

Supporting information for
Chlorinated and brominated dibenzo-*p*-dioxins and dibenzofurans
in surface sediment from Taihu Lake, China

Lin Zhou ^{a,b}, Huiru Li ^a, Zhiqiang Yu ^{a*}, Man Ren ^a, Xiangying Zeng ^a, Ping'an Peng ^{a*},

Guoying Sheng ^a, Jiamo Fu ^a

a State Key Laboratory of Organic Geochemistry, Guangdong Key Laboratory of Environment and Resources,

Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou 510640, China

b Graduate School of the Chinese Academy of Sciences, Beijing 100039, China

* Corresponding author. Tel: +86 20 85292391; Fax: +86 20 85290192; E-mail: zhiqiang@gig.ac.cn

Table S1 Emissions factors of PCDD/Fs from possible sources.

	Sodium pentachloro-phenate (PCP-Na) ng g ⁻¹	Pentachloro-phenol (PCP) ng g ⁻¹	Fly ash from municipal solid waste incineration (FA) ng kg ⁻¹	Fly gas from municipal solid waste incineration (FG) pg Nm ⁻³	Automobiles exhaust (AE) fg Nm ⁻³	Gaseous emission from secondary Al metallurgy (SAM) ng Nm ⁻³	Gaseous emission from secondary Cu metallurgy (SCM) ng Nm ⁻³	Gaseous emission from iron ore sintering plant (IOS) ng Nm ⁻³	Gaseous emission from cement plant (CP) ng Nm ⁻³	Waste water from pulp mill (WPM) pg L ⁻¹	Agricultural straw open burning (SOB) pg Nm ⁻³	
2,3,7,8-TCDF	3.1	3.0	692	19.0	95.2	0.18	0.42	0.50	0.10	121.5	0.117	
1,2,3,7,8-PeCDF	40.9	12.9	1160	22.2	18.2	0.04	0.11	0.65	0.21	65.3	0.172	
2,3,4,7,8-PeCDF	2.4	3.8	2310	38.8	28.5	0.35	3.18	1.05	0.11	26.8	0.278	
1,2,3,4,7,8-HxCDF	76.1	97.7	2390	30.6	72.0	0.10	0.97	0.70	0.15	nd	0.274	
1,2,3,6,7,8-HxCDF	9.4	13.7	2770	35.0	27.4	0.09	0.99	0.65	0.19	8.4	0.257	
2,3,4,6,7,8-HxCDF	0.32	0.1	4050	51.6	25.2	0.13	1.76	0.80	0.01	nd	0.0427	
1,2,3,7,8,9-HxCDF	0.93	1.3	348	4.5	12.0	0.03	0.48	0.25	0.21	nd	0.317	
1,2,3,4,6,7,8-HpCDF	135	230	9770	110	132.3	0.10	1.42	1.05	0.77	nd	0.986	
1,2,3,4,7,8,9-HpCDF	18.3	29.6	1730	24.0	15.2	0.02	0.28	0.20	0.13	nd	0.123	
OCDF	1647	3674	7770	90.6	97.2	0.08	0.57	0.25	0.16	19.6	0.569	
2,3,7,8-TCDD	4.0	14.1	124	2.6	7.2	0.05	0.49	0.05	0.03	229.5	0.0128	
1,2,3,7,8-PeCDD	2.1	2.2	691	8.9	6.0	0.03	0.45	0.10	0.04	100.5	0.0523	
1,2,3,4,7,8-HxCDD	244	351	893	10.9	6.2	0.01	0.14	0.12	0.04	24.0	0.0461	
1,2,3,6,7,8-HxCDD	13.8	Nd	1650	29.9	11.6	0.01	0.19	0.20	0.09	16.5	0.0964	
1,2,3,7,8,9-HxCDD	2.1	3.5	1210	15.5	19.6	0.01	0.14	0.12	0.08	15.0	0.0836	
1,2,3,4,6,7,8-HpCDD	1702	2473	12200	213	79.4	0.01	0.22	0.45	0.34	54.4	0.527	
OCDD	12514	22026	21900	340	376.9	0.01	0.11	0.35	0.24	63	0.684	
References	7		42		41		45		46	29	44	43