + 28	8.86	0.466	26.58	—	—
2,3,4-TriCB	21	21 + 33	5.06	0.466	15.18	—	—
2,3,4'-TriCB	22	—	3.24	0.466	9.72	—	—
2,3,5-TriCB	23	—	nd	0.466	—	—	—
2,3,6-TriCB	24	—	nd	0.466	—	—	—
2,3',4-TriCB	25	—	0.62	0.466	1.86	—	—
2,3',5-TriCB	26	26 + 29	1.45	0.466	4.35	—	—
2,3',6-TriCB	27	—	nd	0.466	—	—	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000				
KC Sample ID	L54175-3	**Days**	—				
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	7.14	0.466	21.42	—	—
2,4',6-TriCB	32	—	1.7	0.466	5.1	—	—
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	nd	0.466	—	—	—
3,3',4-TriCB	35	—	nd	0.466	—	—	—
3,3',5-TriCB	36	—	nd	0.466	—	—	—
3,4,4'-TriCB	37	—	2.66	0.466	7.98	—	—
3,4,5-TriCB	38	—	nd	0.466	—	—	—
3,4',5-TriCB	39	—	nd	0.466	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	3.35	0.672	10.05	—	—
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	1.54	0.676	4.62	—	—
2,2',3,5-TeCB	43	—	nd	0.822	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	8.96	0.604	26.88	—	—
2,2',3,6-TeCB	45	45 + 51	1.88	0.65	5.64	—	—
2,2',3,6'-TeCB	46	—	nd	0.742	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	1.48	0.648	4.44	—	—
2,2',4,5'-TeCB	49	49 + 69	4.23	0.556	12.69	—	—
2,2',4,6-TeCB	50	50 + 53	0.705	0.629	2.115	—	—
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	11.8	0.591	35.4	—	—
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	nd	0.534	—	—	—
2,3,3',4-TeCB	55	—	nd	0.693	—	—	—
2,3,3',4'-TeCB	56	—	2.78	0.719	8.34	—	—
2,3,3',5-TeCB	57	—	nd	0.679	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.701	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	0.769	0.507	2.307	—	—
2,3,4,4'-TeCB	60	—	1.43	0.7	4.29	—	—

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000				
KC Sample ID	L54175-3	**Days**	—				
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	14.4	0.669	43.2	—	—
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.645	—	—	—
2,3,4',6-TeCB	64	—	2.96	0.512	8.88	—	—
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	5.06	0.642	15.18	—	—
2,3',4,5-TeCB	67	—	nd	0.61	—	—	—
2,3',4,5'-TeCB	68	—	nd	0.647	—	—	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.649	—	—	—
2,3',5',6-TeCB	73	—	nd	0.482	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	0.942	0.654	2.826	—	—
3,3',4,5-TeCB	78	—	nd	0.657	—	—	—
3,3',4,5'-TeCB	79	—	nd	0.559	—	—	—
3,3',5,5'-TeCB	80	—	nd	0.616	—	—	—
3,4,4',5-TeCB	81	—	nd	0.662	—	—	—
2,2',3,3',4-PeCB	82	—	1.42	1.1	4.26	—	—
2,2',3,3',5-PeCB	83	83 + 99	9.34	1.02	28.02	—	—
2,2',3,3',6-PeCB	84	—	3.06	1.2	9.18	—	—
2,2',3,4,4'-PeCB	85	85 + 116 + 117	2.42	0.85	7.26	—	—
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	10.4	0.905	31.2	—	—
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	1.27	1.05	3.81	—	—
2,2',3,4,6'-PeCB	89	—	nd	1.09	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	15.7	0.934	47.1	—	—

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000				
KC Sample ID	L54175-3	**Days**	—				
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	2.56	1.05	7.68	—	—
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	11.1	1.04	33.3	—	—
2,2',3,5,6'-PeCB	94	—	nd	1.16	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.659	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	0.938	—	—	—
2,2',4,6,6'-PeCB	104	—	nd	0.626	—	—	—
2,3,3',4,4'-PeCB	105	—	6.49	0.848	19.47	—	—
2,3,3',4,5-PeCB	106	—	nd	0.819	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	0.882	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	0.808	0.779	2.424	—	—
2,3,3',4',6-PeCB	110	110 + 115	15.9	0.78	47.7	—	—
2,3,3',5,5'-PeCB	111	—	nd	0.778	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.806	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	nd	0.799	—	—	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	16.1	0.82	48.3	—	—
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.71	—	—	—

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-3	**Days**	—
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.812	—	—	—
2',3,3',4,5-PeCB	122	—	nd	0.906	—	—	—
2',3,4,4',5-PeCB	123	—	nd	0.891	—	—	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	nd	0.893	—	—	—
3,3',4,5,5'-PeCB	127	—	nd	0.821	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	1.87	1.11	5.61	—	—
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	14.1	1.14	42.3	—	—
2,2',3,3',4,5'-HxCB	130	—	nd	1.37	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	1.32	—	—	—
2,2',3,3',4,6'-HxCB	132	—	3.57	1.36	10.71	—	—
2,2',3,3',5,5'-HxCB	133	—	nd	1.3	—	—	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	1.34	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	4.74	0.89	14.22	—	—
2,2',3,3',6,6'-HxCB	136	—	0.829	0.746	2.487	—	—
2,2',3,4,4',5-HxCB	137	—	nd	1.3	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.21	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	2.5	1.32	7.5	—	—
2,2',3,4,5,6-HxCB	142	—	nd	1.29	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	0.896	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	0.797	—	—	—
2,2',3,4',5,5'-HxCB	146	—	3.65	1.15	10.95	—	—
2,2',3,4',5,6-HxCB	147	147 + 149	7.11	1.21	21.33	—	—
2,2',3,4',5,6'-HxCB	148	—	nd	0.922	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.767	—	—	—

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000				
KC Sample ID	L54175-3	**Days**	—				
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.726	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	21.9	1.04	65.7	—	—
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	1.91	0.684	5.73	—	—
2,3,3',4,4',5-HxCB	156	156 + 157	2.26	1.06	6.78	—	—
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	1.35	0.914	4.05	—	—
2,3,3',4,5,5'-HxCB	159	—	nd	0.934	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	0.983	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	0.951	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	0.993	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	1.09	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	1.19	0.892	3.57	—	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	nd	0.897	—	—	—
2,2',3,3',4,4',5-HpCB	170	—	2.02	0.854	6.06	—	—
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	0.86	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	0.848	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1.58	0.815	4.74	—	—
2,2',3,3',4,5',6-HpCB	175	—	nd	0.794	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	0.661	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	nd	0.859	—	—	—
2,2',3,3',5,5',6-HpCB	178	—	1.46	0.848	4.38	—	—
2,2',3,3',5,6,6'-HpCB	179	—	1.39	0.632	4.17	—	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	11	0.706	33	—	—

Table C-23. PCB Mass Calculations by Congener for Equipment Blank

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-3	**Days**	—
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	0.835	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	nd	0.815	—	—	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	5.79	0.828	17.37	—	—
2,2',3,4,4',6,6'-HpCB	184	—	nd	0.641	—	—	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.702	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	9.54	0.799	28.62	—	—
2,2',3,4',5,6,6'-HpCB	188	—	nd	0.64	—	—	—
2,3,3',4,4',5,5'-HpCB	189	—	nd	0.727	—	—	—
2,3,3',4,4',5,6-HpCB	190	—	1.03	0.654	3.09	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	0.628	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	0.692	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	2.68	0.744	8.04	—	—
2,2',3,3',4,4',5,6-OcCB	195	—	nd	0.802	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	2.08	0.906	6.24	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	0.955	0.654	2.865	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	4.86	0.897	14.58	—	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	0.657	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	nd	0.752	—	—	—
2,2',3,4,4',5,5',6-OcCB	203	—	5.05	0.879	15.15	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	0.664	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	nd	0.643	—	—	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	4.49	2.87	13.47	—	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.32	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	nd	2.37	—	—	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	5.65	1.22	16.95	—	—

[a] Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-2	**Days**	28.21
Collection Date	10/19/2011	**Funnel Area (m^2)**	—

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	187	0.478	561	19.89	—
3-MoCB	2	—	2.69	0.478	8.07	0.29	—
4-MoCB	3	—	169	0.478	507	17.97	—
2,2'-DiCB	4	—	185	0.781	555	19.68	—
2,3-DiCB	5	—	1.18	0.63	3.54	0.13	—
2,3'-DiCB	6	—	8.62	0.557	25.86	0.92	—
2,4-DiCB	7	—	2.67	0.576	8.01	0.28	—
2,4'-DiCB	8	—	37.2	0.515	111.6	3.96	—
2,5-DiCB	9	—	2.79	0.556	8.37	0.30	—
2,6-DiCB	10	—	nd	0.55	—	—	—
3,3'-DiCB	11	—	29.2	0.557	87.6	3.11	—
3,4-DiCB	12	12 + 13	5.83	0.563	17.49	0.62	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	0.55	—	—	—
4,4'-DiCB	15	—	200	0.595	600	21.27	—
2,2',3-TriCB	16	—	10.6	0.771	31.8	1.13	—
2,2',4-TriCB	17	—	9.8	0.642	29.4	1.04	—
2,2',5-TriCB	18	18 + 30	22.6	0.535	67.8	2.40	—
2,2',6-TriCB	19	—	159	0.722	477	16.91	—
2,3,3'-TriCB	20	20 + 28	18.8	0.478	56.4	2.00	—
2,3,4-TriCB	21	21 + 33	11.6	0.478	34.8	1.23	—
2,3,4'-TriCB	22	—	6.84	0.478	20.52	0.73	—
2,3,5-TriCB	23	—	118	0.478	354	12.55	—
2,3,6-TriCB	24	—	nd	0.478	—	—	—
2,3',4-TriCB	25	—	1.47	0.478	4.41	0.16	—
2,3',5-TriCB	26	26 + 29	3.57	0.478	10.71	0.38	—
2,3',6-TriCB	27	—	1.28	0.478	3.84	0.14	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-2	**Days**	28.21
Collection Date	10/19/2011	**Funnel Area (m^2)**	—

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,4',5-TriCB	31	—	16.5	0.478	49.5	1.75	—
2,4',6-TriCB	32	—	5.47	0.478	16.41	0.58	—
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	112	0.478	336	11.91	—
3,3',4-TriCB	35	—	0.956	0.478	2.868	0.10	—
3,3',5-TriCB	36	—	nd	0.478	—	—	—
3,4,4'-TriCB	37	—	252	0.478	756	26.80	—
3,4,5-TriCB	38	—	nd	0.478	—	—	—
3,4',5-TriCB	39	—	nd	0.478	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	5.41	0.736	16.23	0.58	—
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	2.62	0.74	7.86	0.28	—
2,2',3,5-TeCB	43	—	nd	0.9	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	18	0.661	54	1.91	—
2,2',3,6-TeCB	45	45 + 51	4.34	0.712	13.02	0.46	—
2,2',3,6'-TeCB	46	—	0.987	0.813	2.961	0.10	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	2.11	0.709	6.33	0.22	—
2,2',4,5'-TeCB	49	49 + 69	6.73	0.608	20.19	0.72	—
2,2',4,6-TeCB	50	50 + 53	2.27	0.688	6.81	0.24	—
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	19.6	0.647	58.8	2.08	—
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	133	0.595	399	14.14	—
2,3,3',4-TeCB	55	—	nd	0.841	—	—	—
2,3,3',4'-TeCB	56	—	5.39	0.871	16.17	0.57	—
2,3,3',5-TeCB	57	—	nd	0.823	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.851	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	0.804	0.555	2.412	0.09	—
2,3,4,4'-TeCB	60	—	2.11	0.849	6.33	0.22	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-2	**Days**	28.21
Collection Date	10/19/2011	**Funnel Area (m^2)**	—

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	16.1	0.811	48.3	1.71	—
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.782	—	—	—
2,3,4',6-TeCB	64	—	4.71	0.561	14.13	0.50	—
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	6.15	0.778	18.45	0.65	—
2,3',4,5-TeCB	67	—	nd	0.74	—	—	—
2,3',4,5'-TeCB	68	—	2.09	0.784	6.27	0.22	—
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.787	—	—	—
2,3',5',6-TeCB	73	—	nd	0.528	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	336	0.773	1008	35.73	—
3,3',4,5-TeCB	78	—	nd	0.796	—	—	—
3,3',4,5'-TeCB	79	—	1.09	0.677	3.27	0.12	—
3,3',5,5'-TeCB	80	—	nd	0.747	—	—	—
3,4,4',5-TeCB	81	—	320	0.818	960	34.03	—
2,2',3,3',4-PeCB	82	—	1.35	1.25	4.05	0.14	—
2,2',3,3',5-PeCB	83	83 + 99	6.77	1.15	20.31	0.72	—
2,2',3,3',6-PeCB	84	—	3.42	1.36	10.26	0.36	—
2,2',3,4,4'-PeCB	85	85 + 116 + 117	2.78	0.965	8.34	0.30	—
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	9.66	1.03	28.98	1.03	—
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	1.83	1.19	5.49	0.19	—
2,2',3,4,6'-PeCB	89	—	nd	1.24	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	12.5	1.06	37.5	1.33	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-2	**Days**	28.21
Collection Date	10/19/2011	**Funnel Area (m^2)**	—

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	2.38	1.19	7.14	0.25	—
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	13.9	1.18	41.7	1.48	—
2,2',3,5,6'-PeCB	94	—	nd	1.31	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	0.773	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.06	—	—	—
2,2',4,6,6'-PeCB	104	—	115	0.836	345	12.23	—
2,3,3',4,4'-PeCB	105	—	346	1.2	1038	36.80	—
2,3,3',4,5-PeCB	106	—	nd	1.22	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	1.32	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	1.16	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	13.3	0.885	39.9	1.41	—
2,3,3',5,5'-PeCB	111	—	nd	0.883	—	—	—
2,3,3',5,6-PeCB	112	—	nd	0.914	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	327	1.2	981	34.78	—
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	332	1.21	996	35.31	—
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.806	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000
KC Sample ID	L54175-2	**Days**	28.21
Collection Date	10/19/2011	**Funnel Area (m^2)**	—

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	0.921	—	—	—
2',3,3',4,5-PeCB	122	—	nd	1.35	—	—	—
2',3,4,4',5-PeCB	123	—	332	1.32	996	35.31	—
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	390	1.36	1170	41.48	—
3,3',4,5,5'-PeCB	127	—	1.77	1.22	5.31	0.19	—
2,2',3,3',4,4'-HxCB	128	128 + 166	1.38	1.23	4.14	0.15	—
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	12.1	1.26	36.3	1.29	—
2,2',3,3',4,5'-HxCB	130	—	nd	1.52	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	1.46	—	—	—
2,2',3,3',4,6'-HxCB	132	—	3.54	1.5	10.62	0.38	—
2,2',3,3',5,5'-HxCB	133	—	6.65	1.44	19.95	0.71	—
2,2',3,3',5,6-HxCB	134	134 + 143	nd	1.48	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	3.75	1	11.25	0.40	—
2,2',3,3',6,6'-HxCB	136	—	1.91	0.837	5.73	0.20	—
2,2',3,4,4',5-HxCB	137	—	nd	1.44	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.34	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	2.41	1.46	7.23	0.26	—
2,2',3,4,5,6-HxCB	142	—	nd	1.43	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	1.01	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	0.895	—	—	—
2,2',3,4',5,5'-HxCB	146	—	4.08	1.27	12.24	0.43	—
2,2',3,4',5,6-HxCB	147	147 + 149	8.42	1.34	25.26	0.90	—
2,2',3,4',5,6'-HxCB	148	—	nd	1.04	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	0.861	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000				
KC Sample ID	L54175-2	**Days**	28.21				
Collection Date	10/19/2011	**Funnel Area (m^2)**	—				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	0.815	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	10.4	1.15	31.2	1.11	—
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	178	1.03	534	18.93	—
2,3,3',4,4',5-HxCB	156	156 + 157	785	1.12	2355	83.49	—
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	1.36	1.01	4.08	0.14	—
2,3,3',4,5,5'-HxCB	159	—	nd	1.03	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.09	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.05	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	1.1	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	1.21	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	394	0.932	1182	41.90	—
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	401	0.934	1203	42.65	—
2,2',3,3',4,4',5-HpCB	170	—	378	0.766	1134	40.20	—
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	0.794	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	0.782	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	2.51	0.752	7.53	0.27	—
2,2',3,3',4,5',6-HpCB	175	—	nd	0.733	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	0.61	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	1.36	0.793	4.08	0.14	—
2,2',3,3',5,5',6-HpCB	178	—	nd	0.783	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	8.18	0.583	24.54	0.87	—
2,2',3,4,4',5,5'-HpCB	180	180 + 193	374	0.642	1122	39.78	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG38263	**Total Volume (mL)**	3000				
KC Sample ID	L54175-2	**Days**	28.21				
Collection Date	10/19/2011	**Funnel Area (m^2)**	—				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,2',3,4,4',5,6-HpCB	181	—	nd	0.771	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	385	0.752	1155	40.95	—
2,2',3,4,4',5',6-HpCB	183	183 + 185	2.46	0.764	7.38	0.26	—
2,2',3,4,4',6,6'-HpCB	184	—	6.07	0.592	18.21	0.65	—
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	0.648	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	403	0.737	1209	42.86	—
2,2',3,4',5,6,6'-HpCB	188	—	325	0.621	975	34.56	—
2,3,3',4,4',5,5'-HpCB	189	—	396	0.751	1188	42.12	—
2,3,3',4,4',5,6-HpCB	190	—	0.674	0.604	2.022	0.07	—
2,3,3',4,4',5',6-HpCB	191	—	1.19	0.58	3.57	0.13	—
2,3,3',4,5,5',6-HpCB	192	—	1.72	0.639	5.16	0.18	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	5.3	0.818	15.9	0.56	—
2,2',3,3',4,4',5,6-OcCB	195	—	nd	0.882	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	1.24	0.943	3.72	0.13	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	0.681	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	2.37	0.935	7.11	0.25	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	0.684	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	377	0.756	1131	40.09	—
2,2',3,4,4',5,5',6-OcCB	203	—	2.49	0.916	7.47	0.26	—
2,2',3,4,4',5,6,6'-OcCB	204	—	1.82	0.692	5.46	0.19	—
2,3,3',4,4',5,5',6-OcCB	205	—	398	0.727	1194	42.33	—
2,2',3,3',4,4',5,5',6-NoCB	206	—	387	2.79	1161	41.16	—
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.28	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	382	2.35	1146	40.63	—
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	353	1.33	1059	37.54	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400
KC Sample ID	L55530-7	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2-MoCB	1	—	264	0.594	897.6	69.90	1.91
3-MoCB	2	—	10.2	0.676	34.68	2.70	0.07
4-MoCB	3	—	265	0.624	901	70.17	1.92
2,2'-DiCB	4	—	245	2.79	833	64.87	1.77
2,3-DiCB	5	—	nd	2.16	—	—	—
2,3'-DiCB	6	—	4.77	1.98	16.218	1.26	0.03
2,4-DiCB	7	—	6.39	2.04	21.726	1.69	0.05
2,4'-DiCB	8	—	10.6	1.9	36.04	2.81	0.08
2,5-DiCB	9	—	5.68	1.95	19.312	1.50	0.04
2,6-DiCB	10	—	nd	2.04	—	—	—
3,3'-DiCB	11	—	18.7	2.14	63.58	4.95	0.14
3,4-DiCB	12	12 + 13	nd	2.17	—	—	—
3,4'-DiCB	13	12 + 13	nd	—	—	—	—
3,5-DiCB	14	—	nd	2.03	—	—	—
4,4'-DiCB	15	—	239	1.97	812.6	63.28	1.73
2,2',3-TriCB	16	—	4.18	1.22	14.212	1.11	0.03
2,2',4-TriCB	17	—	4.16	1.01	14.144	1.10	0.03
2,2',5-TriCB	18	18 + 30	8.9	0.819	30.26	2.36	0.06
2,2',6-TriCB	19	—	271	1.2	921.4	71.76	1.96
2,3,3'-TriCB	20	20 + 28	6.61	0.793	22.474	1.75	0.05
2,3,4-TriCB	21	21 + 33	3.46	0.793	11.764	0.92	0.03
2,3,4'-TriCB	22	—	2.17	0.872	7.378	0.57	0.02
2,3,5-TriCB	23	—	223	0.848	758.2	59.05	1.61
2,3,6-TriCB	24	—	nd	0.709	—	—	—
2,3',4-TriCB	25	—	nd	0.687	—	—	—
2,3',5-TriCB	26	26 + 29	1.93	0.807	6.562	0.51	0.01
2,3',6-TriCB	27	—	nd	0.695	—	—	—
2,4,4'-TriCB	28	20 + 28	nd	—	—	—	—
2,4,5-TriCB	29	26 + 29	nd	—	—	—	—
2,4,6-TriCB	30	18 + 30	nd	—	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400				
KC Sample ID	L55530-7	**Days**	12.84				
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,4',5-TriCB	31	—	5.37	0.753	18.258	1.42	0.04
2,4',6-TriCB	32	—	2.27	0.778	7.718	0.60	0.02
2',3,4-TriCB	33	21 + 33	nd	—	—	—	—
2',3,5-TriCB	34	—	222	0.819	754.8	58.78	1.61
3,3',4-TriCB	35	—	nd	0.867	—	—	—
3,3',5-TriCB	36	—	nd	0.8	—	—	—
3,4,4'-TriCB	37	—	249	0.784	846.6	65.93	1.80
3,4,5-TriCB	38	—	nd	0.789	—	—	—
3,4',5-TriCB	39	—	nd	0.794	—	—	—
2,2',3,3'-TeCB	40	40 + 41 + 71	1.53	1.02	5.202	0.41	0.01
2,2',3,4-TeCB	41	40 + 41 + 71	nd	—	—	—	—
2,2',3,4'-TeCB	42	—	nd	1.05	—	—	—
2,2',3,5-TeCB	43	—	nd	1.19	—	—	—
2,2',3,5'-TeCB	44	44 + 47 + 65	8.8	0.905	29.92	2.33	0.06
2,2',3,6-TeCB	45	45 + 51	2.06	0.998	7.004	0.55	0.01
2,2',3,6'-TeCB	46	—	nd	1.18	—	—	—
2,2',4,4'-TeCB	47	44 + 47 + 65	nd	—	—	—	—
2,2',4,5-TeCB	48	—	nd	1.02	—	—	—
2,2',4,5'-TeCB	49	49 + 69	3.26	0.843	11.084	0.86	0.02
2,2',4,6-TeCB	50	50 + 53	1.32	0.97	4.488	0.35	0.01
2,2',4,6'-TeCB	51	45 + 51	nd	—	—	—	—
2,2',5,5'-TeCB	52	—	8.76	0.938	29.784	2.32	0.06
2,2',5,6'-TeCB	53	50 + 53	nd	—	—	—	—
2,2',6,6'-TeCB	54	—	237	0.816	805.8	62.75	1.71
2,3,3',4-TeCB	55	—	nd	0.953	—	—	—
2,3,3',4'-TeCB	56	—	2.58	0.929	8.772	0.68	0.02
2,3,3',5-TeCB	57	—	nd	0.846	—	—	—
2,3,3',5'-TeCB	58	—	nd	0.91	—	—	—
2,3,3',6-TeCB	59	59 + 62 + 75	nd	0.738	—	—	—
2,3,4,4'-TeCB	60	—	nd	0.912	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400				
KC Sample ID	L55530-7	**Days**	12.84				
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366				
Compound	**IUPAC No**	**Coelutions**	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass per Day (pg/day)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,4,5-TeCB	61	61 + 70 + 74 + 76	7.57	0.862	25.738	2.00	0.05
2,3,4,6-TeCB	62	59 + 62 + 75	nd	—	—	—	—
2,3,4',5-TeCB	63	—	nd	0.83	—	—	—
2,3,4',6-TeCB	64	—	1.41	0.735	4.794	0.37	0.01
2,3,5,6-TeCB	65	44 + 47 + 65	nd	—	—	—	—
2,3',4,4'-TeCB	66	—	3.29	0.849	11.186	0.87	0.02
2,3',4,5-TeCB	67	—	nd	0.77	—	—	—
2,3',4,5'-TeCB	68	—	1.85	0.838	6.29	0.49	0.01
2,3',4,6-TeCB	69	49 + 69	nd	—	—	—	—
2,3',4',5-TeCB	70	61 + 70 + 74 + 76	nd	—	—	—	—
2,3',4',6-TeCB	71	40 + 41 + 71	nd	—	—	—	—
2,3',5,5'-TeCB	72	—	nd	0.812	—	—	—
2,3',5',6-TeCB	73	—	nd	0.756	—	—	—
2,4,4',5-TeCB	74	61 + 70 + 74 + 76	nd	—	—	—	—
2,4,4',6-TeCB	75	59 + 62 + 75	nd	—	—	—	—
2',3,4,5-TeCB	76	61 + 70 + 74 + 76	nd	—	—	—	—
3,3',4,4'-TeCB	77	—	274	0.769	931.6	72.55	1.98
3,3',4,5-TeCB	78	—	nd	0.887	—	—	—
3,3',4,5'-TeCB	79	—	nd	0.72	—	—	—
3,3',5,5'-TeCB	80	—	nd	0.807	—	—	—
3,4,4',5-TeCB	81	—	263	0.837	894.2	69.64	1.90
2,2',3,3',4-PeCB	82	—	nd	1.6	—	—	—
2,2',3,3',5-PeCB	83	83 + 99	3.91	1.44	13.294	1.04	0.03
2,2',3,3',6-PeCB	84	—	2.53	1.73	8.602	0.67	0.02
2,2',3,4,4'-PeCB	85	85 + 116 + 117	1.31	1.19	4.454	0.35	0.01
2,2',3,4,5-PeCB	86	86 + 87 + 97 + 108 + 119 + 125	6.18	1.24	21.012	1.64	0.04
2,2',3,4,5'-PeCB	87	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3,4,6-PeCB	88	88 + 91	nd	1.5	—	—	—
2,2',3,4,6'-PeCB	89	—	nd	1.57	—	—	—
2,2',3,4',5-PeCB	90	90 + 101 + 113	7.94	1.27	26.996	2.10	0.06

