Table S2. Compilation of PBDD levels in biological samples (pg/g wet weight).

ND: Congener not detected at the specified limit of detection.

No.	Location	Species	DBDD				TrBDD				TeBDD						Total	Limits of detection		
			13	27/28	17	18	137	138	3U1	237	1368	1379	4U1	2378	4U2	4U3	PBDD	Di	Tri	Tetra
1	Stensjön	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
2	Holmön	Perch	ND	ND	ND	ND	ND	0.005	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.003	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.005	0.003	0.003
			ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND	ND	ND	ND	ND	0.004	0.002	0.003	0.003
			ND	ND	ND	ND	0.001	0.003	ND	ND	ND	ND	ND	ND	ND	ND	0.004	0.002	0.002	0.002
			ND	ND	ND	ND	ND	0.004	ND	ND	ND	ND	ND	ND	ND	ND	0.004	0.002	0.002	0.003
			ND	ND	ND	ND	0.002	0.008	ND	ND	ND	ND	ND	ND	ND	ND	0.010	0.002	0.002	0.002
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.002
		Max	ND	ND	ND	ND	0.002	0.008	ND	ND	ND	ND	ND	ND	ND	ND	0.010			
3	Harufjärden	Herring	ND	ND	ND	ND	0.006	0.017	ND	ND	ND	ND	ND	ND	ND	ND	0.023	0.007	0.006	0.008
			ND	ND	ND	ND	0.009	0.019	ND	ND	ND	ND	ND	ND	ND	ND	0.028	0.006	0.006	0.009
			ND	ND	ND	ND	0.007	0.017	ND	ND	ND	ND	ND	ND	ND	ND	0.024	0.009	0.006	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.007	0.007
			ND	ND	ND	ND	0.008	0.013	ND	ND	ND	ND	ND	ND	ND	ND	0.021	0.006	0.006	0.007
			ND	ND	ND	ND	0.004	0.013	ND	ND	ND	ND	ND	ND	ND	ND	0.017	0.006	0.006	0.005
			ND	ND	ND	ND	ND	0.014	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.008	0.007	0.008
			ND	ND	ND	ND	0.009	0.023	ND	ND	ND	ND	ND	ND	ND	ND	0.032	0.008	0.007	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.007
			ND	ND	ND	ND	0.010	0.012	ND	ND	ND	ND	ND	ND	ND	ND	0.022	0.007	0.006	0.008
			ND	ND	ND	ND	0.008	0.010	ND	ND	ND	ND	ND	ND	ND	ND	0.018	0.007	0.007	0.007
			ND	ND	ND	ND	ND	0.011	ND	ND	ND	ND	ND	ND	ND	ND	0.011	0.007	0.006	0.008
			ND	ND	ND	ND	0.008	0.008	ND	ND	ND	ND	ND	ND	ND	ND	0.017	0.007	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.005
		Max	ND	ND	ND	ND	0.010	0.023	ND	ND	ND	ND	ND	ND	ND	ND	0.032			
4	Öjaren	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	0.007	0.006
5	Storfjärden	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.012	0.007	0.005
6	Långvind	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	0.008	0.006
7	Bay of Gävle	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	0.008	0.006
8	Fågelsundet	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	0.008	0.006

9	Örsten	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.013	0.008	0.006
10	Finnbo	Perch	ND	ND	ND	ND	0.025	0.081	ND	ND	ND	ND	ND	ND	ND	ND	0.11	0.012	0.010	0.006
11	Hjälmaren	Eel	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.030	0.018	0.055
12	Mälaren	Eel	ND	ND	ND	ND	ND	ND	ND	ND	0.037	ND	ND	ND	ND	ND	0.037	0.039	0.019	0.050
