Supplementary materials

Contamination status of pet cats in Thailand with organohalogen compounds (OHCs) and their hydroxylated and methoxylated derivatives and estimation of sources of exposure to these contaminants

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Table S1. Results on questionnaire for house dust sampling.

Sample name	Room	Area/m^2	Number of cleanings per week*	Electric appliance & Furniture												
				Flooring	Number of window	Ventilation frequency	Number of TV	Number of desktop PC	Number of air conditioner	Other electric appliances	Other electric appliancws	Number of sofa	Number of curtain	Number of Bed	Other furniture	Other furniture
TH-DUST-1	Living	3×3	3	Wooden floor	16	all times	1	-	-	Fan (3)		2	-	-		-
	Dining room	3×4	3	Stone	5	all times	-	-	-	Pot (1)	Rice cooker (1)	-	-	-		-
	Bed room	3×3	3	Wooden floor	8	2 times / day	-	-	-	Radio (1)		-	2	-		-
TH-DUST-4	Living	10×10	2	Stone	10	all times	1	-	-	Freezer (1)	-	-	-	-	Wood table (1)	Wood chair (6)
	Dining room	3×4	3	Stone	2	all times	-	-	-	Microwave oven (1), Cooker (1)	Pot (1)	-	-	-	Wood table (1)	Wood chair (4)
	Bed room	5×6	1	Stone	4	all times	1	2	1	Fan (2)	-	-	-	1	-	-
TH-DUST-5	Living	3×3	2	Stone	6	all times	1	-	-	-	-	-	-	1	-	-
	Dining room	2×3	2	Stone	4	all times	-	-	-	Pot (1), Oven (1)	Freezer (1)	-	-	-	Wood table (1)	Wood chair (2)
	Bed room	3×3	2	Wooden floor	8	all times	-	-	-	-	Fan (3)	-	-	1	-	-
TH-DUST-6	Living	10×5	1	Stone	Open	all times	1	1	-	Fan (1)	-	-	-	-	Wood table (1)	Wood chair (5)
	Dining room	3×3	1	Stone	Open	all times	-	-	-	Pot (1), Freezer (1)	Cooker (1)	-	-	-	Wood table (2)	Wood chair (8)
	Bed room	3.5×3.5	1	Wooden floor	8	all times	-	-	-	Fan (1)	-	-	-	1	-	-
TH-DUST-7	Living	6×6	2	Wooden floor	Open	all times	1	-	-	Fan (2)	-	-	-	-	Wood table (2)	Wood chair (10)
	Dining room	4×4	2	Stone	6	2	-	-	-	Cooker (1), Pot (1)	Oven (1), Freezer (1)	-	-	-	Wood table (1)	Wood chair (5)
	Bed room	3×3	2	Wooden floor	4	1	1	-	1	Fan (1)	-	-	-	1	-	-
TH-DUST-8	Living	2×2	3	Stone	3	1	1	-	-	Fan (1)	-	1	3	-	Wood table (1)	-
	Dining room	3×3	3	Stone	3	1	-	-	-	Pot (1)	Cooker (1)	-	-	-	Wood table (1)	-
	Bed room	2×3	1	Stone	3	1	-	-	-	Fan (1)	-	-	3	1	Wood wardrobe (1)	-
TH-DUST-13	Living	3×4	2	Wooden floor	2	1	-	1	1	-	-	-	-	-	Wood table (1)	Wood chair (1)
	Dining room	3×3	2	Wooden floor	3	1	-	-	-	Pot (1)	-	-	-	-	-	-
	Bed room	2×3	2	Wooden floor	1	1	-	-	-	Fan (1)	-	-	1	1	-	-

Table S2. Concentrations of PBDEs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.].

