

Decision factor	Suitable compounds	References
Data availability (spatial resolution)	-	WIMS dataset
Data availability (temporal resolution)	Caffeine, Carbamazepine, Gabapentine, Crotamiton, Codeine, Lamotrigine	WIMS dataset (most sampling dates)
Data availability (both datasets)	Atenolol, Azithromycin, Carbamazepine, Clarithromycin, Diclofenac, Erythromycin, Ibuprofen, Metformin, Propranolol, Ranitidine, Sertraline	WIMS dataset and CIP database (compounds found in both)
Environmental risk	Diclofenac and Ethinylestradiol	Most often prioritized in a review of prioritization methodologies (Burns et al., 2018b)
Chemical stability	To be determined	Based on literature and/or stability test (pilot study)
Sensitivity required for laboratory analysis of field samples	To be determined	Based on expected concentrations in environmental samples (from literature) and university laboratory equipment capacity
Cost	To be determined	Based on guidance from the Analytical Laboratory staff