

**SIMPLISTIC ONE-POT SYNTHESIS OF INORGANIC-ORGANIC
CUBICAL CAGED MATERIAL: A NEW INTERFACE FOR
DETECTING TOXIC BISPHENOL-A ELECTROCHEMICALLY**

Supporting Information

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Figure: S1. Nuclear magnetic resonance spectra of POSS-OH (A), POSS-SH (B) POSS-Vinyl (C) respectively

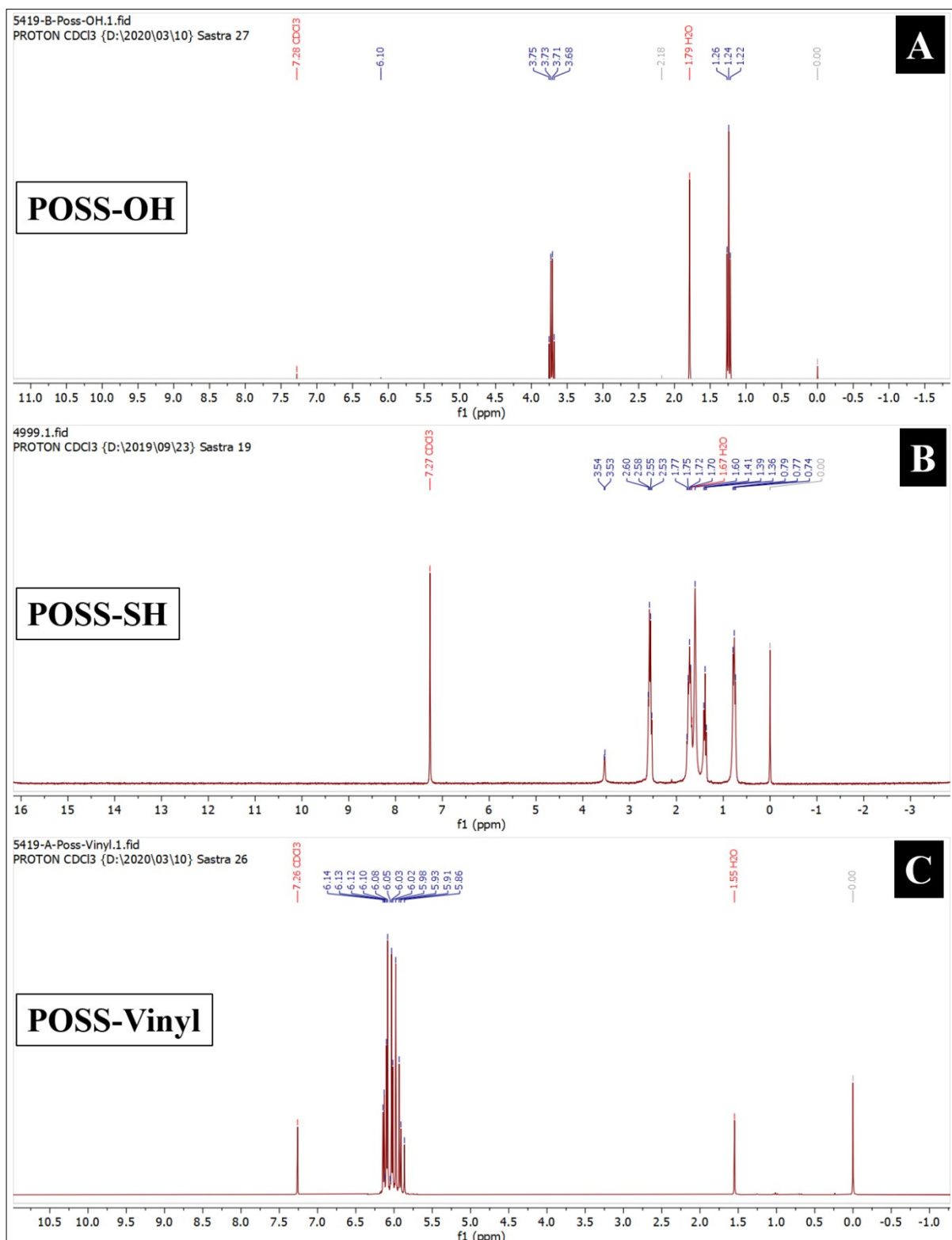


Figure: S2.N₂ adsorption-desorption isothermal analysis (BET) of POSS-Vinyl hybrid material