	Cat sera						Dry food						Wet food						House dust					
PBDEs	Mean	SD	Median	Range	DF [%]	MDL	Mean	SD	Median	Range	DF [%]	MDL	Mean	SD	Median	Range	DF [%]	MDL	Mean	SD	Median	Range	DF [%]	MDL
BDE47	4.2	11	<MDL	<MDL - 70	26	6.1	5.0	5.1	4.9	<MDL - 15	71	2.1	11	16	5.6	<MDL - 46	71	2.1	320	270	260	110 - 890	100	110
BDE49	<MDL	-	<MDL	<MDL	0	8.0	1.1	2.9	<MDL	<MDL - 7.7	14	3.3	<MDL	-	<MDL	<MDL	0	3.3	<MDL	-	<MDL	<MDL	0	110
BDE71	<MDL	-	<MDL	<MDL	0	9.7	<MDL	-	<MDL	<MDL	0	4.2	5.9	16	<MDL	<MDL - 41	14	4.2	<MDL	-	<MDL	<MDL	0	200
BDE66	<MDL	-	<MDL	<MDL	0	13	<MDL	-	<MDL	<MDL	0	6.8	<MDL	-	<MDL	<MDL	0	6.8	<MDL	-	<MDL	<MDL	0	130
BDE77	<MDL	-	<MDL	<MDL	0	13	<MDL	-	<MDL	<MDL	0	3.9	<MDL	-	<MDL	<MDL	0	3.9	<MDL	-	<MDL	<MDL	0	290
BDE100	0.25	1.6	<MDL	<MDL - 10	2.6	8.6	1.1	1.8	<MDL	<MDL - 3.9	29	3.1	4.7	9.1	<MDL	<MDL - 25	43	3.1	41	110	<MDL	<MDL - 290	14	150
BDE99	5.4	16	<MDL	<MDL - 95	21	11	2.8	4.9	<MDL	<MDL - 12	29	4.4	1.6	4.3	<MDL	<MDL - 11	14	4.4	410	450	210	130 - 1400	100	120
BDE119	<MDL	-	<MDL	<MDL	0	17	<MDL	-	<MDL	<MDL	0	2.6	<MDL	-	<MDL	<MDL	0	2.6	<MDL	-	<MDL	<MDL	0	200
BDE85	<MDL	-	<MDL	<MDL	0	16	<MDL	-	<MDL	<MDL	0	5.0	<MDL	-	<MDL	<MDL	0	5.0	<MDL	-	<MDL	<MDL	0	100
BDE126	<MDL	-	<MDL	<MDL	0	18	<MDL	-	<MDL	<MDL	0	6.5	<MDL	-	<MDL	<MDL	0	6.5	<MDL	-	<MDL	<MDL	0	200
BDE154	0.53	3.4	<MDL	<MDL - 22	2.6	17	<MDL	-	<MDL	<MDL	0	4.6	<MDL	-	<MDL	<MDL	0	4.6	<MDL	-	<MDL	<MDL	0	150
BDE153	3.9	18	<MDL	<MDL - 110	5.1	16	<MDL	-	<MDL	<MDL	0	2.4	<MDL	-	<MDL	<MDL	0	2.4	62	160	<MDL	<MDL - 430	14	390
BDE139	<MDL	-	<MDL	<MDL	0	17	<MDL	-	<MDL	<MDL	0	7.5	<MDL	-	<MDL	<MDL	0	7.5	<MDL	-	<MDL	<MDL	0	290
BDE140	<MDL	-	<MDL	<MDL	0	23	<MDL	-	<MDL	<MDL	0	4.2	<MDL	-	<MDL	<MDL	0	4.2	<MDL	-	<MDL	<MDL	0	220
BDE138	<MDL	-	<MDL	<MDL	0	43	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	690
BDE169	<MDL	-	<MDL	<MDL	0	43	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	690
BDE183	11	61	<MDL	<MDL - 390	5.1	18	9.0	9.7	12	<MDL - 26	57	8.9	<MDL	-	<MDL	<MDL	0	8.9	480	490	640	<MDL - 1300	57	170
BDE184	<MDL	-	<MDL	<MDL	0	18	<MDL	-	<MDL	<MDL	0	6.8	<MDL	-	<MDL	<MDL	0	6.8	<MDL	-	<MDL	<MDL	0	530
BDE180	<MDL	-	<MDL	<MDL	0	39	<MDL	-	<MDL	<MDL	0	11	<MDL	-	<MDL	<MDL	0	11	<MDL	-	<MDL	<MDL	0	550
BDE171	<MDL	-	<MDL	<MDL	0	19	<MDL	-	<MDL	<MDL	0	5.2	<MDL	-	<MDL	<MDL	0	5.2	<MDL	-	<MDL	<MDL	0	820
BDE191	<MDL	-	<MDL	<MDL	0	30	<MDL	-	<MDL	<MDL	0	22	<MDL	-	<MDL	<MDL	0	22	<MDL	-	<MDL	<MDL	0	670
BDE197+204	11	27	<MDL	<MDL - 130	31	8.4	9.6	21	<MDL	<MDL - 57	29	5.2	<MDL	-	<MDL	<MDL	0	5.2	290	240	350	<MDL - 650	71	86
BDE196	9.2	31	<MDL	<MDL - 170	13	26	19	50	<MDL	<MDL - 130	14	17	<MDL	-	<MDL	<MDL	0	17	710	590	890	<MDL - 1400	71	270
BDE201	17	38	<MDL	<MDL - 150	46	8.7	11	28	<MDL	<MDL - 75	14	13	<MDL	-	<MDL	<MDL	0	13	300	420	<MDL	<MDL - 1100	43	430
BDE203	12	48	<MDL	<MDL - 270	10	23	34	89	<MDL	<MDL - 240	14	18	<MDL	-	<MDL	<MDL	0	18	930	980	1000	<MDL - 2500	57	610
BDE205	0.82	5.2	<MDL	<MDL - 33	2.6	29	<MDL	-	<MDL	<MDL	0	6.7	<MDL	-	<MDL	<MDL	0	6.7	<MDL	-	<MDL	<MDL	0	460
BDE206	90	370	<MDL	<MDL - 2000	13	66	200	530	<MDL	<MDL - 1400	14	25	<MDL	-	<MDL	<MDL	0	25	15000	14000	14000	<MDL - 40000	86	2000
BDE207	250	810	74	<MDL - 4500	79	36	250	650	<MDL	<MDL - 1700	14	30	<MDL	-	<MDL	<MDL	0	30	11000	7000	10000	2000 - 22000	100	680
BDE208	180	630	<MDL	<MDL - 3900	44	47	160	430	<MDL	<MDL - 1100	14	24	<MDL	-	<MDL	<MDL	0	24	5400	3900	6600	<MDL - 11000	86	1600
BDE209	1900	6800	350	<MDL - 37000	79	67	4700	12000	330	180 - 31000	100	15	19	33	<MDL	<MDL - 69	29	15	240000	200000	200000	21000 - 520000	100	5600

ΣPBDEs	2500	8600	490	<MDL - 48000	100		5400	13000	350	200 - 36000	100		42	70	12	<MDL - 190	71		270000	230000	240000	26000 - 590000	100

Table S3. Concentrations of PCBs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.].

