Supplementary Materials:

Identifying the Source of Heavy Metal Pollution and Apportionment in Agricultural Soils Impacted by Different Smelters in China by the Positive Matrix Factorization Model and the Pb Isotope Ratio Method

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Table S1.

Regression relationship between heavy metal content (X) and distance (Y) from sample site to smelter (n = 50).

	Element	Equation	R^2
Zhuzhou	Cd	Y = 42.844 - 3.402 x	0.903
	Pb	Y = 49.705 - 0.157 x	0.927
	As	Y = 205.665 - 143.887 ln(x)	0.901
	Hg	Y = 52.514 - 38.815 x	0.915
	Cr	Y = -171.975 + 92.502 ln(x)	0.882
	Ni	Y = -270.111 + 188.009 ln(x)	0.765
	Cu	Y = 66.052 - 0.726 x	0.885
	Zn	Y = 45.640 - 0.042 x	0.920
Huludao	Cd	$Y = 1.055 - 8.512e^{-10} \ln(x)$	0.780
	Pb	Y = 149.372 - 0.150 x	0.928
	As	$Y = 1.345 - 7.256e^{-5} \ln(x)$	0.881
	Hg	Y = 2.177 -0.001 ln(x)	0.908
	Cr	$Y = 1.857 - 2.433e^{-5} \ln(x)$	0.589
	Ni	$Y = 1.459 - 1.570e^{-5} \ln(x)$	0.787
	Cu	Y = 121.866 - 0.016 x	0.714
	Zn	Y = 983.052 - 0.127 x	0.704