

Table 1: Abbreviations of chemicals used in text and figures

Abbreviation	Name	Abbreviation	Name
DDT	1,1,1-trichloro-2,2-bis(<i>p</i> -chlorophenyl)ethane	Organochlorine pesticides	
DDD	1,1-dichloro-2,2-bis(<i>p</i> -chlorophenyl)ethane	Endos-I	Endosulfan-I
DDE	1,1-dichloro-2,2-bis(<i>p</i> -chlorophenyl)ethylene	Endos-II	Endosulfan-II
HCH	Hexachlorocyclohexane	Endos-S	Endosulfan-sulfate
OCPs	Organochlorine pesticides	Polyaromatic hydrocarbons	
OCS	Octachlorostyrene	Nap	Naphthalene
PAHs	Polycyclic aromatic hydrocarbons	Acy	Acenaphthylene
PCBs	Polychlorinated biphenyls	Ace	Acenaphthene
PCBz	Polychlorinated benzenes	Fl	Fluorene
PCDDs	Polychlorinated dibenzo- <i>p</i> -dioxin	Phe	Phenanthrene
PCDFs	Polychlorinated dibenzofurans	Ant	Antracene
PCNs	Polychlorinated naphthalenes	Flu	Fluoranthene
Polychlorinated biphenyls		Pyr	Pyrene
CB18	2,2',5'-TriCB	B(a)A	Benz(a)anthracene
CB28	2,4,4'-TriCB	Chy/ Triphenylene	Chrysene/Triphenylene
CB31	2,4',5'-TriCB	B(bjk)f	Benzo(b/j/k)fluoranthenes
CB33	2',3,4'-TriCB	B(a)P	Benzo(a)pyrene
CB37	3,4,4'-TriCB	InP	Indeno(1,2,3-cd)pyrene
CB47	2,2',4,4'-TetCB	DbA	Diben(ac/ah)anthracene
CB52	2,2',5,5'-TetCB	B(ghi)P	Benzo(ghi)perylene
CB66	2,3',4,4'-TetCB	Polychlorinated naphthalenes	
CB74	2,4,4',5'-TetCB	TeCN1	1,3,5,7-TeCN
CB77*	3,3',4,4'-TetCB	TeCN2	1,2,5,6-TeCN
CB81*	3,4,4',5'-TetCB	TeCN3	2,3,6,7-TeCN
CB99	2,2',4,4',5'-PenCB	PeCN1	1,2,3,5,7-PeCN
CB101	2,2',4,5,5'-PenCB	PeCN2	1,2,3,6,7-PeCN
CB105	2,3,3',4,4'-PenCB	PeCN3	1,2,3,5,8-PeCN
CB114	2,3,4,4',5'-PenCB	HxCN1/HxCN2	1,2,3,4,6,7-HxCN 1,2,3,5,6,7-HxCN
CB118	2,3',4,4',5'-PenCB	HxCN3	1,2,3,5,6,8-HxCN
CB122	2',3,3',4,5'-PenCB	HxCN4/HxCN5	1,2,4,5,6,8-HxCN 1,2,4,5,7,9-HxCN
CB123	2',3,4,4',5'-PenCB	HxCN6	1,2,3,6,7,8-HxCN
CB126*	3,3',4,4',5'-PenCB	HpCN7	1,2,3,4,5,6,7-HpCN
CB128	2,2',3,3',4,4'-HexCB	HpCN8	1,2,3,4,5,6,8-HpCN
CB138	2,2',3,4,4',5'-HexCB	Polychlorinated dibenzo-<i>p</i>-dioxins	
CB141	2,2',3,4,5,5'-HexCB	TCDD	2,3,7,8-TCDD
CB149	2,2',3,4',5',6'-HexCB	PCDD	1,2,3,7,8-PeCDD
CB153	2,2',4,4',5,5'-HexCB	HxCDD1	1,2,3,4,7,8-HxCDD
CB156	2,3,3',4,4',5'-HexCB	HxCDD2	1,2,3,6,7,8-HxCDD
CB157	2,3,3',4,4',5'-HexCB	HxCDD3	1,2,3,7,8,9-HxCDD