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400
KC Sample ID	L55530-7	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4',6-PeCB	91	88 + 91	nd	—	—	—	—
2,2',3,5,5'-PeCB	92	—	nd	1.48	—	—	—
2,2',3,5,6-PeCB	93	93 + 95 + 98 + 100 + 102	7.04	1.47	23.936	1.86	0.05
2,2',3,5,6'-PeCB	94	—	nd	1.62	—	—	—
2,2',3,5',6-PeCB	95	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',3,6,6'-PeCB	96	—	nd	1.32	—	—	—
2,2',3',4,5-PeCB	97	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,2',3',4,6-PeCB	98	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,4',5-PeCB	99	83 + 99	nd	—	—	—	—
2,2',4,4',6-PeCB	100	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5,5'-PeCB	101	90 + 101 + 113	nd	—	—	—	—
2,2',4,5,6'-PeCB	102	93 + 95 + 98 + 100 + 102	nd	—	—	—	—
2,2',4,5',6-PeCB	103	—	nd	1.31	—	—	—
2,2',4,6,6'-PeCB	104	—	162	1.36	550.8	42.90	1.17
2,3,3',4,4'-PeCB	105	—	253	1.28	860.2	66.99	1.83
2,3,3',4,5-PeCB	106	—	nd	1.41	—	—	—
2,3,3',4',5-PeCB	107	107 + 124	nd	1.44	—	—	—
2,3,3',4,5'-PeCB	108	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3,3',4,6-PeCB	109	—	nd	1.28	—	—	—
2,3,3',4',6-PeCB	110	110 + 115	8.95	1.05	30.43	2.37	0.06
2,3,3',5,5'-PeCB	111	—	nd	1.06	—	—	—
2,3,3',5,6-PeCB	112	—	nd	1.08	—	—	—
2,3,3',5',6-PeCB	113	90 + 101 + 113	nd	—	—	—	—
2,3,4,4',5-PeCB	114	—	233	1.19	792.2	61.70	1.69
2,3,4,4',6-PeCB	115	110 + 115	nd	—	—	—	—
2,3,4,5,6-PeCB	116	85 + 116 + 117	nd	—	—	—	—
2,3,4',5,6-PeCB	117	85 + 116 + 117	nd	—	—	—	—
2,3',4,4',5-PeCB	118	—	237	1.19	805.8	62.75	1.71
2,3',4,4',6-PeCB	119	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
2,3',4,5,5'-PeCB	120	—	nd	0.983	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400
KC Sample ID	L55530-7	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,3',4,5',6-PeCB	121	—	nd	1.11	—	—	—
2',3,3',4,5-PeCB	122	—	nd	1.49	—	—	—
2',3,4,4',5-PeCB	123	—	235	1.37	799	62.23	1.70
2',3,4,5,5'-PeCB	124	107 + 124	nd	—	—	—	—
2',3,4,5,6'-PeCB	125	86 + 87 + 97 + 108 + 119 + 125	nd	—	—	—	—
3,3',4,4',5-PeCB	126	—	269	1.38	914.6	71.23	1.95
3,3',4,5,5'-PeCB	127	—	nd	1.33	—	—	—
2,2',3,3',4,4'-HxCB	128	128 + 166	nd	1.24	—	—	—
2,2',3,3',4,5-HxCB	129	129 + 138 + 160 + 163	7.67	1.24	26.078	2.03	0.06
2,2',3,3',4,5'-HxCB	130	—	nd	1.57	—	—	—
2,2',3,3',4,6-HxCB	131	—	nd	1.55	—	—	—
2,2',3,3',4,6'-HxCB	132	—	3.94	1.61	13.396	1.04	0.03
2,2',3,3',5,5'-HxCB	133	—	2.93	1.45	9.962	0.78	0.02
2,2',3,3',5,6-HxCB	134	134 + 143	nd	1.5	—	—	—
2,2',3,3',5,6'-HxCB	135	135 + 151 + 154	nd	1.8	—	—	—
2,2',3,3',6,6'-HxCB	136	—	nd	1.38	—	—	—
2,2',3,4,4',5-HxCB	137	—	nd	1.47	—	—	—
2,2',3,4,4',5'-HxCB	138	129 + 138 + 160 + 163	nd	—	—	—	—
2,2',3,4,4',6-HxCB	139	139 + 140	nd	1.36	—	—	—
2,2',3,4,4',6'-HxCB	140	139 + 140	nd	—	—	—	—
2,2',3,4,5,5'-HxCB	141	—	nd	1.43	—	—	—
2,2',3,4,5,6-HxCB	142	—	nd	1.52	—	—	—
2,2',3,4,5,6'-HxCB	143	134 + 143	nd	—	—	—	—
2,2',3,4,5',6-HxCB	144	—	nd	1.83	—	—	—
2,2',3,4,6,6'-HxCB	145	—	nd	1.5	—	—	—
2,2',3,4',5,5'-HxCB	146	—	2.02	1.32	6.868	0.53	0.01
2,2',3,4',5,6-HxCB	147	147 + 149	4.36	1.36	14.824	1.15	0.03
2,2',3,4',5,6'-HxCB	148	—	nd	1.87	—	—	—
2,2',3,4',5',6-HxCB	149	147 + 149	nd	—	—	—	—
2,2',3,4',6,6'-HxCB	150	—	nd	1.43	—	—	—

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400
KC Sample ID	L55530-7	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,5,5',6-HxCB	151	135 + 151 + 154	nd	—	—	—	—
2,2',3,5,6,6'-HxCB	152	—	nd	1.32	—	—	—
2,2',4,4',5,5'-HxCB	153	153 + 168	5.07	1.09	17.238	1.34	0.04
2,2',4,4',5,6'-HxCB	154	135 + 151 + 154	nd	—	—	—	—
2,2',4,4',6,6'-HxCB	155	—	110	1.32	374	29.13	0.80
2,3,3',4,4',5-HxCB	156	156 + 157	564	1.23	1917.6	149.34	4.08
2,3,3',4,4',5'-HxCB	157	156 + 157	nd	—	—	—	—
2,3,3',4,4',6-HxCB	158	—	nd	0.977	—	—	—
2,3,3',4,5,5'-HxCB	159	—	nd	1.01	—	—	—
2,3,3',4,5,6-HxCB	160	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4,5',6-HxCB	161	—	nd	1.01	—	—	—
2,3,3',4',5,5'-HxCB	162	—	nd	1.06	—	—	—
2,3,3',4',5,6-HxCB	163	129 + 138 + 160 + 163	nd	—	—	—	—
2,3,3',4',5',6-HxCB	164	—	nd	1.03	—	—	—
2,3,3',5,5',6-HxCB	165	—	nd	1.2	—	—	—
2,3,4,4',5,6-HxCB	166	128 + 166	nd	—	—	—	—
2,3',4,4',5,5'-HxCB	167	—	276	0.992	938.4	73.08	2.00
2,3',4,4',5',6-HxCB	168	153 + 168	nd	—	—	—	—
3,3',4,4',5,5'-HxCB	169	—	299	0.927	1016.6	79.17	2.16
2,2',3,3',4,4',5-HpCB	170	—	251	1.52	853.4	66.46	1.82
2,2',3,3',4,4',6-HpCB	171	171 + 173	nd	1.64	—	—	—
2,2',3,3',4,5,5'-HpCB	172	—	nd	1.58	—	—	—
2,2',3,3',4,5,6-HpCB	173	171 + 173	nd	—	—	—	—
2,2',3,3',4,5,6'-HpCB	174	—	1.56	1.47	5.304	0.41	0.01
2,2',3,3',4,5',6-HpCB	175	—	nd	1.42	—	—	—
2,2',3,3',4,6,6'-HpCB	176	—	nd	1.1	—	—	—
2,2',3,3',4',5,6-HpCB	177	—	nd	1.56	—	—	—
2,2',3,3',5,5',6-HpCB	178	—	nd	1.51	—	—	—
2,2',3,3',5,6,6'-HpCB	179	—	4.89	1.09	16.626	1.29	0.04
2,2',3,4,4',5,5'-HpCB	180	180 + 193	241	1.29	819.4	63.81	1.74

Table C-24. PCB Flux Calculations by Congener for Spike Blanks

Workgroup	WG41271	**Total Volume (mL)**	3400
KC Sample ID	L55530-7	**Days**	12.84
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366

Compound	IUPAC No	Coelutions	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass per Day (pg/day)[a]	Mass Flux (ng/m^2-day)[a]
2,2',3,4,4',5,6-HpCB	181	—	nd	1.51	—	—	—
2,2',3,4,4',5,6'-HpCB	182	—	212	1.42	720.8	56.14	1.53
2,2',3,4,4',5',6-HpCB	183	183 + 185	nd	1.45	—	—	—
2,2',3,4,4',6,6'-HpCB	184	—	2.68	1.06	9.112	0.71	0.02
2,2',3,4,5,5',6-HpCB	185	183 + 185	nd	—	—	—	—
2,2',3,4,5,6,6'-HpCB	186	—	nd	1.16	—	—	—
2,2',3,4',5,5',6-HpCB	187	—	221	1.38	751.4	58.52	1.60
2,2',3,4',5,6,6'-HpCB	188	—	137	1.05	465.8	36.28	0.99
2,3,3',4,4',5,5'-HpCB	189	—	256	1.24	870.4	67.79	1.85
2,3,3',4,4',5,6-HpCB	190	—	nd	1.12	—	—	—
2,3,3',4,4',5',6-HpCB	191	—	nd	1.14	—	—	—
2,3,3',4,5,5',6-HpCB	192	—	nd	1.26	—	—	—
2,3,3',4',5,5',6-HpCB	193	180 + 193	nd	—	—	—	—
2,2',3,3',4,4',5,5'-OcCB	194	—	3.19	1.29	10.846	0.84	0.02
2,2',3,3',4,4',5,6-OcCB	195	—	nd	1.33	—	—	—
2,2',3,3',4,4',5,6'-OcCB	196	—	nd	2.16	—	—	—
2,2',3,3',4,4',6,6'-OcCB	197	197 + 200	nd	1.71	—	—	—
2,2',3,3',4,5,5',6-OcCB	198	198 + 199	nd	2.32	—	—	—
2,2',3,3',4,5,5',6'-OcCB	199	198 + 199	nd	—	—	—	—
2,2',3,3',4,5,6,6'-OcCB	200	197 + 200	nd	—	—	—	—
2,2',3,3',4,5',6,6'-OcCB	201	—	nd	1.71	—	—	—
2,2',3,3',5,5',6,6'-OcCB	202	—	171	1.92	581.4	45.28	1.24
2,2',3,4,4',5,5',6-OcCB	203	—	nd	2.13	—	—	—
2,2',3,4,4',5,6,6'-OcCB	204	—	nd	1.75	—	—	—
2,3,3',4,4',5,5',6-OcCB	205	—	252	1.02	856.8	66.73	1.82
2,2',3,3',4,4',5,5',6-NoCB	206	—	242	2.65	822.8	64.08	1.75
2,2',3,3',4,4',5,6,6'-NoCB	207	—	nd	2.11	—	—	—
2,2',3,3',4,5,5',6,6'-NoCB	208	—	184	2.13	625.6	48.72	1.33
2,2',3,3',4,4',5,5',6,6'-DeCB	209	—	217	1.72	737.8	57.46	1.57

a Nondetects were not included in calculation of Total PCBs; —: not applicable; nd: nondetect

Table C-25. Dioxin/Furan Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG38263	**Total Volume (mL)**	3050	
KC Sample ID	L54175-1	**Days**	8.12	
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.741	0.489	—	—
1,2,3,7,8-PECDD	0.838	0.489	2.5559	1.92E-03
1,2,3,4,7,8-HXCDD	0.718	0.489	2.1899	1.64E-03
1,2,3,6,7,8-HXCDD	1.02	0.489	3.111	2.33E-03
1,2,3,7,8,9-HXCDD	1.22	0.489	3.721	2.79E-03
1,2,3,4,6,7,8-HPCDD	12.2	0.489	—	—
OCDD	119	0.489	362.95	2.72E-01
2,3,7,8-TCDF	nd	0.489	—	—
1,2,3,7,8-PECDF	nd	0.489	—	—
2,3,4,7,8-PECDF	0.52	0.489	—	—
1,2,3,4,7,8-HXCDF	0.704	0.489	2.1472	1.61E-03
1,2,3,6,7,8-HXCDF	0.623	0.489	1.90015	1.42E-03
1,2,3,7,8,9-HXCDF	0.674	0.489	2.0557	1.54E-03
2,3,4,6,7,8-HXCDF	0.554	0.489	—	—
1,2,3,4,6,7,8-HPCDF	3.86	0.489	11.773	8.83E-03
1,2,3,4,7,8,9-HPCDF	1.65	0.489	—	—
OCDF	9.99	0.489	30.4695	2.28E-02
AXYS Workgroup	WG38263	**Total Volume (mL)**	2000	
KC Sample ID	L54294-1	**Days**	20.03	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.493	—	—
1,2,3,7,8-PECDD	nd	0.493	—	—
1,2,3,4,7,8-HXCDD	nd	0.493	—	—
1,2,3,6,7,8-HXCDD	0.68	0.493	—	—
1,2,3,7,8,9-HXCDD	1.1	0.493	—	—
1,2,3,4,6,7,8-HPCDD	10.4	0.493	20.8	2.84E-02
OCDD	68.6	0.493	137.2	1.87E-01
2,3,7,8-TCDF	nd	0.493	—	—
1,2,3,7,8-PECDF	nd	0.493	—	—
2,3,4,7,8-PECDF	nd	0.493	—	—
1,2,3,4,7,8-HXCDF	nd	0.493	—	—
1,2,3,6,7,8-HXCDF	nd	0.493	—	—
1,2,3,7,8,9-HXCDF	nd	0.493	—	—
2,3,4,6,7,8-HXCDF	nd	0.493	—	—
1,2,3,4,6,7,8-HPCDF	2.77	0.493	5.54	7.56E-03
1,2,3,4,7,8,9-HPCDF	nd	0.493	—	—
OCDF	6.18	0.493	12.36	1.69E-02

Table C-25. Dioxin/Furan Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG39373	**Total Volume (mL)**	1300	
KC Sample ID	L54542-1	**Days**	13.99	
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.577	0.496	—	—
1,2,3,7,8-PECDD	nd	0.496	—	—
1,2,3,4,7,8-HXCDD	0.632	0.496	0.8216	1.60E-03
1,2,3,6,7,8-HXCDD	1.29	0.496	—	—
1,2,3,7,8,9-HXCDD	0.513	0.496	—	—
1,2,3,4,6,7,8-HPCDD	18.1	0.496	23.53	4.60E-02
OCDD	218	1.32	283.4	5.53E-01
2,3,7,8-TCDF	nd	0.496	—	—
1,2,3,7,8-PECDF	nd	0.496	—	—
2,3,4,7,8-PECDF	nd	0.496	—	—
1,2,3,4,7,8-HXCDF	nd	0.496	—	—
1,2,3,6,7,8-HXCDF	nd	0.496	—	—
1,2,3,7,8,9-HXCDF	nd	0.496	—	—
2,3,4,6,7,8-HXCDF	nd	0.496	—	—
1,2,3,4,6,7,8-HPCDF	7.72	0.496	10.036	1.96E-02
1,2,3,4,7,8,9-HPCDF	0.765	0.496	—	—
OCDF	34	0.51	44.2	8.63E-02
AXYS Workgroup	WG39373	**Total Volume (mL)**	2400	
KC Sample ID	L54845-1	**Days**	13.95	
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.496	—	—
1,2,3,7,8-PECDD	nd	0.496	—	—
1,2,3,4,7,8-HXCDD	nd	0.496	—	—
1,2,3,6,7,8-HXCDD	nd	0.496	—	—
1,2,3,7,8,9-HXCDD	nd	0.496	—	—
1,2,3,4,6,7,8-HPCDD	4.89	0.496	11.736	2.30E-02
OCDD	34	0.743	81.6	1.60E-01
2,3,7,8-TCDF	nd	0.496	—	—
1,2,3,7,8-PECDF	nd	0.496	—	—
2,3,4,7,8-PECDF	nd	0.496	—	—
1,2,3,4,7,8-HXCDF	nd	0.496	—	—
1,2,3,6,7,8-HXCDF	nd	0.496	—	—
1,2,3,7,8,9-HXCDF	nd	0.496	—	—
2,3,4,6,7,8-HXCDF	nd	0.496	—	—
1,2,3,4,6,7,8-HPCDF	1.42	0.496	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.496	—	—
OCDF	3.82	0.496	9.168	1.80E-02

Table C-25. Dioxin/Furan Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG40924	**Total Volume (mL)**	2950	
KC Sample ID	L55316-1	**Days**	14.10	
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.28	0.488	3.776	7.32E-03
1,2,3,7,8-PECDD	0.509	0.488	—	—
1,2,3,4,7,8-HXCDD	nd	0.488	—	—
1,2,3,6,7,8-HXCDD	0.551	0.488	—	—
1,2,3,7,8,9-HXCDD	0.828	0.488	—	—
1,2,3,4,6,7,8-HPCDD	10.6	0.488	31.27	6.06E-02
OCDD	62.3	0.488	183.785	3.56E-01
2,3,7,8-TCDF	nd	0.488	—	—
1,2,3,7,8-PECDF	nd	0.488	—	—
2,3,4,7,8-PECDF	nd	0.488	—	—
1,2,3,4,7,8-HXCDF	nd	0.488	—	—
1,2,3,6,7,8-HXCDF	nd	0.488	—	—
1,2,3,7,8,9-HXCDF	nd	0.488	—	—
2,3,4,6,7,8-HXCDF	nd	0.488	—	—
1,2,3,4,6,7,8-HPCDF	2.06	0.488	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.488	—	—
OCDF	5.56	0.488	16.402	3.18E-02
AXYS Workgroup	WG40924	**Total Volume (mL)**	2000	
KC Sample ID	L55530-1	**Days**	13.21	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.07	0.552	—	—
1,2,3,7,8-PECDD	nd	0.552	—	—
1,2,3,4,7,8-HXCDD	nd	0.552	—	—
1,2,3,6,7,8-HXCDD	nd	0.552	—	—
1,2,3,7,8,9-HXCDD	nd	0.552	—	—
1,2,3,4,6,7,8-HPCDD	6.44	0.552	12.88	2.66E-02
OCDD	29	0.552	58	1.20E-01
2,3,7,8-TCDF	nd	0.552	—	—
1,2,3,7,8-PECDF	nd	0.552	—	—
2,3,4,7,8-PECDF	nd	0.552	—	—
1,2,3,4,7,8-HXCDF	nd	0.552	—	—
1,2,3,6,7,8-HXCDF	nd	0.552	—	—
1,2,3,7,8,9-HXCDF	nd	0.552	—	—
2,3,4,6,7,8-HXCDF	nd	0.552	—	—
1,2,3,4,6,7,8-HPCDF	1.02	0.552	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.552	—	—
OCDF	2.03	0.552	—	—

Table C-25. Dioxin/Furan Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56386-9	**Days**	27.13	
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.18	2.62	—	—
1,2,3,7,8-PECDD	8.01	3.46	3.204	7.19E-04
1,2,3,4,7,8-HXCDD	11.9	2.62	4.76	1.07E-03
1,2,3,6,7,8-HXCDD	25	2.62	10	2.25E-03
1,2,3,7,8,9-HXCDD	26.4	2.62	10.56	2.37E-03
1,2,3,4,6,7,8-HPCDD	480	4.26	192	4.31E-02
OCDD	3650	6.13	1460	3.28E-01
2,3,7,8-TCDF (225)[b]	4.39	3.79	1.756	3.94E-04
1,2,3,7,8-PECDF	5.38	2.62	2.152	4.83E-04
2,3,4,7,8-PECDF	5.75	2.62	2.3	5.16E-04
1,2,3,4,7,8-HXCDF	10.7	2.62	4.28	9.61E-04
1,2,3,6,7,8-HXCDF	8.12	2.62	—	—
1,2,3,7,8,9-HXCDF	nd	2.62	—	—
2,3,4,6,7,8-HXCDF	6.56	2.62	2.624	5.89E-04
1,2,3,4,6,7,8-HPCDF	112	2.62	44.8	1.01E-02
1,2,3,4,7,8,9-HPCDF	9.39	2.62	3.756	8.43E-04
OCDF	234	2.62	93.6	2.10E-02

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

nd: nondetect; —: not applicable

Table C-26. Dioxin/Furan Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG37749	**Total Volume (mL)**	550	
KC Sample ID	L53760-5	**Days**	28.88	
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	7.85	2.2	—	—
1,2,3,7,8-PECDD	2.5	2.25	1.375	2.90E-04
1,2,3,4,7,8-HXCDD	nd	4.26	—	—
1,2,3,6,7,8-HXCDD	6	4.26	—	—
1,2,3,7,8,9-HXCDD	9.41	4.26	—	—
1,2,3,4,6,7,8-HPCDD	119	1.9	65.45	1.38E-02
OCDD	791	3.2	435.05	9.18E-02
2,3,7,8-TCDF (225)[b]	1.95	1.9	1.0725	2.26E-04
1,2,3,7,8-PECDF	nd	2.06	—	—
2,3,4,7,8-PECDF	2.51	2.06	—	—
1,2,3,4,7,8-HXCDF	2.96	1.9	—	—
1,2,3,6,7,8-HXCDF	nd	1.9	—	—
1,2,3,7,8,9-HXCDF	nd	1.9	—	—
2,3,4,6,7,8-HXCDF	2.91	1.9	—	—
1,2,3,4,6,7,8-HPCDF	30.9	1.9	—	—
1,2,3,4,7,8,9-HPCDF	4.15	1.9	—	—
OCDF	64.4	1.9	35.42	7.47E-03
AXYS Workgroup	WG39373	**Total Volume (mL)**	1450	
KC Sample ID	L54719-4	**Days**	28.92	
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.495	—	—
1,2,3,7,8-PECDD	1.31	0.495	—	—
1,2,3,4,7,8-HXCDD	2.21	0.495	—	—
1,2,3,6,7,8-HXCDD	3.35	0.495	—	—
1,2,3,7,8,9-HXCDD	2.93	0.495	—	—
1,2,3,4,6,7,8-HPCDD	38.6	0.753	55.97	5.29E-02
OCDD	271	0.552	392.95	3.71E-01
2,3,7,8-TCDF (225)[b]	1.01	0.495	1.4645	1.38E-03
1,2,3,7,8-PECDF	0.691	0.541	—	—
2,3,4,7,8-PECDF	0.943	0.541	—	—
1,2,3,4,7,8-HXCDF	1.06	0.692	—	—
1,2,3,6,7,8-HXCDF	0.884	0.692	—	—
1,2,3,7,8,9-HXCDF	nd	0.692	—	—
2,3,4,6,7,8-HXCDF	1.09	0.692	—	—
1,2,3,4,6,7,8-HPCDF	7.85	0.495	11.3825	1.08E-02
1,2,3,4,7,8,9-HPCDF	1.26	0.495	1.827	1.73E-03
OCDF	15.1	0.495	—	—

Table C-26. Dioxin/Furan Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG39373	**Total Volume (mL)**	2600	
KC Sample ID	L54845-5	**Days**	14.00	
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.825	0.489	—	—
1,2,3,7,8-PECDD	nd	0.489	—	—
1,2,3,4,7,8-HXCDD	nd	0.499	—	—
1,2,3,6,7,8-HXCDD	0.582	0.499	1.5132	2.95E-03
1,2,3,7,8,9-HXCDD	0.691	0.499	—	—
1,2,3,4,6,7,8-HPCDD	6.53	0.489	16.978	3.31E-02
OCDD	45.4	0.489	118.04	2.30E-01
2,3,7,8-TCDF	nd	0.489	—	—
1,2,3,7,8-PECDF	nd	0.489	—	—
2,3,4,7,8-PECDF	nd	0.489	—	—
1,2,3,4,7,8-HXCDF	nd	0.489	—	—
1,2,3,6,7,8-HXCDF	nd	0.489	—	—
1,2,3,7,8,9-HXCDF	nd	0.489	—	—
2,3,4,6,7,8-HXCDF	0.593	0.489	1.5418	3.01E-03
1,2,3,4,6,7,8-HPCDF	1.38	0.489	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.489	—	—
OCDF	3.1	0.671	8.06	1.57E-02
AXYS Workgroup	WG40924	**Total Volume (mL)**	1900	
KC Sample ID	L55530-5	**Days**	12.84	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.709	0.53	1.3471	2.87E-03
1,2,3,7,8-PECDD	nd	0.53	—	—
1,2,3,4,7,8-HXCDD	nd	0.53	—	—
1,2,3,6,7,8-HXCDD	nd	0.53	—	—
1,2,3,7,8,9-HXCDD	0.6	0.53	—	—
1,2,3,4,6,7,8-HPCDD	7.95	0.582	15.105	3.21E-02
OCDD	36.7	0.53	69.73	1.48E-01
2,3,7,8-TCDF	nd	0.53	—	—
1,2,3,7,8-PECDF	nd	0.53	—	—
2,3,4,7,8-PECDF	nd	0.53	—	—
1,2,3,4,7,8-HXCDF	nd	0.53	—	—
1,2,3,6,7,8-HXCDF	nd	0.53	—	—
1,2,3,7,8,9-HXCDF	nd	0.53	—	—
2,3,4,6,7,8-HXCDF	nd	0.53	—	—
1,2,3,4,6,7,8-HPCDF	1.36	0.548	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.548	—	—
OCDF	2.03	0.53	—	—