	Cat sera						Dry food						Wet food						House dust					
PCBs	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL
CB-19	<MDL	-	<MDL	<MDL	0	9.0	<MDL	-	<MDL	<MDL	0	4.1	<MDL	-	<MDL	<MDL	0	4.1	<MDL	-	<MDL	<MDL	0	440
CB-18	<MDL	-	<MDL	<MDL	0	13	2.5	6.5	<MDL	<MDL - 17	14	6.1	4.8	13	<MDL	<MDL - 33	14	6.1	<MDL	-	<MDL	<MDL	0	300
CB-28	1.2	3.9	<MDL	<MDL - 17	10	9.2	19	21	14	<MDL - 56	57	8.3	7.6	20	<MDL	<MDL - 53	14	8.3	<MDL	-	<MDL	<MDL	0	320
CB-33	<MDL	-	<MDL	<MDL	0	9.4	4.5	8.0	<MDL	<MDL - 20	29	3.4	2.4	6.5	<MDL	<MDL - 17	14	3.4	<MDL	-	<MDL	<MDL	0	170
CB-22	<MDL	-	<MDL	<MDL	0	8.7	<MDL	-	<MDL	<MDL	0	5.3	<MDL	-	<MDL	<MDL	0	5.3	<MDL	-	<MDL	<MDL	0	190
CB-37	<MDL	-	<MDL	<MDL	0	13	<MDL	-	<MDL	<MDL	0	9.3	<MDL	-	<MDL	<MDL	0	9.3	<MDL	-	<MDL	<MDL	0	290
CB-54	<MDL	-	<MDL	<MDL	0	7.1	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	250
CB-52	0.57	2.6	<MDL	<MDL - 12	5.1	9.5	<MDL	-	<MDL	<MDL	0	7.9	7.3	19	<MDL	<MDL - 51	14	7.9	29	76	<MDL	<MDL - 200	14	170
CB-49	<MDL	-	<MDL	<MDL	0	12	<MDL	-	<MDL	<MDL	0	8.8	3.6	10	<MDL	<MDL - 25	14	8.8	<MDL	-	<MDL	<MDL	0	140
CB-44	<MDL	-	<MDL	<MDL	0	9.7	<MDL	-	<MDL	<MDL	0	5.4	<MDL	-	<MDL	<MDL	0	5.4	<MDL	-	<MDL	<MDL	0	210
CB-74	0.28	1.8	<MDL	<MDL - 11	2.6	7.4	1.5	4.0	<MDL	<MDL - 11	14	6.4	4.2	11	<MDL	<MDL - 29	14	6.4	<MDL	-	<MDL	<MDL	0	150
CB-70	0.24	1.6	<MDL	<MDL - 10	2.6	4.6	1.6	4.1	<MDL	<MDL - 11	14	6.0	7.4	20	<MDL	<MDL - 52	14	6.0	<MDL	-	<MDL	<MDL	0	330
CB-81	<MDL	-	<MDL	<MDL	0	4.5	<MDL	-	<MDL	<MDL	0	4.2	<MDL	-	<MDL	<MDL	0	4.2	<MDL	-	<MDL	<MDL	0	220
CB-77	<MDL	-	<MDL	<MDL	0	5.9	<MDL	-	<MDL	<MDL	0	3.8	<MDL	-	<MDL	<MDL	0	3.8	<MDL	-	<MDL	<MDL	0	230
CB-104	<MDL	-	<MDL	<MDL	0	4.3	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	47
CB-95	<MDL	-	<MDL	<MDL	0	5.7	1.3	3.4	<MDL	<MDL - 9.1	14	4.1	9.5	25	<MDL	<MDL - 67	14	4.1	<MDL	-	<MDL	<MDL	0	140
CB-101	2.2	9.8	<MDL	<MDL - 61	10	2.1	5.8	5.7	6.8	<MDL - 12	57	4.2	25	56	<MDL	<MDL - 150	29	4.2	86	230	<MDL	<MDL - 600	14	170
CB-99	2.0	10	<MDL	<MDL - 65	7.7	5.4	4.8	4.8	6.2	<MDL - 11	57	4.1	16.0	31	<MDL	<MDL - 79	43	4.1	<MDL	-	<MDL	<MDL	0	92
CB-119	0.16	1.0	<MDL	<MDL - 6.5	2.6	2.6	<MDL	-	<MDL	<MDL	0	5.0	<MDL	-	<MDL	<MDL	0	5.0	<MDL	-	<MDL	<MDL	0	54
CB-87	<MDL	-	<MDL	<MDL	0	4.3	<MDL	-	<MDL	<MDL	0	3.0	7.2	19	<MDL	<MDL - 50	14	3.0	<MDL	-	<MDL	<MDL	0	76
CB-110	0.24	1.1	<MDL	<MDL - 5.5	5.1	3.4	2.4	3.1	<MDL	<MDL - 7.2	43	2.2	11	23	<MDL	<MDL - 62	43	2.2	<MDL	-	<MDL	<MDL	0	100
CB-123	<MDL	-	<MDL	<MDL	0	6.2	<MDL	-	<MDL	<MDL	0	6.4	3.6	10	<MDL	<MDL - 25	14	6.4	<MDL	-	<MDL	<MDL	0	110
CB-118	1.8	9.7	<MDL	<MDL - 61	5.1	7.8	8.8	5.4	8.4	<MDL - 18	86	6.8	24	56	<MDL	<MDL - 150	43	6.8	<MDL	-	<MDL	<MDL	0	46
CB-114	<MDL	-	<MDL	<MDL	0	9.5	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	180
CB-105	0.31	2.0	<MDL	<MDL - 13	2.6	4.3	0.72	1.9	<MDL	<MDL - 5.0	29	4.8	6.1	16	<MDL	<MDL - 43	14	4.8	<MDL	-	<MDL	<MDL	0	100
CB-126	<MDL	-	<MDL	<MDL	0	5.5	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	89
CB-155	0.44	2.8	<MDL	<MDL - 18	2.6	3.8	<MDL	-	<MDL	<MDL	0	3.6	1.7	4.4	<MDL	<MDL - 12	14	3.6	<MDL	-	<MDL	<MDL	0	110
CB-151	0.76	4.9	<MDL	<MDL - 31	2.6	6.1	<MDL	-	<MDL	<MDL	0	4.3	8.3	22	<MDL	<MDL - 58	14	4.3	<MDL	-	<MDL	<MDL	0	160
CB-149	2.3	9.8	<MDL	<MDL - 61	10	3.0	<MDL	-	<MDL	<MDL	0	2.1	30	61	<MDL	<MDL - 160	29	2.1	<MDL	-	<MDL	<MDL	0	170
CB-153	19	53	8.0	<MDL - 340	51	5.7	26	7.8	24	20 - 43	100	5.6	78	120	12	<MDL - 310	71	5.6	<MDL	-	<MDL	<MDL	0	170
CB-168	<MDL	-	<MDL	<MDL	0	3.9	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	96
CB-138	14	39	3.7	<MDL - 250	49	3.5	20	5.7	19	15 - 32	100	3.5	52	87	9.1	<MDL - 240	71	3.5	<MDL	-	<MDL	<MDL	0	130
CB-158	0.35	2.3	<MDL	<MDL - 15	2.6	5.0	<MDL	-	<MDL	<MDL	0	3.0	2.0	5.3	<MDL	<MDL - 14	14	3.0	<MDL	-	<MDL	<MDL	0	110
CB-128	0.68	4.4	<MDL	<MDL - 28	2.6	4.3	<MDL	-	<MDL	<MDL	0	10	8.5	23	<MDL	<MDL - 60	14	10	<MDL	-	<MDL	<MDL	0	120

