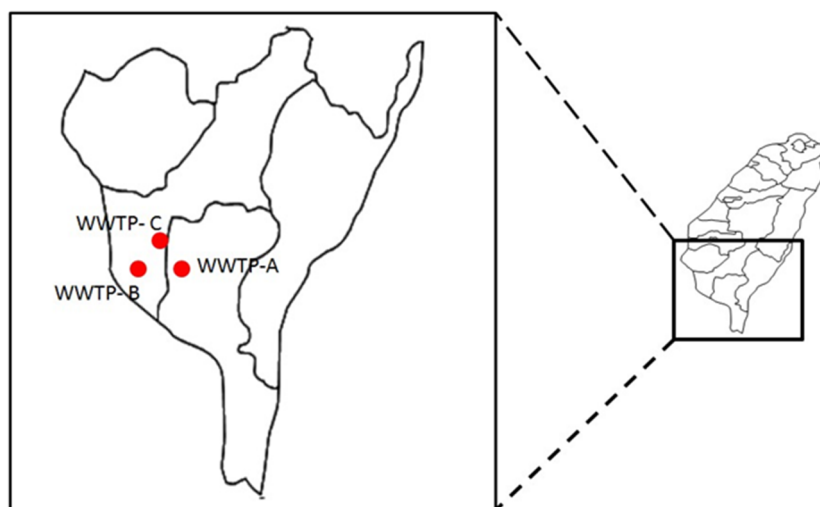


# Supplementary Materials



**Figure S1.** Location map of the study area in Taiwan.

**Table S1.** Instrument parameter conditions of the target compound

Compound	Retention time (min)	UV (nm)	Excitation	Emission
NP	9.2	-	227	313
TCS	7.8	220	-	-
BP-3	5.4	220	-	-
CAF	6.8	273	-	-

**Table S2.** Validation parameters of the method for quantitative analysis of target compound

Compound	Linearity		Recovery (%)	MDL (ng/L)	LOQ (ng/L)
	Equation	Correlation Coefficient (R)			
NP	$y = 40.486x - 1620.4$	0.9998	$110 \pm 6.09$	15	45
TCS	$y = 69.115x + 1535.7$	0.9999	$92 \pm 1.85$	15	45
BP-3	$y = 62.558x + 1062.9$	0.9999	$80 \pm 2.59$	20	60

CAF	$y = 26.564x - 7271$	0.9951	$110 \pm 6.94$	25	75
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