Table C-26. Dioxin/Furan Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG40924	**Total Volume (mL)**	1850	**Replicate of L55530-5**
KC Sample ID	L55530-6	**Days**	12.84	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.988	0.581	—	—
1,2,3,7,8-PECDD	nd	0.581	—	—
1,2,3,4,7,8-HXCDD	nd	0.581	—	—
1,2,3,6,7,8-HXCDD	nd	0.581	—	—
1,2,3,7,8,9-HXCDD	0.71	0.581	1.3135	2.79E-03
1,2,3,4,6,7,8-HPCDD	7.45	0.581	—	—
OCDD	39.6	0.581	73.26	1.56E-01
2,3,7,8-TCDF (225)[b]	nd	0.753	—	—
1,2,3,7,8-PECDF	nd	0.581	—	—
2,3,4,7,8-PECDF	nd	0.581	—	—
1,2,3,4,7,8-HXCDF	nd	0.581	—	—
1,2,3,6,7,8-HXCDF	nd	0.581	—	—
1,2,3,7,8,9-HXCDF	nd	0.581	—	—
2,3,4,6,7,8-HXCDF	nd	0.581	—	—
1,2,3,4,6,7,8-HPCDF	1.58	0.581	2.923	6.22E-03
1,2,3,4,7,8,9-HPCDF	nd	0.581	—	—
OCDF	1.61	0.581	—	—
AXYS Workgroup	WG40924	**Total Volume (mL)**	3300	
KC Sample ID	L56076-1	**Days**	7.01	
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.498	—	—
1,2,3,7,8-PECDD	nd	0.498	—	—
1,2,3,4,7,8-HXCDD	0.533	0.498	—	—
1,2,3,6,7,8-HXCDD	0.803	0.498	2.6499	2.30E-03
1,2,3,7,8,9-HXCDD	0.79	0.498	2.607	2.26E-03
1,2,3,4,6,7,8-HPCDD	9.92	0.498	32.736	2.84E-02
OCDD	66.3	0.498	218.79	1.90E-01
2,3,7,8-TCDF	nd	0.498	—	—
1,2,3,7,8-PECDF	nd	0.498	—	—
2,3,4,7,8-PECDF	nd	0.498	—	—
1,2,3,4,7,8-HXCDF	nd	0.498	—	—
1,2,3,6,7,8-HXCDF	nd	0.498	—	—
1,2,3,7,8,9-HXCDF	nd	0.498	—	—
2,3,4,6,7,8-HXCDF	nd	0.498	—	—
1,2,3,4,6,7,8-HPCDF	2.46	0.498	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.498	—	—
OCDF	3.34	0.498	—	—

Table C-26. Dioxin/Furan Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56171-1	**Days**	21.02	
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.64	2.73	—	—
1,2,3,7,8-PECDD	7.84	2.73	—	—
1,2,3,4,7,8-HXCDD	9.87	2.73	—	—
1,2,3,6,7,8-HXCDD	17.4	2.73	6.96	2.02E-03
1,2,3,7,8,9-HXCDD	15.8	2.73	6.32	1.83E-03
1,2,3,4,6,7,8-HPCDD	306	2.73	122.4	3.55E-02
OCDD	2190	4.47	876	2.54E-01
2,3,7,8-TCDF (225)[b]	nd	3.61	—	—
1,2,3,7,8-PECDF	nd	2.73	—	—
2,3,4,7,8-PECDF	5.44	2.73	2.176	6.30E-04
1,2,3,4,7,8-HXCDF	6.02	2.73	2.408	6.98E-04
1,2,3,6,7,8-HXCDF	7.23	2.73	—	—
1,2,3,7,8,9-HXCDF	nd	2.73	—	—
2,3,4,6,7,8-HXCDF	5.94	2.73	—	—
1,2,3,4,6,7,8-HPCDF	89.2	2.73	35.68	1.03E-02
1,2,3,4,7,8,9-HPCDF	5.39	2.73	2.156	6.25E-04
OCDF	95.8	2.73	38.32	1.11E-02
AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56292-1	**Days**	21.20	
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.08	2.82	—	—
1,2,3,7,8-PECDD	7.9	2.82	3.16	9.08E-04
1,2,3,4,7,8-HXCDD	8.39	2.82	3.356	9.64E-04
1,2,3,6,7,8-HXCDD	15.7	2.82	6.28	1.80E-03
1,2,3,7,8,9-HXCDD	17.9	2.82	—	—
1,2,3,4,6,7,8-HPCDD	252	2.82	100.8	2.90E-02
OCDD	2380	2.82	952	2.73E-01
2,3,7,8-TCDF (225)[b]	3.06	2.82	1.224	3.52E-04
1,2,3,7,8-PECDF	3.15	2.82	—	—
2,3,4,7,8-PECDF	5.25	2.82	—	—
1,2,3,4,7,8-HXCDF	5.05	2.82	2.02	5.80E-04
1,2,3,6,7,8-HXCDF	5.4	2.82	—	—
1,2,3,7,8,9-HXCDF	nd	2.82	—	—
2,3,4,6,7,8-HXCDF	4.84	2.82	1.936	5.56E-04
1,2,3,4,6,7,8-HPCDF	59.8	2.82	23.92	6.87E-03
1,2,3,4,7,8,9-HPCDF	5.68	2.82	—	—
OCDF	90.3	2.82	36.12	1.04E-02

Table C-26. Dioxin/Furan Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56386-1	**Days**	27.15	
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.31	2.79	—	—
1,2,3,7,8-PECDD	8.36	2.79	—	—
1,2,3,4,7,8-HXCDD	11.3	2.79	4.52	1.01E-03
1,2,3,6,7,8-HXCDD	21.8	2.79	8.72	1.96E-03
1,2,3,7,8,9-HXCDD	24.7	2.79	—	—
1,2,3,4,6,7,8-HPCDD	376	2.79	150.4	3.37E-02
OCDD	3480	2.88	1392	3.12E-01
2,3,7,8-TCDF (225)[b]	10.7	4.27	4.28	9.60E-04
1,2,3,7,8-PECDF	3.67	2.79	1.468	3.29E-04
2,3,4,7,8-PECDF	11	2.79	4.4	9.87E-04
1,2,3,4,7,8-HXCDF	10.8	2.79	—	—
1,2,3,6,7,8-HXCDF	8.75	2.79	—	—
1,2,3,7,8,9-HXCDF	nd	2.79	—	—
2,3,4,6,7,8-HXCDF	10	2.79	4	8.97E-04
1,2,3,4,6,7,8-HPCDF	97.5	2.79	—	—
1,2,3,4,7,8,9-HPCDF	8.86	2.79	3.544	7.95E-04
OCDF	165	2.79	66	1.48E-02

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

nd: nondetect; —: not applicable

Table C-27. Dioxin/Furan Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG37749	**Total Volume (mL)**	600	
KC Sample ID	L53760-12	**Days**	28.89	
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.75	1.79	—	—
1,2,3,7,8-PECDD	4.43	1.79	—	—
1,2,3,4,7,8-HXCDD	6.93	1.79	—	—
1,2,3,6,7,8-HXCDD	17.4	1.79	10.44	0.00
1,2,3,7,8,9-HXCDD	20.1	1.79	—	—
1,2,3,4,6,7,8-HPCDD	277	1.79	166.2	0.04
OCDD	2460	4.38	1476	0.31
2,3,7,8-TCDF (225)[b]	nd	1.79	—	—
1,2,3,7,8-PECDF	2.95	2.11	1.77	0.00
2,3,4,7,8-PECDF	5.99	2.11	—	—
1,2,3,4,7,8-HXCDF	9.08	1.79	—	—
1,2,3,6,7,8-HXCDF	8.26	1.79	4.956	0.00
1,2,3,7,8,9-HXCDF	nd	1.79	—	—
2,3,4,6,7,8-HXCDF	7.04	1.79	—	—
1,2,3,4,6,7,8-HPCDF	93.2	1.79	—	—
1,2,3,4,7,8,9-HPCDF	6.64	1.79	—	—
OCDF	122	1.79	73.2	0.02
AXYS Workgroup	WG38263	**Total Volume (mL)**	3800	
KC Sample ID	L54175-10	**Days**	8.02	
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.485	—	—
1,2,3,7,8-PECDD	nd	0.485	—	—
1,2,3,4,7,8-HXCDD	nd	0.485	—	—
1,2,3,6,7,8-HXCDD	0.537	0.485	—	—
1,2,3,7,8,9-HXCDD	0.507	0.485	—	—
1,2,3,4,6,7,8-HPCDD	9.42	0.485	35.796	0.03
OCDD	57.1	0.485	216.98	0.16
2,3,7,8-TCDF	nd	0.485	—	—
1,2,3,7,8-PECDF	nd	0.485	—	—
2,3,4,7,8-PECDF	nd	0.485	—	—
1,2,3,4,7,8-HXCDF	nd	0.485	—	—
1,2,3,6,7,8-HXCDF	nd	0.485	—	—
1,2,3,7,8,9-HXCDF	nd	0.485	—	—
2,3,4,6,7,8-HXCDF	nd	0.485	—	—
1,2,3,4,6,7,8-HPCDF	2.41	0.485	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.485	—	—
OCDF	4.41	0.485	16.758	0.01

Table C-27. Dioxin/Furan Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG38263	**Total Volume (mL)**	1950	
KC Sample ID	L54294-8	**Days**	19.91	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.487	—	—
1,2,3,7,8-PECDD	nd	0.487	—	—
1,2,3,4,7,8-HXCDD	nd	0.487	—	—
1,2,3,6,7,8-HXCDD	nd	0.487	—	—
1,2,3,7,8,9-HXCDD	1.08	0.487	2.106	0.00
1,2,3,4,6,7,8-HPCDD	15.9	0.487	31.005	0.04
OCDD	137	0.487	267.15	0.37
2,3,7,8-TCDF	nd	0.487	—	—
1,2,3,7,8-PECDF	nd	0.487	—	—
2,3,4,7,8-PECDF	nd	0.487	—	—
1,2,3,4,7,8-HXCDF	nd	0.487	—	—
1,2,3,6,7,8-HXCDF	nd	0.487	—	—
1,2,3,7,8,9-HXCDF	nd	0.487	—	—
2,3,4,6,7,8-HXCDF	nd	0.487	—	—
1,2,3,4,6,7,8-HPCDF	3.31	0.487	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.487	—	—
OCDF	12	0.487	—	—
AXYS Workgroup	WG39373	**Total Volume (mL)**	1500	
KC Sample ID	L54719-8	**Days**	28.93	
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.06	0.499	—	—
1,2,3,7,8-PECDD	1.03	0.499	—	—
1,2,3,4,7,8-HXCDD	1.65	0.531	—	—
1,2,3,6,7,8-HXCDD	2.66	0.531	3.99	0.00
1,2,3,7,8,9-HXCDD	1.96	0.531	2.94	0.00
1,2,3,4,6,7,8-HPCDD	26.6	0.499	39.9	0.04
OCDD	250	0.556	375	0.35
2,3,7,8-TCDF (225)[b]	nd	0.641	—	—
1,2,3,7,8-PECDF	0.57	0.499	—	—
2,3,4,7,8-PECDF	0.947	0.499	1.4205	0.00
1,2,3,4,7,8-HXCDF	0.902	0.751	1.353	0.00
1,2,3,6,7,8-HXCDF	nd	0.751	—	—
1,2,3,7,8,9-HXCDF	nd	0.751	—	—
2,3,4,6,7,8-HXCDF	1.09	0.751	—	—
1,2,3,4,6,7,8-HPCDF	7.63	0.499	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.499	—	—
OCDF	18.7	0.499	28.05	0.03

Table C-27. Dioxin/Furan Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG39373	**Total Volume (mL)**	2650	
KC Sample ID	L54980-7	**Days**	14.02	
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.818	0.495	—	—
1,2,3,7,8-PECDD	nd	0.495	—	—
1,2,3,4,7,8-HXCDD	nd	0.495	—	—
1,2,3,6,7,8-HXCDD	nd	0.495	—	—
1,2,3,7,8,9-HXCDD	nd	0.495	—	—
1,2,3,4,6,7,8-HPCDD	7.4	0.495	19.61	0.04
OCDD	53.8	0.752	142.57	0.28
2,3,7,8-TCDF	nd	0.495	—	—
1,2,3,7,8-PECDF	nd	0.495	—	—
2,3,4,7,8-PECDF	nd	0.495	—	—
1,2,3,4,7,8-HXCDF	nd	0.495	—	—
1,2,3,6,7,8-HXCDF	nd	0.495	—	—
1,2,3,7,8,9-HXCDF	nd	0.495	—	—
2,3,4,6,7,8-HXCDF	nd	0.495	—	—
1,2,3,4,6,7,8-HPCDF	1.71	0.495	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.495	—	—
OCDF	3.93	0.495	—	—
AXYS Workgroup	WG40924	**Total Volume (mL)**	2950	
KC Sample ID	L55316-8	**Days**	13.98	
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.16	0.495	3.422	0.01
1,2,3,7,8-PECDD	nd	0.495	—	—
1,2,3,4,7,8-HXCDD	nd	0.495	—	—
1,2,3,6,7,8-HXCDD	0.766	0.495	—	—
1,2,3,7,8,9-HXCDD	0.828	0.495	—	—
1,2,3,4,6,7,8-HPCDD	10.2	0.495	30.09	0.06
OCDD	74.4	0.495	219.48	0.43
2,3,7,8-TCDF (225)[b]	nd	0.608	—	—
1,2,3,7,8-PECDF	nd	0.495	—	—
2,3,4,7,8-PECDF	nd	0.495	—	—
1,2,3,4,7,8-HXCDF	nd	0.495	—	—
1,2,3,6,7,8-HXCDF	nd	0.495	—	—
1,2,3,7,8,9-HXCDF	nd	0.495	—	—
2,3,4,6,7,8-HXCDF	nd	0.495	—	—
1,2,3,4,6,7,8-HPCDF	2.52	0.495	7.434	0.01
1,2,3,4,7,8,9-HPCDF	nd	0.495	—	—
OCDF	4.81	0.495	—	—

Table C-27. Dioxin/Furan Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG40924	**Total Volume (mL)**	3200	
KC Sample ID	L56076-5	**Days**	7.00	
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.492	—	—
1,2,3,7,8-PECDD	0.532	0.492	1.7024	0.00
1,2,3,4,7,8-HXCDD	0.654	0.492	—	—
1,2,3,6,7,8-HXCDD	2.03	0.492	6.496	0.01
1,2,3,7,8,9-HXCDD	1.94	0.492	—	—
1,2,3,4,6,7,8-HPCDD	24.5	0.492	78.4	0.068241997
OCDD	136	0.492	435.2	0.378812717
2,3,7,8-TCDF (225)[b]	nd	0.514	—	—
1,2,3,7,8-PECDF	nd	0.492	—	—
2,3,4,7,8-PECDF	0.689	0.492	2.2048	0.00
1,2,3,4,7,8-HXCDF	nd	0.492	—	—
1,2,3,6,7,8-HXCDF	nd	0.492	—	—
1,2,3,7,8,9-HXCDF	nd	0.492	—	—
2,3,4,6,7,8-HXCDF	0.55	0.492	—	—
1,2,3,4,6,7,8-HPCDF	4.4	0.492	14.08	0.01
1,2,3,4,7,8,9-HPCDF	0.608	0.492	—	—
OCDF	7.64	0.492	24.448	0.02
AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56171-5	**Days**	21.04	
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.3	2.85	—	—
1,2,3,7,8-PECDD	8.6	2.85	3.44	0.000995646
1,2,3,4,7,8-HXCDD	14.1	2.85	5.64	0.001632397
1,2,3,6,7,8-HXCDD	27.4	2.85	—	—
1,2,3,7,8,9-HXCDD	26.1	2.85	10.44	0.003021671
1,2,3,4,6,7,8-HPCDD	464	3.6	185.6	0.0537186
OCDD	3460	2.85	1384	0.40057404
2,3,7,8-TCDF (225)[b]	4.13	3.41	—	—
1,2,3,7,8-PECDF	3.02	2.85	—	—
2,3,4,7,8-PECDF	6.29	2.85	—	—
1,2,3,4,7,8-HXCDF	12.6	2.85	5.04	0.001458738
1,2,3,6,7,8-HXCDF	9.87	2.85	3.948	0.001142678
1,2,3,7,8,9-HXCDF	nd	2.85	—	—
2,3,4,6,7,8-HXCDF	7.72	2.85	—	—
1,2,3,4,6,7,8-HPCDF	106	3.02	42.4	0.012271921
1,2,3,4,7,8,9-HPCDF	6.46	3.02	—	—
OCDF	154	3.24	61.6	0.017829018

Table C-27. Dioxin/Furan Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56292-5	**Days**	21.19	
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	7.27	2.74	—	—
1,2,3,7,8-PECDD	12.5	2.74	5	0.00
1,2,3,4,7,8-HXCDD	13.9	2.74	5.56	0.00
1,2,3,6,7,8-HXCDD	35.5	2.74	14.2	0.00
1,2,3,7,8,9-HXCDD	38.6	2.74	—	—
1,2,3,4,6,7,8-HPCDD	606	2.74	242.4	0.07
OCDD	5890	4.91	2356	0.68
2,3,7,8-TCDF (225)[b]	8.58	3.33	3.432	0.00
1,2,3,7,8-PECDF	6.74	2.74	2.696	0.00
2,3,4,7,8-PECDF	8.44	2.74	—	—
1,2,3,4,7,8-HXCDF	9.83	2.74	—	—
1,2,3,6,7,8-HXCDF	11.6	2.74	4.64	0.00
1,2,3,7,8,9-HXCDF	nd	2.74	—	—
2,3,4,6,7,8-HXCDF	9.31	2.74	3.724	0.00
1,2,3,4,6,7,8-HPCDF	125	2.74	50	0.01
1,2,3,4,7,8,9-HPCDF	6.19	2.74	2.476	0.00
OCDF	187	2.74	74.8	0.02
AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56386-5	**Days**	27.10	
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.19	2.26	—	—
1,2,3,7,8-PECDD	10.9	2.26	4.36	0.00
1,2,3,4,7,8-HXCDD	9.39	2.26	3.756	0.00
1,2,3,6,7,8-HXCDD	24.5	2.26	9.8	0.00
1,2,3,7,8,9-HXCDD	26.3	2.26	10.52	0.00
1,2,3,4,6,7,8-HPCDD	488	2.45	195.2	0.04
OCDD	3550	3.95	1420	0.32
2,3,7,8-TCDF (225)[b]	3.64	3.13	1.456	0.00
1,2,3,7,8-PECDF	6.16	2.26	2.464	0.00
2,3,4,7,8-PECDF	7.45	2.26	2.98	0.00
1,2,3,4,7,8-HXCDF	10.3	2.26	4.12	0.00
1,2,3,6,7,8-HXCDF	10.6	2.26	4.24	0.00
1,2,3,7,8,9-HXCDF	nd	2.26	—	—
2,3,4,6,7,8-HXCDF	9.79	2.26	3.916	0.00
1,2,3,4,6,7,8-HPCDF	111	2.26	44.4	0.01
1,2,3,4,7,8,9-HPCDF	7.12	2.26	—	—
OCDF	193	2.26	77.2	0.02

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

nd: nondetect; —: not applicable

Table C-28. Dioxin/Furan Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG37749	**Total Volume (mL)**	1500	
KC Sample ID	L53760-1	**Days**	28.90	
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.46	0.747	—	—
1,2,3,7,8-PECDD	4.57	0.789	—	—
1,2,3,4,7,8-HXCDD	6.89	0.747	—	—
1,2,3,6,7,8-HXCDD	10.1	0.747	15.15	0.00
1,2,3,7,8,9-HXCDD	13.2	0.747	19.8	0.00
1,2,3,4,6,7,8-HPCDD	193	0.747	289.5	0.06
OCDD	1520	1.2	2280	0.48
2,3,7,8-TCDF (225)[b]	nd	0.747	—	—
1,2,3,7,8-PECDF	nd	0.803	—	—
2,3,4,7,8-PECDF	1.79	0.803	—	—
1,2,3,4,7,8-HXCDF	3.44	0.747	—	—
1,2,3,6,7,8-HXCDF	4.01	0.747	—	—
1,2,3,7,8,9-HXCDF	nd	0.747	—	—
2,3,4,6,7,8-HXCDF	2.98	0.747	—	—
1,2,3,4,6,7,8-HPCDF	66.3	0.819	99.45	0.02
1,2,3,4,7,8,9-HPCDF	5.13	0.819	7.695	0.00
OCDF	233	0.874	349.5	0.07
AXYS Workgroup	WG38263	**Total Volume (mL)**	3400	
KC Sample ID	L54175-14	**Days**	8.02	
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.915	0.471	—	—
1,2,3,7,8-PECDD	2.42	0.471	8.228	0.01
1,2,3,4,7,8-HXCDD	5.2	0.471	17.68	0.01
1,2,3,6,7,8-HXCDD	8.41	0.471	28.594	0.02
1,2,3,7,8,9-HXCDD	7.45	0.471	25.33	0.02
1,2,3,4,6,7,8-HPCDD	160	0.498	544	0.41
OCDD	1480	0.471	5032	3.82
2,3,7,8-TCDF	nd	0.471	—	—
1,2,3,7,8-PECDF	1.2	0.495	4.08	0.00
2,3,4,7,8-PECDF	1.08	0.495	3.672	0.00
1,2,3,4,7,8-HXCDF	2.78	0.844	9.452	0.01
1,2,3,6,7,8-HXCDF	2.17	0.844	7.378	0.01
1,2,3,7,8,9-HXCDF	nd	0.844	—	—
2,3,4,6,7,8-HXCDF	1.74	0.844	—	—
1,2,3,4,6,7,8-HPCDF	66.6	0.56	226.44	0.17
1,2,3,4,7,8,9-HPCDF	4.21	0.56	14.314	0.01
OCDF	315	0.867	1071	0.81

Table C-28. Dioxin/Furan Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG38263	**Total Volume (mL)**	3100	**Replicate of L54175-14**
KC Sample ID	L54175-15	**Days**	8.02	
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.609	0.483	—	—
1,2,3,7,8-PECDD	1.4	0.483	—	—
1,2,3,4,7,8-HXCDD	4.66	0.483	—	—
1,2,3,6,7,8-HXCDD	6.35	0.483	19.685	0.01
1,2,3,7,8,9-HXCDD	7.87	0.483	24.397	0.02
1,2,3,4,6,7,8-HPCDD	158	0.903	489.8	0.37
OCDD	1630	0.483	5053	3.84
2,3,7,8-TCDF	nd	0.483	—	—
1,2,3,7,8-PECDF	nd	0.483	—	—
2,3,4,7,8-PECDF	nd	0.483	—	—
1,2,3,4,7,8-HXCDF	1.98	0.483	—	—
1,2,3,6,7,8-HXCDF	1.94	0.483	6.014	0.00
1,2,3,7,8,9-HXCDF	nd	0.483	—	—
2,3,4,6,7,8-HXCDF	1.82	0.483	—	—
1,2,3,4,6,7,8-HPCDF	71.3	0.483	221.03	0.17
1,2,3,4,7,8,9-HPCDF	4.49	0.483	13.919	0.01
OCDF	346	0.483	1072.6	0.81
AXYS Workgroup	WG38263	**Total Volume (mL)**	2700	
KC Sample ID	L54294-12	**Days**	19.88	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.473	—	—
1,2,3,7,8-PECDD	0.798	0.473	—	—
1,2,3,4,7,8-HXCDD	1.26	0.612	3.402	0.00
1,2,3,6,7,8-HXCDD	1.29	0.612	—	—
1,2,3,7,8,9-HXCDD	4.02	0.612	10.854	0.01
1,2,3,4,6,7,8-HPCDD	57	0.473	153.9	0.21
OCDD	521	0.477	1406.7	1.93
2,3,7,8-TCDF	nd	0.473	—	—
1,2,3,7,8-PECDF	nd	0.55	—	—
2,3,4,7,8-PECDF	nd	0.55	—	—
1,2,3,4,7,8-HXCDF	1.08	0.473	2.916	0.00
1,2,3,6,7,8-HXCDF	0.75	0.473	—	—
1,2,3,7,8,9-HXCDF	nd	0.473	—	—
2,3,4,6,7,8-HXCDF	0.919	0.473	2.4813	0.00
1,2,3,4,6,7,8-HPCDF	19.9	0.473	53.73	0.07
1,2,3,4,7,8,9-HPCDF	1.67	0.473	—	—
OCDF	88.6	0.473	239.22	0.33

Table C-28. Dioxin/Furan Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG38263	**Total Volume (mL)**	2700	**Replicate of L54294-12**
KC Sample ID	L54294-13	**Days**	19.88	
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.483	—	—
1,2,3,7,8-PECDD	0.993	0.483	—	—
1,2,3,4,7,8-HXCDD	1.92	0.483	—	—
1,2,3,6,7,8-HXCDD	1.96	0.483	—	—
1,2,3,7,8,9-HXCDD	2.98	0.483	—	—
1,2,3,4,6,7,8-HPCDD	62.8	0.483	169.56	0.23
OCDD	742	0.994	2003.4	2.75
2,3,7,8-TCDF	nd	0.483	—	—
1,2,3,7,8-PECDF	nd	0.483	—	—
2,3,4,7,8-PECDF	nd	0.483	—	—
1,2,3,4,7,8-HXCDF	0.658	0.483	1.7766	0.00
1,2,3,6,7,8-HXCDF	nd	0.483	—	—
1,2,3,7,8,9-HXCDF	nd	0.483	—	—
2,3,4,6,7,8-HXCDF	0.679	0.483	—	—
1,2,3,4,6,7,8-HPCDF	24.6	0.483	66.42	0.09
1,2,3,4,7,8,9-HPCDF	1.83	0.483	—	—
OCDF	156	0.483	421.2	0.58
AXYS Workgroup	WG39373	**Total Volume (mL)**	1200	
KC Sample ID	L54542-12	**Days**	13.99	
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.897	0.501	—	—
1,2,3,7,8-PECDD	1.82	0.774	2.184	0.00
1,2,3,4,7,8-HXCDD	2.89	0.501	—	—
1,2,3,6,7,8-HXCDD	4.36	0.501	—	—
1,2,3,7,8,9-HXCDD	4.93	0.501	—	—
1,2,3,4,6,7,8-HPCDD	80.9	0.915	97.08	0.19
OCDD	1040	0.501	1248	2.44
2,3,7,8-TCDF (225)[b]	nd	0.501	—	—
1,2,3,7,8-PECDF	nd	0.906	—	—
2,3,4,7,8-PECDF	nd	0.906	—	—
1,2,3,4,7,8-HXCDF	0.986	0.501	—	—
1,2,3,6,7,8-HXCDF	1.08	0.501	1.296	0.00
1,2,3,7,8,9-HXCDF	nd	0.501	—	—
2,3,4,6,7,8-HXCDF	1.27	0.501	—	—
1,2,3,4,6,7,8-HPCDF	37	0.651	44.4	0.09
1,2,3,4,7,8,9-HPCDF	2.98	0.651	—	—
OCDF	181	1.34	217.2	0.42