Table S3. Concentrations of PCBs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.] (Continued)

	Cat sera						Dry food						Wet food						House dust					
PCBs	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL
CB-167	0.20	1.2	<MDL	<MDL - 8.0	2.6	4.5	<MDL	-	<MDL	<MDL	0	6.6	3.4	9.1	<MDL	<MDL - 24	14	6.6	<MDL	-	<MDL	<MDL	0	200
CB-156	0.39	2.5	<MDL	<MDL - 16	2.6	4.6	<MDL	-	<MDL	<MDL	14	3.5	2.0	5.4	<MDL	<MDL - 14	14	3.5	<MDL	-	<MDL	<MDL	0	150
CB-157	0.17	1.1	<MDL	<MDL - 7.0	2.6	4.6	<MDL	-	<MDL	<MDL	0	5.9	<MDL	-	<MDL	<MDL	0	5.9	<MDL	-	<MDL	<MDL	0	140
CB-169	<MDL	-	<MDL	<MDL	0	4.6	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	240
CB-188	<MDL	-	<MDL	<MDL	0	4.4	<MDL	-	<MDL	<MDL	0	5.4	<MDL	-	<MDL	<MDL	0	5.4	<MDL	-	<MDL	<MDL	0	76
CB-178	0.58	3.7	<MDL	<MDL - 24	2.6	5.2	<MDL	-	<MDL	<MDL	0	5.3	2.3	6.1	<MDL	<MDL - 16	14	5.3	<MDL	-	<MDL	<MDL	0	120
CB-187	2.5	16	<MDL	<MDL - 100	2.6	24	<MDL	-	<MDL	<MDL	71	11	27	41	<MDL	<MDL - 96	57	11	<MDL	-	<MDL	<MDL	0	110
CB-183	1.1	6.9	<MDL	<MDL - 44	2.6	18	<MDL	-	<MDL	<MDL	14	7.7	4.2	11	<MDL	<MDL - 29	14	7.7	<MDL	-	<MDL	<MDL	0	76
CB-177	0.72	4.6	<MDL	<MDL - 29	2.6	4.5	<MDL	-	<MDL	<MDL	14	3.9	3.6	9.4	<MDL	<MDL - 25	14	3.9	<MDL	-	<MDL	<MDL	0	140
CB-171	0.28	1.8	<MDL	<MDL - 11	2.6	4.7	<MDL	-	<MDL	<MDL	0	4.1	1.2	3.2	<MDL	<MDL - 8.5	14	4.1	<MDL	-	<MDL	<MDL	0	120
CB-180	6.4	24	<MDL	<MDL - 150	23	2.7	13	3.3	11	10 - 20	100	3.7	25	31	11.0	<MDL - 81	86	3.7	<MDL	-	<MDL	<MDL	0	120
CB-191	<MDL	-	<MDL	<MDL	0	4.8	<MDL	-	<MDL	<MDL	0	4.3	<MDL	-	<MDL	<MDL	0	4.3	<MDL	-	<MDL	<MDL	0	73
CB-170	1.5	8.5	<MDL	<MDL - 55	5.1	2.3	0.67	1.8	<MDL	<MDL - 4.7	29	4.4	6.2	11	<MDL	<MDL - 27	29	4.4	<MDL	-	<MDL	<MDL	0	120
CB-189	0.18	1.1	<MDL	<MDL - 7.2	2.6	3.8	<MDL	-	<MDL	<MDL	0	5.5	<MDL	-	<MDL	<MDL	0	5.5	<MDL	-	<MDL	<MDL	0	200
CB-202	0.30	1.9	<MDL	<MDL - 12	2.6	6.0	<MDL	-	<MDL	<MDL	0	4.7	1.7	2.9	<MDL	<MDL - 6.2	29	4.7	<MDL	-	<MDL	<MDL	0	160
CB-201	0.14	0.90	<MDL	<MDL - 5.8	2.6	2.7	<MDL	-	<MDL	<MDL	0	7.1	<MDL	-	<MDL	<MDL	14	7.1	<MDL	-	<MDL	<MDL	0	140
CB-199	0.70	4.5	<MDL	<MDL - 29	2.6	5.8	<MDL	-	<MDL	<MDL	14	6.2	3.2	6.0	<MDL	<MDL - 16	29	6.2	<MDL	-	<MDL	<MDL	0	200
CB-194	0.86	5.5	<MDL	<MDL - 35	2.6	7.2	<MDL	-	<MDL	<MDL	29	4.5	3.2	5.6	<MDL	<MDL - 14	29	4.5	<MDL	-	<MDL	<MDL	0	160
CB-205	<MDL	-	<MDL	<MDL	0	5.0	<MDL	-	<MDL	<MDL	0	4.6	<MDL	-	<MDL	<MDL	0	4.6	<MDL	-	<MDL	<MDL	0	140
CB-208	0.087	0.56	<MDL	<MDL - 3.6	2.6	3.4	<MDL	-	<MDL	<MDL	0	2.6	<MDL	-	<MDL	<MDL	0	2.6	<MDL	-	<MDL	<MDL	0	100
CB-206	0.21	1.3	<MDL	<MDL - 8.5	2.6	4.6	<MDL	-	<MDL	<MDL	0	2.2	<MDL	-	<MDL	<MDL	0	2.2	<MDL	-	<MDL	<MDL	0	110
CB-209	0.21	1.3	<MDL	<MDL - 8.4	2.6	6.7	<MDL	-	<MDL	<MDL	0	5.5	1.5	3.9	<MDL	<MDL - 10	14	5.5	<MDL	-	<MDL	<MDL	0	47
ΣPCBs	63	240	18	<MDL - 1500	74		110	53	120	59 - 210	100		410	780	31	<MDL - 2100	86		110	230	<MDL	<MDL - 600	29	

