

1 Supporting Information

2 Engineered MXene as An Analytical Tool for Health Risk Assessment of 3 Heavy Metals

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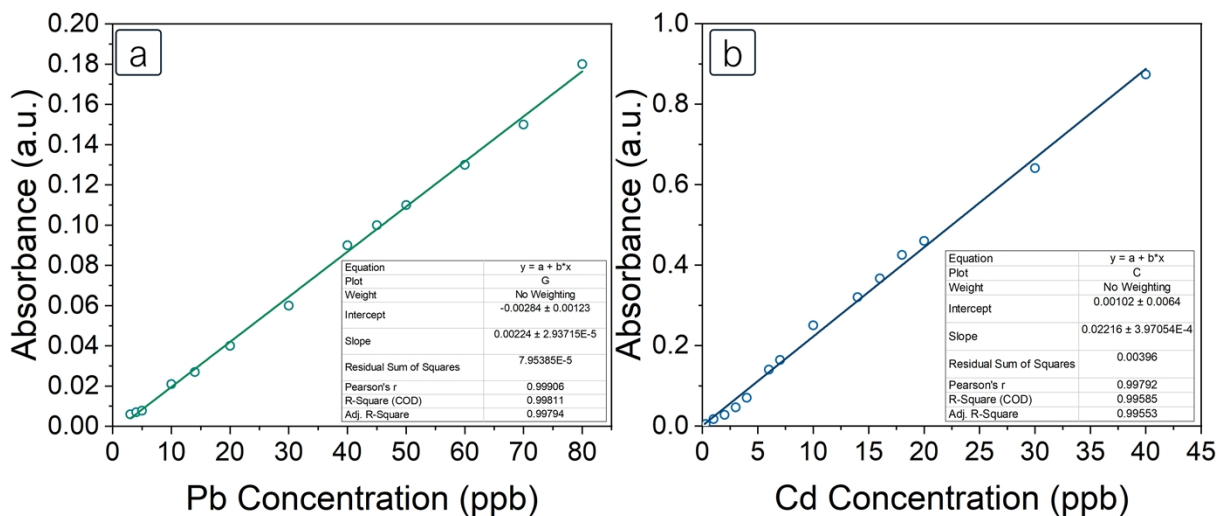


Figure S1. Analytical calibration curves for (a) cadmium and (b) lead ions.

Table S1 Determination of cadmium and lead ions in certified reference materials

Sample	Element	Certified concentration (mg Kg ⁻¹)	Found (mg Kg ⁻¹) (Mean ± tS/N ^{1/2}) N=2, Pr=0.05	Relative error (%)
Taiwan Clay Soil (CRM046)	Cd ^a	7.01	7.18±0.47	2.43
	Pb ^b	45.3	45.55±0.37	0.55

^a Traceable to NIST SRM 3108 Lot 060531

^b Traceable to NIST SRM 3128 Lot 030721