Supplementary Materials

Coupling square wave anodic stripping voltammetry with support vector regression to detect the concentration of lead in soil under the interference of copper accurately

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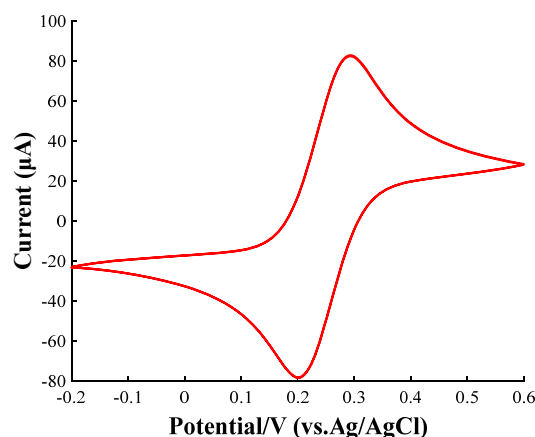## *3.1. Electrochemical Activity of the Bare GCE*

Figure S1. CV curve of the bare GCE in a mixture solution with 5 mM $[Fe(CN)_6]^{3-/4-}$ and 0.1 M KCl.

3.6.2 Analysis of the SVR Model Result for Pb(II) Concentration Detection

Table S1. Prediction results of the SVR model optimized by grid search for Pb(II) concentration.

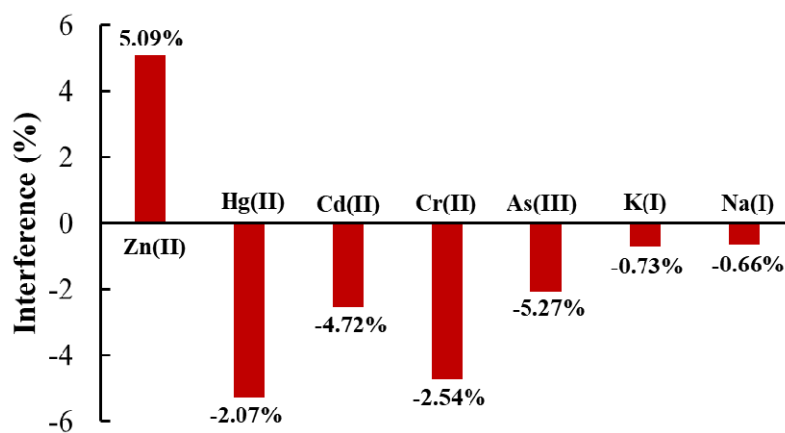| Dataset	R^2	RMSE (µg/L)
training dataset	0.9954	0.9891
test dataset	0.9942	1.1204

Figure S2. Interference of other cations on the stripping peak current of Pb(II) .