

Supplementary Table 1. Distribution of serum PCDD, PCDF, and PCB concentrations and 1998 and 2005 WHO TEQs in pooled serum collected in 1976 from female residents of Zone non-ABR (n=9 pools; females, 0 to 40 years of age), Seveso, Italy.

Analyte	Average Detection Limit	% Detected	Concentration ^a (lipid-adj.) Median (range)	WHO 1998 TEF	1998 TEQ (pg/g lipid) Mean (range)	WHO 2005 TEF	2005 TEQ (pg/g lipid) Mean (range)
<i>PCDDs (pg/g lipid)</i>							
2378-TCDD	1.4	100.0	17.1 (8.7-47.6)	1	20.2 (8.7-47.6)	1	20.2 (8.7-47.6)
12378-PeCDD	1.6	88.9	6.7 (1.4-9.6)	1	6.7 (1.4-9.6)	1	6.7 (1.4-9.6)
123478-HxCDD	3.2	22.2	1.9 (1.2-6.6)	0.1	--- (---)	0.1	--- (---)
123678-HxCDD	1.8	100.0	25.7 (17.6-34.7)	0.1	2.7 (1.8-3.5)	0.1	2.7 (1.8-3.5)
123789-HxCDD	2.1	100.0	9.8 (8.1-12.6)	0.1	1.0 (0.8-1.3)	0.1	1.0 (0.8-1.3)
1234678-HpCDD	2.5	100.0	169.0 (91.0-271.0)	0.01	1.8 (0.9-2.7)	0.01	1.8 (0.9-2.7)
OCDD	31.6	100.0	1400.0 (808.0-2170)	0.0001	0.2 (0.1-0.2)	0.0003	0.4 (0.2-0.7)
<i>PCDFs (pg/g lipid)</i>							
2378-TCDF	1.4	33.3	1.1 (0.4-1.8)	0.1	--- (---)	0.1	--- (---)
12378-PeCDF	1.5	0.0	0.6 (0.4-1.5)	0.05	--- (---)	0.03	--- (---)
23478-PeCDF	1.5	100.0	27.0 (20.2-32.5)	0.5	13.3 (10.1-16.3)	0.3	8.0 (6.1-9.8)
123478-HxCDF	1.5	100.0	14.2 (9.8-18.0)	0.1	1.4 (1.0-1.8)	0.1	1.4 (1.0-1.8)
123678-HxCDF	1.3	88.9	12.1 (1.3-16.5)	0.1	1.1 (0.1-1.7)	0.1	1.1 (0.1-1.7)
123789-HxCDF	1.4	0.0	0.7 (0.5-1.3)	0.1	--- (---)	0.1	--- (---)
234678-HxCDF	1.4	66.7	4.1 (0.8-6.4)	0.1	0.3 (0.1-0.6)	0.1	0.3 (0.1-0.6)
1234678-HpCDF	2.8	66.7	25.8 (1.3-35.2)	0.01	0.2 (0.0-0.4)	0.01	0.2 (0.0-0.4)
1234789-HpCDF	2.8	0.0	1.3 (0.8-1.8)	0.01	--- (---)	0.01	--- (---)
OCDF	1.1	66.7	11.3 (8.3-13.9)	0.0001	0.0 (0.0-0.0)	0.0003	0.0 (0.0-0.0)
<i>Co-planar PCBs (pg/g lipid)</i>							
PCB 77	--	--	--	0.0001	--	0.0001	--
PCB 81	3.5	100.0	35.1 (23.3-69.6)	0.0001	0.0 (0.0-0.0)	0.0003	0.0 (0.0-0.0)
PCB 126	2.8	100.0	253.0 (208.0-373.0)	0.1	26.9 (20.8-37.3)	0.1	26.9 (20.8-37.3)

Supplementary Table 1 (continued).

Analyte	Average Detection Limit	% Detected	Concentration ^a (lipid-adj.) Median (range)	WHO 1998 TEF	1998 TEQ (pg/g lipid) Mean (range)	WHO 2005 TEF	2005 TEQ (pg/g lipid) Mean (range)
PCB 169	2.9	100.0	85.9 (53.5-101.0)	0.01	0.8 (0.5-1.0)	0.03	2.5 (1.6-3.0)
<i>Mono-ortho PCBs (ng/g lipid)</i>							
PCB 105	9.7	77.8	19.9 (16.3-46.4)	0.0001	2.3 (1.6-4.6)	0.00003	0.7 (0.5-1.4)
PCB 118	17.1	100.0	97.9 (84.0-173.0)	0.0001	11.3 (8.4-17.3)	0.00003	3.4 (2.5-5.2)
PCB 156	11.1	77.8	22.9 (16.5-31.5)	0.0005	11.4 (8.3-15.8)	0.00003	0.7 (0.5-0.9)
PCB 157	12.0	33.3	6.1 (3.8-8.0)	0.0005	--- (--)	0.00003	--- (--)
PCB 167	8.8	55.6	12.9 (9.6-16.3)	0.00001	0.1 (0.1-0.2)	0.00003	0.4 (0.3-0.5)
PCB 189	10.3	22.2	2.7 (1.8-3.1)	0.0001	--- (--)	0.00003	--- (--)
PCDD TEQ					32.5 (18.3-60.7)		32.8 (18.5-61.1)
PCDF TEQ					16.4 (12.7-20.5)		11.1 (8.5-14.0)
Co-planar PCB TEQ					27.8 (21.5-38.3)		29.5 (23.0-40.3)
Mono-ortho PCB TEQ					25.0 (19.0-37.9)		5.1 (3.8-8.0)
Total TEQ					101.6 (85.7-121.6)		78.4 (65.9-100.9)

^a Pools below LOD were assigned a value of ½ LOD.