

Table S1 Environmental quality standards for TN, TP and NH₃-N for surface water of China (C represents the concentrations of TN, TP and NH₃-N in each row.) [1]

NO.	Parameter	Water Quality Class				
		I	II	III	IV	V
1	TN/(mg/L)	$C \leq 0.2$	$0.2 < C \leq 0.5$	$0.5 < C \leq 1.0$	$1.0 < C \leq 1.5$	$1.5 < C \leq 2.0$
2	TP/(mg/L)	$C \leq 0.01$	$0.01 < C \leq 0.025$	$0.025 < C \leq 0.05$	$0.05 < C \leq 0.1$	$0.1 < C \leq 0.2$
3	NH ₃ -N/(mg/L)	$C \leq 0.15$	$0.15 < C \leq 0.5$	$0.5 < C \leq 1.0$	$1.0 < C \leq 1.5$	$1.5 < C \leq 2.0$

1. GB 3838-2002; Surface Water Environmental Quality Standards. National Environmental Protection Agency. China Standard Press: Beijing, China, 2002.