CB167	2,3',4,4',5,5'-HexCB	HpCD	1,2,3,4,6,7,8-HpCDD
CB169*	3,3',4,4',5,5'-HexCB	OCDD	OCDD
CB170	2,2',3,3',4,4',5'-HepCB	Polychlorinated dibenzofurans	
CB180	2,2',3,4,4',5,5'-HepCB	TCDF	2,3,7,8-TCDF
CB183	2,2',3,4,4',5',6'-HepCB	PCDF1	1,2,3,7,8/1,2,3,4,8-PeCDF
CB187	2,2',3,4',5,5',6'-HepCB	PCDF2	2,3,4,7,8-PeCDF
CB189	2,3,3',4,4',5,5'-HepCB	HxCDF1/HxCDF2	1,2,3,4,7,8/1,2,3,4,7,9-HxCDF
CB194	2,2',3,3',4,4',5,5'-OctCB	HxCDF3	1,2,3,6,7,8-HxCDF

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CB206	2,2',3,3',4,4',5,5',6-NonCB	HxCF4	1,2,3,7,8,9-HxCDF
CB209	DecaCB	HxCF5	2,3,4,6,7,8-HxCDF
Polychlorinated benzenes		HpCF1	1,2,3,4,6,7,8-HpCDF
PeCBz	Pentachlorinated benzenes	HpCF2	1,2,3,4,7,8,9-HpCDF
HCB	Hexachlorobenzene	OCDF	OCDF
TeCBz	Tetrachlorinated benzenes	Industrial chemicals	
		SCCP	Short chained chlorinated paraffins
		MCCP	Medium chained chlorinated paraffins

* Dioxin-like PCBs

Table 2: Concentration of the individual compounds and their isomers as used in the PCA.

Compound (ng/g)	Compound abbreviation	Site												
		S-Inf-Soil	Vdb-Inf-Soil	SkbrRiv1	VaalRiv	VaalRivK	KlipRiv	TbosSpr	RietSpr	SkbrRiv2	SkbrRiv3	OrangeRiv	S-Ind-Soil	Vdp-Ind-Soil
Polychlorinated biphenyl's														
2,2'5'-TriCB	CB18	0.03	0.02	0.02	0.03	0.03	0.1	0.02	0.12	0.03	0.03	0.18	0.19	0.39
2,4,4'-TriCB	CB28	0.04	0.07	0.03	0.06	0.05	0.24	0.03	0.23	0.04	0.04	0.18	0.18	0.71
2,4',5'-TriCB	CB31	0.04	0.03	0.03	0.04	0.04	0.16	0.03	0.18	0.03	0.03	0.18	0.18	0.58
2',3,4'-TriCB	CB33	0.02	0.02	0.02	0.03	0.03	0.1	0.02	0.11	0.02	0.02	0.13	0.12	0.43
3,4,4'-TriCB	CB37	0.02	0.01	0.01 ^a	0.02	0.02	0.08	0.01	0.11	0.01 ^a	0.01 ^a	0.04	0.04	0.46
2,2',4,4'-TetCB	CB47	0.02	0.06	0.01 ^a	0.03	0.02	0.09	0.01 ^c	0.1	0.01 ^c	0.02	0.06	0.07	0.37
2,2',5,5'-TetCB	CB52	0.03	0.02	0.02	0.03	0.04	0.18	0.02	0.25	0.02	0.04	0.16	0.19	0.52
2,3',4,4'-TetCB	CB66	0.06	0.18	0.02 ^c	0.09	0.03 ^c	0.3	0.02 ^c	0.22	0.02 ^c	0.04	0.07	0.09 ^b	0.99
2,4,4',5'-TetCB	CB74	0.03	0.15	0.01 ^c	0.08	0.02 ^c	0.16	0.02	0.11	0.01 ^a	0.03	0.05	0.06	0.5
3,3',4,4'-TetCB	CB77*	0.007	0.0059	0.00077	0.0021	0.0055	0.076	0.0051	0.05	0.00077	0.0022	0.0029	0.078	0.35