Table C-28. Dioxin/Furan Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG39373	**Total Volume (mL)**	1550	
KC Sample ID	L55159-11	**Days**	12.96	
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.621	0.503	—	—
1,2,3,7,8-PECDD	2.15	0.503	3.3325	0.01
1,2,3,4,7,8-HXCDD	7.97	0.706	12.3535	0.03
1,2,3,6,7,8-HXCDD	13.1	0.706	20.305	0.04
1,2,3,7,8,9-HXCDD	13	0.706	—	—
1,2,3,4,6,7,8-HPCDD	347	1.94	537.85	1.13
OCDD	4400	0.503	6820	14.38
2,3,7,8-TCDF (225)[b]	nd	0.503	—	—
1,2,3,7,8-PECDF	nd	0.528	—	—
2,3,4,7,8-PECDF	0.728	0.528	—	—
1,2,3,4,7,8-HXCDF	3.76	0.503	—	—
1,2,3,6,7,8-HXCDF	1.93	0.503	—	—
1,2,3,7,8,9-HXCDF	nd	0.503	—	—
2,3,4,6,7,8-HXCDF	1.39	0.503	—	—
1,2,3,4,6,7,8-HPCDF	113	0.748	175.15	0.37
1,2,3,4,7,8,9-HPCDF	12.2	0.748	18.91	0.04
OCDF	717	2.09	1111.35	2.34
AXYS Workgroup	WG40924	**Total Volume (mL)**	750	
KC Sample ID	L55963-11	**Days**	22.01	
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.46	1.38	—	—
1,2,3,7,8-PECDD	2.23	1.38	—	—
1,2,3,4,7,8-HXCDD	5.41	1.38	—	—
1,2,3,6,7,8-HXCDD	26.4	1.38	19.8	0.02
1,2,3,7,8,9-HXCDD	13	1.38	9.75	0.01
1,2,3,4,6,7,8-HPCDD	489	1.38	366.75	0.46
OCDD	4450	1.38	3337.5	4.14
2,3,7,8-TCDF (225)[b]	nd	1.38	—	—
1,2,3,7,8-PECDF	4.98	1.38	3.735	0.00
2,3,4,7,8-PECDF	3.46	1.38	2.595	0.00
1,2,3,4,7,8-HXCDF	10.3	1.38	7.725	0.01
1,2,3,6,7,8-HXCDF	6.98	1.38	5.235	0.01
1,2,3,7,8,9-HXCDF	1.89	1.38	1.4175	0.00
2,3,4,6,7,8-HXCDF	4.29	1.38	3.2175	0.00
1,2,3,4,6,7,8-HPCDF	143	1.38	107.25	0.13
1,2,3,4,7,8,9-HPCDF	7.53	1.38	5.6475	0.01
OCDF	190	1.38	142.5	0.18

Table C-28. Dioxin/Furan Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG40924	**Total Volume (mL)**	4250	
KC Sample ID	L56076-9	**Days**	6.99	
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.494	—	—
1,2,3,7,8-PECDD	0.536	0.494	2.278	0.00
1,2,3,4,7,8-HXCDD	0.961	0.494	4.08425	0.00
1,2,3,6,7,8-HXCDD	1.19	0.494	5.0575	0.00
1,2,3,7,8,9-HXCDD	2.23	0.494	9.4775	0.01
1,2,3,4,6,7,8-HPCDD	36.8	0.494	156.4	0.14
OCDD	350	0.524	1487.5	1.30
2,3,7,8-TCDF	nd	0.494	—	—
1,2,3,7,8-PECDF	nd	0.494	—	—
2,3,4,7,8-PECDF	nd	0.494	—	—
1,2,3,4,7,8-HXCDF	0.579	0.494	—	—
1,2,3,6,7,8-HXCDF	0.748	0.494	3.179	0.00
1,2,3,7,8,9-HXCDF	nd	0.494	—	—
2,3,4,6,7,8-HXCDF	0.55	0.494	2.3375	0.00
1,2,3,4,6,7,8-HPCDF	14.9	0.494	63.325	0.06
1,2,3,4,7,8,9-HPCDF	1.14	0.494	4.845	0.00
OCDF	68.4	0.527	290.7	0.25
AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56171-9	**Days**	21.08	
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.32	2.82	1.728	0.00
1,2,3,7,8-PECDD	18.9	2.82	—	—
1,2,3,4,7,8-HXCDD	34.4	2.82	13.76	0.00
1,2,3,6,7,8-HXCDD	63.3	2.82	25.32	0.01
1,2,3,7,8,9-HXCDD	74.7	2.82	29.88	0.01
1,2,3,4,6,7,8-HPCDD	1260	3.14	504	0.15
OCDD	8660	4.75	3464	1.00
2,3,7,8-TCDF (225)[b]	nd	3.15	—	—
1,2,3,7,8-PECDF	4.85	2.82	1.94	0.00
2,3,4,7,8-PECDF	7.97	2.82	3.188	0.00
1,2,3,4,7,8-HXCDF	21.1	2.82	8.44	0.00
1,2,3,6,7,8-HXCDF	17.4	2.82	6.96	0.00
1,2,3,7,8,9-HXCDF	nd	2.82	—	—
2,3,4,6,7,8-HXCDF	14.3	2.82	5.72	0.00
1,2,3,4,6,7,8-HPCDF	465	3.22	186	0.05
1,2,3,4,7,8,9-HPCDF	38	3.22	15.2	0.00
OCDF	1750	2.82	700	0.20

Table C-28. Dioxin/Furan Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56292-9	**Days**	21.16	
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	7.43	2.76	—	—
1,2,3,7,8-PECDD	28.1	2.76	11.24	0.00
1,2,3,4,7,8-HXCDD	38.7	2.76	15.48	0.00
1,2,3,6,7,8-HXCDD	76.2	2.76	30.48	0.01
1,2,3,7,8,9-HXCDD	80.1	2.76	32.04	0.01
1,2,3,4,6,7,8-HPCDD	1470	4.42	588	0.17
OCDD	13000	2.8	5200	1.50
2,3,7,8-TCDF (225)[b]	4.02	2.76	—	—
1,2,3,7,8-PECDF	4.28	2.76	1.712	0.00
2,3,4,7,8-PECDF	9.24	2.76	3.696	0.00
1,2,3,4,7,8-HXCDF	25.2	2.76	10.08	0.00
1,2,3,6,7,8-HXCDF	20.9	2.76	8.36	0.00
1,2,3,7,8,9-HXCDF	nd	2.76	—	—
2,3,4,6,7,8-HXCDF	19.1	2.76	7.64	0.00
1,2,3,4,6,7,8-HPCDF	384	2.76	153.6	0.04
1,2,3,4,7,8,9-HPCDF	25.1	2.76	10.04	0.00
OCDF	986	2.76	394.4	0.11
AXYS Workgroup	WG41911	**Total Volume (mL)**	3200	
KC Sample ID	L56620-1	**Days**	14.05	
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.499	—	—
1,2,3,7,8-PECDD	2.37	0.499	7.584	0.01
1,2,3,4,7,8-HXCDD	5.15	0.499	16.48	0.03
1,2,3,6,7,8-HXCDD	8.52	0.499	—	—
1,2,3,7,8,9-HXCDD	10	0.499	32	0.06
1,2,3,4,6,7,8-HPCDD	237	0.968	758.4	1.47
OCDD	2930	0.499	9376	18.23
2,3,7,8-TCDF	nd	0.499	—	—
1,2,3,7,8-PECDF	nd	0.499	—	—
2,3,4,7,8-PECDF	0.85	0.499	—	—
1,2,3,4,7,8-HXCDF	2.98	0.499	9.536	0.02
1,2,3,6,7,8-HXCDF	3.53	0.499	11.296	0.02
1,2,3,7,8,9-HXCDF	nd	0.499	—	—
2,3,4,6,7,8-HXCDF	2.67	0.499	8.544	0.02
1,2,3,4,6,7,8-HPCDF	175	0.499	560	1.09
1,2,3,4,7,8,9-HPCDF	8.85	0.499	28.32	0.06
OCDF	549	0.564	1756.8	3.42

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

nd: nondetect; —: not applicable

Table C-29. Dioxin/Furan Flux Calculations by Congener for for Kent_SC Station

AXYS Workgroup	WG40924	**Total Volume (mL)**	700	
KC Sample ID	L55963-17	**Days**	21.99	
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.38	1.35	—	—
1,2,3,7,8-PECDD	nd	1.35	—	—
1,2,3,4,7,8-HXCDD	nd	1.35	—	—
1,2,3,6,7,8-HXCDD	1.92	1.35	—	—
1,2,3,7,8,9-HXCDD	3.13	1.35	2.191	0.00
1,2,3,4,6,7,8-HPCDD	49.5	1.35	34.65	0.04
OCDD	351	1.35	245.7	0.31
2,3,7,8-TCDF	nd	1.35	—	—
1,2,3,7,8-PECDF	nd	1.35	—	—
2,3,4,7,8-PECDF	nd	1.35	—	—
1,2,3,4,7,8-HXCDF	nd	1.35	—	—
1,2,3,6,7,8-HXCDF	nd	1.35	—	—
1,2,3,7,8,9-HXCDF	nd	1.35	—	—
2,3,4,6,7,8-HXCDF	nd	1.35	—	—
1,2,3,4,6,7,8-HPCDF	15	1.35	10.5	0.01
1,2,3,4,7,8,9-HPCDF	nd	1.35	—	—
OCDF	40.2	1.35	28.14	0.03
AXYS Workgroup	WG40924	**Total Volume (mL)**	4300	
KC Sample ID	L56076-13	**Days**	6.99	
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.499	—	—
1,2,3,7,8-PECDD	nd	0.499	—	—
1,2,3,4,7,8-HXCDD	nd	0.499	—	—
1,2,3,6,7,8-HXCDD	0.509	0.499	2.1887	0.00
1,2,3,7,8,9-HXCDD	0.577	0.499	—	—
1,2,3,4,6,7,8-HPCDD	5.39	0.499	23.177	0.02
OCDD	40.5	0.499	174.15	0.15
2,3,7,8-TCDF	nd	0.499	—	—
1,2,3,7,8-PECDF	nd	0.499	—	—
2,3,4,7,8-PECDF	nd	0.499	—	—
1,2,3,4,7,8-HXCDF	nd	0.499	—	—
1,2,3,6,7,8-HXCDF	nd	0.499	—	—
1,2,3,7,8,9-HXCDF	nd	0.499	—	—
2,3,4,6,7,8-HXCDF	nd	0.499	—	—
1,2,3,4,6,7,8-HPCDF	1.62	0.499	6.966	0.01
1,2,3,4,7,8,9-HPCDF	nd	0.499	—	—
OCDF	3.42	0.499	14.706	0.01

Table C-29. Dioxin/Furan Flux Calculations by Congener for for Kent_SC Station

AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56171-13	**Days**	21.03	
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	2.79	—	—
1,2,3,7,8-PECDD	7.95	2.79	3.18	0.00
1,2,3,4,7,8-HXCDD	nd	17.3	—	—
1,2,3,6,7,8-HXCDD	31.4	17.3	—	—
1,2,3,7,8,9-HXCDD	23.1	17.3	—	—
1,2,3,4,6,7,8-HPCDD	341	19.4	136.4	0.04
OCDD	2130	24	852	0.25
2,3,7,8-TCDF (225)[b]	nd	3.03	—	—
1,2,3,7,8-PECDF	3.23	2.79	—	—
2,3,4,7,8-PECDF	6.56	2.79	2.624	0.00
1,2,3,4,7,8-HXCDF	nd	12.4	—	—
1,2,3,6,7,8-HXCDF	nd	12.4	—	—
1,2,3,7,8,9-HXCDF	nd	12.4	—	—
2,3,4,6,7,8-HXCDF	nd	12.4	—	—
1,2,3,4,6,7,8-HPCDF	92.9	36.6	—	—
1,2,3,4,7,8,9-HPCDF	nd	36.6	—	—
OCDF	117	17	46.8	0.01
AXYS Workgroup	WG41911	**Total Volume (mL)**	400	
KC Sample ID	L56292-15	**Days**	21.20	
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.29	2.77	—	—
1,2,3,7,8-PECDD	10.4	2.77	4.16	0.00
1,2,3,4,7,8-HXCDD	13.1	2.77	—	—
1,2,3,6,7,8-HXCDD	27.2	2.77	10.88	0.00
1,2,3,7,8,9-HXCDD	33.4	2.77	13.36	0.00
1,2,3,4,6,7,8-HPCDD	472	2.77	188.8	0.05
OCDD	3450	2.77	1380	0.40
2,3,7,8-TCDF (225)[b]	nd	2.77	—	—
1,2,3,7,8-PECDF	3.63	2.77	—	—
2,3,4,7,8-PECDF	5.68	2.77	2.272	0.00
1,2,3,4,7,8-HXCDF	8.44	2.77	3.376	0.00
1,2,3,6,7,8-HXCDF	10.4	2.77	—	—
1,2,3,7,8,9-HXCDF	nd	2.77	—	—
2,3,4,6,7,8-HXCDF	6.37	2.77	—	—
1,2,3,4,6,7,8-HPCDF	109	2.77	43.6	0.01
1,2,3,4,7,8,9-HPCDF	9.89	2.77	3.956	0.00
OCDF	215	2.77	86	0.02

Table C-29. Dioxin/Furan Flux Calculations by Congener for for Kent_SC Station

AXYS Workgroup	WG41911	**Total Volume (mL)**	3250	
KC Sample ID	L56620-5	**Days**	14.05	
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.471	—	—
1,2,3,7,8-PECDD	nd	0.471	—	—
1,2,3,4,7,8-HXCDD	nd	0.471	—	—
1,2,3,6,7,8-HXCDD	0.583	0.471	—	—
1,2,3,7,8,9-HXCDD	0.483	0.471	—	—
1,2,3,4,6,7,8-HPCDD	5.7	0.471	18.525	0.04
OCDD	39.1	0.471	127.075	0.25
2,3,7,8-TCDF	nd	0.471	—	—
1,2,3,7,8-PECDF	nd	0.471	—	—
2,3,4,7,8-PECDF	nd	0.471	—	—
1,2,3,4,7,8-HXCDF	nd	0.471	—	—
1,2,3,6,7,8-HXCDF	nd	0.471	—	—
1,2,3,7,8,9-HXCDF	nd	0.471	—	—
2,3,4,6,7,8-HXCDF	nd	0.471	—	—
1,2,3,4,6,7,8-HPCDF	1.41	0.471	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.471	—	—
OCDF	4.64	0.471	15.08	0.03

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

nd: nondetect; —: not applicable

Table C-30. Dioxin/Furan Flux Calculations by Congener for Enumclaw (PSCAA-DF) Station

AXYS Workgroup	WG39373	**Total Volume (mL)**	2200	
KC Sample ID	L54719-15	**Days**	28.93	
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.709	0.492	—	—
1,2,3,7,8-PECDD	nd	0.492	—	—
1,2,3,4,7,8-HXCDD	nd	0.492	—	—
1,2,3,6,7,8-HXCDD	0.898	0.492	—	—
1,2,3,7,8,9-HXCDD	0.928	0.492	2.0416	0.00
1,2,3,4,6,7,8-HPCDD	6.56	0.492	14.432	0.01
OCDD	31.1	0.492	68.42	0.06
2,3,7,8-TCDF	nd	0.492	—	—
1,2,3,7,8-PECDF	nd	0.492	—	—
2,3,4,7,8-PECDF	nd	0.492	—	—
1,2,3,4,7,8-HXCDF	nd	0.492	—	—
1,2,3,6,7,8-HXCDF	nd	0.492	—	—
1,2,3,7,8,9-HXCDF	nd	0.492	—	—
2,3,4,6,7,8-HXCDF	0.56	0.492	1.232	0.00
1,2,3,4,6,7,8-HPCDF	0.975	0.492	2.145	0.00
1,2,3,4,7,8,9-HPCDF	nd	0.492	—	—
OCDF	0.765	0.492	—	—
AXYS Workgroup	WG39373	**Total Volume (mL)**	3100	
KC Sample ID	L54980-14	**Days**	13.98	
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.759	0.495	—	—
1,2,3,7,8-PECDD	nd	0.495	—	—
1,2,3,4,7,8-HXCDD	nd	0.495	—	—
1,2,3,6,7,8-HXCDD	nd	0.495	—	—
1,2,3,7,8,9-HXCDD	nd	0.495	—	—
1,2,3,4,6,7,8-HPCDD	2.33	0.495	—	—
OCDD	6.11	0.495	18.941	0.04
2,3,7,8-TCDF	nd	0.495	—	—
1,2,3,7,8-PECDF	nd	0.495	—	—
2,3,4,7,8-PECDF	nd	0.495	—	—
1,2,3,4,7,8-HXCDF	nd	0.495	—	—
1,2,3,6,7,8-HXCDF	nd	0.495	—	—
1,2,3,7,8,9-HXCDF	nd	0.495	—	—
2,3,4,6,7,8-HXCDF	nd	0.495	—	—
1,2,3,4,6,7,8-HPCDF	nd	0.495	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.495	—	—
OCDF	nd	0.495	—	—

Table C-30. Dioxin/Furan Flux Calculations by Congener for Enumclaw (PSCAA-DF) Station

AXYS Workgroup	WG40924	**Total Volume (mL)**	4500	
KC Sample ID	L55793-13	**Days**	25.03	
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.496	—	—
1,2,3,7,8-PECDD	nd	0.496	—	—
1,2,3,4,7,8-HXCDD	nd	1.03	—	—
1,2,3,6,7,8-HXCDD	nd	1.03	—	—
1,2,3,7,8,9-HXCDD	1.04	1.03	4.68	0.01
1,2,3,4,6,7,8-HPCDD	10.8	0.692	48.6	0.05
OCDD	40.9	0.746	184.05	0.20
2,3,7,8-TCDF	nd	0.496	—	—
1,2,3,7,8-PECDF	nd	0.496	—	—
2,3,4,7,8-PECDF	nd	0.496	—	—
1,2,3,4,7,8-HXCDF	nd	0.541	—	—
1,2,3,6,7,8-HXCDF	nd	0.541	—	—
1,2,3,7,8,9-HXCDF	nd	0.541	—	—
2,3,4,6,7,8-HXCDF	nd	0.541	—	—
1,2,3,4,6,7,8-HPCDF	0.819	0.602	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.602	—	—
OCDF	0.904	0.496	—	—
AXYS Workgroup	WG40924	**Total Volume (mL)**	1900	
KC Sample ID	L55963-21	**Days**	23.99	
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.524	—	—
1,2,3,7,8-PECDD	nd	0.524	—	—
1,2,3,4,7,8-HXCDD	nd	0.524	—	—
1,2,3,6,7,8-HXCDD	0.658	0.524	—	—
1,2,3,7,8,9-HXCDD	0.977	0.524	1.8563	0.00
1,2,3,4,6,7,8-HPCDD	11.1	0.524	21.09	0.02
OCDD	65.9	0.62	125.21	0.14
2,3,7,8-TCDF	nd	0.524	—	—
1,2,3,7,8-PECDF	nd	0.524	—	—
2,3,4,7,8-PECDF	nd	0.524	—	—
1,2,3,4,7,8-HXCDF	nd	0.524	—	—
1,2,3,6,7,8-HXCDF	nd	0.524	—	—
1,2,3,7,8,9-HXCDF	nd	0.524	—	—
2,3,4,6,7,8-HXCDF	0.666	0.524	—	—
1,2,3,4,6,7,8-HPCDF	1.34	0.524	2.546	0.00
1,2,3,4,7,8,9-HPCDF	nd	0.524	—	—
OCDF	2.7	0.524	—	—

Table C-30. Dioxin/Furan Flux Calculations by Congener for Enumclaw (PSCAA-DF) Station

AXYS Workgroup	WG40924	**Total Volume (mL)**	2900	
KC Sample ID	L56076-17	**Days**	6.98	
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.893	0.704	—	—
1,2,3,7,8-PECDD	nd	0.874	—	—
1,2,3,4,7,8-HXCDD	nd	2.22	—	—
1,2,3,6,7,8-HXCDD	nd	2.22	—	—
1,2,3,7,8,9-HXCDD	nd	2.22	—	—
1,2,3,4,6,7,8-HPCDD	4.62	3.02	—	—
OCDD	18.4	2.13	—	—
2,3,7,8-TCDF	nd	0.496	—	—
1,2,3,7,8-PECDF	nd	0.717	—	—
2,3,4,7,8-PECDF	nd	0.717	—	—
1,2,3,4,7,8-HXCDF	nd	2.08	—	—
1,2,3,6,7,8-HXCDF	nd	2.08	—	—
1,2,3,7,8,9-HXCDF	nd	2.08	—	—
2,3,4,6,7,8-HXCDF	nd	2.08	—	—
1,2,3,4,6,7,8-HPCDF	nd	2.13	—	—
1,2,3,4,7,8,9-HPCDF	nd	2.13	—	—
OCDF	nd	0.815	—	—
AXYS Workgroup	WG41911	**Total Volume (mL)**	600	
KC Sample ID	L56171-17	**Days**	21.06	
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	1.49	—	—
1,2,3,7,8-PECDD	2.09	1.49	—	—
1,2,3,4,7,8-HXCDD	2.29	1.49	1.374	0.00
1,2,3,6,7,8-HXCDD	4.84	1.49	—	—
1,2,3,7,8,9-HXCDD	3.95	1.49	2.37	0.00
1,2,3,4,6,7,8-HPCDD	45	1.49	27	0.01
OCDD	229	1.49	137.4	0.04
2,3,7,8-TCDF	nd	1.49	—	—
1,2,3,7,8-PECDF	nd	1.49	—	—
2,3,4,7,8-PECDF	nd	1.49	—	—
1,2,3,4,7,8-HXCDF	1.83	1.49	—	—
1,2,3,6,7,8-HXCDF	1.8	1.49	1.08	0.00
1,2,3,7,8,9-HXCDF	nd	1.49	—	—
2,3,4,6,7,8-HXCDF	nd	1.49	—	—
1,2,3,4,6,7,8-HPCDF	8.75	1.49	5.25	0.00
1,2,3,4,7,8,9-HPCDF	nd	1.49	—	—
OCDF	11.9	1.49	7.14	0.00

Table C-30. Dioxin/Furan Flux Calculations by Congener for Enumclaw (PSCAA-DF) Station

AXYS Workgroup	WG41911	**Total Volume (mL)**	500	
KC Sample ID	L56292-19	**Days**	10.49	
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	1.8	—	—
1,2,3,7,8-PECDD	nd	1.8	—	—
1,2,3,4,7,8-HXCDD	nd	1.8	—	—
1,2,3,6,7,8-HXCDD	nd	1.8	—	—
1,2,3,7,8,9-HXCDD	2.72	1.8	1.36	0.00
1,2,3,4,6,7,8-HPCDD	26.6	1.8	13.3	0.01
OCDD	178	1.8	89	0.05
2,3,7,8-TCDF	nd	1.8	—	—
1,2,3,7,8-PECDF	nd	1.8	—	—
2,3,4,7,8-PECDF	nd	1.8	—	—
1,2,3,4,7,8-HXCDF	nd	1.8	—	—
1,2,3,6,7,8-HXCDF	nd	1.8	—	—
1,2,3,7,8,9-HXCDF	nd	1.8	—	—
2,3,4,6,7,8-HXCDF	nd	1.8	—	—
1,2,3,4,6,7,8-HPCDF	4.9	1.8	2.45	0.00
1,2,3,4,7,8,9-HPCDF	nd	1.8	—	—
OCDF	7.55	1.8	3.775	0.00

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

nd: nondetect; —: not applicable

Table C-31. Dioxin/Furan Mass Calculations by Congener for Equipment Blank

AXYS Workgroup	WG38263	**Total Volume (mL)**	3000	
KC Sample ID	L54175-3	**Days**	—	
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.466	—	—
1,2,3,7,8-PECDD	nd	0.466	—	—
1,2,3,4,7,8-HXCDD	nd	0.925	—	—
1,2,3,6,7,8-HXCDD	0.932	0.925	—	—
1,2,3,7,8,9-HXCDD	nd	0.925	—	—
1,2,3,4,6,7,8-HPCDD	1.88	1.02	—	—
OCDD	6.8	0.466	—	—
2,3,7,8-TCDF	nd	0.466	—	—
1,2,3,7,8-PECDF	nd	0.466	—	—
2,3,4,7,8-PECDF	nd	0.466	—	—
1,2,3,4,7,8-HXCDF	nd	0.628	—	—
1,2,3,6,7,8-HXCDF	nd	0.628	—	—
1,2,3,7,8,9-HXCDF	nd	0.628	—	—
2,3,4,6,7,8-HXCDF	nd	0.628	—	—
1,2,3,4,6,7,8-HPCDF	nd	0.664	—	—
1,2,3,4,7,8,9-HPCDF	nd	0.664	—	—
OCDF	1.35	1.02	4.05	—