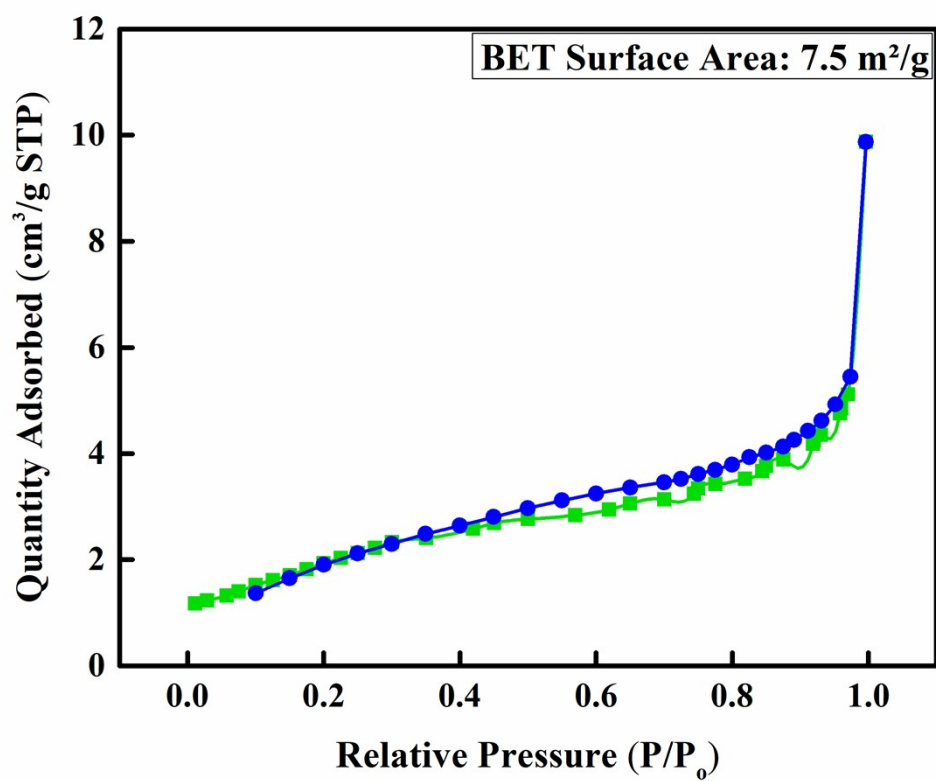


Figure: S3. The scan rate studies for POSS-OH (A&D), POSS-SH (B&E) and POSS-Vinyl (C&F) using cyclic voltammetry in phosphate buffer solution (pH=7) and the scan rate study ranges from 10 to 100mVs⁻¹

