Table S1. Contamination indices calculation equation: geoaccumulation index (Igeo), contamination factor (CF), modified degree of contamination (mCd), potential ecological risk index (PERI), and potential toxicity response index (RI).

Contamination indices calculated:	
Geoaccumulation Index (Igeo) after [37]	Igeo = 0 - Unpolluted
$Igeo = \log 2\left(\frac{Ci}{1,5Bi}\right)$	0< Igeo <1 - Unpolluted to moderately polluted 1< Igeo <2 - Moderately polluted 2< Igeo <3 - Moderately to highly polluted 3 < Igeo < 4 - Highly polluted 4< Igeo <5 - Highly to extremely polluted Igeo = 5 - Extremely polluted
Contamination factor (Cf), after [38]	CF < 1 low contamination factor
$Cf = Ci/Bi$	$1 \leq CF < 3$ moderate contamination factor $3 \leq CF < 6$ considerable contamination factor $6 \geq CF$ very high contamination factor
Modified Degree of Contamination (mCD), after [39]	mCd < 1.5 Nil to very low degree of contamination
$mCD = \sum_{i=1}^{n}\left(\frac{CFi}{n}\right)$	$1.5 \leq mCd < 2$ Low degree of contamination $2 \leq mCd < 4$ Moderate degree of contamination $4 \leq mCd < 8$ High degree of contamination $8 \leq mCd < 16$ Very high degree of contamination $16 \leq mCd < 32$ Extremely high degree of contamination $mCd \geq 32$ Ultra high degree of contamination
Potential ecological risk index (PERI) after [38]	PERI < 150 Low
PERI= Cf X Tf (toxic factor)	$150 \leq PERI < 300$ Moderate $300 \leq PERI < 600$ Considerable $600 \leq PERI$ Very High Ecological Risk
Potential toxicity response index (RI) after [40]	RI < 150 Low-grade
RI=∑ PERI	150 < RI < 300 Moderate 300 < RI < 600 Severe 600 < RI Serious
Present day soil metal concentrations were compared with world soil global reference [25].	