Table S4. Concentrations of OH-PCBs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.]

	Cat sera						Dry food						Wet food						House dust					
OH-PCBs	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL
4'OH-CB18	21	49	<MDL	<MDL - 310	51	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
4'OH-CB35	<MDL	-	<MDL	<MDL	0	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
3'OH-CB31	6.9	44	<MDL	<MDL - 280	2.6	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
3OH-CB25	<MDL	-	<MDL	<MDL	0	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
4'OH-CB20	<MDL	-	<MDL	<MDL	0	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
3'OH-CB28	<MDL	-	<MDL	<MDL	0	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
4OH-CB26	<MDL	-	<MDL	<MDL	0	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
4'OH-CB25/26/4OH-CB31	16	42	7	<MDL - 270	82	1.3	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	16
3'OH-CB74	<MDL	-	<MDL	<MDL	0	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
4'OH-CB72	18	15	14	<MDL - 53	82	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
3'OH-CB53	<MDL	-	<MDL	<MDL	0	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
4'OH-CB65	<MDL	-	<MDL	<MDL	0	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
4'OH-CB61	3.2	6.5	<MDL	<MDL - 31	28	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
4'OH-CB79	<MDL	-	<MDL	<MDL	0	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
4OH-CB63	0.18	1.2	<MDL	<MDL - 7.6	2.6	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
3OH-CB66	<MDL	-	<MDL	<MDL	0	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
4OH-CB70	14	14	12	<MDL - 52	69	5.7	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	1.0	<MDL	-	<MDL	<MDL	0	150
2OH-CB114	1.3	8.6	<MDL	<MDL - 55	2.6	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB97	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB127	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
3OH-CB118	5.7	21	<MDL	<MDL - 130	10	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	14	36	<MDL	<MDL - 95	14	21
4'OH-CB106	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
2OH-CB101	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB121	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
3OH-CB101	0.51	3.3	<MDL	<MDL - 21	2.6	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB107	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB108	<MDL	-	<MDL	<MDL	0	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB120	0.48	3.1	<MDL	<MDL - 20	2.6	15	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB101	4.4	13	<MDL	<MDL - 79	21	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	21
4OH-CB146	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB130	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60

4OH-CB159	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB162	2.3	3.9	<MDL	<MDL - 14	31	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB134	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60

Table S4. Concentrations of OH-PCBs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.] (Continued)

	Cat sera						**Dry food**						**Wet food**						**House dust**					
OH-PCBs	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL
3OH-CB138	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB163	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB165	0.29	1.9	<MDL	<MDL - 12	2.6	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
3OH-CB153	0.24	1.5	<MDL	<MDL - 9.7	2.6	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
5OH-CB138	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
3OH-CB184	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB187	1.1	7.2	<MDL	<MDL - 46	2.6	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
3OH-CB180	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB172	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB193	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB178	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB177	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
5OH-CB183	0.72	4.6	<MDL	<MDL - 29	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
3'OH-CB182/3OH-CB183	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB202	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB199	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB201	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB200	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
3OH-CB203	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
4OH-CB198	<MDL	-	<MDL	<MDL	0	4.0	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	1.8	<MDL	-	<MDL	<MDL	0	60
ΣOH-PCBs	97	150	59	1.9 - 1000	100		<MDL	-	<MDL	<MDL	0		<MDL	-	<MDL	<MDL	0		14	36	<MDL	<MDL - 95	14	

Table S5. Concentrations of OH-PBDEs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.]

