

**Figure SI(1):** Variation of peak current over successive measurements. The inset shows eight successive DPASV recorded after 3 min accumulation from an aqueous 2 × 10-6 M Pb2+ solution at pH 6 using GCE/NHAPP05-CA-βcd. Detection in 0.1 M acetate buffer (pH 5) after 15 s electrolysis at -0.8 V.