3,4,4',5'-TetCB	CB81*	0.00048	0.00039	0.00004	0.00011	0.00022	0.0030	0.00021	0.0015	0.00006	0.00011	0.00016	0.0011 ^b	0.013
2,2',4,4',5'-PenCB	CB99	0.2	0.78	0.04 ^c	0.38	0.04 ^c	0.47	0.03 ^c	0.18	0.02 ^c	0.15	0.04	0.05 ^c	1.4
2,2',4,5,5'-PenCB	CB101	0.02	0.02	0.02	0.04	0.04	0.24	0.02	0.13	0.02	0.1	0.08	0.14	0.87
2,3,3',4,4'-PenCB	CB105	0.08	0.36	0.03 ^c	0.18	0.02 ^c	0.28	0.01 ^c	0.11	0.01 ^a	0.15	0.02	0.03 ^c	0.67
2,3,4,4',5'-PenCB	CB114	0.01	0.04	0.01 ^a	0.02	0.01 ^a	0.03	0.01 ^a	0.01 ^a	0.01 ^a	0.02	0.01 ^a	0.01 ^a	0.05
2,3',4,4',5'-PenCB	CB118	0.32	1.6	0.11 ^c	0.77	0.1 ^c	1.0	0.06 ^c	0.32	0.04 ^c	0.56	0.06	0.1 ^c	2.2
2',3,3',4,5'-PenCB	CB122	0.01	0.13	0.01 ^a	0.05	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.04	0.01 ^a	0.01 ^a	0.01 ^a
2',3,4,4',5'-PenCB	CB123	0.01	0.02	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.04
3,3',4,4',5'-PenCB	CB126*	0.00095	0.00063	0.00004	0.00013	0.00035	0.0031	0.00039	0.00129	0.00005	0.00044	0.00012	0.0061	0.035
2,2',3,3',4,4'-HexCB	CB128	0.07	0.3	0.03 ^c	0.14	0.02 ^c	0.23	0.01 ^c	0.07	0.01 ^a	0.15	0.01 ^a	0.04	1.05
2,2',3,4,4',5'-HexCB	CB138	0.8	2.4	0.19 ^c	1.14	0.16 ^c	1.58	0.07 ^c	0.5	0.09 ^c	1.2	0.08	0.23 ^c	8.0
2,2',3,4,5,5'-HexCB	CB141	0.01	0.01 ^a	0.01 ^a	0.01	0.01	0.08	0.01 ^a	0.03	0.01	0.05	0.01 ^a	0.05	1.2
2,2',3,4',5',6'-HexCB	CB149	0.03	0.04	0.02	0.05	0.05	0.28	0.02	0.11	0.01	0.16	0.04	0.16	4.6
2,2',4,4',5,5'-HexCB	CB153	1.7	6.0	0.45 ^c	2.9	0.37 ^c	3.5	0.17 ^c	1.04 ^c	0.18 ^c	2.2	0.17	0.34 ^c	14
2,3,3',4,4',5'-HexCB	CB156	0.09	0.34	0.03 ^c	0.15	0.02 ^c	0.21	0.01 ^a	0.06	0.02 ^c	0.17	0.01 ^a	0.03 ^c	0.72
2,3,3',4,4',5'-HexCB	CB157	0.02	0.07	0.01 ^a	0.03	0.01 ^a	0.04	0.01 ^a	0.01	0.01 ^a	0.03	0.01 ^a	0.01 ^a	0.12

2,3',4,4',5,5'-HexCB	CB167	0.05	0.2	0.01 ^c	0.1	0.01 ^c	0.12	0.01 ^a	0.03	0.01 ^a	0.09	0.01 ^a	0.01 ^c	0.39
3,3',4,4',5,5'-HexCB	CB169*	0.00022	0.00013	0.00002	0.00005	0.0001 ^d	0.00043	0.00003	0.00018	0.00001	0.0001	0.00005	0.00096 ^b	0.0070
2,2',3,3',4,4',5-HepCB	CB170	0.24	0.75	0.06 ^c	0.39	0.05 ^c	0.5	0.03 ^c	0.14	0.03 ^c	0.41	0.02	0.1	3.93
2,2',3,4,4',5,5'-HepCB	CB180	0.83	2.9	0.27 ^c	1.44	0.16 ^c	1.82	0.09 ^c	0.55	0.11 ^c	1.35	0.06	0.3	12
