Table S3. Frequency detection and geographic distribution of pharmaceuticals in surface water (2017_2018_2019).

	Period	2017						2018					2019		
	Season	March April			May June		April May	May June			Sep October		April May	July	
	Water bodies	Tejo	Tejo	Vouga	Caia	Ria Formosa	Ave	Ave	Arade	Ria Formosa	Tejo	Tâmega	Rio Tinto	S.Domingos	
	Station Nr. (n=13)	8	7	5	10	12	1	2	13	11	9	3	4	6	Frequency
Pharmacoterapeutical Group	**Active Substance**														(d/n)x100 %[1]
	Penicillins	Amoxicillin			X									X		15
	Quinolones	Enrofloxacin				X	X	X			X					31
		Ciprofloxacin			X	X	X	X		X	X					46
		Norfloxacin							X							8
	Sulphonamides	Sulfamethoxazole			X			X						X		23
		Sulfamethazine													X	8
Antibiotics	Macrolides	Erythromycin				X		X	X				X	X		38
		Azithromycin					X									8
		Clarithromycin					X	X	X		X		X	X		46
	Trimethoprim	Trimethoprim								X		X				15
	Tetracyclines	Tetracycline			X			X			X			X		31
	Lincosamides	Lincomycin								X	X					15
Beta-lactamase inhibitors		Clavulanic acid				X								X		15
		Tazobactam							X		X					15
Antiviral		Abacavir			X	X	X	X	X	X	X	X		X		69
	Geographic distribution	0	0	5	5	5	7	5	4	7	2	2	7	1	**∑ 50 detected ative substances**	
	Region	West/Tejo	West/Tejo	Centre	Alentejo	Algarve	North	North	Algarve	Algarve	West/Tejo	Center	North	West/Tejo	North:19 – 38% Algarve:16 – 32% Centre:7 – 14% Alentejo:5 – 10% West/Tejo:3 – 6%	

[1] Frequency=(d/n)x100, where *d*=number of detections and *n*=number of stations.