13	Hjärtsjön	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.004
15	Kvadöfjärden	Perch	0.13	0.52	0.12	0.26	0.28	0.64	0.036	0.010	0.011	0.004	0.003	ND	ND	ND	2.0	0.004	0.004	0.003
			0.12	0.44	0.052	0.22	0.18	0.43	0.032	0.015	0.008	0.003	0.005	0.011	ND	ND	1.5	0.004	0.004	0.003
			0.110	0.36	0.062	0.19	0.28	0.63	0.028	0.016	0.021	0.008	0.004	0.010	ND	ND	1.7	0.002	0.003	0.003
			0.19	0.46	0.094	0.28	0.30	0.64	0.040	0.013	0.017	0.004	ND	0.009	ND	ND	2.0	0.004	0.004	0.003
			0.22	0.70	0.076	0.38	0.40	0.86	0.059	0.019	ND	ND	ND	ND	ND	ND	2.7	0.009	0.007	ND
			0.12	0.50	0.074	0.28	0.24	0.75	0.037	0.018	ND	ND	ND	ND	ND	ND	2.0	0.009	0.011	ND
			0.20	0.50	0.062	0.28	0.23	0.66	0.042	0.021	ND	ND	ND	ND	ND	ND	2.0	0.009	0.007	ND
			0.16	0.52	0.054	0.30	0.28	0.73	0.052	0.017	ND	ND	ND	ND	ND	ND	2.1	0.008	0.007	ND
		Mean	0.15	0.49	0.072	0.27	0.27	0.66	0.040	0.016	0.013	0.004	0.004	0.010	ND	ND	2.0	0.005	0.005	0.003
		Max	0.22	0.7	0.120	0.38	0.40	0.86	0.059	0.021	0.021	0.008	0.005	0.011	ND	ND	2.7			
		Min	0.11	0.36	0.052	0.192	0.18	0.43	0.028	0.0097	0.0083	0.003	0.0033	0.0092	ND	ND	1.5			
		Eel	0.62	2.4	0.25	0.92	2.5	11	0.63	ND	0.10	0.056	0.050	ND	ND	ND	19	0.020	0.018	0.045
		Mussels, 1995	8.4	66	8.0	13	370	580	30	22	0.13	0.19	2.6	ND	0.17	0.23	1100	0.099	0.065	0.056
		Mussels, 1996	32	230	25	46	1300	1900	110	76	0.31	0.58	12	ND	1.7	0.92	3700	0.16	0.10	0.061
		Mussels, 1996	32	240	26	44	1200	1700	100	74	0.42	0.68	14	ND	2.5	1.1	3400	0.12	0.090	0.075
		Mussels, 1996	33	270	28	50	1400	2000	110	80	0.30	0.68	13	ND	2.0	1.0	4000	0.13	0.091	0.077
		Mussels, 1996	21	160	17	30	820	1300	74	52	0.17	0.43	11	ND	1.1	0.73	2500	0.064	0.036	0.039
		Mussels, 1996	25	180	20	34	1000	1700	89	62	0.34	0.47	12	ND	1.5	0.87	3100	0.060	0.044	0.038
		Mussels, 1996	27	200	22	46	1000	1600	110	69	0.31	0.72	22	ND	3.4	1.4	3100	0.10	0.079	0.074
		Mussels, 2000	32	250	26	44	1400	2100	110	95	0.36	0.53	18	ND	2.8	1.3	4100	0.091	0.071	0.061
		Mussels, 2001	10	180	20	30	800	1300	78	72	0.57	0.44	17	ND	3.5	1.8	2500	0.47	0.45	0.36
		Mussels, 2002	13	270	20	41	1200	2200	83	110	0.45	0.78	16	ND	4.4	2.3	4000	0.14	0.11	0.086
		Mussels, 2003	20	210	17	38	1400	2500	100	120	0.56	0.77	23	ND	5.4	2.4	4400	0.15	0.09	0.078
16	Västervik	Eel	2.8	9.1	1.0	5.5	6.2	23	0.95	0.14	ND	ND	ND	ND	ND	ND	49	0.040	0.056	0.072
17	Marsö	Eel	1.2	4.6	0.41	1.6	9.6	28	1.3	ND	0.27	ND	1.4	ND	ND	ND	48	0.027	0.027	0.042
18	Valjeviken	Eel	1.5	7.1	0.45	3.7	12	48	1.8	0.18	0.15	ND	0.29	ND	ND	ND	75	0.021	0.020	0.042
19	Karlshamn	Eel	0.16	0.49	0.056	0.23	2.6	9.0	0.35	ND	ND	ND	ND	ND	ND	ND	13	0.035	0.031	0.051
20	Sturö	Eel	1.0	4.5	0.50	2.1	9.5	32	0.69	0.072	ND	ND	0.22	ND	ND	ND	51	0.025	0.022	0.043
21	Utlängan	Herring	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.002	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.005
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.005
