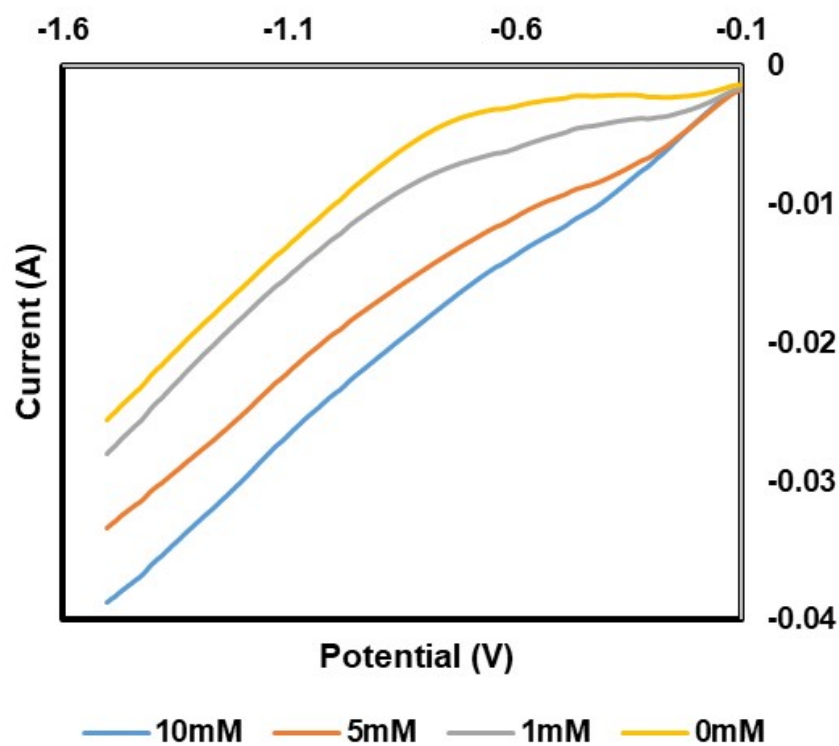
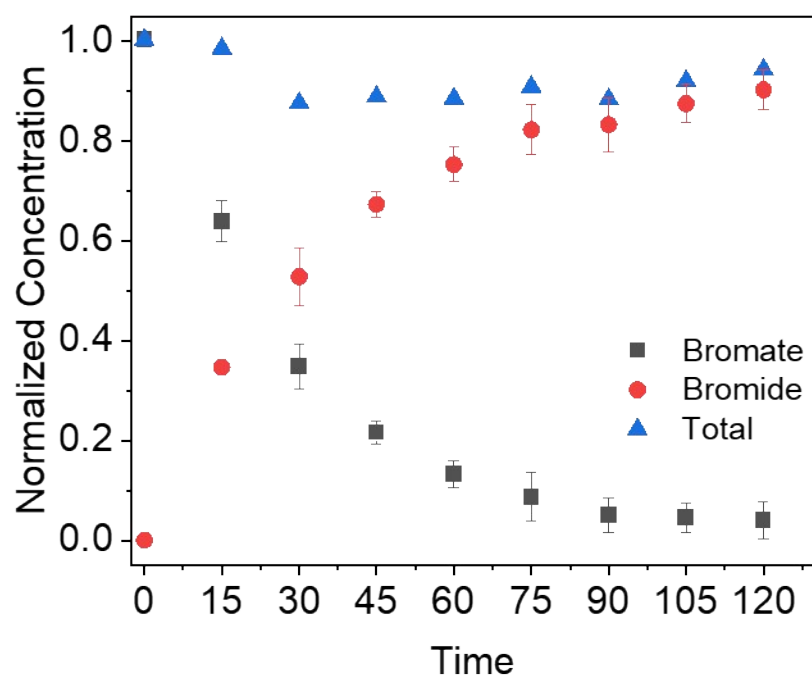


## Supporting Information



**Figure S1.** The actual non-subtracted current-potential curves and blank control used for subtraction in Figure 3a.



**Figure S2.** Bromide generation during the electrochemical reduction process with MP titanium oxide electrode at 3.25 V, 100 mM  $\text{NaClO}_4$  electrolyte.