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

nd: nondetect; —: not applicable

Table C-32. Dioxin/Furan Flux Calculations by Congener for Spike Blanks

AXYS Workgroup	WG38263	**Total Volume (mL)**	3000	
KC Sample ID	L54175-2	**Days**	28.21	
Collection Date	10/19/2011	**Funnel Area (m^2)**	n/a	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	68.2	0.478	204.6	—
1,2,3,7,8-PECDD	403	0.496	1209	—
1,2,3,4,7,8-HXCDD	448	0.659	1344	—
1,2,3,6,7,8-HXCDD	442	0.659	1326	—
1,2,3,7,8,9-HXCDD	454	0.659	1362	—
1,2,3,4,6,7,8-HPCDD	392	0.591	1176	—
OCDD	826	1.31	2478	—
2,3,7,8-TCDF (225)[b]	76.3	1.26	228.9	—
1,2,3,7,8-PECDF	339	0.73	1017	—
2,3,4,7,8-PECDF	351	0.73	1053	—
1,2,3,4,7,8-HXCDF	380	1.28	1140	—
1,2,3,6,7,8-HXCDF	364	1.28	1092	—
1,2,3,7,8,9-HXCDF	439	1.28	1317	—
2,3,4,6,7,8-HXCDF	424	1.28	1272	—
1,2,3,4,6,7,8-HPCDF	405	1.1	1215	—
1,2,3,4,7,8,9-HPCDF	393	1.1	1179	—
OCDF	870	0.889	2610	—
AXYS Workgroup	WG41164	**Total Volume (mL)**	3400	
KC Sample ID	L55530-7	**Days**	12.84	
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366	
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	59.4	0.517	201.96	0.43
1,2,3,7,8-PECDD	308	1.39	1047.2	2.23
1,2,3,4,7,8-HXCDD	283	1.25	962.2	2.05
1,2,3,6,7,8-HXCDD	288	1.25	979.2	2.08
1,2,3,7,8,9-HXCDD	266	1.25	904.4	1.92
1,2,3,4,6,7,8-HPCDD	203	2.46	690.2	1.47
OCDD	451	1.47	1533.4	3.26
2,3,7,8-TCDF (225)[b]	67.2	0.598	228.48	0.49
1,2,3,7,8-PECDF	282	1.45	958.8	2.04
2,3,4,7,8-PECDF	300	1.45	1020	2.17
1,2,3,4,7,8-HXCDF	255	2.29	867	1.84
1,2,3,6,7,8-HXCDF	246	2.29	836.4	1.78
1,2,3,7,8,9-HXCDF	252	2.29	856.8	1.82
2,3,4,6,7,8-HXCDF	264	2.29	897.6	1.91
1,2,3,4,6,7,8-HPCDF	224	2.06	761.6	1.62
1,2,3,4,7,8,9-HPCDF	199	2.06	676.6	1.44
OCDF	414	0.484	1407.6	3.00

[a] Nondetects were not included in calculation of Total Dioxins/Furans. When Total Mass is not calculated, the sample value was U-flagged. See Appendix B2 for U-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

nd: nondetect; —: not applicable

Table C-33. Dioxin/Furan TEQ Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG38263	**Total Volume (mL)**	3050			
KC Sample ID	L54175-1	**Days**	8.12			
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.741	0.489	2.26005	1.69E-03	1	1.69E-03
1,2,3,7,8-PECDD	0.838	0.489	2.5559	1.92E-03	1	1.92E-03
1,2,3,4,7,8-HXCDD	0.718	0.489	2.1899	1.64E-03	0.1	1.64E-04
1,2,3,6,7,8-HXCDD	1.02	0.489	3.111	2.33E-03	0.1	2.33E-04
1,2,3,7,8,9-HXCDD	1.22	0.489	3.721	2.79E-03	0.1	2.79E-04
1,2,3,4,6,7,8-HPCDD	12.2	0.489	37.21	2.79E-02	0.01	2.79E-04
OCDD	119	0.489	362.95	2.72E-01	0.0003	8.16E-05
2,3,7,8-TCDF	nd	0.489	1.49145	1.12E-03	0.1	1.12E-04
1,2,3,7,8-PECDF	nd	0.489	1.49145	1.12E-03	0.03	3.36E-05
2,3,4,7,8-PECDF	0.52	0.489	1.586	1.19E-03	0.3	3.57E-04
1,2,3,4,7,8-HXCDF	0.704	0.489	2.1472	1.61E-03	0.1	1.61E-04
1,2,3,6,7,8-HXCDF	0.623	0.489	1.90015	1.42E-03	0.1	1.42E-04
1,2,3,7,8,9-HXCDF	0.674	0.489	2.0557	1.54E-03	0.1	1.54E-04
2,3,4,6,7,8-HXCDF	0.554	0.489	1.6897	1.27E-03	0.1	1.27E-04
1,2,3,4,6,7,8-HPCDF	3.86	0.489	11.773	8.83E-03	0.01	8.83E-05
1,2,3,4,7,8,9-HPCDF	1.65	0.489	5.0325	3.77E-03	0.01	3.77E-05
OCDF	9.99	0.489	30.4695	2.28E-02	0.0003	6.85E-06
AXYS Workgroup	WG38263	**Total Volume (mL)**	2000			
KC Sample ID	L54294-1	**Days**	20.03			
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.493	0.986	1.34E-03	1	1.34E-03
1,2,3,7,8-PECDD	nd	0.493	0.986	1.34E-03	1	1.34E-03
1,2,3,4,7,8-HXCDD	nd	0.493	0.986	1.34E-03	0.1	1.34E-04
1,2,3,6,7,8-HXCDD	0.68	0.493	1.36	1.86E-03	0.1	1.86E-04
1,2,3,7,8,9-HXCDD	1.1	0.493	2.2	3.00E-03	0.1	3.00E-04
1,2,3,4,6,7,8-HPCDD	10.4	0.493	20.8	2.84E-02	0.01	2.84E-04
OCDD	68.6	0.493	137.2	1.87E-01	0.0003	5.61E-05
2,3,7,8-TCDF	nd	0.493	0.986	1.34E-03	0.1	1.34E-04
1,2,3,7,8-PECDF	nd	0.493	0.986	1.34E-03	0.03	4.03E-05
2,3,4,7,8-PECDF	nd	0.493	0.986	1.34E-03	0.3	4.03E-04
1,2,3,4,7,8-HXCDF	nd	0.493	0.986	1.34E-03	0.1	1.34E-04
1,2,3,6,7,8-HXCDF	nd	0.493	0.986	1.34E-03	0.1	1.34E-04
1,2,3,7,8,9-HXCDF	nd	0.493	0.986	1.34E-03	0.1	1.34E-04
2,3,4,6,7,8-HXCDF	nd	0.493	0.986	1.34E-03	0.1	1.34E-04
1,2,3,4,6,7,8-HPCDF	2.77	0.493	5.54	7.56E-03	0.01	7.56E-05
1,2,3,4,7,8,9-HPCDF	nd	0.493	0.986	1.34E-03	0.01	1.34E-05
OCDF	6.18	0.493	12.36	1.69E-02	0.0003	5.06E-06

Table C-33. Dioxin/Furan TEQ Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG39373	**Total Volume (mL)**	1300			
KC Sample ID	L54542-1	**Days**	13.99			
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.577	0.496	0.7501	1.46E-03	1	1.46E-03
1,2,3,7,8-PECDD	nd	0.496	0.6448	1.26E-03	1	1.26E-03
1,2,3,4,7,8-HXCDD	0.632	0.496	0.8216	1.60E-03	0.1	1.60E-04
1,2,3,6,7,8-HXCDD	1.29	0.496	1.677	3.28E-03	0.1	3.28E-04
1,2,3,7,8,9-HXCDD	0.513	0.496	0.6669	1.30E-03	0.1	1.30E-04
1,2,3,4,6,7,8-HPCDD	18.1	0.496	23.53	4.60E-02	0.01	4.60E-04
OCDD	218	1.32	283.4	5.53E-01	0.0003	1.66E-04
2,3,7,8-TCDF	nd	0.496	0.6448	1.26E-03	0.1	1.26E-04
1,2,3,7,8-PECDF	nd	0.496	0.6448	1.26E-03	0.03	3.78E-05
2,3,4,7,8-PECDF	nd	0.496	0.6448	1.26E-03	0.3	3.78E-04
1,2,3,4,7,8-HXCDF	nd	0.496	0.6448	1.26E-03	0.1	1.26E-04
1,2,3,6,7,8-HXCDF	nd	0.496	0.6448	1.26E-03	0.1	1.26E-04
1,2,3,7,8,9-HXCDF	nd	0.496	0.6448	1.26E-03	0.1	1.26E-04
2,3,4,6,7,8-HXCDF	nd	0.496	0.6448	1.26E-03	0.1	1.26E-04
1,2,3,4,6,7,8-HPCDF	7.72	0.496	10.036	1.96E-02	0.01	1.96E-04
1,2,3,4,7,8,9-HPCDF	0.765	0.496	0.9945	1.94E-03	0.01	1.94E-05
OCDF	34	0.51	44.2	8.63E-02	0.0003	2.59E-05
AXYS Workgroup	WG39373	**Total Volume (mL)**	2400			
KC Sample ID	L54845-1	**Days**	13.95			
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.496	1.1904	2.33E-03	1	2.33E-03
1,2,3,7,8-PECDD	nd	0.496	1.1904	2.33E-03	1	2.33E-03
1,2,3,4,7,8-HXCDD	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,6,7,8-HXCDD	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,7,8,9-HXCDD	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,4,6,7,8-HPCDD	4.89	0.496	11.736	2.30E-02	0.01	2.30E-04
OCDD	34	0.743	81.6	1.60E-01	0.0003	4.79E-05
2,3,7,8-TCDF	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,7,8-PECDF	nd	0.496	1.1904	2.33E-03	0.03	6.99E-05
2,3,4,7,8-PECDF	nd	0.496	1.1904	2.33E-03	0.3	6.99E-04
1,2,3,4,7,8-HXCDF	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,6,7,8-HXCDF	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,7,8,9-HXCDF	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
2,3,4,6,7,8-HXCDF	nd	0.496	1.1904	2.33E-03	0.1	2.33E-04
1,2,3,4,6,7,8-HPCDF	1.42	0.496	3.408	6.67E-03	0.01	6.67E-05
1,2,3,4,7,8,9-HPCDF	nd	0.496	1.1904	2.33E-03	0.01	2.33E-05
OCDF	3.82	0.496	9.168	1.80E-02	0.0003	5.39E-06

Table C-33. Dioxin/Furan TEQ Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG40924	**Total Volume (mL)**	2950			
KC Sample ID	L55316-1	**Days**	14.10			
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.28	0.488	3.776	7.32E-03	1	7.32E-03
1,2,3,7,8-PECDD	0.509	0.488	1.50155	2.91E-03	1	2.91E-03
1,2,3,4,7,8-HXCDD	nd	0.488	1.4396	2.79E-03	0.1	2.79E-04
1,2,3,6,7,8-HXCDD	0.551	0.488	1.62545	3.15E-03	0.1	3.15E-04
1,2,3,7,8,9-HXCDD	0.828	0.488	2.4426	4.73E-03	0.1	4.73E-04
1,2,3,4,6,7,8-HPCDD	10.6	0.488	31.27	6.06E-02	0.01	6.06E-04
OCDD	62.3	0.488	183.785	3.56E-01	0.0003	1.07E-04
2,3,7,8-TCDF	nd	0.488	1.4396	2.79E-03	0.1	2.79E-04
1,2,3,7,8-PECDF	nd	0.488	1.4396	2.79E-03	0.03	8.37E-05
2,3,4,7,8-PECDF	nd	0.488	1.4396	2.79E-03	0.3	8.37E-04
1,2,3,4,7,8-HXCDF	nd	0.488	1.4396	2.79E-03	0.1	2.79E-04
1,2,3,6,7,8-HXCDF	nd	0.488	1.4396	2.79E-03	0.1	2.79E-04
1,2,3,7,8,9-HXCDF	nd	0.488	1.4396	2.79E-03	0.1	2.79E-04
2,3,4,6,7,8-HXCDF	nd	0.488	1.4396	2.79E-03	0.1	2.79E-04
1,2,3,4,6,7,8-HPCDF	2.06	0.488	6.077	1.18E-02	0.01	1.18E-04
1,2,3,4,7,8,9-HPCDF	nd	0.488	1.4396	2.79E-03	0.01	2.79E-05
OCDF	5.56	0.488	16.402	3.18E-02	0.0003	9.53E-06
AXYS Workgroup	WG40924	**Total Volume (mL)**	2000			
KC Sample ID	L55530-1	**Days**	13.21			
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.07	0.552	2.14	4.43E-03	1	4.43E-03
1,2,3,7,8-PECDD	nd	0.552	1.104	2.28E-03	1	2.28E-03
1,2,3,4,7,8-HXCDD	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,6,7,8-HXCDD	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,7,8,9-HXCDD	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,4,6,7,8-HPCDD	6.44	0.552	12.88	2.66E-02	0.01	2.66E-04
OCDD	29	0.552	58	1.20E-01	0.0003	3.60E-05
2,3,7,8-TCDF	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,7,8-PECDF	nd	0.552	1.104	2.28E-03	0.03	6.85E-05
2,3,4,7,8-PECDF	nd	0.552	1.104	2.28E-03	0.3	6.85E-04
1,2,3,4,7,8-HXCDF	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,6,7,8-HXCDF	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,7,8,9-HXCDF	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
2,3,4,6,7,8-HXCDF	nd	0.552	1.104	2.28E-03	0.1	2.28E-04
1,2,3,4,6,7,8-HPCDF	1.02	0.552	2.04	4.22E-03	0.01	4.22E-05
1,2,3,4,7,8,9-HPCDF	nd	0.552	1.104	2.28E-03	0.01	2.28E-05
OCDF	2.03	0.552	4.06	8.40E-03	0.0003	2.52E-06

Table C-33. Dioxin/Furan TEQ Flux Calculations by Congener for Beacon Hill Station (BWR)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400
KC Sample ID	L56386-9	**Days**	27.13
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642

Compound	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass Flux (ng/m^2-day)[a]	TEF[c]	TEQ Flux (ng/m^2-day)[a]
2,3,7,8-TCDD	4.18	2.62	1.672	3.75E-04	1	3.75E-04
1,2,3,7,8-PECDD	8.01	3.46	3.204	7.19E-04	1	7.19E-04
1,2,3,4,7,8-HXCDD	11.9	2.62	4.76	1.07E-03	0.1	1.07E-04
1,2,3,6,7,8-HXCDD	25	2.62	10	2.25E-03	0.1	2.25E-04
1,2,3,7,8,9-HXCDD	26.4	2.62	10.56	2.37E-03	0.1	2.37E-04
1,2,3,4,6,7,8-HPCDD	480	4.26	192	4.31E-02	0.01	4.31E-04
OCDD	3650	6.13	1460	3.28E-01	0.0003	9.83E-05
2,3,7,8-TCDF (225)[b]	4.39	3.79	1.756	3.94E-04	0.1	3.94E-05
1,2,3,7,8-PECDF	5.38	2.62	2.152	4.83E-04	0.03	1.45E-05
2,3,4,7,8-PECDF	5.75	2.62	2.3	5.16E-04	0.3	1.55E-04
1,2,3,4,7,8-HXCDF	10.7	2.62	4.28	9.61E-04	0.1	9.61E-05
1,2,3,6,7,8-HXCDF	8.12	2.62	3.248	7.29E-04	0.1	7.29E-05
1,2,3,7,8,9-HXCDF	nd	2.62	1.048	2.35E-04	0.1	2.35E-05
2,3,4,6,7,8-HXCDF	6.56	2.62	2.624	5.89E-04	0.1	5.89E-05
1,2,3,4,6,7,8-HPCDF	112	2.62	44.8	1.01E-02	0.01	1.01E-04
1,2,3,4,7,8,9-HPCDF	9.39	2.62	3.756	8.43E-04	0.01	8.43E-06
OCDF	234	2.62	93.6	2.10E-02	0.0003	6.30E-06

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable

Table C-34. Dioxin/Furan TEQ Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG37749	**Total Volume (mL)**	550			
KC Sample ID	L53760-5	**Days**	28.88			
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	7.85	2.2	4.3175	9.11E-04	1	9.11E-04
1,2,3,7,8-PECDD	2.5	2.25	1.375	2.90E-04	1	2.90E-04
1,2,3,4,7,8-HXCDD	nd	4.26	2.343	4.94E-04	0.1	4.94E-05
1,2,3,6,7,8-HXCDD	6	4.26	3.3	6.96E-04	0.1	6.96E-05
1,2,3,7,8,9-HXCDD	9.41	4.26	5.1755	1.09E-03	0.1	1.09E-04
1,2,3,4,6,7,8-HPCDD	119	1.9	65.45	1.38E-02	0.01	1.38E-04
OCDD	791	3.2	435.05	9.18E-02	0.0003	2.75E-05
2,3,7,8-TCDF (225)[b]	1.95	1.9	1.0725	2.26E-04	0.1	2.26E-05
1,2,3,7,8-PECDF	nd	2.06	1.133	2.39E-04	0.03	7.17E-06
2,3,4,7,8-PECDF	2.51	2.06	1.3805	2.91E-04	0.3	8.73E-05
1,2,3,4,7,8-HXCDF	2.96	1.9	1.628	3.43E-04	0.1	3.43E-05
1,2,3,6,7,8-HXCDF	nd	1.9	1.045	2.20E-04	0.1	2.20E-05
1,2,3,7,8,9-HXCDF	nd	1.9	1.045	2.20E-04	0.1	2.20E-05
2,3,4,6,7,8-HXCDF	2.91	1.9	1.6005	3.38E-04	0.1	3.38E-05
1,2,3,4,6,7,8-HPCDF	30.9	1.9	16.995	3.58E-03	0.01	3.58E-05
1,2,3,4,7,8,9-HPCDF	4.15	1.9	2.2825	4.81E-04	0.01	4.81E-06
OCDF	64.4	1.9	35.42	7.47E-03	0.0003	2.24E-06
AXYS Workgroup	WG39373	**Total Volume (mL)**	1450			
KC Sample ID	L54719-4	**Days**	28.92			
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.495	0.71775	6.78E-04	1	6.78E-04
1,2,3,7,8-PECDD	1.31	0.495	1.8995	1.79E-03	1	1.79E-03
1,2,3,4,7,8-HXCDD	2.21	0.495	3.2045	3.03E-03	0.1	3.03E-04
1,2,3,6,7,8-HXCDD	3.35	0.495	4.8575	4.59E-03	0.1	4.59E-04
1,2,3,7,8,9-HXCDD	2.93	0.495	4.2485	4.01E-03	0.1	4.01E-04
1,2,3,4,6,7,8-HPCDD	38.6	0.753	55.97	5.29E-02	0.01	5.29E-04
OCDD	271	0.552	392.95	3.71E-01	0.0003	1.11E-04
2,3,7,8-TCDF (225)[b]	1.01	0.495	1.4645	1.38E-03	0.1	1.38E-04
1,2,3,7,8-PECDF	0.691	0.541	1.00195	9.47E-04	0.03	2.84E-05
2,3,4,7,8-PECDF	0.943	0.541	1.36735	1.29E-03	0.3	3.88E-04
1,2,3,4,7,8-HXCDF	1.06	0.692	1.537	1.45E-03	0.1	1.45E-04
1,2,3,6,7,8-HXCDF	0.884	0.692	1.2818	1.21E-03	0.1	1.21E-04
1,2,3,7,8,9-HXCDF	nd	0.692	1.0034	9.48E-04	0.1	9.48E-05
2,3,4,6,7,8-HXCDF	1.09	0.692	1.5805	1.49E-03	0.1	1.49E-04
1,2,3,4,6,7,8-HPCDF	7.85	0.495	11.3825	1.08E-02	0.01	1.08E-04
1,2,3,4,7,8,9-HPCDF	1.26	0.495	1.827	1.73E-03	0.01	1.73E-05
OCDF	15.1	0.495	21.895	2.07E-02	0.0003	6.21E-06

Table C-34. Dioxin/Furan TEQ Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG39373	**Total Volume (mL)**	2600			
KC Sample ID	L54845-5	**Days**	14.00			
Collection Date	1/11/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.825	0.489	2.145	4.19E-03	1	4.19E-03
1,2,3,7,8-PECDD	nd	0.489	1.2714	2.48E-03	1	2.48E-03
1,2,3,4,7,8-HXCDD	nd	0.499	1.2974	2.53E-03	0.1	2.53E-04
1,2,3,6,7,8-HXCDD	0.582	0.499	1.5132	2.95E-03	0.1	2.95E-04
1,2,3,7,8,9-HXCDD	0.691	0.499	1.7966	3.51E-03	0.1	3.51E-04
1,2,3,4,6,7,8-HPCDD	6.53	0.489	16.978	3.31E-02	0.01	3.31E-04
OCDD	45.4	0.489	118.04	2.30E-01	0.0003	6.91E-05
2,3,7,8-TCDF	nd	0.489	1.2714	2.48E-03	0.1	2.48E-04
1,2,3,7,8-PECDF	nd	0.489	1.2714	2.48E-03	0.03	7.45E-05
2,3,4,7,8-PECDF	nd	0.489	1.2714	2.48E-03	0.3	7.45E-04
1,2,3,4,7,8-HXCDF	nd	0.489	1.2714	2.48E-03	0.1	2.48E-04
1,2,3,6,7,8-HXCDF	nd	0.489	1.2714	2.48E-03	0.1	2.48E-04
1,2,3,7,8,9-HXCDF	nd	0.489	1.2714	2.48E-03	0.1	2.48E-04
2,3,4,6,7,8-HXCDF	0.593	0.489	1.5418	3.01E-03	0.1	3.01E-04
1,2,3,4,6,7,8-HPCDF	1.38	0.489	3.588	7.00E-03	0.01	7.00E-05
1,2,3,4,7,8,9-HPCDF	nd	0.489	1.2714	2.48E-03	0.01	2.48E-05
OCDF	3.1	0.671	8.06	1.57E-02	0.0003	4.72E-06
AXYS Workgroup	WG40924	**Total Volume (mL)**	1900			
KC Sample ID	L55530-5	**Days**	12.84			
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.709	0.53	1.3471	2.87E-03	1	2.87E-03
1,2,3,7,8-PECDD	nd	0.53	1.007	2.14E-03	1	2.14E-03
1,2,3,4,7,8-HXCDD	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
1,2,3,6,7,8-HXCDD	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
1,2,3,7,8,9-HXCDD	0.6	0.53	1.14	2.43E-03	0.1	2.43E-04
1,2,3,4,6,7,8-HPCDD	7.95	0.582	15.105	3.21E-02	0.01	3.21E-04
OCDD	36.7	0.53	69.73	1.48E-01	0.0003	4.45E-05
2,3,7,8-TCDF	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
1,2,3,7,8-PECDF	nd	0.53	1.007	2.14E-03	0.03	6.43E-05
2,3,4,7,8-PECDF	nd	0.53	1.007	2.14E-03	0.3	6.43E-04
1,2,3,4,7,8-HXCDF	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
1,2,3,6,7,8-HXCDF	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
1,2,3,7,8,9-HXCDF	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
2,3,4,6,7,8-HXCDF	nd	0.53	1.007	2.14E-03	0.1	2.14E-04
1,2,3,4,6,7,8-HPCDF	1.36	0.548	2.584	5.50E-03	0.01	5.50E-05
1,2,3,4,7,8,9-HPCDF	nd	0.548	1.0412	2.22E-03	0.01	2.22E-05
OCDF	2.03	0.53	3.857	8.21E-03	0.0003	2.46E-06

Table C-34. Dioxin/Furan TEQ Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG40924	**Total Volume (mL)**	1850			
KC Sample ID	L55530-6	**Days**	12.84	**Replicate of L55530-5**		
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.988	0.581	1.8278	3.89E-03	1	3.89E-03
1,2,3,7,8-PECDD	nd	0.581	1.07485	2.29E-03	1	2.29E-03
1,2,3,4,7,8-HXCDD	nd	0.581	1.07485	2.29E-03	0.1	2.29E-04
1,2,3,6,7,8-HXCDD	nd	0.581	1.07485	2.29E-03	0.1	2.29E-04
1,2,3,7,8,9-HXCDD	0.71	0.581	1.3135	2.79E-03	0.1	2.79E-04
1,2,3,4,6,7,8-HPCDD	7.45	0.581	13.7825	2.93E-02	0.01	2.93E-04
OCDD	39.6	0.581	73.26	1.56E-01	0.0003	4.68E-05
2,3,7,8-TCDF (225)[b]	nd	0.753	1.39305	2.96E-03	0.1	2.96E-04
1,2,3,7,8-PECDF	nd	0.581	1.07485	2.29E-03	0.03	6.86E-05
2,3,4,7,8-PECDF	nd	0.581	1.07485	2.29E-03	0.3	6.86E-04
1,2,3,4,7,8-HXCDF	nd	0.581	1.07485	2.29E-03	0.1	2.29E-04
1,2,3,6,7,8-HXCDF	nd	0.581	1.07485	2.29E-03	0.1	2.29E-04
1,2,3,7,8,9-HXCDF	nd	0.581	1.07485	2.29E-03	0.1	2.29E-04
2,3,4,6,7,8-HXCDF	nd	0.581	1.07485	2.29E-03	0.1	2.29E-04
1,2,3,4,6,7,8-HPCDF	1.58	0.581	2.923	6.22E-03	0.01	6.22E-05
1,2,3,4,7,8,9-HPCDF	nd	0.581	1.07485	2.29E-03	0.01	2.29E-05
OCDF	1.61	0.581	2.9785	6.34E-03	0.0003	1.90E-06
AXYS Workgroup	WG40924	**Total Volume (mL)**	3300			
KC Sample ID	L56076-1	**Days**	7.01			
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.498	1.6434	1.43E-03	1	1.43E-03
1,2,3,7,8-PECDD	nd	0.498	1.6434	1.43E-03	1	1.43E-03
1,2,3,4,7,8-HXCDD	0.533	0.498	1.7589	1.53E-03	0.1	1.53E-04
1,2,3,6,7,8-HXCDD	0.803	0.498	2.6499	2.30E-03	0.1	2.30E-04
1,2,3,7,8,9-HXCDD	0.79	0.498	2.607	2.26E-03	0.1	2.26E-04
1,2,3,4,6,7,8-HPCDD	9.92	0.498	32.736	2.84E-02	0.01	2.84E-04
OCDD	66.3	0.498	218.79	1.90E-01	0.0003	5.70E-05
2,3,7,8-TCDF	nd	0.498	1.6434	1.43E-03	0.1	1.43E-04
1,2,3,7,8-PECDF	nd	0.498	1.6434	1.43E-03	0.03	4.28E-05
2,3,4,7,8-PECDF	nd	0.498	1.6434	1.43E-03	0.3	4.28E-04
1,2,3,4,7,8-HXCDF	nd	0.498	1.6434	1.43E-03	0.1	1.43E-04
1,2,3,6,7,8-HXCDF	nd	0.498	1.6434	1.43E-03	0.1	1.43E-04
1,2,3,7,8,9-HXCDF	nd	0.498	1.6434	1.43E-03	0.1	1.43E-04
2,3,4,6,7,8-HXCDF	nd	0.498	1.6434	1.43E-03	0.1	1.43E-04
1,2,3,4,6,7,8-HPCDF	2.46	0.498	8.118	7.05E-03	0.01	7.05E-05
1,2,3,4,7,8,9-HPCDF	nd	0.498	1.6434	1.43E-03	0.01	1.43E-05
OCDF	3.34	0.498	11.022	9.57E-03	0.0003	2.87E-06