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.005

	Utlängan, cont.		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.005	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.005	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.005	0.005
			ND	ND	ND	ND	0.008	0.013	ND	ND	ND	ND	ND	ND	ND	ND	0.021	0.007	0.007	0.007
			ND	ND	ND	ND	0.010	0.015	ND	ND	ND	ND	ND	ND	ND	ND	0.025	0.007	0.006	0.006
			ND	ND	ND	ND	ND	0.012	ND	ND	ND	ND	ND	ND	ND	ND	0.012	0.007	0.007	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.007	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.005	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.005	0.007
			ND	ND	ND	ND	0.008	0.010	ND	ND	ND	ND	ND	ND	ND	ND	0.018	0.007	0.006	0.009
			ND	ND	ND	ND	0.008	0.014	ND	ND	ND	ND	ND	ND	ND	ND	0.022	0.007	0.006	0.006
		Max	ND	ND	ND	ND	0.010	0.015	ND	ND	ND	ND	ND	ND	ND	ND	0.025			
22	Bysjön	Perch	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.002
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.002
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.003	0.002	0.003
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.002	0.003	0.003
23	Skagerack	Mussels	0.33	2.2	0.18	1.1	3.4	15	1.1	0.086	0.28	0.041	0.087	ND	ND	ND	24	0.013	0.008	0.009
24	Skagerack	Crabs	ND	2.4	ND	ND	4.7	1.3	0.53	0.52	0.19	ND	ND	ND	ND	ND	10	0.007	0.007	0.008
25	Skagerack	Shrimps	ND	0.24	0.006	ND	1.5	0.14	0.013	ND	0.007	0.021	ND	ND	ND	ND	1.9	0.003	0.002	0.003
26	Fladen	Herring	ND	ND	ND	ND	0.009	0.031	ND	ND	0.023	ND	ND	ND	ND	ND	0.063	0.007	0.007	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	0.020	ND	ND	ND	ND	ND	0.020	0.007	0.006	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	0.015	ND	ND	ND	ND	ND	0.015	0.006	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	0.010	ND	ND	ND	ND	ND	0.010	0.008	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	0.021	ND	ND	ND	ND	ND	0.021	0.005	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	0.020	ND	ND	ND	ND	ND	0.020	0.006	0.006	0.006
			ND	ND	ND	ND	ND	ND	ND	ND	0.026	ND	ND	ND	ND	ND	0.026	0.007	0.006	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.006	0.006	0.010
			ND	ND	ND	ND	0.006	0.007	ND	ND	ND	ND	ND	ND	ND	ND	0.014	0.008	0.002	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.007	0.006	0.009
			ND	ND	ND	ND	0.008	0.010	ND	ND	0.016	ND	ND	ND	ND	ND	0.034	0.006	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	0.009	ND	ND	ND	ND	ND	0.009	0.006	0.006	0.008
			ND	ND	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND	ND	ND	0.014	0.007	0.006	0.007
			ND	ND	ND	ND	ND	ND	ND	ND	0.014	ND	ND	ND	ND	ND	0.014	0.006	0.006	0.005
			ND	ND	ND	ND	ND	ND	ND	ND	0.017	ND	ND	ND	ND	ND	0.017	0.007	0.005	0.007
			ND	ND	ND	ND	ND	0.008	ND	ND	0.017	ND	ND	ND	ND	ND	0.025	0.006	0.005	0.006
		Max	ND	ND	ND	ND	0.009	0.031	ND	ND	0.026	ND	ND	ND	ND	ND	0.063			