2,2',3,4,4',5',6-HepCB	CB183	0.12	0.34	0.03 ^c	0.19	0.03 ^c	0.24	0.01 ^c	0.07	0.02 ^c	0.19	0.01	0.04 ^c	2.0
2,2',3,4',5,5',6-HepCB	CB187	0.18	0.29	0.03 ^c	0.14	0.03 ^c	0.31	0.01 ^c	0.11	0.03 ^c	0.21	0.02	0.1	5.0
2,3,3',4,4',5,5'-HepCB	CB189	0.01	0.05	0.01 ^a	0.02	0.01 ^a	0.03	0.01 ^a	0.01 ^a	0.01 ^a	0.02	0.01 ^a	0.01 ^a	0.16
2,2',3,3',4,4',5,5'-OctCB	CB194	0.11	0.39	0.05	0.2	0.02 ^c	0.3	0.01	0.09	0.02 ^c	0.2	0.01 ^q	0.06	2.7
2,2',3,3',4,4',5,5',6-NonCB	CB206	0.06	0.09	0.01	0.05	0.02	0.27	0.01 ^a	0.09	0.01 ^a	0.06	0.01 ^a	0.07	0.86
DecaCB	CB209	0.09	0.05	0.01 ^a	0.03	0.01 ^a	0.07	0.01 ^a	0.03	0.01	0.02	0.01 ^a	1.36	0.16
Σ Mono-ortho PCBs		5.3	18	1.6	8.8	1.5	13	0.82	5.1	0.89	7.8	1.8	4.4	67
Σ Non-ortho PCBs		0.009	0.007	0.001	0.002	0.006	0.083	0.006	0.053	0.001	0.003	0.003	0.086	0.41
<u>Polychlorinated benzenes, octachlorostyrene and polychlorinated paraffins</u>														
PeCBz	PeCBz	0.05	0.04	0.01 ^c	0.01	0.02	0.03	0.03	0.02	0.01 ^a	0.02	0.03	0.71	0.46
HCB	HCB	0.53	0.87	0.03 ^c	0.08 ^c	0.13	0.08 ^c	0.32	0.08 ^c	0.21	0.08	0.11	15	2.9
Σ TeCBz	Σ TeCBz	0.00007	0.00006	0.00002	0.00004	0.00003	0.00005	0.00002	0.00004	0.00001	0.00008	0.0001	0.00024	0.00012
OCS	OCS	0.07	0.04 ^a	0.04 ^a	0.06 ^a	0.09 ^a	0.11 ^a	0.07 ^a	0.07 ^a	0.24 ^a	0.04 ^a	0.07 ^a	2.24	0.10 ^a
SCCP	SCCP	25	8.1	4.3	6.9	5.3	47	29	30	3.9	4.1	4.4	16	44
MCCP	MCCP	130	3.9	1.8	15	8.5	1200	14	62	2.4	4.4	15	25	480
<u>Organochlorine pesticides</u>														
Endosulfan-I	Endos-I	0.03	0.01	0.02	0.01	0.02	0.03	0.01	0.01	0.02	0.01	0.1	0.16	0.05 ^a
Endosulfan-II	Endos-II	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.02 ^a
Endosulfan-sulfate	Endos-S	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a
Σ Endosulfan		0.05	0.03	0.04	0.03	0.04	0.05	0.03	0.03	0.04	0.03	0.12	0.18	0.08
Dicofol	Dicofol	0.03 ^b	0.01 ^a	0.01 ^a	0.01 ^a	0.03 ^b	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.02 ^a	0.02 ^a	0.06 ^a
α-HCH	α-HCH	0.01 ^c	0.01 ^a	0.01 ^a	0.01 ^c	0.03	0.03	0.01 ^a	0.02 ^c	0.02	0.02	0.05	0.07	0.01
β-HCH	β-HCH	0.02 ^c	0.03 ^c	0.01 ^a	0.02 ^a	0.01	0.1	0.01 ^a	0.04	0.01 ^a	0.02	0.03	0.05	0.07
γ-HCH	γ-HCH	0.41	0.13	0.24	0.34	0.3	0.58	0.18	0.35	0.24	0.36	1.62	1.7	0.24
