
Supplementary Material for:

Determination of bezafibrate, methotrexate, cyclophosphamide, orlistat and enalapril in waste and surface waters using on-line solid-phase extraction liquid chromatography coupled to polarity-switching electrospray tandem mass spectrometry

Table S1: Timetable for the on-line preconcentration and analysis of the target compounds in wastewater samples.

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Time (min)	Pump 1	Pump 2	PC
0- 1.40	load precolumn conditioning solution 1 mL/min	analytical column conditioning initial gradient 0.2 mL/min	wait
1.41-12.0	wait	gradient 0.2 mL/min	Data acquisition
12.1-14.0	precolum cleaning 1 mL/min acn/meoh	analytical column conditioning initial gradient 0.2 mL/min	
14.1-15.0	precolum conditioning conditioning solution 1 mL/min	analytical column conditioning initial gradient 0.2 mL/min	

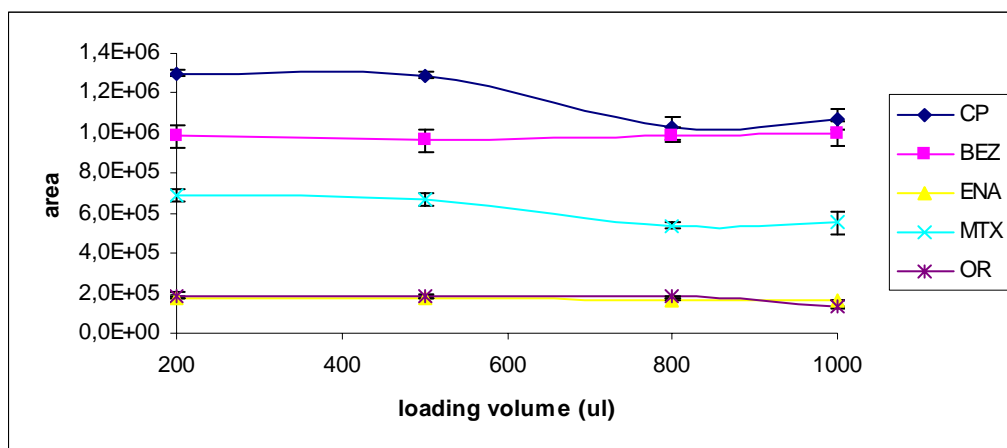


Figure S1 Experimental variations of peak area and loading volume with Milli-Q purified water samples having a constant amount of 0.1 ng of the pharmaceuticals (n=3). Loading column Strata-X, analytical column sinergi C12 (75 x 2.4 mm), flow rate 1 mL/min; mobile phase, acetonitrile gradient with acidified water pH 2.9 with acetic acid.

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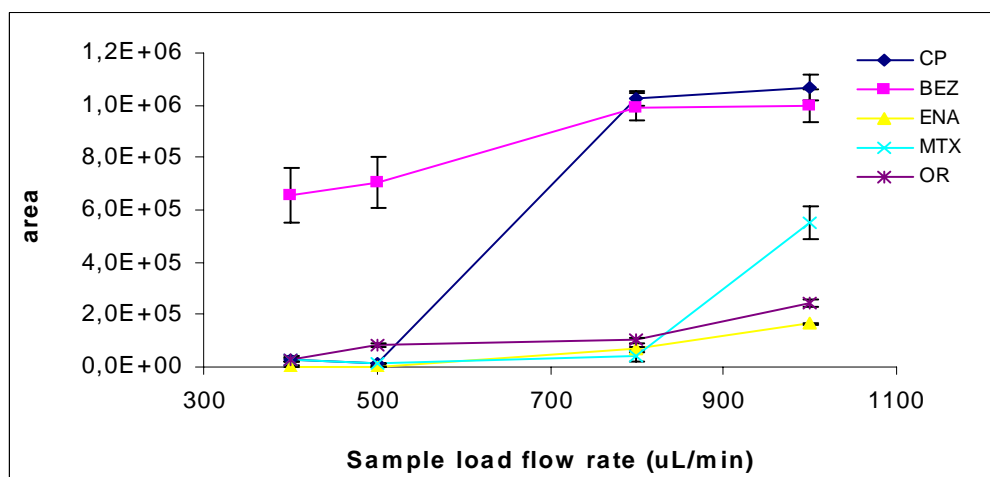


Figure S2. Effect of sample load flow rate on analysis response area with Milli-Q purified water samples having a constant amount of 0.1 ng of the pharmaceuticals (n=3). Loading column Strata-X, analytical column sinergi C12 (75 x 2.4 mm), flow rate 1 mL/min; mobile phase, acetonitrile gradient with acidified water pH 2.9 with acetic acid.

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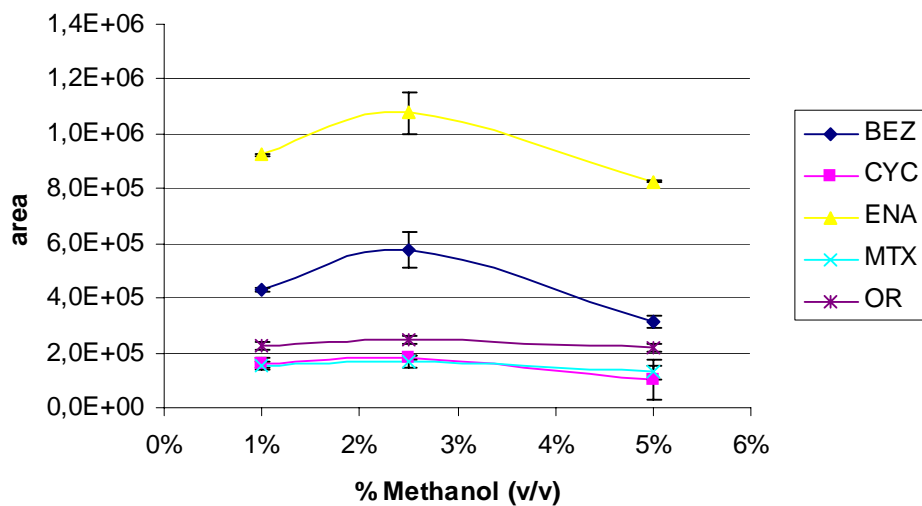


Figure S3. Effect of addition of methanol to water samples (1, 2.5 and 5% v/v) on analysis response area with Milli-Q purified water samples having a constant amount of 0.1 ng of the pharmaceuticals (n=3).