Table C-34. Dioxin/Furan TEQ Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56171-1	**Days**	21.02			
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.64	2.73	1.456	4.22E-04	1	4.22E-04
1,2,3,7,8-PECDD	7.84	2.73	3.136	9.08E-04	1	9.08E-04
1,2,3,4,7,8-HXCDD	9.87	2.73	3.948	1.14E-03	0.1	1.14E-04
1,2,3,6,7,8-HXCDD	17.4	2.73	6.96	2.02E-03	0.1	2.02E-04
1,2,3,7,8,9-HXCDD	15.8	2.73	6.32	1.83E-03	0.1	1.83E-04
1,2,3,4,6,7,8-HPCDD	306	2.73	122.4	3.55E-02	0.01	3.55E-04
OCDD	2190	4.47	876	2.54E-01	0.0003	7.61E-05
2,3,7,8-TCDF (225)[b]	nd	3.61	1.444	4.18E-04	0.1	4.18E-05
1,2,3,7,8-PECDF	nd	2.73	1.092	3.16E-04	0.03	9.49E-06
2,3,4,7,8-PECDF	5.44	2.73	2.176	6.30E-04	0.3	1.89E-04
1,2,3,4,7,8-HXCDF	6.02	2.73	2.408	6.98E-04	0.1	6.98E-05
1,2,3,6,7,8-HXCDF	7.23	2.73	2.892	8.38E-04	0.1	8.38E-05
1,2,3,7,8,9-HXCDF	nd	2.73	1.092	3.16E-04	0.1	3.16E-05
2,3,4,6,7,8-HXCDF	5.94	2.73	2.376	6.88E-04	0.1	6.88E-05
1,2,3,4,6,7,8-HPCDF	89.2	2.73	35.68	1.03E-02	0.01	1.03E-04
1,2,3,4,7,8,9-HPCDF	5.39	2.73	2.156	6.25E-04	0.01	6.25E-06
OCDF	95.8	2.73	38.32	1.11E-02	0.0003	3.33E-06
AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56292-1	**Days**	21.20			
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.08	2.82	1.232	3.54E-04	1	3.54E-04
1,2,3,7,8-PECDD	7.9	2.82	3.16	9.08E-04	1	9.08E-04
1,2,3,4,7,8-HXCDD	8.39	2.82	3.356	9.64E-04	0.1	9.64E-05
1,2,3,6,7,8-HXCDD	15.7	2.82	6.28	1.80E-03	0.1	1.80E-04
1,2,3,7,8,9-HXCDD	17.9	2.82	7.16	2.06E-03	0.1	2.06E-04
1,2,3,4,6,7,8-HPCDD	252	2.82	100.8	2.90E-02	0.01	2.90E-04
OCDD	2380	2.82	952	2.73E-01	0.0003	8.20E-05
2,3,7,8-TCDF (225)[b]	3.06	2.82	1.224	3.52E-04	0.1	3.52E-05
1,2,3,7,8-PECDF	3.15	2.82	1.26	3.62E-04	0.03	1.09E-05
2,3,4,7,8-PECDF	5.25	2.82	2.1	6.03E-04	0.3	1.81E-04
1,2,3,4,7,8-HXCDF	5.05	2.82	2.02	5.80E-04	0.1	5.80E-05
1,2,3,6,7,8-HXCDF	5.4	2.82	2.16	6.20E-04	0.1	6.20E-05
1,2,3,7,8,9-HXCDF	nd	2.82	1.128	3.24E-04	0.1	3.24E-05
2,3,4,6,7,8-HXCDF	4.84	2.82	1.936	5.56E-04	0.1	5.56E-05
1,2,3,4,6,7,8-HPCDF	59.8	2.82	23.92	6.87E-03	0.01	6.87E-05
1,2,3,4,7,8,9-HPCDF	5.68	2.82	2.272	6.53E-04	0.01	6.53E-06
OCDF	90.3	2.82	36.12	1.04E-02	0.0003	3.11E-06

Table C-34. Dioxin/Furan TEQ Flux Calculations by Congener for Duwamish Station (CER)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56386-1	**Days**	27.15			
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.31	2.79	1.724	3.87E-04	1	3.87E-04
1,2,3,7,8-PECDD	8.36	2.79	3.344	7.50E-04	1	7.50E-04
1,2,3,4,7,8-HXCDD	11.3	2.79	4.52	1.01E-03	0.1	1.01E-04
1,2,3,6,7,8-HXCDD	21.8	2.79	8.72	1.96E-03	0.1	1.96E-04
1,2,3,7,8,9-HXCDD	24.7	2.79	9.88	2.22E-03	0.1	2.22E-04
1,2,3,4,6,7,8-HPCDD	376	2.79	150.4	3.37E-02	0.01	3.37E-04
OCDD	3480	2.88	1392	3.12E-01	0.0003	9.37E-05
2,3,7,8-TCDF (225)[b]	10.7	4.27	4.28	9.60E-04	0.1	9.60E-05
1,2,3,7,8-PECDF	3.67	2.79	1.468	3.29E-04	0.03	9.88E-06
2,3,4,7,8-PECDF	11	2.79	4.4	9.87E-04	0.3	2.96E-04
1,2,3,4,7,8-HXCDF	10.8	2.79	4.32	9.69E-04	0.1	9.69E-05
1,2,3,6,7,8-HXCDF	8.75	2.79	3.5	7.85E-04	0.1	7.85E-05
1,2,3,7,8,9-HXCDF	nd	2.79	1.116	2.50E-04	0.1	2.50E-05
2,3,4,6,7,8-HXCDF	10	2.79	4	8.97E-04	0.1	8.97E-05
1,2,3,4,6,7,8-HPCDF	97.5	2.79	39	8.75E-03	0.01	8.75E-05
1,2,3,4,7,8,9-HPCDF	8.86	2.79	3.544	7.95E-04	0.01	7.95E-06
OCDF	165	2.79	66	1.48E-02	0.0003	4.44E-06

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable

Table C-35. Dioxin/Furan TEQ Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG37749	**Total Volume (mL)**	600			
KC Sample ID	L53760-12	**Days**	28.89			
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.75	1.79	2.25	4.74E-04	1	4.74E-04
1,2,3,7,8-PECDD	4.43	1.79	2.658	5.60E-04	1	5.60E-04
1,2,3,4,7,8-HXCDD	6.93	1.79	4.158	8.77E-04	0.1	8.77E-05
1,2,3,6,7,8-HXCDD	17.4	1.79	10.44	2.20E-03	0.1	2.20E-04
1,2,3,7,8,9-HXCDD	20.1	1.79	12.06	2.54E-03	0.1	2.54E-04
1,2,3,4,6,7,8-HPCDD	277	1.79	166.2	3.50E-02	0.01	3.50E-04
OCDD	2460	4.38	1476	3.11E-01	3E-04	9.34E-05
2,3,7,8-TCDF (225)[b]	nd	1.79	1.074	2.26E-04	0.1	2.26E-05
1,2,3,7,8-PECDF	2.95	2.11	1.77	3.73E-04	0.03	1.12E-05
2,3,4,7,8-PECDF	5.99	2.11	3.594	7.58E-04	0.3	2.27E-04
1,2,3,4,7,8-HXCDF	9.08	1.79	5.448	1.15E-03	0.1	1.15E-04
1,2,3,6,7,8-HXCDF	8.26	1.79	4.956	1.04E-03	0.1	1.04E-04
1,2,3,7,8,9-HXCDF	nd	1.79	1.074	2.26E-04	0.1	2.26E-05
2,3,4,6,7,8-HXCDF	7.04	1.79	4.224	8.91E-04	0.1	8.91E-05
1,2,3,4,6,7,8-HPCDF	93.2	1.79	55.92	1.18E-02	0.01	1.18E-04
1,2,3,4,7,8,9-HPCDF	6.64	1.79	3.984	8.40E-04	0.01	8.40E-06
OCDF	122	1.79	73.2	1.54E-02	3E-04	4.63E-06
AXYS Workgroup	WG38263	**Total Volume (mL)**	3800			
KC Sample ID	L54175-10	**Days**	8.02			
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.485	1.843	1.40E-03	1	1.40E-03
1,2,3,7,8-PECDD	nd	0.485	1.843	1.40E-03	1	1.40E-03
1,2,3,4,7,8-HXCDD	nd	0.485	1.843	1.40E-03	0.1	1.40E-04
1,2,3,6,7,8-HXCDD	0.537	0.485	2.0406	1.55E-03	0.1	1.55E-04
1,2,3,7,8,9-HXCDD	0.507	0.485	1.9266	1.46E-03	0.1	1.46E-04
1,2,3,4,6,7,8-HPCDD	9.42	0.485	35.796	2.72E-02	0.01	2.72E-04
OCDD	57.1	0.485	216.98	1.65E-01	3E-04	4.94E-05
2,3,7,8-TCDF	nd	0.485	1.843	1.40E-03	0.1	1.40E-04
1,2,3,7,8-PECDF	nd	0.485	1.843	1.40E-03	0.03	4.20E-05
2,3,4,7,8-PECDF	nd	0.485	1.843	1.40E-03	0.3	4.20E-04
1,2,3,4,7,8-HXCDF	nd	0.485	1.843	1.40E-03	0.1	1.40E-04
1,2,3,6,7,8-HXCDF	nd	0.485	1.843	1.40E-03	0.1	1.40E-04
1,2,3,7,8,9-HXCDF	nd	0.485	1.843	1.40E-03	0.1	1.40E-04
2,3,4,6,7,8-HXCDF	nd	0.485	1.843	1.40E-03	0.1	1.40E-04
1,2,3,4,6,7,8-HPCDF	2.41	0.485	9.158	6.96E-03	0.01	6.96E-05
1,2,3,4,7,8,9-HPCDF	nd	0.485	1.843	1.40E-03	0.01	1.40E-05
OCDF	4.41	0.485	16.758	1.27E-02	3E-04	3.82E-06

Table C-35. Dioxin/Furan TEQ Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG38263	**Total Volume (mL)**	1950			
KC Sample ID	L54294-8	**Days**	19.91			
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.487	0.94965	1.30E-03	1	1.30E-03
1,2,3,7,8-PECDD	nd	0.487	0.94965	1.30E-03	1	1.30E-03
1,2,3,4,7,8-HXCDD	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
1,2,3,6,7,8-HXCDD	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
1,2,3,7,8,9-HXCDD	1.08	0.487	2.106	2.89E-03	0.1	2.89E-04
1,2,3,4,6,7,8-HPCDD	15.9	0.487	31.005	4.26E-02	0.01	4.26E-04
OCDD	137	0.487	267.15	3.67E-01	3E-04	1.10E-04
2,3,7,8-TCDF	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
1,2,3,7,8-PECDF	nd	0.487	0.94965	1.30E-03	0.03	3.91E-05
2,3,4,7,8-PECDF	nd	0.487	0.94965	1.30E-03	0.3	3.91E-04
1,2,3,4,7,8-HXCDF	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
1,2,3,6,7,8-HXCDF	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
1,2,3,7,8,9-HXCDF	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
2,3,4,6,7,8-HXCDF	nd	0.487	0.94965	1.30E-03	0.1	1.30E-04
1,2,3,4,6,7,8-HPCDF	3.31	0.487	6.4545	8.86E-03	0.01	8.86E-05
1,2,3,4,7,8,9-HPCDF	nd	0.487	0.94965	1.30E-03	0.01	1.30E-05
OCDF	12	0.487	23.4	3.21E-02	3E-04	9.64E-06
AXYS Workgroup	WG39373	**Total Volume (mL)**	1500			
KC Sample ID	L54719-8	**Days**	28.93			
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.06	0.499	1.59	1.50E-03	1	1.50E-03
1,2,3,7,8-PECDD	1.03	0.499	1.545	1.46E-03	1	1.46E-03
1,2,3,4,7,8-HXCDD	1.65	0.531	2.475	2.34E-03	0.1	2.34E-04
1,2,3,6,7,8-HXCDD	2.66	0.531	3.99	3.77E-03	0.1	3.77E-04
1,2,3,7,8,9-HXCDD	1.96	0.531	2.94	2.78E-03	0.1	2.78E-04
1,2,3,4,6,7,8-HPCDD	26.6	0.499	39.9	3.77E-02	0.01	3.77E-04
OCDD	250	0.556	375	3.54E-01	3E-04	1.06E-04
2,3,7,8-TCDF (225)[b]	nd	0.641	0.9615	9.08E-04	0.1	9.08E-05
1,2,3,7,8-PECDF	0.57	0.499	0.855	8.07E-04	0.03	2.42E-05
2,3,4,7,8-PECDF	0.947	0.499	1.4205	1.34E-03	0.3	4.02E-04
1,2,3,4,7,8-HXCDF	0.902	0.751	1.353	1.28E-03	0.1	1.28E-04
1,2,3,6,7,8-HXCDF	nd	0.751	1.1265	1.06E-03	0.1	1.06E-04
1,2,3,7,8,9-HXCDF	nd	0.751	1.1265	1.06E-03	0.1	1.06E-04
2,3,4,6,7,8-HXCDF	1.09	0.751	1.635	1.54E-03	0.1	1.54E-04
1,2,3,4,6,7,8-HPCDF	7.63	0.499	11.445	1.08E-02	0.01	1.08E-04
1,2,3,4,7,8,9-HPCDF	nd	0.499	0.7485	7.07E-04	0.01	7.07E-06
OCDF	18.7	0.499	28.05	2.65E-02	3E-04	7.95E-06

Table C-35. Dioxin/Furan TEQ Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG39373	**Total Volume (mL)**	2650			
KC Sample ID	L54980-7	**Days**	14.02			
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.818	0.495	2.1677	4.22E-03	1	4.22E-03
1,2,3,7,8-PECDD	nd	0.495	1.31175	2.56E-03	1	2.56E-03
1,2,3,4,7,8-HXCDD	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,6,7,8-HXCDD	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,7,8,9-HXCDD	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,4,6,7,8-HPCDD	7.4	0.495	19.61	3.82E-02	0.01	3.82E-04
OCDD	53.8	0.752	142.57	2.78E-01	3E-04	8.33E-05
2,3,7,8-TCDF	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,7,8-PECDF	nd	0.495	1.31175	2.56E-03	0.03	7.67E-05
2,3,4,7,8-PECDF	nd	0.495	1.31175	2.56E-03	0.3	7.67E-04
1,2,3,4,7,8-HXCDF	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,6,7,8-HXCDF	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,7,8,9-HXCDF	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
2,3,4,6,7,8-HXCDF	nd	0.495	1.31175	2.56E-03	0.1	2.56E-04
1,2,3,4,6,7,8-HPCDF	1.71	0.495	4.5315	8.83E-03	0.01	8.83E-05
1,2,3,4,7,8,9-HPCDF	nd	0.495	1.31175	2.56E-03	0.01	2.56E-05
OCDF	3.93	0.495	10.4145	2.03E-02	3E-04	6.09E-06
AXYS Workgroup	WG40924	**Total Volume (mL)**	2950			
KC Sample ID	L55316-8	**Days**	13.98			
Collection Date	3/29/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.16	0.495	3.422	6.69E-03	1	6.69E-03
1,2,3,7,8-PECDD	nd	0.495	1.46025	2.85E-03	1	2.85E-03
1,2,3,4,7,8-HXCDD	nd	0.495	1.46025	2.85E-03	0.1	2.85E-04
1,2,3,6,7,8-HXCDD	0.766	0.495	2.2597	4.42E-03	0.1	4.42E-04
1,2,3,7,8,9-HXCDD	0.828	0.495	2.4426	4.78E-03	0.1	4.78E-04
1,2,3,4,6,7,8-HPCDD	10.2	0.495	30.09	5.88E-02	0.01	5.88E-04
OCDD	74.4	0.495	219.48	4.29E-01	3E-04	1.29E-04
2,3,7,8-TCDF (225)[b]	nd	0.608	1.7936	3.51E-03	0.1	3.51E-04
1,2,3,7,8-PECDF	nd	0.495	1.46025	2.85E-03	0.03	8.56E-05
2,3,4,7,8-PECDF	nd	0.495	1.46025	2.85E-03	0.3	8.56E-04
1,2,3,4,7,8-HXCDF	nd	0.495	1.46025	2.85E-03	0.1	2.85E-04
1,2,3,6,7,8-HXCDF	nd	0.495	1.46025	2.85E-03	0.1	2.85E-04
1,2,3,7,8,9-HXCDF	nd	0.495	1.46025	2.85E-03	0.1	2.85E-04
2,3,4,6,7,8-HXCDF	nd	0.495	1.46025	2.85E-03	0.1	2.85E-04
1,2,3,4,6,7,8-HPCDF	2.52	0.495	7.434	1.45E-02	0.01	1.45E-04
1,2,3,4,7,8,9-HPCDF	nd	0.495	1.46025	2.85E-03	0.01	2.85E-05
OCDF	4.81	0.495	14.1895	2.77E-02	3E-04	8.32E-06

Table C-35. Dioxin/Furan TEQ Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG40924	**Total Volume (mL)**	3200			
KC Sample ID	L56076-5	**Days**	7.00			
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.492	1.5744	1.37E-03	1	1.37E-03
1,2,3,7,8-PECDD	0.532	0.492	1.7024	1.48E-03	1	1.48E-03
1,2,3,4,7,8-HXCDD	0.654	0.492	2.0928	1.82E-03	0.1	1.82E-04
1,2,3,6,7,8-HXCDD	2.03	0.492	6.496	5.65E-03	0.1	5.65E-04
1,2,3,7,8,9-HXCDD	1.94	0.492	6.208	5.40E-03	0.1	5.40E-04
1,2,3,4,6,7,8-HPCDD	24.5	0.492	78.4	6.82E-02	0.01	6.82E-04
OCDD	136	0.492	435.2	3.79E-01	3E-04	1.14E-04
2,3,7,8-TCDF (225)[b]	nd	0.514	1.6448	1.43E-03	0.1	1.43E-04
1,2,3,7,8-PECDF	nd	0.492	1.5744	1.37E-03	0.03	4.11E-05
2,3,4,7,8-PECDF	0.689	0.492	2.2048	1.92E-03	0.3	5.76E-04
1,2,3,4,7,8-HXCDF	nd	0.492	1.5744	1.37E-03	0.1	1.37E-04
1,2,3,6,7,8-HXCDF	nd	0.492	1.5744	1.37E-03	0.1	1.37E-04
1,2,3,7,8,9-HXCDF	nd	0.492	1.5744	1.37E-03	0.1	1.37E-04
2,3,4,6,7,8-HXCDF	0.55	0.492	1.76	1.53E-03	0.1	1.53E-04
1,2,3,4,6,7,8-HPCDF	4.4	0.492	14.08	1.23E-02	0.01	1.23E-04
1,2,3,4,7,8,9-HPCDF	0.608	0.492	1.9456	1.69E-03	0.01	1.69E-05
OCDF	7.64	0.492	24.448	2.13E-02	3E-04	6.38E-06
AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56171-5	**Days**	21.04			
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.3	2.85	1.72	4.98E-04	1	4.98E-04
1,2,3,7,8-PECDD	8.6	2.85	3.44	9.96E-04	1	9.96E-04
1,2,3,4,7,8-HXCDD	14.1	2.85	5.64	1.63E-03	0.1	1.63E-04
1,2,3,6,7,8-HXCDD	27.4	2.85	10.96	3.17E-03	0.1	3.17E-04
1,2,3,7,8,9-HXCDD	26.1	2.85	10.44	3.02E-03	0.1	3.02E-04
1,2,3,4,6,7,8-HPCDD	464	3.6	185.6	5.37E-02	0.01	5.37E-04
OCDD	3460	2.85	1384	4.01E-01	3E-04	1.20E-04
2,3,7,8-TCDF (225)[b]	4.13	3.41	1.652	4.78E-04	0.1	4.78E-05
1,2,3,7,8-PECDF	3.02	2.85	1.208	3.50E-04	0.03	1.05E-05
2,3,4,7,8-PECDF	6.29	2.85	2.516	7.28E-04	0.3	2.18E-04
1,2,3,4,7,8-HXCDF	12.6	2.85	5.04	1.46E-03	0.1	1.46E-04
1,2,3,6,7,8-HXCDF	9.87	2.85	3.948	1.14E-03	0.1	1.14E-04
1,2,3,7,8,9-HXCDF	nd	2.85	1.14	3.30E-04	0.1	3.30E-05
2,3,4,6,7,8-HXCDF	7.72	2.85	3.088	8.94E-04	0.1	8.94E-05
1,2,3,4,6,7,8-HPCDF	106	3.02	42.4	1.23E-02	0.01	1.23E-04
1,2,3,4,7,8,9-HPCDF	6.46	3.02	2.584	7.48E-04	0.01	7.48E-06
OCDF	154	3.24	61.6	1.78E-02	3E-04	5.35E-06

Table C-35. Dioxin/Furan TEQ Flux Calculations by Congener for South Park Station (SPCC-R)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56292-5	**Days**	21.19			
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	7.27	2.74	2.908	8.36E-04	1	8.36E-04
1,2,3,7,8-PECDD	12.5	2.74	5	1.44E-03	1	1.44E-03
1,2,3,4,7,8-HXCDD	13.9	2.74	5.56	1.60E-03	0.1	1.60E-04
1,2,3,6,7,8-HXCDD	35.5	2.74	14.2	4.08E-03	0.1	4.08E-04
1,2,3,7,8,9-HXCDD	38.6	2.74	15.44	4.44E-03	0.1	4.44E-04
1,2,3,4,6,7,8-HPCDD	606	2.74	242.4	6.97E-02	0.01	6.97E-04
OCDD	5890	4.91	2356	6.77E-01	3E-04	2.03E-04
2,3,7,8-TCDF (225)[b]	8.58	3.33	3.432	9.86E-04	0.1	9.86E-05
1,2,3,7,8-PECDF	6.74	2.74	2.696	7.75E-04	0.03	2.32E-05
2,3,4,7,8-PECDF	8.44	2.74	3.376	9.70E-04	0.3	2.91E-04
1,2,3,4,7,8-HXCDF	9.83	2.74	3.932	1.13E-03	0.1	1.13E-04
1,2,3,6,7,8-HXCDF	11.6	2.74	4.64	1.33E-03	0.1	1.33E-04
1,2,3,7,8,9-HXCDF	nd	2.74	1.096	3.15E-04	0.1	3.15E-05
2,3,4,6,7,8-HXCDF	9.31	2.74	3.724	1.07E-03	0.1	1.07E-04
1,2,3,4,6,7,8-HPCDF	125	2.74	50	1.44E-02	0.01	1.44E-04
1,2,3,4,7,8,9-HPCDF	6.19	2.74	2.476	7.12E-04	0.01	7.12E-06
OCDF	187	2.74	74.8	2.15E-02	3E-04	6.45E-06
AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56386-5	**Days**	27.10			
Collection Date	10/10/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.19	2.26	1.276	2.87E-04	1	2.87E-04
1,2,3,7,8-PECDD	10.9	2.26	4.36	9.80E-04	1	9.80E-04
1,2,3,4,7,8-HXCDD	9.39	2.26	3.756	8.44E-04	0.1	8.44E-05
1,2,3,6,7,8-HXCDD	24.5	2.26	9.8	2.20E-03	0.1	2.20E-04
1,2,3,7,8,9-HXCDD	26.3	2.26	10.52	2.36E-03	0.1	2.36E-04
1,2,3,4,6,7,8-HPCDD	488	2.45	195.2	4.39E-02	0.01	4.39E-04
OCDD	3550	3.95	1420	3.19E-01	3E-04	9.57E-05
2,3,7,8-TCDF (225)[b]	3.64	3.13	1.456	3.27E-04	0.1	3.27E-05
1,2,3,7,8-PECDF	6.16	2.26	2.464	5.54E-04	0.03	1.66E-05
2,3,4,7,8-PECDF	7.45	2.26	2.98	6.70E-04	0.3	2.01E-04
1,2,3,4,7,8-HXCDF	10.3	2.26	4.12	9.26E-04	0.1	9.26E-05
1,2,3,6,7,8-HXCDF	10.6	2.26	4.24	9.53E-04	0.1	9.53E-05
1,2,3,7,8,9-HXCDF	nd	2.26	0.904	2.03E-04	0.1	2.03E-05
2,3,4,6,7,8-HXCDF	9.79	2.26	3.916	8.80E-04	0.1	8.80E-05
1,2,3,4,6,7,8-HPCDF	111	2.26	44.4	9.98E-03	0.01	9.98E-05
1,2,3,4,7,8,9-HPCDF	7.12	2.26	2.848	6.40E-04	0.01	6.40E-06
OCDF	193	2.26	77.2	1.73E-02	3E-04	5.20E-06

