

Supplement Document

Table. S1

n	Median	PM _{2.5} concentration		
		RMS	2×RMS	3×RMS
179	14.0	7.65	15.3	22.9

Table. S2 The factor loading matrix for PCA analysis in 2014

	Factor			
	1	2	3	4
2,3,7,8-TCDD	.872	.318	.068	.143
1,2,3,7,8-PCDD	.659	.505	.025	.411
1,2,3,4,7,8-HCDD	.959	.005	.057	.173
1,2,3,6,7,8-HCDD	.702	.170	.210	-.563
1,2,3,7,8,9-HCDD	.835	.005	.472	.111
1,2,3,4,6,7,8-HCDD	.404	-.632	.105	.012
OCDD	.889	-.245	-.242	-.239
2,3,7,8-TCDF	.354	.762	-.100	.195
1,2,3,7,8-PCDF	-.092	.860	-.032	-.078
2,3,4,7,8-PCDF	-.322	.608	.228	-.599
1,2,3,4,7,8-HCDF	-.934	.208	.037	.138
1,2,3,6,7,8-HCDF	-.945	.050	.040	.031
2,3,4,6,7,8-HCDF	-.918	-.123	.261	-.151
1,2,3,7,8,9-HCDF	.455	-.054	.754	.266
1,2,3,4,6,7,8-HCDF	-.973	.074	.088	.118
1,2,3,4,7,8,9-HCDF	-.444	-.053	.794	-.052
OCDF	-.864	.069	-.016	.383

Table. S3 The factor loading matrix for PCA analysis in 2014-2015

	Factor		
	1	2	3
2,3,7,8-TCDD	-.388	.786	.211
1,2,3,7,8-PCDD	-.071	.754	.349
1,2,3,4,7,8-HCDD	-.292	.904	.113
1,2,3,6,7,8-HCDD	.002	.788	.311
1,2,3,7,8,9-HCDD	-.142	.938	.131
1,2,3,4,6,7,8-HCDD	.225	.709	-.361
OCDD	-.906	-.271	-.280
2,3,7,8-TCDF	.085	.285	.887
1,2,3,7,8-PCDF	.330	.117	.868
2,3,4,7,8-PCDF	.587	.296	.643
1,2,3,4,7,8-HCDF	.915	-.092	.327
1,2,3,6,7,8-HCDF	.917	-.218	.228
2,3,4,6,7,8-HCDF	.960	-.086	.045
1,2,3,7,8,9-HCDF	.270	.835	.070
1,2,3,4,6,7,8-HCDF	.947	-.182	.035
1,2,3,4,7,8,9-HCDF	.789	.462	.077
OCDF	.779	-.211	-.049

Figure S1: correlation of PCDD/F vs temperature for year 2015

