

Concentrations of PPCs in surface water and treated drinking water (ng L⁻¹).

Map of station identification and sampling dates available on request.

Therapeutic use	Antibiotic			Anticoagulant			Anticonvulsant			Anti-anxiety			Antineoplastic			β-blocker			Contrast media			Lipid regulator			NSAID and analgesic			Opioid analgesic			Psycho-stimulant		
Molecule	CIP	FMQ	NOR	OFL	SFMZ	TRP	WAR	CBZ	OZP	CYCL	ATE	IOP	CLO	ACE	IBU	SA	COD	MRP	CAF	DMX													
LD (S/N=3) ng L ⁻¹	1.5	0.3	1.5	1.5	1.5	0.3	1.5	1.5	0.3	1.5	0.3	3.75	1.5	1.5	15	9	0.3	1.5	4.5	1.5													
LQ (S/N=5) ng L ⁻¹	5	1	5	5	5	1	5	5	1	5	1	12.5	5	5	50	30	1	5	15	5													
Surface water																																	
Station 1 s1	n.d.*	0.7**	n.d.	n.d.	n.d.	7.8	n.d.	5.3	8.4	n.d.	2.4	- ***	-	n.d.	n.d.	-	-	n.d.	33.3	n.d.													
Station 1 s2	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	6.8	n.d.	n.d.	26.8	-	n.d.	n.d.	n.d.	63.4	n.d.													
Station 1 s3	-	n.d.	-	n.d.	-	0.5	-	-	9.7	n.d.	-	n.d.	-	17.7	n.d.	-	-	-	57.6	58													
Station 2 s1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	7.5	n.d.	n.d.	n.d.	-	n.d.	-	n.d.	n.d.	n.d.	42.1	15.8													
Station 2 s2	n.d.	0.5	-	n.d.	-	n.d.	n.d.	n.d.	1.3	n.d.	n.d.	n.d.	-	n.d.	-	n.d.	n.d.	n.d.	9.4	1.6													
Station 3 s1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	4.4	17.3	n.d.	5.2	n.d.	-	22.1	n.d.	-	n.d.	n.d.	71.5	30.6													
Station 4 s1	-	1.1	-	6.4	5.5	-	-	-	40.3	n.d.	25.9	n.d.	-	34.5	-	-	6.4	n.d.	105	108.2													
Station 4 s2	n.d.	n.d.	n.d.	n.d.	n.d.	2.5	n.d.	-	8.6	n.d.	16.5	n.d.	n.d.	38.1	n.d.	n.d.	7.2	n.d.	100.1	116.3													
Station 4 s3	-	-	-	-	-	-	-	-	-	n.d.	-	-	n.d.	-	-	-	-	-	74.4	78													
Station 4 s4	n.d.	0.7	-	n.d.	1.8	1.3	-	-	11.6	n.d.	15.9	-	2.8	91.8	n.d.	9.5	7.1	n.d.	85.6	163.5													
Station 4 s5	n.d.	0.3	-	n.d.	n.d.	n.d.	n.d.	-	5.3	n.d.	0.5	n.d.	-	n.d.	41.3	n.d.	n.d.	n.d.	15.9	13.9													
Station 4 s6	-	1.3	-	5.3	n.d.	-	-	-	25	n.d.	11.5	n.d.	-	6.6	-	-	n.d.	n.d.	25	n.d.													
Station 4 s7	-	-	-	-	-	-	-	-	-	n.d.	-	-	n.d.	-	-	-	-	-	n.d.	n.d.													
Station 5 s1	-	-	-	n.d.	2.6	-	-	-	-	n.d.	5.3	n.d.	-	19	-	-	n.d.	n.d.	n.d.	34.4													
Station 5 s2	-	-	-	n.d.	n.d.	-	-	-	-	n.d.	1.3	n.d.	-	n.d.	-	-	n.d.	n.d.	n.d.	n.d.													