	Cat sera						Dry food						Wet food						House dust					
OH-PBDEs	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL
2'OH-BDE28	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	18
3'OH-BDE28	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	18
4'OH-BDE17	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	18
6'OH-BDE49	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	18
2'OH-BDE68	26	41	16	<MDL - 190	74	3.4	<MDL	-	<MDL	<MDL	0	25	17	46	<MDL	<MDL - 120	14	25	<MDL	-	<MDL	<MDL	0	18
6OH-BDE47	84	82	55	9.9 - 370	100	3.4	<MDL	-	<MDL	<MDL	0	8.2	6.7	13	<MDL	<MDL - 35	29	8.2	<MDL	-	<MDL	<MDL	0	12
3OH-BDE47	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
5OH-BDE47	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
4OH-BDE49	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
4'OH-BDE42	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
5'OH-BDE100	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
4'OH-BDE103	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
6OH-BDE99	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
5'OH-BDE99	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
4OH-BDE90	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
4'OH-BDE101	<MDL	-	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	12
ΣOH-PBDEs	110	100	77	9.9 - 440	100		<MDL	-	<MDL	<MDL	0		24	59	<MDL	<MDL - 160	29		<MDL	-	<MDL	<MDL	0	

Table S6. Concentrations of MeO-PBDEs in cat sera [pg mL^{-1}], dry and wet cat food [pg g^{-1} wet wt.] and house dust [pg g^{-1} dry wt.]

	Cat sera						Dry food						Wet food						House dust					
MeO-PBDEs	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL	Mean	SD	Median	Range	DF (%)	MDL
2'MeO-BDE28	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	290
3'MeO-BDE28	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	290
4'MeO-BDE17	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	290
6'MeO-BDE49	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	25	<MDL	-	<MDL	<MDL	0	290
2'MeO-BDE68	22	29	14	<MDL - 130	59	3.4	<MDL	-	<MDL	<MDL	0	25	490	1000	71	<MDL - 2800	71	25	<MDL	-	<MDL	<MDL	0	290
6MeO-BDE47	27	68	<MDL	<MDL - 380	28	3.4	12	12	18	<MDL - 25	57	8.2	83	160	17	<MDL - 420	57	8.2	<MDL	-	<MDL	<MDL	0	98
3MeO-BDE47	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
5MeO-BDE47	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
4MeO-BDE49	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
4'MeO-BDE42	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
5'MeO-BDE100	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
4'MeO-BDE103	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
6MeO-BDE99	0.30	1.9	<MDL	<MDL - 12	2.6	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
5'MeO-BDE99	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
4MeO-BDE90	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
4'MeO-BDE101	<MDL	<MDL	<MDL	<MDL	0	3.4	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	8.2	<MDL	-	<MDL	<MDL	0	98
ΣMeO-PBDEs	49	82	19	<MDL - 460	62		12	12	18	<MDL - 25	57		520	1200	<MDL	<MDL - 3300	29		<MDL	-	<MDL	<MDL	0	

Table S7. Lipid-based concentrations (ng g^{-1}) of OHCs in cat serum (n = 26)

Compound	Median (Range)	DF (%)
BDE-47	<MDL (<MDL-47)	38
BDE-99	<MDL (<MDL-64)	33
BDE-209	170 (<MDL-16000)	92
ΣPBDEs	**230 (<MDL-21000)**	**96**
CB-153	3.7 (<MDL-230)	58
CB-138	1.3 (<MDL-170)	50
ΣPCBs	**10 (<MDL-1000)**	**79**
4'-OH-CB-25/26/4-OH-CB-31	3 (<MDL-150)	88
4'-OH-CB-72	5.8 (<MDL-38)	88
ΣOH-PCBs	**23 (0.79-550)**	**100**
2'-OH-BDE-68	7.7 (<MDL-120)	83
6-OH-BDE-47	22 (4.3-160)	100
ΣOH-PBDEs	**27 (7.8-270)**	**100**
2'-MeO-BDE-68	6.8 (<MDL-87)	79
6-MeO-BDE-47	<MDL (<MDL-160)	46
ΣMeO-PBDEs	**12 (<MDL-190)**	**79**

Table S8. Correlations between the concentrations [wet wt. base] of OHCs in cat sera and the results of questionnaires

