Supplemental Material

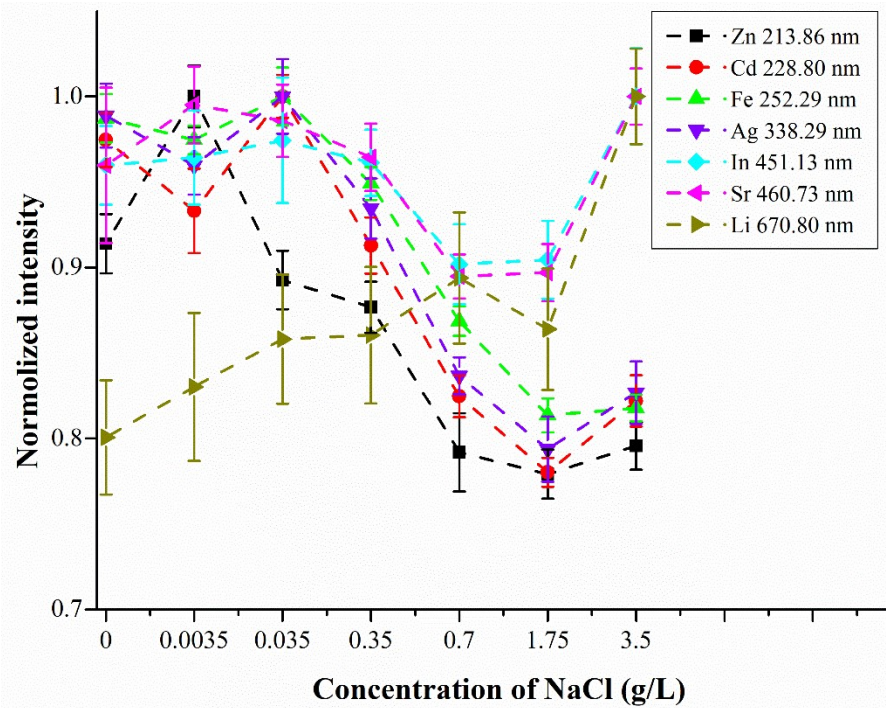

Fig S1. Background emission signals at analyte emission lines at increasing NaCl concentrations, normalized with the maximum value of each series. The integration range of each analyte is as following: Zn: Zn: 213.76-213.98 nm; Cd: 228.77-228.88 nm; Fe: 252.23-252.37 nm; Ag: 338.21-338.36 nm; In: 451.07-451.18 nm; Sr: 460.70-460.80 nm; Li: 670.94-671.13 nm. Please note that x-axis is not linear.