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable

Table C-36. Dioxin/Furan TEQ Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG37749	**Total Volume (mL)**	1500			
KC Sample ID	L53760-1	**Days**	28.90			
Collection Date	8/25/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.46	0.747	2.19	4.62E-04	1	4.62E-04
1,2,3,7,8-PECDD	4.57	0.789	6.855	1.44E-03	1	1.44E-03
1,2,3,4,7,8-HXCDD	6.89	0.747	10.335	2.18E-03	0.1	2.18E-04
1,2,3,6,7,8-HXCDD	10.1	0.747	15.15	3.19E-03	0.1	3.19E-04
1,2,3,7,8,9-HXCDD	13.2	0.747	19.8	4.17E-03	0.1	4.17E-04
1,2,3,4,6,7,8-HPCDD	193	0.747	289.5	6.10E-02	0.01	6.10E-04
OCDD	1520	1.2	2280	4.81E-01	0.0003	1.44E-04
2,3,7,8-TCDF (225)[b]	nd	0.747	1.1205	2.36E-04	0.1	2.36E-05
1,2,3,7,8-PECDF	nd	0.803	1.2045	2.54E-04	0.03	7.62E-06
2,3,4,7,8-PECDF	1.79	0.803	2.685	5.66E-04	0.3	1.70E-04
1,2,3,4,7,8-HXCDF	3.44	0.747	5.16	1.09E-03	0.1	1.09E-04
1,2,3,6,7,8-HXCDF	4.01	0.747	6.015	1.27E-03	0.1	1.27E-04
1,2,3,7,8,9-HXCDF	nd	0.747	1.1205	2.36E-04	0.1	2.36E-05
2,3,4,6,7,8-HXCDF	2.98	0.747	4.47	9.42E-04	0.1	9.42E-05
1,2,3,4,6,7,8-HPCDF	66.3	0.819	99.45	2.10E-02	0.01	2.10E-04
1,2,3,4,7,8,9-HPCDF	5.13	0.819	7.695	1.62E-03	0.01	1.62E-05
OCDF	233	0.874	349.5	7.37E-02	0.0003	2.21E-05
AXYS Workgroup	WG38263	**Total Volume (mL)**	3400			
KC Sample ID	L54175-14	**Days**	8.02			
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.915	0.471	3.111	2.36E-03	1	2.36E-03
1,2,3,7,8-PECDD	2.42	0.471	8.228	6.25E-03	1	6.25E-03
1,2,3,4,7,8-HXCDD	5.2	0.471	17.68	1.34E-02	0.1	1.34E-03
1,2,3,6,7,8-HXCDD	8.41	0.471	28.594	2.17E-02	0.1	2.17E-03
1,2,3,7,8,9-HXCDD	7.45	0.471	25.33	1.92E-02	0.1	1.92E-03
1,2,3,4,6,7,8-HPCDD	160	0.498	544	4.13E-01	0.01	4.13E-03
OCDD	1480	0.471	5032	3.82E+00	0.0003	1.15E-03
2,3,7,8-TCDF	nd	0.471	1.6014	1.22E-03	0.1	1.22E-04
1,2,3,7,8-PECDF	1.2	0.495	4.08	3.10E-03	0.03	9.29E-05
2,3,4,7,8-PECDF	1.08	0.495	3.672	2.79E-03	0.3	8.36E-04
1,2,3,4,7,8-HXCDF	2.78	0.844	9.452	7.18E-03	0.1	7.18E-04
1,2,3,6,7,8-HXCDF	2.17	0.844	7.378	5.60E-03	0.1	5.60E-04
1,2,3,7,8,9-HXCDF	nd	0.844	2.8696	2.18E-03	0.1	2.18E-04
2,3,4,6,7,8-HXCDF	1.74	0.844	5.916	4.49E-03	0.1	4.49E-04
1,2,3,4,6,7,8-HPCDF	66.6	0.56	226.44	1.72E-01	0.01	1.72E-03
1,2,3,4,7,8,9-HPCDF	4.21	0.56	14.314	1.09E-02	0.01	1.09E-04
OCDF	315	0.867	1071	8.13E-01	0.0003	2.44E-04

Table C-36. Dioxin/Furan TEQ Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG38263	**Total Volume (mL)**	3100	**Replicate of L54175-14**		
KC Sample ID	L54175-15	**Days**	8.02			
Collection Date	9/29/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.609	0.483	1.8879	1.43E-03	1	1.43E-03
1,2,3,7,8-PECDD	1.4	0.483	4.34	3.30E-03	1	3.30E-03
1,2,3,4,7,8-HXCDD	4.66	0.483	14.446	1.10E-02	0.1	1.10E-03
1,2,3,6,7,8-HXCDD	6.35	0.483	19.685	1.49E-02	0.1	1.49E-03
1,2,3,7,8,9-HXCDD	7.87	0.483	24.397	1.85E-02	0.1	1.85E-03
1,2,3,4,6,7,8-HPCDD	158	0.903	489.8	3.72E-01	0.01	3.72E-03
OCDD	1630	0.483	5053	3.84E+00	0.0003	1.15E-03
2,3,7,8-TCDF	nd	0.483	1.4973	1.14E-03	0.1	1.14E-04
1,2,3,7,8-PECDF	nd	0.483	1.4973	1.14E-03	0.03	3.41E-05
2,3,4,7,8-PECDF	nd	0.483	1.4973	1.14E-03	0.3	3.41E-04
1,2,3,4,7,8-HXCDF	1.98	0.483	6.138	4.66E-03	0.1	4.66E-04
1,2,3,6,7,8-HXCDF	1.94	0.483	6.014	4.57E-03	0.1	4.57E-04
1,2,3,7,8,9-HXCDF	nd	0.483	1.4973	1.14E-03	0.1	1.14E-04
2,3,4,6,7,8-HXCDF	1.82	0.483	5.642	4.28E-03	0.1	4.28E-04
1,2,3,4,6,7,8-HPCDF	71.3	0.483	221.03	1.68E-01	0.01	1.68E-03
1,2,3,4,7,8,9-HPCDF	4.49	0.483	13.919	1.06E-02	0.01	1.06E-04
OCDF	346	0.483	1072.6	8.14E-01	0.0003	2.44E-04
AXYS Workgroup	WG38263	**Total Volume (mL)**	2700			
KC Sample ID	L54294-12	**Days**	19.88			
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.473	1.2771	1.76E-03	1	1.76E-03
1,2,3,7,8-PECDD	0.798	0.473	2.1546	2.96E-03	1	2.96E-03
1,2,3,4,7,8-HXCDD	1.26	0.612	3.402	4.68E-03	0.1	4.68E-04
1,2,3,6,7,8-HXCDD	1.29	0.612	3.483	4.79E-03	0.1	4.79E-04
1,2,3,7,8,9-HXCDD	4.02	0.612	10.854	1.49E-02	0.1	1.49E-03
1,2,3,4,6,7,8-HPCDD	57	0.473	153.9	2.11E-01	0.01	2.11E-03
OCDD	521	0.477	1406.7	1.93E+00	0.0003	5.80E-04
2,3,7,8-TCDF	nd	0.473	1.2771	1.76E-03	0.1	1.76E-04
1,2,3,7,8-PECDF	nd	0.55	1.485	2.04E-03	0.03	6.12E-05
2,3,4,7,8-PECDF	nd	0.55	1.485	2.04E-03	0.3	6.12E-04
1,2,3,4,7,8-HXCDF	1.08	0.473	2.916	4.01E-03	0.1	4.01E-04
1,2,3,6,7,8-HXCDF	0.75	0.473	2.025	2.78E-03	0.1	2.78E-04
1,2,3,7,8,9-HXCDF	nd	0.473	1.2771	1.76E-03	0.1	1.76E-04
2,3,4,6,7,8-HXCDF	0.919	0.473	2.4813	3.41E-03	0.1	3.41E-04
1,2,3,4,6,7,8-HPCDF	19.9	0.473	53.73	7.38E-02	0.01	7.38E-04
1,2,3,4,7,8,9-HPCDF	1.67	0.473	4.509	6.20E-03	0.01	6.20E-05
OCDF	88.6	0.473	239.22	3.29E-01	0.0003	9.86E-05

Table C-36. Dioxin/Furan TEQ Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG38263	**Total Volume (mL)**	2700			
KC Sample ID	L54294-13	**Days**	19.88	**Replicate of L54294-12**		
Collection Date	10/19/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.483	1.3041	1.79E-03	1	1.79E-03
1,2,3,7,8-PECDD	0.993	0.483	2.6811	3.68E-03	1	3.68E-03
1,2,3,4,7,8-HXCDD	1.92	0.483	5.184	7.12E-03	0.1	7.12E-04
1,2,3,6,7,8-HXCDD	1.96	0.483	5.292	7.27E-03	0.1	7.27E-04
1,2,3,7,8,9-HXCDD	2.98	0.483	8.046	1.11E-02	0.1	1.11E-03
1,2,3,4,6,7,8-HPCDD	62.8	0.483	169.56	2.33E-01	0.01	2.33E-03
OCDD	742	0.994	2003.4	2.75E+00	0.0003	8.26E-04
2,3,7,8-TCDF	nd	0.483	1.3041	1.79E-03	0.1	1.79E-04
1,2,3,7,8-PECDF	nd	0.483	1.3041	1.79E-03	0.03	5.38E-05
2,3,4,7,8-PECDF	nd	0.483	1.3041	1.79E-03	0.3	5.38E-04
1,2,3,4,7,8-HXCDF	0.658	0.483	1.7766	2.44E-03	0.1	2.44E-04
1,2,3,6,7,8-HXCDF	nd	0.483	1.3041	1.79E-03	0.1	1.79E-04
1,2,3,7,8,9-HXCDF	nd	0.483	1.3041	1.79E-03	0.1	1.79E-04
2,3,4,6,7,8-HXCDF	0.679	0.483	1.8333	2.52E-03	0.1	2.52E-04
1,2,3,4,6,7,8-HPCDF	24.6	0.483	66.42	9.13E-02	0.01	9.13E-04
1,2,3,4,7,8,9-HPCDF	1.83	0.483	4.941	6.79E-03	0.01	6.79E-05
OCDF	156	0.483	421.2	5.79E-01	0.0003	1.74E-04
AXYS Workgroup	WG39373	**Total Volume (mL)**	1200			
KC Sample ID	L54542-12	**Days**	13.99			
Collection Date	11/16/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.897	0.501	1.0764	2.10E-03	1	2.10E-03
1,2,3,7,8-PECDD	1.82	0.774	2.184	4.26E-03	1	4.26E-03
1,2,3,4,7,8-HXCDD	2.89	0.501	3.468	6.77E-03	0.1	6.77E-04
1,2,3,6,7,8-HXCDD	4.36	0.501	5.232	1.02E-02	0.1	1.02E-03
1,2,3,7,8,9-HXCDD	4.93	0.501	5.916	1.16E-02	0.1	1.16E-03
1,2,3,4,6,7,8-HPCDD	80.9	0.915	97.08	1.90E-01	0.01	1.90E-03
OCDD	1040	0.501	1248	2.44E+00	0.0003	7.31E-04
2,3,7,8-TCDF (225)[b]	nd	0.501	0.6012	1.17E-03	0.1	1.17E-04
1,2,3,7,8-PECDF	nd	0.906	1.0872	2.12E-03	0.03	6.37E-05
2,3,4,7,8-PECDF	nd	0.906	1.0872	2.12E-03	0.3	6.37E-04
1,2,3,4,7,8-HXCDF	0.986	0.501	1.1832	2.31E-03	0.1	2.31E-04
1,2,3,6,7,8-HXCDF	1.08	0.501	1.296	2.53E-03	0.1	2.53E-04
1,2,3,7,8,9-HXCDF	nd	0.501	0.6012	1.17E-03	0.1	1.17E-04
2,3,4,6,7,8-HXCDF	1.27	0.501	1.524	2.98E-03	0.1	2.98E-04
1,2,3,4,6,7,8-HPCDF	37	0.651	44.4	8.67E-02	0.01	8.67E-04
1,2,3,4,7,8,9-HPCDF	2.98	0.651	3.576	6.98E-03	0.01	6.98E-05
OCDF	181	1.34	217.2	4.24E-01	0.0003	1.27E-04

Table C-36. Dioxin/Furan TEQ Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG39373	**Total Volume (mL)**	1550			
KC Sample ID	L55159-11	**Days**	12.96			
Collection Date	3/6/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.621	0.503	0.96255	2.03E-03	1	2.03E-03
1,2,3,7,8-PECDD	2.15	0.503	3.3325	7.02E-03	1	7.02E-03
1,2,3,4,7,8-HXCDD	7.97	0.706	12.3535	2.60E-02	0.1	2.60E-03
1,2,3,6,7,8-HXCDD	13.1	0.706	20.305	4.28E-02	0.1	4.28E-03
1,2,3,7,8,9-HXCDD	13	0.706	20.15	4.25E-02	0.1	4.25E-03
1,2,3,4,6,7,8-HPCDD	347	1.94	537.85	1.13E+00	0.01	1.13E-02
OCDD	4400	0.503	6820	1.44E+01	0.0003	4.31E-03
2,3,7,8-TCDF (225)[b]	nd	0.503	0.77965	1.64E-03	0.1	1.64E-04
1,2,3,7,8-PECDF	nd	0.528	0.8184	1.73E-03	0.03	5.18E-05
2,3,4,7,8-PECDF	0.728	0.528	1.1284	2.38E-03	0.3	7.14E-04
1,2,3,4,7,8-HXCDF	3.76	0.503	5.828	1.23E-02	0.1	1.23E-03
1,2,3,6,7,8-HXCDF	1.93	0.503	2.9915	6.31E-03	0.1	6.31E-04
1,2,3,7,8,9-HXCDF	nd	0.503	0.77965	1.64E-03	0.1	1.64E-04
2,3,4,6,7,8-HXCDF	1.39	0.503	2.1545	4.54E-03	0.1	4.54E-04
1,2,3,4,6,7,8-HPCDF	113	0.748	175.15	3.69E-01	0.01	3.69E-03
1,2,3,4,7,8,9-HPCDF	12.2	0.748	18.91	3.99E-02	0.01	3.99E-04
OCDF	717	2.09	1111.35	2.34E+00	0.0003	7.03E-04
AXYS Workgroup	WG40924	**Total Volume (mL)**	750			
KC Sample ID	L55963-11	**Days**	22.01			
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.46	1.38	1.095	1.36E-03	1	1.36E-03
1,2,3,7,8-PECDD	2.23	1.38	1.6725	2.08E-03	1	2.08E-03
1,2,3,4,7,8-HXCDD	5.41	1.38	4.0575	5.04E-03	0.1	5.04E-04
1,2,3,6,7,8-HXCDD	26.4	1.38	19.8	2.46E-02	0.1	2.46E-03
1,2,3,7,8,9-HXCDD	13	1.38	9.75	1.21E-02	0.1	1.21E-03
1,2,3,4,6,7,8-HPCDD	489	1.38	366.75	4.55E-01	0.01	4.55E-03
OCDD	4450	1.38	3337.5	4.14E+00	0.0003	1.24E-03
2,3,7,8-TCDF (225)[b]	nd	1.38	1.035	1.28E-03	0.1	1.28E-04
1,2,3,7,8-PECDF	4.98	1.38	3.735	4.64E-03	0.03	1.39E-04
2,3,4,7,8-PECDF	3.46	1.38	2.595	3.22E-03	0.3	9.67E-04
1,2,3,4,7,8-HXCDF	10.3	1.38	7.725	9.59E-03	0.1	9.59E-04
1,2,3,6,7,8-HXCDF	6.98	1.38	5.235	6.50E-03	0.1	6.50E-04
1,2,3,7,8,9-HXCDF	1.89	1.38	1.4175	1.76E-03	0.1	1.76E-04
2,3,4,6,7,8-HXCDF	4.29	1.38	3.2175	3.99E-03	0.1	3.99E-04
1,2,3,4,6,7,8-HPCDF	143	1.38	107.25	1.33E-01	0.01	1.33E-03
1,2,3,4,7,8,9-HPCDF	7.53	1.38	5.6475	7.01E-03	0.01	7.01E-05
OCDF	190	1.38	142.5	1.77E-01	0.0003	5.31E-05

Table C-36. Dioxin/Furan TEQ Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG40924	**Total Volume (mL)**	4250			
KC Sample ID	L56076-9	**Days**	6.99			
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.494	2.0995	1.83E-03	1	1.83E-03
1,2,3,7,8-PECDD	0.536	0.494	2.278	1.98E-03	1	1.98E-03
1,2,3,4,7,8-HXCDD	0.961	0.494	4.08425	3.56E-03	0.1	3.56E-04
1,2,3,6,7,8-HXCDD	1.19	0.494	5.0575	4.40E-03	0.1	4.40E-04
1,2,3,7,8,9-HXCDD	2.23	0.494	9.4775	8.25E-03	0.1	8.25E-04
1,2,3,4,6,7,8-HPCDD	36.8	0.494	156.4	1.36E-01	0.01	1.36E-03
OCDD	350	0.524	1487.5	1.30E+00	0.0003	3.89E-04
2,3,7,8-TCDF	nd	0.494	2.0995	1.83E-03	0.1	1.83E-04
1,2,3,7,8-PECDF	nd	0.494	2.0995	1.83E-03	0.03	5.49E-05
2,3,4,7,8-PECDF	nd	0.494	2.0995	1.83E-03	0.3	5.49E-04
1,2,3,4,7,8-HXCDF	0.579	0.494	2.46075	2.14E-03	0.1	2.14E-04
1,2,3,6,7,8-HXCDF	0.748	0.494	3.179	2.77E-03	0.1	2.77E-04
1,2,3,7,8,9-HXCDF	nd	0.494	2.0995	1.83E-03	0.1	1.83E-04
2,3,4,6,7,8-HXCDF	0.55	0.494	2.3375	2.04E-03	0.1	2.04E-04
1,2,3,4,6,7,8-HPCDF	14.9	0.494	63.325	5.51E-02	0.01	5.51E-04
1,2,3,4,7,8,9-HPCDF	1.14	0.494	4.845	4.22E-03	0.01	4.22E-05
OCDF	68.4	0.527	290.7	2.53E-01	0.0003	7.60E-05
AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56171-9	**Days**	21.08			
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	4.32	2.82	1.728	4.99E-04	1	4.99E-04
1,2,3,7,8-PECDD	18.9	2.82	7.56	2.18E-03	1	2.18E-03
1,2,3,4,7,8-HXCDD	34.4	2.82	13.76	3.98E-03	0.1	3.98E-04
1,2,3,6,7,8-HXCDD	63.3	2.82	25.32	7.32E-03	0.1	7.32E-04
1,2,3,7,8,9-HXCDD	74.7	2.82	29.88	8.63E-03	0.1	8.63E-04
1,2,3,4,6,7,8-HPCDD	1260	3.14	504	1.46E-01	0.01	1.46E-03
OCDD	8660	4.75	3464	1.00E+00	0.0003	3.00E-04
2,3,7,8-TCDF (225)[b]	nd	3.15	1.26	3.64E-04	0.1	3.64E-05
1,2,3,7,8-PECDF	4.85	2.82	1.94	5.61E-04	0.03	1.68E-05
2,3,4,7,8-PECDF	7.97	2.82	3.188	9.21E-04	0.3	2.76E-04
1,2,3,4,7,8-HXCDF	21.1	2.82	8.44	2.44E-03	0.1	2.44E-04
1,2,3,6,7,8-HXCDF	17.4	2.82	6.96	2.01E-03	0.1	2.01E-04
1,2,3,7,8,9-HXCDF	nd	2.82	1.128	3.26E-04	0.1	3.26E-05
2,3,4,6,7,8-HXCDF	14.3	2.82	5.72	1.65E-03	0.1	1.65E-04
1,2,3,4,6,7,8-HPCDF	465	3.22	186	5.37E-02	0.01	5.37E-04
1,2,3,4,7,8,9-HPCDF	38	3.22	15.2	4.39E-03	0.01	4.39E-05
OCDF	1750	2.82	700	2.02E-01	0.0003	6.07E-05

Table C-36. Dioxin/Furan TEQ Flux Calculations by Congener for Kent Station (PSCAA-CW)

AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56292-9	**Days**	21.16			
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	7.43	2.76	2.972	8.56E-04	1	8.56E-04
1,2,3,7,8-PECDD	28.1	2.76	11.24	3.24E-03	1	3.24E-03
1,2,3,4,7,8-HXCDD	38.7	2.76	15.48	4.46E-03	0.1	4.46E-04
1,2,3,6,7,8-HXCDD	76.2	2.76	30.48	8.77E-03	0.1	8.77E-04
1,2,3,7,8,9-HXCDD	80.1	2.76	32.04	9.22E-03	0.1	9.22E-04
1,2,3,4,6,7,8-HPCDD	1470	4.42	588	1.69E-01	0.01	1.69E-03
OCDD	13000	2.8	5200	1.50E+00	0.0003	4.49E-04
2,3,7,8-TCDF (225)[b]	4.02	2.76	1.608	4.63E-04	0.1	4.63E-05
1,2,3,7,8-PECDF	4.28	2.76	1.712	4.93E-04	0.03	1.48E-05
2,3,4,7,8-PECDF	9.24	2.76	3.696	1.06E-03	0.3	3.19E-04
1,2,3,4,7,8-HXCDF	25.2	2.76	10.08	2.90E-03	0.1	2.90E-04
1,2,3,6,7,8-HXCDF	20.9	2.76	8.36	2.41E-03	0.1	2.41E-04
1,2,3,7,8,9-HXCDF	nd	2.76	1.104	3.18E-04	0.1	3.18E-05
2,3,4,6,7,8-HXCDF	19.1	2.76	7.64	2.20E-03	0.1	2.20E-04
1,2,3,4,6,7,8-HPCDF	384	2.76	153.6	4.42E-02	0.01	4.42E-04
1,2,3,4,7,8,9-HPCDF	25.1	2.76	10.04	2.89E-03	0.01	2.89E-05
OCDF	986	2.76	394.4	1.14E-01	0.0003	3.41E-05
AXYS Workgroup	WG41911	**Total Volume (mL)**	3200			
KC Sample ID	L56620-1	**Days**	14.05			
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.499	1.5968	3.10E-03	1	3.10E-03
1,2,3,7,8-PECDD	2.37	0.499	7.584	1.47E-02	1	1.47E-02
1,2,3,4,7,8-HXCDD	5.15	0.499	16.48	3.20E-02	0.1	3.20E-03
1,2,3,6,7,8-HXCDD	8.52	0.499	27.264	5.30E-02	0.1	5.30E-03
1,2,3,7,8,9-HXCDD	10	0.499	32	6.22E-02	0.1	6.22E-03
1,2,3,4,6,7,8-HPCDD	237	0.968	758.4	1.47E+00	0.01	1.47E-02
OCDD	2930	0.499	9376	1.82E+01	0.0003	5.47E-03
2,3,7,8-TCDF	nd	0.499	1.5968	3.10E-03	0.1	3.10E-04
1,2,3,7,8-PECDF	nd	0.499	1.5968	3.10E-03	0.03	9.31E-05
2,3,4,7,8-PECDF	0.85	0.499	2.72	5.29E-03	0.3	1.59E-03
1,2,3,4,7,8-HXCDF	2.98	0.499	9.536	1.85E-02	0.1	1.85E-03
1,2,3,6,7,8-HXCDF	3.53	0.499	11.296	2.20E-02	0.1	2.20E-03
1,2,3,7,8,9-HXCDF	nd	0.499	1.5968	3.10E-03	0.1	3.10E-04
2,3,4,6,7,8-HXCDF	2.67	0.499	8.544	1.66E-02	0.1	1.66E-03
1,2,3,4,6,7,8-HPCDF	175	0.499	560	1.09E+00	0.01	1.09E-02
1,2,3,4,7,8,9-HPCDF	8.85	0.499	28.32	5.51E-02	0.01	5.51E-04
OCDF	549	0.564	1756.8	3.42E+00	0.0003	1.02E-03

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable

Table C-37. Dioxin/Furan TEQ Flux Calculations by Congener for Kent_SC Station

AXYS Workgroup	WG40924	**Total Volume (mL)**	700			
KC Sample ID	L55963-17	**Days**	21.99			
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	1.38	1.35	0.966	1.20E-03	1	1.20E-03
1,2,3,7,8-PECDD	nd	1.35	0.945	1.17E-03	1	1.17E-03
1,2,3,4,7,8-HXCDD	nd	1.35	0.945	1.17E-03	0.1	1.17E-04
1,2,3,6,7,8-HXCDD	1.92	1.35	1.344	1.67E-03	0.1	1.67E-04
1,2,3,7,8,9-HXCDD	3.13	1.35	2.191	2.72E-03	0.1	2.72E-04
1,2,3,4,6,7,8-HPCDD	49.5	1.35	34.65	4.31E-02	0.01	4.31E-04
OCDD	351	1.35	245.7	3.05E-01	0.0003	9.16E-05
2,3,7,8-TCDF	nd	1.35	0.945	1.17E-03	0.1	1.17E-04
1,2,3,7,8-PECDF	nd	1.35	0.945	1.17E-03	0.03	3.52E-05
2,3,4,7,8-PECDF	nd	1.35	0.945	1.17E-03	0.3	3.52E-04
1,2,3,4,7,8-HXCDF	nd	1.35	0.945	1.17E-03	0.1	1.17E-04
1,2,3,6,7,8-HXCDF	nd	1.35	0.945	1.17E-03	0.1	1.17E-04
1,2,3,7,8,9-HXCDF	nd	1.35	0.945	1.17E-03	0.1	1.17E-04
2,3,4,6,7,8-HXCDF	nd	1.35	0.945	1.17E-03	0.1	1.17E-04
1,2,3,4,6,7,8-HPCDF	15	1.35	10.5	1.30E-02	0.01	1.30E-04
1,2,3,4,7,8,9-HPCDF	nd	1.35	0.945	1.17E-03	0.01	1.17E-05
OCDF	40.2	1.35	28.14	3.50E-02	0.0003	1.05E-05
AXYS Workgroup	WG40924	**Total Volume (mL)**	4300			
KC Sample ID	L56076-13	**Days**	6.99			
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.499	2.1457	1.87E-03	1	1.87E-03
1,2,3,7,8-PECDD	nd	0.499	2.1457	1.87E-03	1	1.87E-03
1,2,3,4,7,8-HXCDD	nd	0.499	2.1457	1.87E-03	0.1	1.87E-04
1,2,3,6,7,8-HXCDD	0.509	0.499	2.1887	1.91E-03	0.1	1.91E-04
1,2,3,7,8,9-HXCDD	0.577	0.499	2.4811	2.16E-03	0.1	2.16E-04
1,2,3,4,6,7,8-HPCDD	5.39	0.499	23.177	2.02E-02	0.01	2.02E-04
OCDD	40.5	0.499	174.15	1.52E-01	0.0003	4.55E-05
2,3,7,8-TCDF	nd	0.499	2.1457	1.87E-03	0.1	1.87E-04
1,2,3,7,8-PECDF	nd	0.499	2.1457	1.87E-03	0.03	5.61E-05
2,3,4,7,8-PECDF	nd	0.499	2.1457	1.87E-03	0.3	5.61E-04
1,2,3,4,7,8-HXCDF	nd	0.499	2.1457	1.87E-03	0.1	1.87E-04
1,2,3,6,7,8-HXCDF	nd	0.499	2.1457	1.87E-03	0.1	1.87E-04
1,2,3,7,8,9-HXCDF	nd	0.499	2.1457	1.87E-03	0.1	1.87E-04
2,3,4,6,7,8-HXCDF	nd	0.499	2.1457	1.87E-03	0.1	1.87E-04
1,2,3,4,6,7,8-HPCDF	1.62	0.499	6.966	6.07E-03	0.01	6.07E-05
1,2,3,4,7,8,9-HPCDF	nd	0.499	2.1457	1.87E-03	0.01	1.87E-05
OCDF	3.42	0.499	14.706	1.28E-02	0.0003	3.84E-06