		PBDEs	BDE-47	BDE-99	BDE-209	PCBs	OH-PCBs	OH-PBDEs	MeO-PBDEs	Age [year]	Weight [kg]	Ratio A	Ratio B
PBDEs	Correlation coefficient		0.096	0.268	**0.850**	-0.057	0.118	0.196	0.093	-0.045	-0.129	-0.007	0.109
	p-value		0.549	0.090	**0.000**	0.726	0.459	0.219	0.563	0.782	0.421	0.967	0.496
BDE-47	Correlation coefficient	0.096		**0.717**	0.134	**0.717**	0.303	0.278	0.305	**0.357**	0.030	-0.060	0.194
	p-value	0.549		**0.000**	0.405	**0.000**	0.054	0.078	0.053	**0.022**	0.853	0.710	0.224
BDE-99	Correlation coefficient	0.268	**0.717**		0.285	**0.530**	**0.326**	0.170	0.126	0.213	-0.109	0.072	-0.099
	p-value	0.090	**0.000**		0.071	**0.000**	**0.038**	0.287	0.434	0.181	0.496	0.655	0.540
BDE-209	Correlation coefficient	**0.850**	0.134	0.285		-0.089	0.047	0.291	0.257	0.070	-0.069	0.009	0.139
	p-value	**0.000**	0.405	0.071		0.580	0.769	0.065	0.105	0.666	0.668	0.956	0.385
PCBs	Correlation coefficient	-0.057	**0.717**	**0.530**	-0.089		**0.337**	0.190	**0.331**	**0.352**	0.026	-0.036	0.022
	p-value	0.726	**0.000**	**0.000**	0.580		**0.031**	0.233	**0.035**	**0.024**	0.873	0.822	0.892
OH-PCBs	Correlation coefficient	0.118	0.303	**0.326**	0.047	**0.337**		**0.333**	-0.055	0.286	-0.054	-0.212	0.146
	p-value	0.459	0.054	**0.038**	0.769	**0.031**		**0.034**	0.733	0.070	0.739	0.184	0.363
OH-PBDEs	Correlation coefficient	0.196	0.278	0.170	0.291	0.190	**0.333**		**0.364**	0.120	0.114	-0.280	0.252
	p-value	0.219	0.078	0.287	0.065	0.233	**0.034**		**0.019**	0.456	0.476	0.076	0.112
MeO-PBDEs	Correlation coefficient	0.093	0.305	0.126	0.257	**0.331**	-0.055	**0.364**		0.123	**0.317**	0.052	0.109
	p-value	0.563	0.053	0.434	0.105	**0.035**	0.733	**0.019**		0.443	**0.043**	0.745	0.499
Age [year]	Correlation coefficient	-0.045	**0.357**	0.213	0.070	**0.352**	0.286	0.120	0.123		**0.453**	-0.185	**0.457**
	p-value	0.782	**0.022**	0.181	0.666	**0.024**	0.070	0.456	0.443		**0.003**	0.248	**0.003**
Weight [kg]	Correlation coefficient	-0.129	0.030	-0.109	-0.069	0.026	-0.054	0.114	**0.317**	**0.453**		-0.129	**0.364**
	p-value	0.421	0.853	0.496	0.668	0.873	0.739	0.476	**0.043**	**0.003**		0.420	**0.019**
Ratio A*	Correlation coefficient	-0.007	-0.060	0.072	0.009	-0.036	-0.212	-0.280	0.052	-0.185	-0.129		**-0.749**
	p-value	0.967	0.710	0.655	0.956	0.822	0.184	0.076	0.745	0.248	0.420		**0.000**
Ratio B**	Correlation coefficient	0.109	0.194	-0.099	0.139	0.022	0.146	0.252	0.109	**0.457**	**0.364**	**-0.749**	
	p-value	0.496	0.224	0.540	0.385	0.892	0.363	0.112	0.499	**0.003**	**0.019**	**0.000**	

*Ratio A was calculated by weekly feed number of times of dry food divided by total feed number of times.

**Ratio B was calculated by weekly feed number of times of wet food divided by total feed number of times.

Table S9. Correlations between the concentrations [lipid wt. base] of OHCs in cat sera and the results of questionnaires*

		PBDEs	BDE-47	BDE-99	BDE-209	PCBs	OH-PCBs	OH-PBDEs	MeO-PBDEs	Age [year]	Weight [kg]	Lipid	Ratio A	Ratio B
PBDEs	Correlation coefficient		0.301	0.305	0.201	-0.045	0.356	**0.481**	0.128	-0.263	**-0.459**	**-0.456**	-0.081	-0.126
	p-value		0.153	0.148	0.347	0.836	0.089	0.018	0.550	0.214	**0.025**	0.026	0.707	0.557
BDE-47	Correlation coefficient	0.301		**0.767**	0.061	0.158	0.301	0.164	0.108	0.059	-0.210	-0.201	0.166	-0.208
	p-value	0.153		**0.000**	0.777	0.462	0.153	0.444	0.614	0.785	0.325	0.346	0.439	0.329
BDE-99	Correlation coefficient	0.305	**0.767**		0.320	0.069	0.389	0.227	0.179	0.187	-0.060	**-0.411**	0.203	-0.079
	p-value	0.148	**0.000**		0.128	0.748	0.060	0.286	0.403	0.383	0.782	**0.046**	0.342	0.713
BDE-209	Correlation coefficient	0.201	0.061	0.320		-0.080	**0.463**	0.144	-0.166	0.127	-0.044	**-0.564**	0.013	-0.021
	p-value	0.347	0.777	0.128		0.709	**0.023**	0.502	0.438	0.553	0.839	**0.004**	0.952	0.921
PCBs	Correlation coefficient	-0.045	0.158	0.069	-0.080		**0.400**	0.240	0.165	0.209	-0.002	-0.122	-0.390	-0.174
	p-value	0.836	0.462	0.748	0.709		0.053	0.258	0.441	0.327	0.994	0.569	0.060	0.416
OH-PCBs	Correlation coefficient	0.356	0.301	0.389	**0.463**	**0.400**		**0.569**	0.029	0.209	-0.386	**-0.657**	**-0.460**	-0.013
	p-value	0.089	0.153	0.060	**0.023**	**0.053**		**0.004**	0.894	0.326	0.063	**0.001**	**0.024**	0.953
OH-PBDEs	Correlation coefficient	**0.481**	0.164	0.227	0.144	0.240	**0.569**		0.324	0.164	-0.108	**-0.684**	-0.227	0.212
	p-value	**0.018**	0.444	0.286	0.502	0.258	**0.004**		0.122	0.445	0.615	**0.000**	0.287	0.321
MeO-PBDEs	Correlation coefficient	0.128	0.108	0.179	-0.166	0.165	0.029	0.324		0.016	0.118	-0.002	-0.007	0.096
	p-value	0.550	0.614	0.403	0.438	0.441	0.894	0.122		0.940	0.583	0.994	0.973	0.656
Age [year]	Correlation coefficient	-0.263	0.059	0.187	0.127	0.209	0.209	0.164	0.016		**0.543**	-0.305	0.112	0.345
	p-value	0.214	0.785	0.383	0.553	0.327	0.326	0.445	0.940		**0.006**	0.148	0.602	0.099
Weight [kg]	Correlation coefficient	**-0.459**	-0.210	-0.060	-0.044	-0.002	-0.386	-0.108	0.118	**0.543**		0.235	**0.440**	**0.431**
	p-value	**0.025**	0.325	0.782	0.839	0.994	0.063	0.615	0.583	**0.006**		0.268	**0.032**	**0.035**
Living	Correlation coefficient	**-0.456**	-0.201	**-0.411**	**-0.564**	-0.122	**-0.657**	**-0.684**	-0.002	-0.305	0.235		0.195	-0.001
	p-value	**0.026**	0.346	**0.046**	**0.004**	0.569	**0.001**	**0.000**	0.994	0.148	0.268		0.360	0.997
Ratio A	Correlation coefficient	-0.081	0.166	0.203	0.013	-0.390	**-0.460**	-0.227	-0.007	0.112	**0.440**	0.195		0.235
	p-value	0.707	0.439	0.342	0.952	0.060	**0.024**	0.287	0.973	0.602	**0.032**	0.360		0.269
Ratio B	Correlation coefficient	-0.126	-0.208	-0.079	-0.021	-0.174	-0.013	0.212	0.096	0.345	**0.431**	-0.001	0.235	
	p-value	0.557	0.329	0.713	0.921	0.416	0.953	0.321	0.656	0.099	**0.035**	0.997	0.269	

