

Supplementary material

**Trace elements in soils of a typical industrial district in Ningxia, Northwest China:
pollution, source, and risk evaluation**

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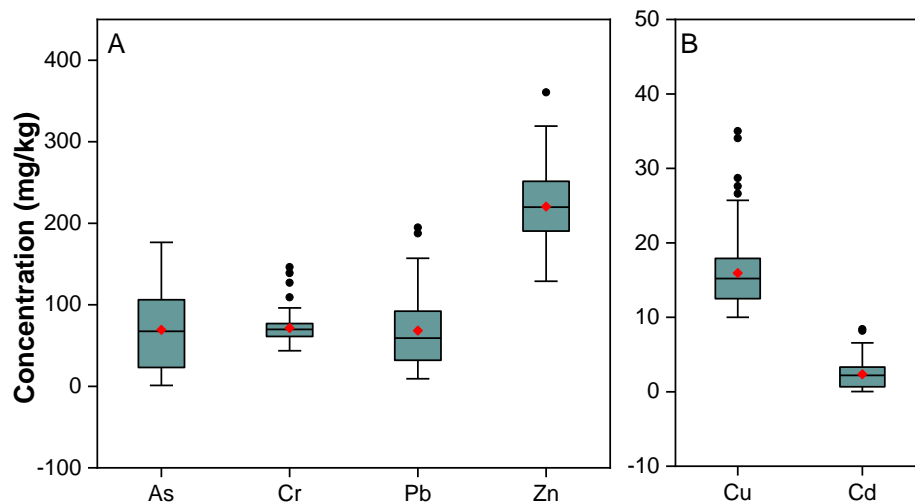


Figure S1. Trace-element concentrations in topsoil samples of Huinong District. The black horizontal line represents the median, and the red filled diamond represents the mean. The boxes represent the 25th-75th percentiles, and the whiskers outside the boxes represent the 10th-90th percentiles. The black filled circle beyond the whiskers represents an outlier with a value of >1.5 - 3.0 times of the box lengths.

Table S1. Best-fitted semivariogram models and the parameters of soil trace elements in Huinong District

Element	Model	C_0	C_0+C	A_0 (km)	$C_0/(C_0+C)$	R^2
As	Exponential	39.5	109.14	23.04	0.362	0.923
Cd	Exponential	0.658	1.942	15.26	0.339	0.933
Cr	Spherical	0.017	0.045	15.33	0.378	0.833
Cu	Exponential	0.00011	0.00024	7.41	0.471	0.921
Pb	Exponential	0.825	3.047	15.61	0.271	0.917
Zn	Exponential	128.2	256.5	10.74	0.500	0.754

C_0 , nugget variance, and C_0+C , sill variance.