**Supplementary Information for Liquid chromatography-tandem mass
spectrometry to determine sedative hypnotic drugs in river water and
wastewater**

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Table S1. SRM conditions. Quantifier and confirmation ions for determination of benzodiazepines and barbiturates.

Compound	Precursor ion	Product ions				Cone Voltage (V)
		Quantifier	Confirmation 1		Confirmation 2	
Barbital (BTL)	183	140 (5)	42 (15)			90
Phenobarbital (PNB)	231	42 (9)	188 (6)			90
Bromazepam (BMZ)	316	182 (35)	209 (25)	288 (18)		140
Carbamazepine (CBZ)	237	194 (15)	179 (35)			120
Pentobarbital (PTB)	225	182 (7)	42 (14)			100
Secobarbital (SCB)	237	194 (6)	42 (14)			90
Diazepam (DZP)	285	193 (35)	222 (27)	154 (25)		150
Nordiazepam (NDZ)	271	140 (25)	165 (30)	208 (30)		150

Collision Energy (eV) in brackets

Figure S1. Chromatographic separation

Figure S1 shows the chromatographic separation in influent sample spiked at 250 ng/L for barbiturates and 25 ng/L for benzodiazepines. For the rest of the chromatographic conditions see the manuscript section 2.4.

Figure S2. Breakthrough volume in the different matrices