

(Table S1) Standard of contamination levels by geo accumulation index

<i>I_{geo}</i> Class	<i>I_{geo}</i> value	Contamination level
0	$I_{geo} \leq 0$	Uncontaminated
1	$0 < I_{geo} < 1$	Uncontaminated to moderately contaminated
2	$1 < I_{geo} < 2$	Moderately contaminated
3	$2 < I_{geo} < 3$	Moderately to strongly contaminated
4	$3 < I_{geo} < 4$	Strongly contaminated
5	$4 < I_{geo} < 5$	Strongly to extremely contaminated
6	$I_{geo} > 5$	Extremely contaminated

(Table S2) Classification of contamination factor index (cf)

Contamination Factor Index (CF)	< 1	Low contamination
	1 – 3	Moderate contamination
	3 – 6	Considerable contamination
	> 6	Very high contamination

(Table S3) Classifications for modified degree of contamination (mC_d)

<i>mC_d</i> Class	<i>mC_d</i> value	Contamination situation
0	$mC_d < 1.5$	Unpolluted
1	$1.5 \leq mC_d < 2$	Slightly polluted
2	$2 \leq mC_d < 4$	Moderately polluted
3	$4 \leq mC_d < 8$	Moderately-heavily polluted
4	$8 \leq mC_d < 16$	Heavily polluted
5	$16 \leq mC_d < 32$	Severely polluted
6	$mC_d \geq 32$	Extremely polluted

(Table S4) Classification of pollution load index (PLI)

PLI value	Classification
PLI < 1	Unpolluted
1 < PLI < 2	Moderately polluted
2 < PLI < 10	Strongly polluted
PLI > 10	Extremely polluted