Station 6 s1	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	n.d.	n.d.	n.d.	23.6	-	n.d.	-	-	43.2	41.2													
Station 7 s1	n.d.	n.d.	1.6	n.d.	n.d.	n.d.	n.d.	-	0.3	n.d.	4.7	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.													
Station 7 s2	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	17.4	n.d.	16	55.4	n.d.	201.4	-	-	8.8	n.d.	116.8	184.9													
Station 8 s1	n.d.	1	n.d.	n.d.	6.3	n.d.	n.d.	-	19.7	n.d.	17.2	17.4	n.d.	271.4	n.d.	n.d.	5.5	n.d.	111.8	96.5													
Station 8 s2	n.d.	0.9	n.d.	n.d.	5.2	3.3	-	-	11.8	n.d.	14.7	26.2	3.2	104.8	n.d.	n.d.	5.2	n.d.	98.2	105.1													
Station 9 s1	n.d.	0.5	n.d.	n.d.	2.2	1.62	n.d.	-	6.7	n.d.	10.8	n.d.	n.d.	57.8	n.d.	31.8	5.1	n.d.	68	54													
Station 10 s1	n.d.	0.6	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	3.3	n.d.	194.1	71.1	n.d.	n.d.	n.d.	n.d.	33.4	39.8													
Station 11 s1	n.d.	0.3	n.d.	n.d.	n.d.	n.d.	n.d.	-	7.2	n.d.	12	15.9	n.d.	91.4	30.3	11.5	5.6	n.d.	70.1	83.7													
Station 11 s2	-	0.5	-	-	n.d.	-	1.5	-	-	-	8.8	n.d.	n.d.	48.2	-	n.d.	-	-	53.9	78.8													
Station 11 s3	n.d.	0.4	n.d.	n.d.	2.1	1	-	-	5.4	n.d.	9.5	31.8	3.4	38.1	n.d.	n.d.	4.1	n.d.	56	70.4													
Station 11 s4	n.d.	0.7	-	n.d.	-	-	1.8	n.d.	19.6	n.d.	-	-	-	-	-	-	-	-	53	-													
Station 12 s1	-	0.83	-	-	-	2.5	-	18	-	n.d.	11.8	-	-	20	-	-	-	n.d.	78.1	97.2													
Station 12 s2	n.d.	26.4	n.d.	3.1	n.d.	2.9	n.d.	n.d.	68.7	n.d.	13.7	15.7	-	21.8	n.d.	-	7.1	n.d.	47.4	24													
Station 12 s3	n.d.	1.2	-	9.6	18.3	4.1	n.d.	-	27.2	n.d.	29.9	122.1	-	46.1	n.d.	n.d.	11.9	5.4	252.7	173.2													
Station 13 s1	n.d.	n.d.	n.d.	n.d.	2.2	0.4	n.d.	-	19.4	n.d.	2.9	44.5	n.d.	n.d.	-	-	2.1	n.d.	40.4	39.6													
Station 13 s2	-	-	-	-	-	-	-	-	-	n.d.	-	-	3	-	-	-	-	-	22.3	14.9													
Station 13 s3	n.d.	n.d.	-	n.d.	15.9	8.1	-	-	17.2	n.d.	n.d.	-	5.4	21.6	n.d.	90.7	16	n.d.	80.3	88.2													
Station 14 s1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	1.1	n.d.	-	7.7	n.d.	-	n.d.	n.d.	16.6	14.6													
Station 14 s2	-	-	-	-	-	-	-	-	-	n.d.	-	-	3.2	-	-	-	-	-	-	38.7													
Station 14 s3	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	-	10.8	n.d.	7.5	-	2.7	89.8	78.5	n.d.	n.d.	n.d.	53.1	21													
Station 15	-	1.3	-	n.d.	n.d.	n.d.	-	-	30.2	n.d.	-	n.d.	-	n.d.	-	-	2	n.d.	n.d.	n.d.													
