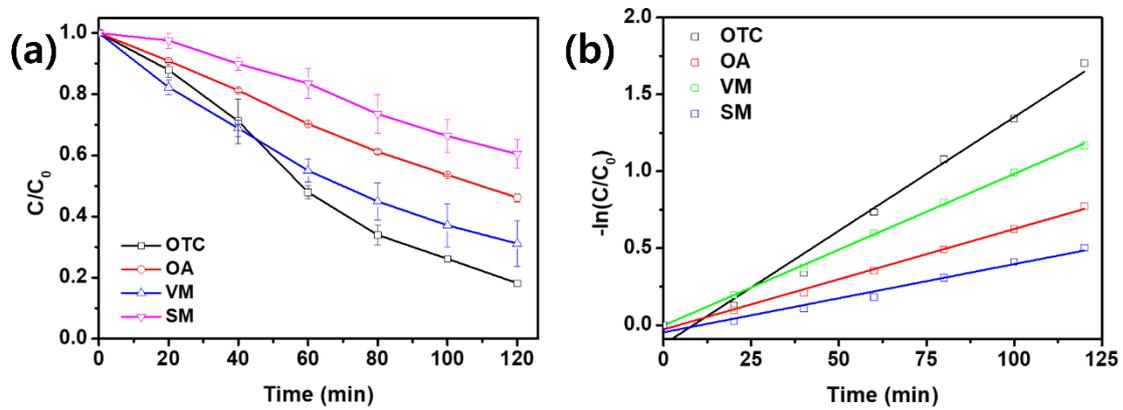
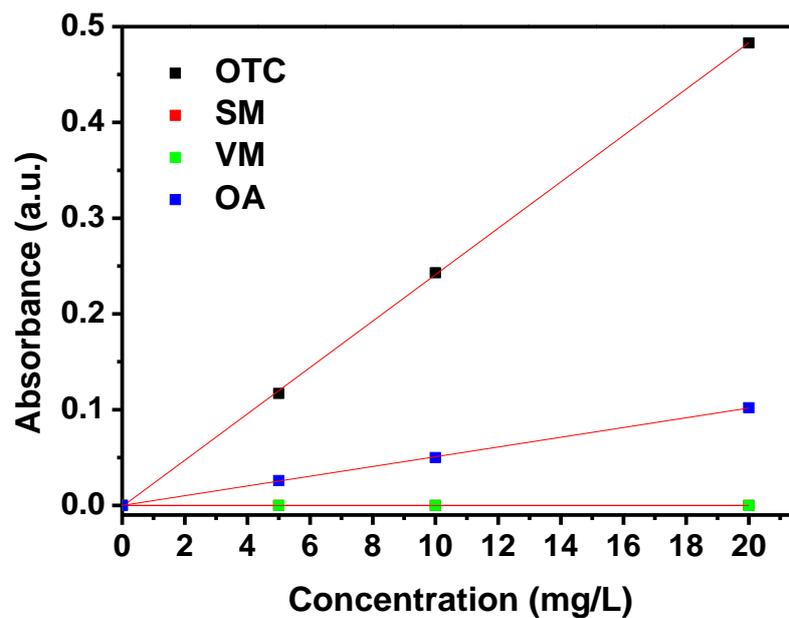


## Supplementary Information

### Photodegradation behavior of agricultural antibiotic oxytetracycline in water



**Figure S1.** (a) Comparison of the degradation efficiencies of four agricultural antibiotics and (b) pseudo-first-order kinetic plots for the four agricultural antibiotics.



**Figure S2.** Measured absorbances of the antibiotics at different concentrations for determination of their extinction coefficients.

**Table S1** Characteristics of actual agricultural water.

Parameters								
	pH	COD (mg/L)	DO (mg/L)	OTC concent ration (mg/L)	Electric al conduct ivity ( $\mu$ S/cm)	T-N (mg/L)	T-P (mg/L)	Cl <sup>-</sup> (mg/L)
Agricul tural water	8.6 $\pm$ 0.2	31.5 $\pm$ 2.5	7.6 $\pm$ 0.0	N.D	319 $\pm$ 10	N.D	N.D	7.8 $\pm$ 1.4

**Table S2.** Determined molar extinction coefficients of the four agricultural antibiotics.

Antibiotic	Molar extinction coefficient ( $M^{-1} cm^{-1}$ )
OTC	11,141
SM	0
VM	0
OA	1,328