Supplementary Materials

Efficient Reduction of Bromate by Iodide-Assisted UV/Sulfite Process

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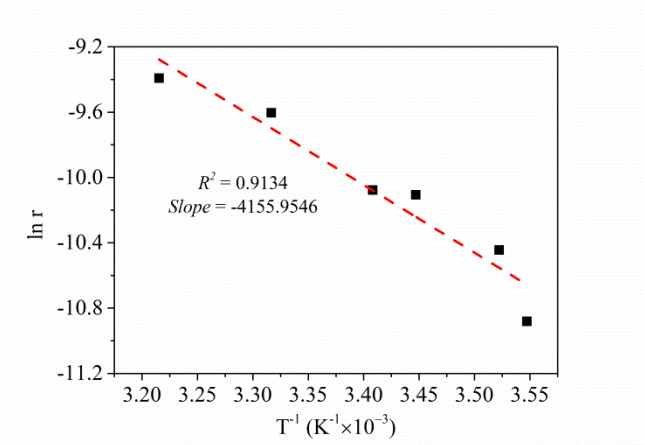

Figure S1. Determination of activation energy of BrO_3^- degradation in the UV/sulfite/I^- process. The dash line indicates the best linear fitting of lnr Vs T^{-1}. Conditions: $[BrO_3^-]_0$ = 10 μM, $[I^-]_0$ = 100 μM, $[Sulfite]_0$ = 1.0 mM, $[DO]_0$ = 7.0 mg·L^{-1}, pH = 9.2, 20 ±1 ℃.

Table S1. Water quality parameters of the four tap waters.

Parameters	Temperature	pH	TOC	HCO_3^-	NO_3^-	NO_2^-	SO_4^{2-}	Cl^-
	℃	-	mg·L^{-1}					
TP1	23.70	8.47	2.26	44.53	9.76	0	18.88	14.91
TP2	25.60	8.25	5.35	50.02	10.25	0	17.97	12.86
TP3	21.30	8.69	3.25	28.06	11.78	0	12.12	9.44
TP4	24.40	8.15	47.00	89.67	14.35	0	52.58	42.99

Notes：

1. The detection of pH was after adding 1 mM SO_3^{2-} and without boric acid buffer solution.
2. No BrO_3^- was detected in the four tap waters.