

1 **Table S1:** PCB total concentration and congeners distribution of the sediment samples used in this study. Values  
 2 are the mean ( $\pm$  SD) of replicate analysis on three sediment subsamples.

<b>Sediment</b>	<b>Total PCB concentration</b> ( <i>mg PCBs (kg dry sediment)<sup>-1</sup></i> )	<b>Di- and tri-chlorinated congeners</b> (wt %)	<b>Tetra- and penta-chlorinated congeners</b> (wt %)	<b>Hexa- and hepta-chlorinated congeners</b> (wt %)	<b>Octa- and nona-chlorinated congeners</b> (wt %)
<b>A</b>	0.4 $\pm$ 0.1	0.26%	28.08%	5.02%	66.64%
<b>B</b>	1.5 $\pm$ 0.8	0.00%	0.75%	5.96%	93.29%
<b>C</b>	1.3 $\pm$ 0.2	0.02%	1.52%	3.13%	95.33%
<b>D</b>	3.3 $\pm$ 2.8	0.00%	0.91%	27.27%	71.81%
<b>E</b>	0.6 $\pm$ 0.1	0.00%	3.00%	6.66%	90.34%
<b>F</b>	0.2 $\pm$ 0.0	0.00%	5.11%	10.36%	84.54%

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