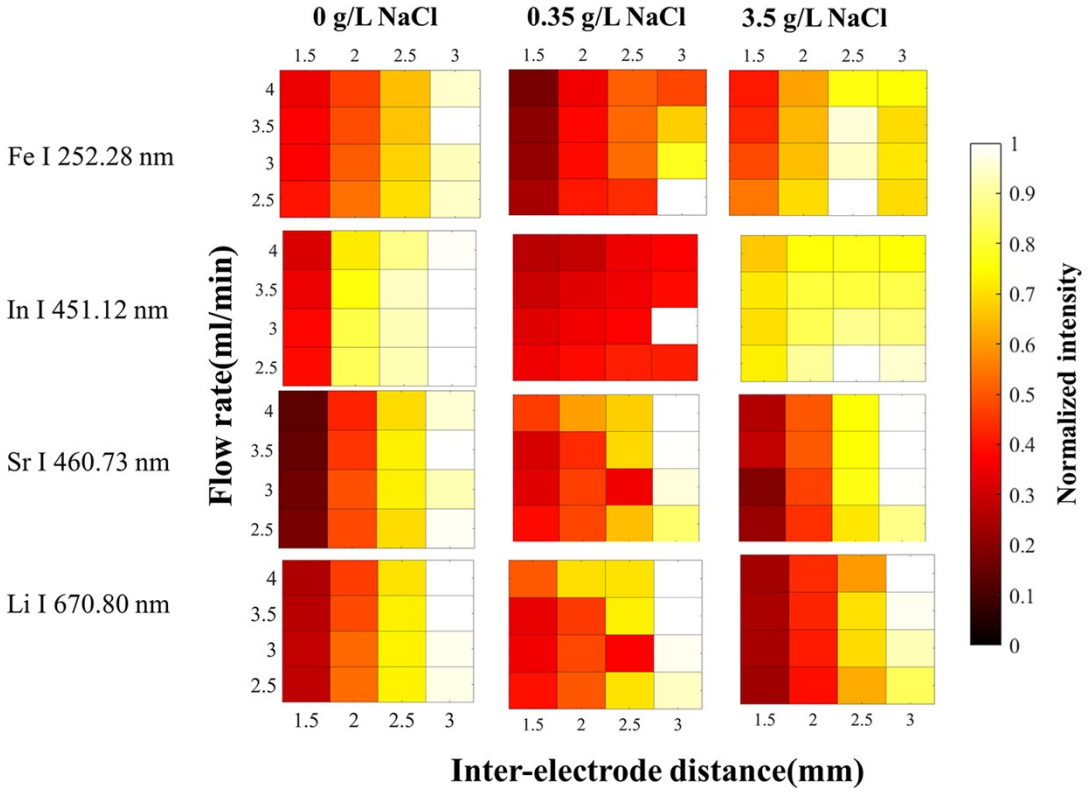

Fig.S2. Relative analyte emission signals of each element measured at different electrode gap distances and flow rates at different NaCl concentrations. NaCl concentration for each element from left to right are 0 g/L, 0.35 g/L and 3.5 g/L

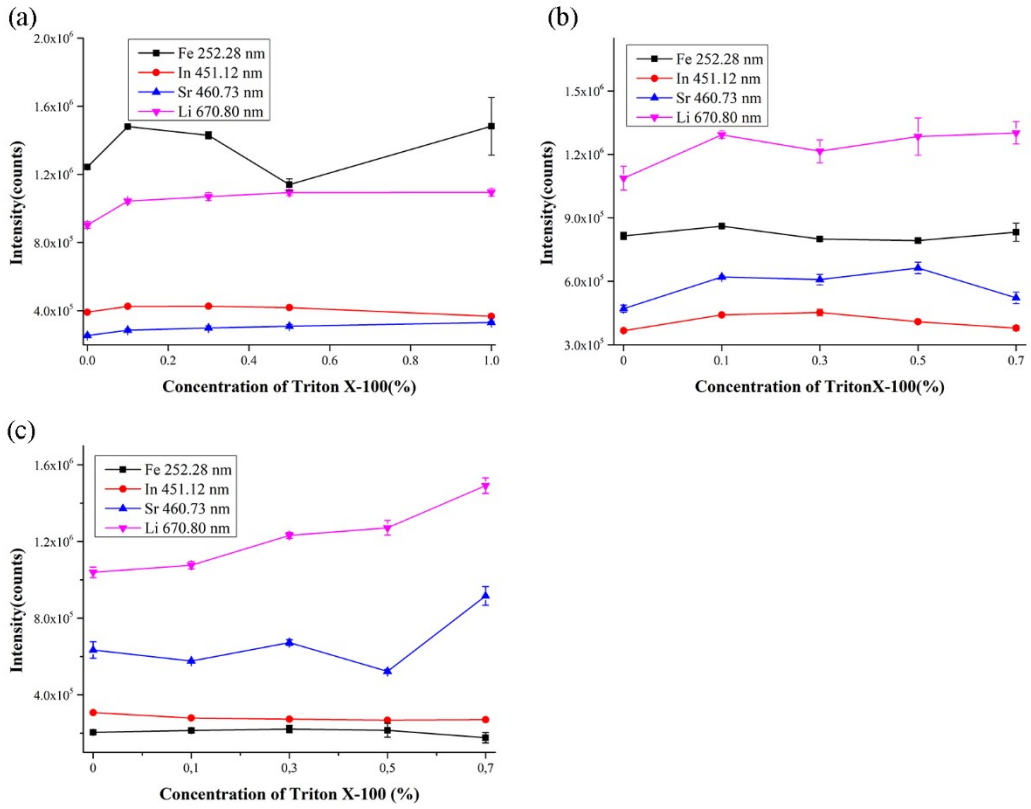

Fig S3. The influence of Triton X-100 on analytes emission signals under different salinities(a) 0 g/L NaCl; (b) 0.35 g/L NaCl; (c) 3.5 g/L NaCl.