

Table S1 Total variance of explained and rotated component matrix for total concentrations of heavy metals in sediment of Yu River

Component	Initial Eigenvalues			Rotation Sums of Squared Loadings		
	Total	% of Variance	Cumulative %	Total	% of Variance	Cumulative %
Aug.	1	4.31	47.93	3.03	33.62	33.62
	2	1.30	14.49	2.41	26.74	60.36
	3	1.03	11.40	1.08	12.04	72.40
	4	0.89	9.85	1.01	11.27	83.67
	5	0.65	7.21			
	6	0.40	4.42			
	7	0.32	3.60			
	8	0.08	0.93			
	9	0.02	0.17			
Dec.	1	4.24	47.15	3.59	39.92	39.92
	2	1.35	14.96	1.56	17.30	57.21
	3	1.33	14.74	1.50	16.65	73.87
	4	0.85	9.48	1.12	12.47	86.34
	5	0.58	6.40			
	6	0.38	4.18			
	7	0.14	1.59			
	8	0.10	1.14			
	9	0.03	0.36			
Apr.	1	3.89	43.17	3.02	33.54	33.54
	2	1.31	14.60	1.86	20.68	54.23
	3	1.12	12.48	1.37	15.20	69.42
	4	1.02	11.28	1.09	12.10	81.53
	5	0.61	6.82			
	6	0.51	5.68			
	7	0.33	3.69			
	8	0.14	1.56			
	9	0.07	0.72			