



**Figure S1.** DPV curves for electrochemical cork-graphite sensor in acidified sample of lagoon by adding standard HCQ solution (10 mM) in well-known volumes to obtain: (a) 5,0 (b) 10, (c) 15, (d) 20, (e) 25, (f) 30, (g) 35, (k) 40, (l) 45, (m) 50, (n) 55, (l) 65, (k) 70  $\mu\text{M}$ . Inset: Plot of electrochemical responses, in terms of current, as a function of HCQ concentration. Equation:  $I_{pa} (\mu\text{A}) = 3.13 \times 10^{-3} \times [\text{HCQ}] - 5.53 \times 10^{-4}$  ( $R^2 = 0.993$ ).