Σ-HCH		0.44	0.17	0.26	0.37	0.34	0.71	0.20	0.41	0.27	0.4	1.70	1.86	0.32
<i>o,p'</i> -DDE	<i>o,p'</i> -DDE	0.01 ^c	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.02	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.02
<i>p,p'</i> -DDE	<i>p,p'</i> -DDE	1.1 ^c	6.6	0.39 ^a	2.8 ^c	0.45 ^c	3.7 ^c	0.25 ^c	2.9	0.19 ^c	1.8 ^c	0.32 ^c	0.19 ^c	4.8 ^c
<i>o,p'</i> -DDD	<i>o,p'</i> -DDD	0.01 ^a	0.01 ^a	0.01 ^a	0.01 ^a	0.02	0.15	0.01	0.04	0.01	0.02	0.01	0.01 ^a	0.02

<i>p,p'</i> -DDD	<i>p,p'</i> -DDD	0.03	0.01 ^a	0.02 ^a	0.03	0.11	0.49	0.04	0.13	0.04	0.09	0.08	0.02 ^c	0.02 ^c
<i>o,p'</i> -DDT	<i>o,p'</i> -DDT	0.11	0.01 ^b	0.01 ^a	0.01 ^a	0.01	0.03	0.01 ^a	0.02 ^c	0.01 ^a	0.02	0.03	0.05	0.07
<i>p,p'</i> -DDT	<i>p,p'</i> -DDT	0.47	0.05	0.02	0.01	0.03	0.23	0.02	0.05	0.01	0.06	0.03	0.2	0.27
ΣDDTs		1.7	6.7	0.46	2.9	0.63	4.6	0.34	3.2	0.3	2.0	0.48	0.48	5.2
<u>Polyaromatic hydrocarbons</u>														
Naphthalene	Nap	14	18	2.5	6.6	6.6	8.1	2.2	22	4.2	4.9	11	59	60
Acenaphthylene	Acy	3.4	2.9	0.4	0.16	6.8	4.5	5.7	82	0.32	0.24	0.31	760	260
Acenaphthene	Ace	0.72	1.1	0.1	0.75	8.0	5.4	5.8	26	1.6	1.1	1.5	130	80
Fluorene	Fl	2.8	2.6	1.0 ^c	2.4	16	18	17	50	5.8	2.6	9.9	240	100
Phenanthrene	Phe	18	21	5.9 ^c	10	95	65	44	210	74	17	26	3700	1700
Anthracene	Ant	5.8	3.2	0.77	1.0	20	20	40	110	13	1.2	3.0	1200	410
Fluoranthene	Flu	35	38	7.0	15	150	97	110	420	80	27	29	6700	3600
Pyrene	Pyr	29	28	5.0	12	110	78	87	340	58	23	20	5500	2900
Benz(a)anthracene	B(a)A	15	11	2.0	5.0	63	40	38	210	16	8.6	3.2	3000	1700
Chrysene/Triphenylene	Chy/ Triphenylene	29	21	3.3	6.5	73	51	72	220	18	13	4.4	3500	2100
Benzo(b/j/k)fluoranthenes	B(bjk)f	55	30	6.7	9.2	120	87	160	460	26	26	5.5	6100	3500
Benzo(a)pyrene	B(a)P	19	2.3	2.6	3.4	59	38	62	230	12	13	2.4	2900	1700
Indeno(1,2,3-cd)pyrene	InP	26	12	3.4	4.4	59	39	93	230	12	14	2.5	2900	1800
Diben(ac)ah)anthracene	DbA	6.4	3.3	0.82	1.1	14	6.3	23	58	2.7	2.8	0.55	610	420
Benzo(ghi)perylene	B(ghi)P	19	7.0	2.8	3.0	33	23	63	130	7.9	8.6	1.9	1500	1000
Σ PAHs		280	200	44	81	830	580	820	2800	330	160	120	38800	21000
<u>Polychlorinated naphthalene's</u>														
1,3,5,7-TeCN	TeCN1	0.0001 ^b	0.00023	0.00001 ^a	0.00002 ^a	0.00005	0.00031	0.00001 ^a	0.00002	0.00004 ^a	0.00015	0.00037	0.00034	0.0001