Table C-37. Dioxin/Furan TEQ Flux Calculations by Congener for Kent_SC Station

AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56171-13	**Days**	21.03			
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	2.79	1.116	3.23E-04	1	3.23E-04
1,2,3,7,8-PECDD	7.95	2.79	3.18	9.21E-04	1	9.21E-04
1,2,3,4,7,8-HXCDD	nd	17.3	6.92	2.00E-03	0.1	2.00E-04
1,2,3,6,7,8-HXCDD	31.4	17.3	12.56	3.64E-03	0.1	3.64E-04
1,2,3,7,8,9-HXCDD	23.1	17.3	9.24	2.68E-03	0.1	2.68E-04
1,2,3,4,6,7,8-HPCDD	341	19.4	136.4	3.95E-02	0.01	3.95E-04
OCDD	2130	24	852	2.47E-01	0.0003	7.40E-05
2,3,7,8-TCDF (225)[b]	nd	3.03	1.212	3.51E-04	0.1	3.51E-05
1,2,3,7,8-PECDF	3.23	2.79	1.292	3.74E-04	0.03	1.12E-05
2,3,4,7,8-PECDF	6.56	2.79	2.624	7.60E-04	0.3	2.28E-04
1,2,3,4,7,8-HXCDF	nd	12.4	4.96	1.44E-03	0.1	1.44E-04
1,2,3,6,7,8-HXCDF	nd	12.4	4.96	1.44E-03	0.1	1.44E-04
1,2,3,7,8,9-HXCDF	nd	12.4	4.96	1.44E-03	0.1	1.44E-04
2,3,4,6,7,8-HXCDF	nd	12.4	4.96	1.44E-03	0.1	1.44E-04
1,2,3,4,6,7,8-HPCDF	92.9	36.6	37.16	1.08E-02	0.01	1.08E-04
1,2,3,4,7,8,9-HPCDF	nd	36.6	14.64	4.24E-03	0.01	4.24E-05
OCDF	117	17	46.8	1.35E-02	0.0003	4.06E-06
AXYS Workgroup	WG41911	**Total Volume (mL)**	400			
KC Sample ID	L56292-15	**Days**	21.20			
Collection Date	9/6/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	3.29	2.77	1.316	3.78E-04	1	3.78E-04
1,2,3,7,8-PECDD	10.4	2.77	4.16	1.20E-03	1	1.20E-03
1,2,3,4,7,8-HXCDD	13.1	2.77	5.24	1.51E-03	0.1	1.51E-04
1,2,3,6,7,8-HXCDD	27.2	2.77	10.88	3.13E-03	0.1	3.13E-04
1,2,3,7,8,9-HXCDD	33.4	2.77	13.36	3.84E-03	0.1	3.84E-04
1,2,3,4,6,7,8-HPCDD	472	2.77	188.8	5.42E-02	0.01	5.42E-04
OCDD	3450	2.77	1380	3.96E-01	0.0003	1.19E-04
2,3,7,8-TCDF (225)[b]	nd	2.77	1.108	3.18E-04	0.1	3.18E-05
1,2,3,7,8-PECDF	3.63	2.77	1.452	4.17E-04	0.03	1.25E-05
2,3,4,7,8-PECDF	5.68	2.77	2.272	6.53E-04	0.3	1.96E-04
1,2,3,4,7,8-HXCDF	8.44	2.77	3.376	9.70E-04	0.1	9.70E-05
1,2,3,6,7,8-HXCDF	10.4	2.77	4.16	1.20E-03	0.1	1.20E-04
1,2,3,7,8,9-HXCDF	nd	2.77	1.108	3.18E-04	0.1	3.18E-05
2,3,4,6,7,8-HXCDF	6.37	2.77	2.548	7.32E-04	0.1	7.32E-05
1,2,3,4,6,7,8-HPCDF	109	2.77	43.6	1.25E-02	0.01	1.25E-04
1,2,3,4,7,8,9-HPCDF	9.89	2.77	3.956	1.14E-03	0.01	1.14E-05
OCDF	215	2.77	86	2.47E-02	0.0003	7.41E-06

Table C-37. Dioxin/Furan TEQ Flux Calculations by Congener for Kent_SC Station

AXYS Workgroup	WG41911	**Total Volume (mL)**	3250			
KC Sample ID	L56620-5	**Days**	14.05			
Collection Date	10/24/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.471	1.53075	2.98E-03	1	2.98E-03
1,2,3,7,8-PECDD	nd	0.471	1.53075	2.98E-03	1	2.98E-03
1,2,3,4,7,8-HXCDD	nd	0.471	1.53075	2.98E-03	0.1	2.98E-04
1,2,3,6,7,8-HXCDD	0.583	0.471	1.89475	3.68E-03	0.1	3.68E-04
1,2,3,7,8,9-HXCDD	0.483	0.471	1.56975	3.05E-03	0.1	3.05E-04
1,2,3,4,6,7,8-HPCDD	5.7	0.471	18.525	3.60E-02	0.01	3.60E-04
OCDD	39.1	0.471	127.075	2.47E-01	0.0003	7.41E-05
2,3,7,8-TCDF	nd	0.471	1.53075	2.98E-03	0.1	2.98E-04
1,2,3,7,8-PECDF	nd	0.471	1.53075	2.98E-03	0.03	8.93E-05
2,3,4,7,8-PECDF	nd	0.471	1.53075	2.98E-03	0.3	8.93E-04
1,2,3,4,7,8-HXCDF	nd	0.471	1.53075	2.98E-03	0.1	2.98E-04
1,2,3,6,7,8-HXCDF	nd	0.471	1.53075	2.98E-03	0.1	2.98E-04
1,2,3,7,8,9-HXCDF	nd	0.471	1.53075	2.98E-03	0.1	2.98E-04
2,3,4,6,7,8-HXCDF	nd	0.471	1.53075	2.98E-03	0.1	2.98E-04
1,2,3,4,6,7,8-HPCDF	1.41	0.471	4.5825	8.91E-03	0.01	8.91E-05
1,2,3,4,7,8,9-HPCDF	nd	0.471	1.53075	2.98E-03	0.01	2.98E-05
OCDF	4.64	0.471	15.08	2.93E-02	0.0003	8.80E-06

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.
[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).
nd: nondetect; —: not applicable

Table C-38. Dioxin/Furan TEQ Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

AXYS Workgroup	WG39373	**Total Volume (mL)**	2200			
KC Sample ID	L54719-15	**Days**	28.93			
Collection Date	12/28/2011	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.709	0.492	1.5598	1.47E-03	1	1.47E-03
1,2,3,7,8-PECDD	nd	0.492	1.0824	1.02E-03	1	1.02E-03
1,2,3,4,7,8-HXCDD	nd	0.492	1.0824	1.02E-03	0.1	1.02E-04
1,2,3,6,7,8-HXCDD	0.898	0.492	1.9756	1.87E-03	0.1	1.87E-04
1,2,3,7,8,9-HXCDD	0.928	0.492	2.0416	1.93E-03	0.1	1.93E-04
1,2,3,4,6,7,8-HPCDD	6.56	0.492	14.432	1.36E-02	0.01	1.36E-04
OCDD	31.1	0.492	68.42	6.46E-02	0.0003	1.94E-05
2,3,7,8-TCDF	nd	0.492	1.0824	1.02E-03	0.1	1.02E-04
1,2,3,7,8-PECDF	nd	0.492	1.0824	1.02E-03	0.03	3.07E-05
2,3,4,7,8-PECDF	nd	0.492	1.0824	1.02E-03	0.3	3.07E-04
1,2,3,4,7,8-HXCDF	nd	0.492	1.0824	1.02E-03	0.1	1.02E-04
1,2,3,6,7,8-HXCDF	nd	0.492	1.0824	1.02E-03	0.1	1.02E-04
1,2,3,7,8,9-HXCDF	nd	0.492	1.0824	1.02E-03	0.1	1.02E-04
2,3,4,6,7,8-HXCDF	0.56	0.492	1.232	1.16E-03	0.1	1.16E-04
1,2,3,4,6,7,8-HPCDF	0.975	0.492	2.145	2.03E-03	0.01	2.03E-05
1,2,3,4,7,8,9-HPCDF	nd	0.492	1.0824	1.02E-03	0.01	1.02E-05
OCDF	0.765	0.492	1.683	1.59E-03	0.0003	4.77E-07
AXYS Workgroup	WG39373	**Total Volume (mL)**	3100			
KC Sample ID	L54980-14	**Days**	13.98			
Collection Date	2/7/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.759	0.495	2.3529	4.60E-03	1	4.60E-03
1,2,3,7,8-PECDD	nd	0.495	1.5345	3.00E-03	1	3.00E-03
1,2,3,4,7,8-HXCDD	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,6,7,8-HXCDD	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,7,8,9-HXCDD	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,4,6,7,8-HPCDD	2.33	0.495	7.223	1.41E-02	0.01	1.41E-04
OCDD	6.11	0.495	18.941	3.70E-02	0.0003	1.11E-05
2,3,7,8-TCDF	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,7,8-PECDF	nd	0.495	1.5345	3.00E-03	0.03	9.00E-05
2,3,4,7,8-PECDF	nd	0.495	1.5345	3.00E-03	0.3	9.00E-04
1,2,3,4,7,8-HXCDF	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,6,7,8-HXCDF	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,7,8,9-HXCDF	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
2,3,4,6,7,8-HXCDF	nd	0.495	1.5345	3.00E-03	0.1	3.00E-04
1,2,3,4,6,7,8-HPCDF	nd	0.495	1.5345	3.00E-03	0.01	3.00E-05
1,2,3,4,7,8,9-HPCDF	nd	0.495	1.5345	3.00E-03	0.01	3.00E-05
OCDF	nd	0.495	1.5345	3.00E-03	0.0003	9.00E-07

Table C-38. Dioxin/Furan TEQ Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

AXYS Workgroup	WG40924	**Total Volume (mL)**	4500			
KC Sample ID	L55793-13	**Days**	25.03			
Collection Date	6/25/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.496	2.232	2.44E-03	1	2.44E-03
1,2,3,7,8-PECDD	nd	0.496	2.232	2.44E-03	1	2.44E-03
1,2,3,4,7,8-HXCDD	nd	1.03	4.635	5.06E-03	0.1	5.06E-04
1,2,3,6,7,8-HXCDD	nd	1.03	4.635	5.06E-03	0.1	5.06E-04
1,2,3,7,8,9-HXCDD	1.04	1.03	4.68	5.11E-03	0.1	5.11E-04
1,2,3,4,6,7,8-HPCDD	10.8	0.692	48.6	5.30E-02	0.01	5.30E-04
OCDD	40.9	0.746	184.05	2.01E-01	0.0003	6.03E-05
2,3,7,8-TCDF	nd	0.496	2.232	2.44E-03	0.1	2.44E-04
1,2,3,7,8-PECDF	nd	0.496	2.232	2.44E-03	0.03	7.31E-05
2,3,4,7,8-PECDF	nd	0.496	2.232	2.44E-03	0.3	7.31E-04
1,2,3,4,7,8-HXCDF	nd	0.541	2.4345	2.66E-03	0.1	2.66E-04
1,2,3,6,7,8-HXCDF	nd	0.541	2.4345	2.66E-03	0.1	2.66E-04
1,2,3,7,8,9-HXCDF	nd	0.541	2.4345	2.66E-03	0.1	2.66E-04
2,3,4,6,7,8-HXCDF	nd	0.541	2.4345	2.66E-03	0.1	2.66E-04
1,2,3,4,6,7,8-HPCDF	0.819	0.602	3.6855	4.02E-03	0.01	4.02E-05
1,2,3,4,7,8,9-HPCDF	nd	0.602	2.709	2.96E-03	0.01	2.96E-05
OCDF	0.904	0.496	4.068	4.44E-03	0.0003	1.33E-06
AXYS Workgroup	WG40924	**Total Volume (mL)**	1900			
KC Sample ID	L55963-21	**Days**	23.99			
Collection Date	7/19/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.524	0.9956	1.13E-03	1	1.13E-03
1,2,3,7,8-PECDD	nd	0.524	0.9956	1.13E-03	1	1.13E-03
1,2,3,4,7,8-HXCDD	nd	0.524	0.9956	1.13E-03	0.1	1.13E-04
1,2,3,6,7,8-HXCDD	0.658	0.524	1.2502	1.42E-03	0.1	1.42E-04
1,2,3,7,8,9-HXCDD	0.977	0.524	1.8563	2.11E-03	0.1	2.11E-04
1,2,3,4,6,7,8-HPCDD	11.1	0.524	21.09	2.40E-02	0.01	2.40E-04
OCDD	65.9	0.62	125.21	1.43E-01	0.0003	4.28E-05
2,3,7,8-TCDF	nd	0.524	0.9956	1.13E-03	0.1	1.13E-04
1,2,3,7,8-PECDF	nd	0.524	0.9956	1.13E-03	0.03	3.40E-05
2,3,4,7,8-PECDF	nd	0.524	0.9956	1.13E-03	0.3	3.40E-04
1,2,3,4,7,8-HXCDF	nd	0.524	0.9956	1.13E-03	0.1	1.13E-04
1,2,3,6,7,8-HXCDF	nd	0.524	0.9956	1.13E-03	0.1	1.13E-04
1,2,3,7,8,9-HXCDF	nd	0.524	0.9956	1.13E-03	0.1	1.13E-04
2,3,4,6,7,8-HXCDF	0.666	0.524	1.2654	1.44E-03	0.1	1.44E-04
1,2,3,4,6,7,8-HPCDF	1.34	0.524	2.546	2.90E-03	0.01	2.90E-05
1,2,3,4,7,8,9-HPCDF	nd	0.524	0.9956	1.13E-03	0.01	1.13E-05
OCDF	2.7	0.524	5.13	5.84E-03	0.0003	1.75E-06

Table C-38. Dioxin/Furan TEQ Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

AXYS Workgroup	WG40924	**Total Volume (mL)**	2900			
KC Sample ID	L56076-17	**Days**	6.98			
Collection Date	7/26/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	0.893	0.704	2.5897	2.26E-03	1	2.26E-03
1,2,3,7,8-PECDD	nd	0.874	2.5346	2.21E-03	1	2.21E-03
1,2,3,4,7,8-HXCDD	nd	2.22	6.438	5.62E-03	0.1	5.62E-04
1,2,3,6,7,8-HXCDD	nd	2.22	6.438	5.62E-03	0.1	5.62E-04
1,2,3,7,8,9-HXCDD	nd	2.22	6.438	5.62E-03	0.1	5.62E-04
1,2,3,4,6,7,8-HPCDD	4.62	3.02	13.398	1.17E-02	0.01	1.17E-04
OCDD	18.4	2.13	53.36	4.65E-02	0.0003	1.40E-05
2,3,7,8-TCDF	nd	0.496	1.4384	1.25E-03	0.1	1.25E-04
1,2,3,7,8-PECDF	nd	0.717	2.0793	1.81E-03	0.03	5.44E-05
2,3,4,7,8-PECDF	nd	0.717	2.0793	1.81E-03	0.3	5.44E-04
1,2,3,4,7,8-HXCDF	nd	2.08	6.032	5.26E-03	0.1	5.26E-04
1,2,3,6,7,8-HXCDF	nd	2.08	6.032	5.26E-03	0.1	5.26E-04
1,2,3,7,8,9-HXCDF	nd	2.08	6.032	5.26E-03	0.1	5.26E-04
2,3,4,6,7,8-HXCDF	nd	2.08	6.032	5.26E-03	0.1	5.26E-04
1,2,3,4,6,7,8-HPCDF	nd	2.13	6.177	5.39E-03	0.01	5.39E-05
1,2,3,4,7,8,9-HPCDF	nd	2.13	6.177	5.39E-03	0.01	5.39E-05
OCDF	nd	0.815	2.3635	2.06E-03	0.0003	6.18E-07
AXYS Workgroup	WG41911	**Total Volume (mL)**	600			
KC Sample ID	L56171-17	**Days**	21.06			
Collection Date	8/16/2012	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	1.49	0.894	2.58E-04	1	2.58E-04
1,2,3,7,8-PECDD	2.09	1.49	1.254	3.63E-04	1	3.63E-04
1,2,3,4,7,8-HXCDD	2.29	1.49	1.374	3.97E-04	0.1	3.97E-05
1,2,3,6,7,8-HXCDD	4.84	1.49	2.904	8.40E-04	0.1	8.40E-05
1,2,3,7,8,9-HXCDD	3.95	1.49	2.37	6.85E-04	0.1	6.85E-05
1,2,3,4,6,7,8-HPCDD	45	1.49	27	7.81E-03	0.01	7.81E-05
OCDD	229	1.49	137.4	3.97E-02	0.0003	1.19E-05
2,3,7,8-TCDF	nd	1.49	0.894	2.58E-04	0.1	2.58E-05
1,2,3,7,8-PECDF	nd	1.49	0.894	2.58E-04	0.03	7.75E-06
2,3,4,7,8-PECDF	nd	1.49	0.894	2.58E-04	0.3	7.75E-05
1,2,3,4,7,8-HXCDF	1.83	1.49	1.098	3.17E-04	0.1	3.17E-05
1,2,3,6,7,8-HXCDF	1.8	1.49	1.08	3.12E-04	0.1	3.12E-05
1,2,3,7,8,9-HXCDF	nd	1.49	0.894	2.58E-04	0.1	2.58E-05
2,3,4,6,7,8-HXCDF	nd	1.49	0.894	2.58E-04	0.1	2.58E-05
1,2,3,4,6,7,8-HPCDF	8.75	1.49	5.25	1.52E-03	0.01	1.52E-05
1,2,3,4,7,8,9-HPCDF	nd	1.49	0.894	2.58E-04	0.01	2.58E-06
OCDF	11.9	1.49	7.14	2.06E-03	0.0003	6.19E-07

Table C-38. Dioxin/Furan TEQ Flux Calculations by Congener for Enumclaw Station (PSCAA-DF)

AXYS Workgroup	WG41911	**Total Volume (mL)**	500
KC Sample ID	L56292-19	**Days**	10.49
Collection Date	8/27/2012	**Funnel Area (m^2)**	0.1642

Compound	Concentration (pg/L)	Sample Detection Limit (pg/L)	Total Mass (pg)[a]	Mass Flux (ng/m^2-day)[a]	TEF[c]	TEQ Flux (ng/m^2-day)[a]
2,3,7,8-TCDD	nd	1.8	0.9	5.23E-04	1	5.23E-04
1,2,3,7,8-PECDD	nd	1.8	0.9	5.23E-04	1	5.23E-04
1,2,3,4,7,8-HXCDD	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
1,2,3,6,7,8-HXCDD	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
1,2,3,7,8,9-HXCDD	2.72	1.8	1.36	7.90E-04	0.1	7.90E-05
1,2,3,4,6,7,8-HPCDD	26.6	1.8	13.3	7.72E-03	0.01	7.72E-05
OCDD	178	1.8	89	5.17E-02	0.0003	1.55E-05
2,3,7,8-TCDF	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
1,2,3,7,8-PECDF	nd	1.8	0.9	5.23E-04	0.03	1.57E-05
2,3,4,7,8-PECDF	nd	1.8	0.9	5.23E-04	0.3	1.57E-04
1,2,3,4,7,8-HXCDF	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
1,2,3,6,7,8-HXCDF	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
1,2,3,7,8,9-HXCDF	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
2,3,4,6,7,8-HXCDF	nd	1.8	0.9	5.23E-04	0.1	5.23E-05
1,2,3,4,6,7,8-HPCDF	4.9	1.8	2.45	1.42E-03	0.01	1.42E-05
1,2,3,4,7,8,9-HPCDF	nd	1.8	0.9	5.23E-04	0.01	5.23E-06
OCDF	7.55	1.8	3.775	2.19E-03	0.0003	6.58E-07

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable

Table C-39. Dioxin/Furan TEQ Flux Calculations by Congener for Equipment Blank

AXYS Workgroup	WG38263	**Total Volume (mL)**	3000			
KC Sample ID	L54175-3	**Days**	—			
Collection Date	9/21/2011	**Funnel Area (m^2)**	0.1642			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	nd	0.466	1.398	—	1	—
1,2,3,7,8-PECDD	nd	0.466	1.398	—	1	—
1,2,3,4,7,8-HXCDD	nd	0.925	2.775	—	0.1	—
1,2,3,6,7,8-HXCDD	0.932	0.925	2.796	—	0.1	—
1,2,3,7,8,9-HXCDD	nd	0.925	2.775	—	0.1	—
1,2,3,4,6,7,8-HPCDD	1.88	1.02	5.64	—	0.01	—
OCDD	6.8	0.466	20.4	—	0.0003	—
2,3,7,8-TCDF	nd	0.466	1.398	—	0.1	—
1,2,3,7,8-PECDF	nd	0.466	1.398	—	0.03	—
2,3,4,7,8-PECDF	nd	0.466	1.398	—	0.3	—
1,2,3,4,7,8-HXCDF	nd	0.628	1.884	—	0.1	—
1,2,3,6,7,8-HXCDF	nd	0.628	1.884	—	0.1	—
1,2,3,7,8,9-HXCDF	nd	0.628	1.884	—	0.1	—
2,3,4,6,7,8-HXCDF	nd	0.628	1.884	—	0.1	—
1,2,3,4,6,7,8-HPCDF	nd	0.664	1.992	—	0.01	—
1,2,3,4,7,8,9-HPCDF	nd	0.664	1.992	—	0.01	—
OCDF	1.35	1.02	4.05	—	0.0003	—

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable

Table C-40. Dioxin/Furan TEQ Flux Calculations by Congener for Spike Blanks

AXYS Workgroup	WG38263	**Total Volume (mL)**	3000			
KC Sample ID	L54175-2	**Days**	28.21			
Collection Date	10/19/2011	**Funnel Area (m^2)**	—			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	68.2	0.478	204.6	—	1	—
1,2,3,7,8-PECDD	403	0.496	1209	—	1	—
1,2,3,4,7,8-HXCDD	448	0.659	1344	—	0.1	—
1,2,3,6,7,8-HXCDD	442	0.659	1326	—	0.1	—
1,2,3,7,8,9-HXCDD	454	0.659	1362	—	0.1	—
1,2,3,4,6,7,8-HPCDD	392	0.591	1176	—	0.01	—
OCDD	826	1.31	2478	—	0.0003	—
2,3,7,8-TCDF (225)[b]	76.3	1.26	228.9	—	0.1	—
1,2,3,7,8-PECDF	339	0.73	1017	—	0.03	—
2,3,4,7,8-PECDF	351	0.73	1053	—	0.3	—
1,2,3,4,7,8-HXCDF	380	1.28	1140	—	0.1	—
1,2,3,6,7,8-HXCDF	364	1.28	1092	—	0.1	—
1,2,3,7,8,9-HXCDF	439	1.28	1317	—	0.1	—
2,3,4,6,7,8-HXCDF	424	1.28	1272	—	0.1	—
1,2,3,4,6,7,8-HPCDF	405	1.1	1215	—	0.01	—
1,2,3,4,7,8,9-HPCDF	393	1.1	1179	—	0.01	—
OCDF	870	0.889	2610	—	0.0003	—
AXYS Workgroup	WG41164	**Total Volume (mL)**	3400			
KC Sample ID	L55530-7	**Days**	12.84			
Collection Date	5/2/2012	**Funnel Area (m^2)**	0.0366			
Compound	**Concentration (pg/L)**	**Sample Detection Limit (pg/L)**	**Total Mass (pg)[a]**	**Mass Flux (ng/m^2-day)[a]**	**TEF[c]**	**TEQ Flux (ng/m^2-day)[a]**
2,3,7,8-TCDD	59.4	0.517	201.96	0.43	1	4.30E-01
1,2,3,7,8-PECDD	308	1.39	1047.2	2.23	1	2.23E+00
1,2,3,4,7,8-HXCDD	283	1.25	962.2	2.05	0.1	2.05E-01
1,2,3,6,7,8-HXCDD	288	1.25	979.2	2.08	0.1	2.08E-01
1,2,3,7,8,9-HXCDD	266	1.25	904.4	1.92	0.1	1.92E-01
1,2,3,4,6,7,8-HPCDD	203	2.46	690.2	1.47	0.01	1.47E-02
OCDD	451	1.47	1533.4	3.26	0.0003	9.79E-04
2,3,7,8-TCDF (225)[b]	67.2	0.598	228.48	0.49	0.1	4.86E-02
1,2,3,7,8-PECDF	282	1.45	958.8	2.04	0.03	6.12E-02
2,3,4,7,8-PECDF	300	1.45	1020	2.17	0.3	6.51E-01
1,2,3,4,7,8-HXCDF	255	2.29	867	1.84	0.1	1.84E-01
1,2,3,6,7,8-HXCDF	246	2.29	836.4	1.78	0.1	1.78E-01
1,2,3,7,8,9-HXCDF	252	2.29	856.8	1.82	0.1	1.82E-01
2,3,4,6,7,8-HXCDF	264	2.29	897.6	1.91	0.1	1.91E-01
1,2,3,4,6,7,8-HPCDF	224	2.06	761.6	1.62	0.01	1.62E-02
1,2,3,4,7,8,9-HPCDF	199	2.06	676.6	1.44	0.01	1.44E-02
OCDF	414	0.484	1407.6	3.00	0.0003	8.99E-04

[a] For non-detects, the sample detection limit was used as the concentration value for TEQ flux calculations, except for K-flagged values, which were used as reported. See Appendix B2 for K-flagged values.

[b] The validation chemist accepted the most technically valid 2,3,7,8-TCDF result from dual chromatographic analysis. The parameter name 2,3,7,8-TCDF (225) indicates the reported concentration is from the confirmatory chromatographic column.

[c] TEF values are for mammaliam toxicity (Van den Berg, 2006).

nd: nondetect; —: not applicable