

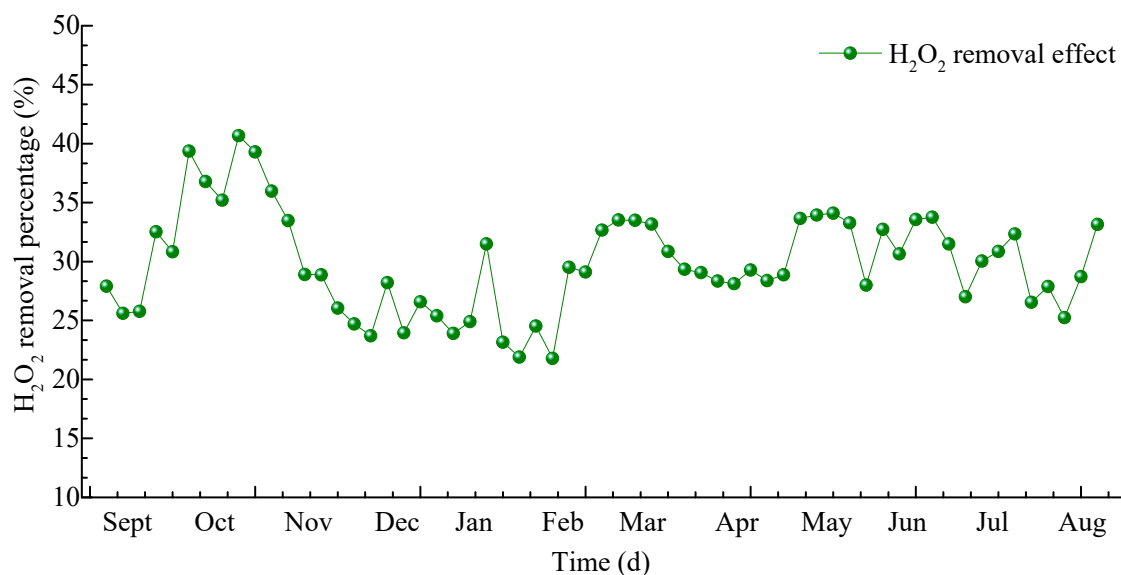
Table S1. characteristics of the activated carbons.

Original parameter	Value (units)
Particle size	8 × 30
Dry density	0.45–0.56 g/cm ³
Specific surface area	974 cm ² /g
Pore volume	0.463 cm ³ /g

Table S2. the contents of THMs and HAAs precursor during UV/H₂O₂ process.

	THMs (mg/L)				TAAs (mg/L)	
	TCM	BDCM	DBCM	MBAA	BDCAA	BCAA
UV/H ₂ O ₂ influent	0.087	0.061	0.047	0.063	0.018	0.011
UV/H ₂ O ₂ effluent	0.11	0.079	0.056	0.068	0.025	0.014
BAC effluent	0.075	0.06	0.047	0.065	0.017	0.011

Note: TCM—Trichloromethane, BDCM—Bromodichloromethane, DBCM—Dibromochloromethane, MBAA—Monobromoacetic acid, BDCAA—Bromodichloroacetic acid, BCAA—Dichloroacetic acid.

**Figure S1.** H₂O₂ utilization rate by UV/H₂O₂ process.