

Supplementary Materials

Table S1 Standard solutions used for PCDD/F analysis

Standards	Concentrations, pg L ⁻¹
<i>Surrogate standard solution (SS)</i>	
³⁷ Cl ₄ -2,3,7,8-TeCDD	100
¹³ C ₁₂ -1,2,3,4,7,8-HxCDD	100
¹³ C ₁₂ -2,3,4,7,8-PeCDF	100
¹³ C ₁₂ -1,2,3,4,7,8-HxCDF	100
¹³ C ₁₂ -1,2,3,4,7,8,9-HpCDF	100
<i>Internal standard solution (IS)</i>	
¹³ C ₁₂ -2,3,7,8-TeCDD	100
¹³ C ₁₂ -1,2,3,7,8-PeCDD	100
¹³ C ₁₂ -1,2,3,6,7,8-HxCDD	100
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDD	100
¹³ C ₁₂ -OCDD	200
¹³ C ₁₂ -2,3,7,8-TeCDF	100
¹³ C ₁₂ -1,2,3,7,8-PeCDF	100
¹³ C ₁₂ -1,2,3,6,7,8-HxCDF	100
¹³ C ₁₂ -1,2,3,4,6,7,8-HpCDF	100
<i>Alternate standard solution (AS)</i>	
¹³ C ₁₂ -1,2,3,7,8,9-HxCDF	50
<i>Recovery standard solution (RS)</i>	
¹³ C ₁₂ -1,2,3,4-TeCDD	100
¹³ C ₁₂ -1,2,3,7,8,9-HxCDD	100

Table S2 Standard solutions used for PCB analysis

Standards	IUPAC	Concentrations, ng mL ⁻¹
<i>Internal Standard Solution</i>		
¹³ C ₁₂ -3,4,4',5-TeCB	81L	50
¹³ C ₁₂ -3,3',4,4'-TeCB	77L	50
¹³ C ₁₂ -2,3,3',4,4'-PeCB	105L	50
¹³ C ₁₂ -2,3,4,4',5-PeCB	114L	50
¹³ C ₁₂ -2,3',4,4',5-PeCB	118L	50
¹³ C ₁₂ -2',3,4,4',5-PeCB	123L	50
¹³ C ₁₂ -3,3',4,4',5-PeCB	126L	50
¹³ C ₁₂ -2,3,3',4,4',5-HxCB	156L	50
¹³ C ₁₂ -2,3,3',4,4',5'-HxCB	157L	50
¹³ C ₁₂ -2,3',4,4',5,5'-HxCB	167L	50
¹³ C ₁₂ -3,3',4,4',5,5'-HxCB	169L	50
¹³ C ₁₂ -2,3,3',4,4',5,5'-HpCB	189L	50
<i>Recovery Standard Solution</i>		
¹³ C ₁₂ -2,3',4',5-TeCB	70L	50
¹³ C ₁₂ -2,3,3',5,5'-PeCB	111L	50
¹³ C ₁₂ -2,2',3,4,4',5'-HxCB	138L	50
¹³ C ₁₂ -2,2',3,3',4,4',5'-HpCB	170L	50