1,2,5,6-TeCN	TeCN2	0.013	0.00099	0.00017	0.0003	0.00032	0.0055	0.00012	0.00016	0.0014	0.0005	0.00002 ^a	0.0006	0.0006
2,3,6,7-TeCN	TeCN3	0.0045	0.012	0.0015	0.0029	0.0011	0.046	0.00084	0.00065	0.0022	0.0027	0.0033	0.00097	0.0051
1,2,3,5,7-PeCN	PeCN1	0.0024	0.0023	0.00008	0.00011	0.00009 ^b	0.0059	0.00015	0.00013	0.00004 ^a	0.00043	0.0013	0.00073	0.00024
1,2,3,6,7-PeCN	PeCN2	0.0014	0.00035	0.00039	0.0003	0.00032	0.0040	0.00012	0.00033	0.00053	0.00041	0.00033	0.0028	0.00075
1,2,3,5,8-PeCN	PeCN3	0.0061	0.0034	0.00041	0.00082	0.0011	0.017	0.00052	0.0012	0.00063 ^b	0.001	0.0014	0.00059	0.0043

Supplementary Material (ESI) for Journal of Environmental Monitoring
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1,2,3,4,6,7-HxCN	1,2,3,5,6,7-HxCN2	0.01	0.0016	0.00015 ^b	0.00024	0.00009	0.003	0.0012	0.00078	0.00063	0.00077	0.00038	0.0063	0.0023
1,2,3,5,6,8-HxCN	HxCN3	0.0021	0.00065 ^b	0.0001	0.00009	0.00006	0.002	0.00035	0.0006	0.00006 ^a	0.00037	0.00024	0.00062	0.00097
1,2,4,5,6,8-HxCN	1,2,4,5,7,9-HxCN4/HxCN5	0.0022	0.0010	0.00009	0.00014	0.00012	0.0032	0.00009 ^b	0.00027	0.00022	0.00054	0.00043	0.00046	0.00036
1,2,3,6,7,8-HxCN	HxCN6	0.00018	0.00014 ^d	0.00008 ^a	0.00006 ^a	0.00005 ^a	0.00006 ^a	0.00003 ^a	0.00005 ^a	0.00016 ^a	0.00017	0.00006 ^b	0.00022 ^a	0.00009 ^a
1,2,3,4,5,6,7-HpCN	HpCN7	0.024	0.0025	0.00011	0.00015	0.00047	0.0027	0.0029	0.00095	0.00026	0.0021	0.00078	0.39	0.018
1,2,3,4,5,6,8-HpCN	HpCN8	0.0026	0.0005	0.00006 ^a	0.00006 ^a	0.00005 ^a	0.0010	0.00024	0.00019	0.00007	0.00031 ^b	0.00013	0.00016 ^a	0.00009 ^a
Σ PCNs		0.13	0.12	0.01	0.03	0.02	0.46	0.01	0.02	0.02	0.03	0.08	0.44	0.07
Polychlorinated dibenzo-p-dioxins														
2,3,7,8-TCDD	TCDD	0.00005	0.00002	0.00003	0.00001	0.00001	0.00003	0.00001	0.00002	0.00003	0.00002	0.00002	0.0002	0.00014
1,2,3,7,8-PeCDD	PCDD	0.00018	0.00007	0.00003	0.00004 ^b	0.00003	0.00014	0.00004	0.00008	0.00003 ^b	0.00004	0.00003	0.0012	0.0008
1,2,3,4,7,8-HxCDD	HxCDD1	0.00019	0.00006	0.00002	0.00003	0.00004	0.00016	0.00004	0.00012	0.00003 ^a	0.00004	0.00002	0.0019	0.00082