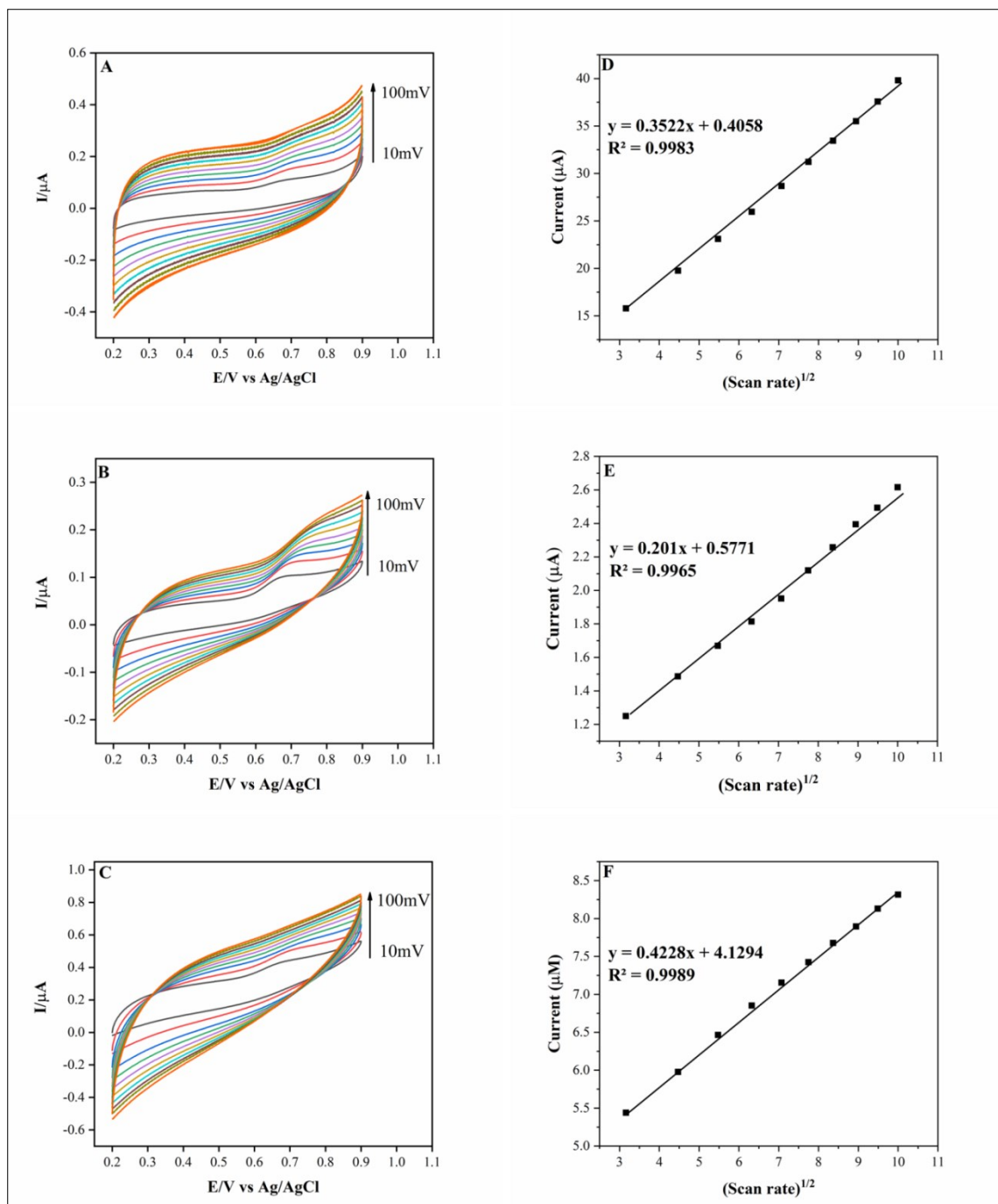


Figure: S4. Cyclic voltammograms of bare GCE & POSS-Vinyl @GCE in 5.0 mM $K_3[Fe(CN)_6]$

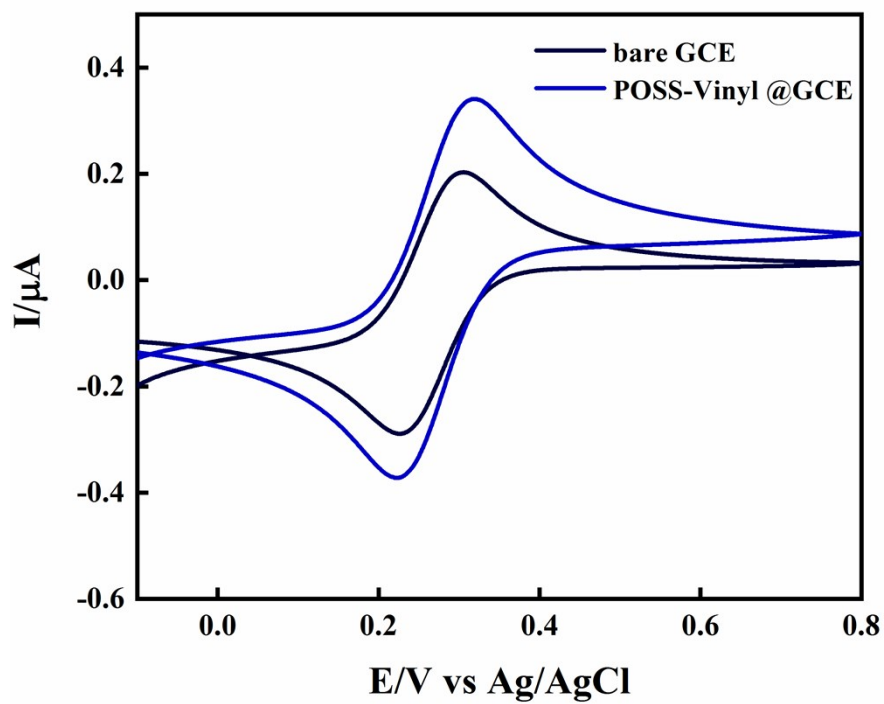


Figure: S5. DPV response of 5 μ M BPA in the presence of interferents over POSS-Vinyl @GCE

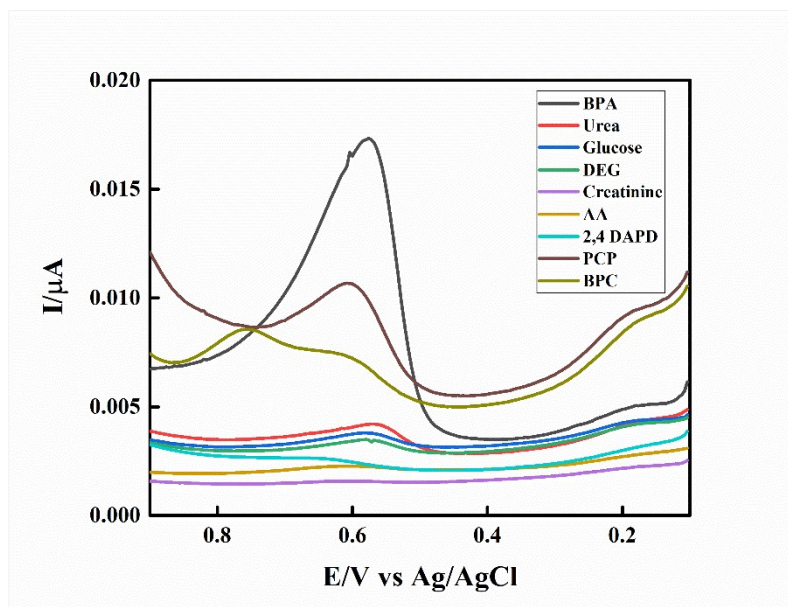


Figure: S6. Real sample analysis of BPA in drinking water (A) and tap water (B).

