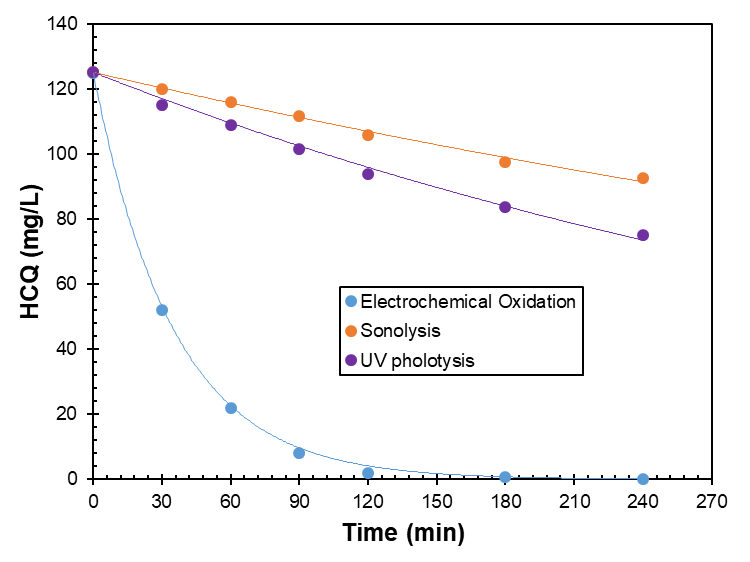


**Figure S1.** Changes of normalized concentration of HCQ, CQLA, and OAA with time during their chemical oxidation by K2S2O8 in aqueous solution. Experimental conditions: initial concentrations: HCQ: 125 mg/L, CQLA: 80 mg/L, OAA: 100 mg/L, S2O82-: 500 mg/L; pH = 3.0; stirring: 300 rpm; T = 25 °C.

**Figure S2.** Changes of normalized concentration of HCQ, CQLA, and OAA with time during their chemical oxidation by H2O2 in aqueous solution. Experimental conditions: initial concentrations: HCQ: 125 mg/L, CQLA: 80 mg/L, OAA: 100 mg/L, H2O2: 250 mg/L; pH = 3.0; stirring: 300 rpm; T = 25 °C.



**Figure S3.** Changes of HCQ concentration with time during EO, sonolysis, UV photolysis of HCQ in aqueous solutions. Operating conditions: [HCQ]0 = 1250 mg/L initial pH = 7.1; T = 25 °C; EO: Anode: BDD, cathode: Stainless steel, 0.05 M Na2SO4,; j = 20 mA/cm2; Sonolysis: Sonication probe (40 mm diameter, 100 mm length, 12 Wcm-2, 24 kHz), sonication power = 9.0 W; UV photolysis: UV lamp (Mercury medium pressure, 𝜆 = 254 nm, 15 W).