1,2,3,6,7,8-HxCDD	HxCDD2	0.00067	0.00012	0.00003	0.00006 ^b	0.00008	0.00058	0.00005	0.00037	0.00004	0.00009	0.00011	0.0045	0.0017
1,2,3,7,8,9-HxCDD	HxCDD3	0.00045	0.00015	0.00003	0.00006	0.00006	0.00033	0.00005	0.00022	0.00003	0.00011	0.00018	0.0036	0.0017
1,2,3,4,6,7,8-HpCDD	HpCDD	0.0147	0.00076	0.00013	0.00041	0.0014	0.015	0.00045	0.0091	0.00025	0.00096	0.0005	0.12	0.016
OCDD	OCDD	0.15	0.004	0.00072	0.0059	0.012	0.15	0.0022	0.076	0.0027	0.0073	0.0036	0.74	0.075
Σ PCDD		0.17	0.005	0.001	0.007	0.014	0.16	0.003	0.085	0.003	0.009	0.004	0.864	0.097
Polychlorinated dibenzofurans														
2,3,7,8-TCDF	TCDF	0.00037	0.0002	0.00003	0.00004	0.00008	0.00043	0.00007	0.00027	0.00003	0.00007	0.00004	0.0015	0.024
1,2,3,7,8/1,2,3,4,8-PeCDF	PCDF1	0.00094	0.00034	0.00004	0.00007	0.00009	0.00036	0.00009	0.00018	0.00006	0.00014	0.00005	0.0022	0.025
2,3,4,7,8-PeCDF	PCDF2	0.00055	0.00017	0.00002	0.00002	0.00007	0.00029	0.00006	0.00012	0.00003	0.00006	0.00002	0.0013	0.0052
1,2,3,4,7,8/1,2,3,4,7,9-HxCDFHxCF1/HxCF2	HxCDF	0.0013	0.00023	0.00002	0.00003 ^b	0.00011	0.00043	0.00009	0.00019	0.00003	0.00012	0.00004	0.0036	0.017
1,2,3,6,7,8-HxCDF	HxCDF3	0.00092	0.00019	0.00002	0.00003	0.00006	0.00029	0.00005	0.00013	0.00002 ^b	0.00007	0.00004	0.0024	0.0058
1,2,3,7,8,9-HxCDF	HxCDF4	0.00021	0.0001	0.00005	0.00009 ^b	0.00006	0.00009	0.00003	0.00008	0.00009	0.00022	0.00001 ^a	0.00039	0.0021
2,3,4,6,7,8-HxCDF	HxCDF5	0.00066	0.00015	0.00002	0.00003	0.00006	0.00034	0.00004	0.00016	0.00003	0.00008	0.00002	0.0014	0.0045
1,2,3,4,6,7,8-HpCDF	HpCDF1	0.0059	0.00059	0.00008	0.00016	0.00045	0.0034	0.00029	0.0014	0.00012	0.00071	0.00017	0.03	0.03
1,2,3,4,7,8,9-HpCDF	HpCDF2	0.00066	0.00009 ^b	0.00002	0.00002	0.00003 ^b	0.00026	0.00003 ^b	0.00008 ^b	0.00005	0.00007	0.00002	0.0025	0.0061
OCDF	OCDF	0.011	0.00041	0.00011	0.00037	0.001 ^d	0.0075	0.00041	0.0013	0.00024	0.00076	0.00025	0.12	0.043
Σ PCDFs		0.022	0.002	0.00041	0.001	0.002	0.013	0.001	0.004	0.001	0.002	0.001	0.169	0.163

^a Lower than detection limit at signal-to-noise 3 to 1, ^b Isotope ratio deviates more than 20% from theoretical value, ^c Lower than 10 x method blank, ^d Recovery is not according to quality criteria.

*non-ortho-PCBs