*Ratio A was calculated by weekly feed number of times of dry food divided by total feed number of times.

**Ratio B was calculated by weekly feed number of times of wet food divided by total feed number of times.

Table S10. Estimation of daily intake (DI) and hazard quotient (HQ) of BDE-47 via cat food and house dust.

Source		Concentration (pg/g)	Intake of pet food (g)	Intake of house dust (mg)	DI (ng/kg/day)
Dry food	median	4.9	78 [b]	-	0.1
	worst	15	120 [c]	-	0.5
Dry and Wet food [a]	median	-	230 [b]	-	0.3
	worst	-	270 [c]	-	2.6
Wet food	median	5.6	380 [b]	-	0.5
	worst	46	420 [c]	-	4.8
House dust	median	260	-	50 [d]	0.0033
	worst	890	-	200 [e]	0.045

[a] Half of dry food and wet food

[b] Average of recommended feed amount for 4 kg cat written in package labels.

[c] Maximum of recommended feed amount for 4 kg cat written in package labels.

[d] Extrapolated the standard value of house dust intake to infants (Dirtu et al., 2010)

[e] Extrapolated the maximum of house dust intake to infants (Dirtu et al., 2010)

Table. S11. Estimation of daily intake (DI) of BDE-99 via cat food and house dust.

Source		Concentration (pg/g)	Intake of pet food (g)	Intake of house dust (mg)	DI (ng/kg/day)
Dry food	median	<MDL	78 [b]	-	0.0
	worst	12	120 [c]	-	0.4
Dry and Wet food [a]	median	-	230 [b]	-	0.0
	worst	-	270 [c]	-	0.8
Wet food	median	<MDL	380 [b]	-	0.0
	worst	11	420 [c]	-	1.2
House dust	median	210	-	50 [d]	0.0026
	worst	1400	-	200 [e]	0.070

[a] Half of dry food and wet food

[b] Average of recommended feed amount for 4 kg cat written in package labels.

[c] Maximum of recommended feed amount for 4 kg cat written in package labels.

[d] Extrapolated the standard value of house dust intake to infants (Dirtu et al., 2010)

[e] Extrapolated the maximum of house dust intake to infants (Dirtu et al., 2010

Table S12. Estimation of daily intake (DI) of BDE-153 via cat food and house dust.

Source		Concentration (pg/g)	Intake of pet food (g)	Intake of house dust (mg)	DI (ng/kg/day)
Dry food	median	<MDL	78 [b]	-	0.0
	worst	<MDL	120 [c]	-	0.0
Dry and Wet food [a]	median	-	230 [b]	-	0.0
	worst	-	270 [c]	-	0.0
Wet food	median	<MDL	380 [b]	-	0.0
	worst	<MDL	420 [c]	-	0.0
House dust	median	<MDL	-	50 [d]	0.0
	worst	430	-	200 [e]	0.022

[a] Half of dry food and wet food

[b] Average of recommended feed amount for 4 kg cat written in package labels.

[c] Maximum of recommended feed amount for 4 kg cat written in package labels.

[d] Extrapolated the standard value of house dust intake to infants (Dirtu et al., 2010)

[e] Extrapolated the maximum of house dust intake to infants (Dirtu et al., 2010)

Table S13. Estimation of daily intake (DI) of BDE-209 via cat food and house dust.

Source		Concentration (pg/g)	Intake of cat food (g)	Intake of house dust (mg)	DI (ng/kg/day)
Dry food	median	330	78 [b]	-	6.4
	worst	31000	120 [c]	-	930
Dry and Wet food [a]	median	-	230 [b]	-	3.8
	worst	-	270 [c]	-	475
Wet food	median	12	380 [b]	-	1.1
	worst	190	420 [c]	-	20
House dust	median	200000	-	50 [d]	2.5
	worst	520000	-	200 [e]	26

[a] Half of dry food and wet food

[b] Average of recommended feed amount for 4 kg cat written in package labels.

[c] Maximum of recommended feed amount for 4 kg cat written in package labels.

[d] Extrapolated the standard value of house dust intake to infants (Dirtu et al., 2010)

[e] Extrapolated the maximum of house dust intake to infants (Dirtu et al., 2010)