

Electronic supplementary information (ESI)

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MANUSCRIPT TITLE: Emission behavior of hexabromocyclododecanes and polybrominated
diphenyl ethers from flame-retarded textiles

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Table S1. Emission rates ($\mu\text{g}/[\text{m}^2 \text{ h}]$, means $\pm$ SDs) of HBCD diastereomers in textiles A and B

	Temp ($^{\circ}\text{C}$)	α -HBCD	β -HBCD	γ -HBCD	Total HBCDs
Textile A	20	0.098 $\pm$ 0.14	0.044 $\pm$ 0.065	0.11 $\pm$ 0.15	0.25 $\pm$ 0.36
	40	0.61 $\pm$ 0.57	0.29 $\pm$ 0.27	0.66 $\pm$ 0.63	1.6 $\pm$ 1.47
	60	0.22 $\pm$ 0.0099	0.027 $\pm$ 0.00077	0.049 $\pm$ 0.016	0.30 $\pm$ 0.0092
	80	4.2 $\pm$ 0.32	0.66 $\pm$ 0.070	0.88 $\pm$ 0.043	5.7 $\pm$ 0.43
Textile B	20	0.065 $\pm$ 0.049	0.025 $\pm$ 0.019	0.068 $\pm$ 0.050	0.16 $\pm$ 0.12
	40	0.082 $\pm$ 0.077	0.029 $\pm$ 0.031	0.080 $\pm$ 0.084	0.19 $\pm$ 0.19
	60	0.27 $\pm$ 0.0024	0.042 $\pm$ 0.0044	0.087 $\pm$ 0.0087	0.40 $\pm$ 0.011
	80	5.1 $\pm$ 0.72	0.88 $\pm$ 0.21	1.5 $\pm$ 0.62	7.5 $\pm$ 1.45

Table S2. Emission rates ($\mu\text{g}/[\text{m}^2 \text{ h}]$, means $\pm$ SDs) of PBDE homologs in textile C

Temp ($^{\circ}\text{C}$)	20	40	60	80
di-BDEs	0.000030 $\pm$ 0.000011	0.00013 $\pm$ 0.000019	0.00067 $\pm$ 0.000067	0.0020 $\pm$ 0.000098
tri-BDEs	nd	0.000015 $\pm$ 0.0000045	0.00023 $\pm$ 0.000029	0.0011 $\pm$ 0.000072
tetra-BDEs	0.000040 $\pm$ 0.000020	0.00017 $\pm$ 0.000049	0.0013 $\pm$ 0.00018	0.011 $\pm$ 0.00082
penta-BDEs	nd	0.000036 $\pm$ 0.000029	0.00026 $\pm$ 0.000028	0.0024 $\pm$ 0.00012
hexa-BDEs	nd	nd	0.00013 $\pm$ 0.000020	0.0016 $\pm$ 0.00018
hepta-BDEs	nd	0.000083 $\pm$ 0.00014	0.000047 $\pm$ 0.000041	0.00092 $\pm$ 0.00022
octa-BDEs	nd	0.000056 $\pm$ 0.000097	nd	0.00045 $\pm$ 0.00018
nona-BDEs	0.00023 $\pm$ 0.000033	0.00057 $\pm$ 0.00051	0.00023 $\pm$ 0.00015	0.0018 $\pm$ 0.00074
deca-BDE	0.0019 $\pm$ 0.00063	0.0052 $\pm$ 0.0041	0.0019 $\pm$ 0.00054	0.0079 $\pm$ 0.0050
Total PBDEs	0.0022 $\pm$ 0.00063	0.0062 $\pm$ 0.0049	0.0048 $\pm$ 0.00099	0.029 $\pm$ 0.0057

nd: not detected at or above the detection limits of the analyses: 5 ng/g for di- to tetra-BDEs, 10 ng/g for penta- to hepta-BDEs, and 20 ng/g for octa-BDEs.