Station 16	-	n.d.	-	n.d.	n.d.	n.d.	-	-	18	n.d.	n.d.	n.d.	-	21.5	-	-	8.1	-	48.1	44.5													
Station 17	-	n.d.	-	n.d.	n.d.	0.7	-	-	27.9	n.d.	-	n.d.	-	28.4	-	-	8.3	n.d.	60.1	74													
Station 18	-	n.d.	-	1.7	n.d.	n.d.	-	-	25.4	n.d.	-	n.d.	-	n.d.	-	-	n.d.	n.d.	133.4	46.2													
Station 19	-	n.d.	-	n.d.	n.d.	n.d.	-	-	20.5	n.d.	-	55.4	-	14	-	-	n.d.	n.d.	84.5	45.7													
Station 20	-	1.1	-	1.6	n.d.	1.2	-	-	52.9	n.d.	-	n.d.	-	36.9	-	-	n.d.	1.5	73.9	58													
Station 21	-	n.d.	-	n.d.	-	3.5	-	-	17.8	n.d.	-	241.3	-	21	n.d.	-	-	-	112.6	140.4													
Station 22	-	n.d.	-	n.d.	-	2.4	-	-	21.9	n.d.	-	239.6	-	90.5	n.d.	-	-	-	121.3	184.9													
Station 23	n.d.	n.d.	-	n.d.	1.8	n.d.	-	-	5.5	n.d.	5.9	-	2.9	9.1	n.d.	31	n.d.	n.d.	57.8	60.9													
Station 24	n.d.	0.4	-	n.d.	n.d.	0.7	-	-	11.7	n.d.	20.5	-	n.d.	230.6	n.d.	n.d.	12.6	n.d.	83.7	86.9													
Station 25	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	4.6	n.d.	n.d.	n.d.	2.3	14.6	n.d.	n.d.	1.1	n.d.	50.4	28.6													
Station 26	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	4.1	n.d.	2.9	18.07	n.d.	n.d.	n.d.	n.d.	44.6	24													
Station 27	n.d.	n.d.	-	-	-	1.2	n.d.	5.5	18.7	n.d.	5	n.d.	-	15.1	-	-	1.7	n.d.	41.5	24.7													
Station 28	-	-	-	-	n.d.	0.5	n.d.	-	n.d.	n.d.	3.9	n.d.	n.d.	278.5	-	-	1.6	n.d.	34.2	30.8													
Station 29	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	-	0.3	n.d.	n.d.	n.d.	3.8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.													
Station 30	-	-	-	n.d.	n.d.	-	-	-	-	n.d.	n.d.	n.d.	-	n.d.	-	-	n.d.	n.d.	5	n.d.													
Station 31	n.d.	0.4	n.d.	n.d.	n.d.	1.1	n.d.	-	n.d.	n.d.	0.9	n.d.	n.d.	n.d.	n.d.	44.9	n.d.	n.d.	21	5.7													

Therapeutic use	Antibiotic						Anticoagulant		Anticonvulsant	Anti-anxiety	Antineoplastic	β-blocker	Contrast media	Lipid regulator	NSAID and analgesic			Opioid analgesic		Psycho-stimulant	
Molecule	CIP	FMQ	NOR	OFL	SFMZ	TRP	WAR	CBZ	OZP	CYCL	ATE	IOP	CLO	ACE	IBU	SA	COD	MRP	CAF	DMX	
LD (S/N=3) ng L ⁻¹	1.5	0.3	1.5	1.5	1.5	0.3	1.5	1.5	0.3	1.5	0.3	3.75	1.5	1.5	15	9	0.3	1.5	4.5	1.5	
LQ (S/N=5) ng L ⁻¹	5	1	5	5	5	1	5	5	1	5	1	12.5	5	5	50	30	1	5	15	5	
Treated drinking water																					
Station 1 t1	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	1.2	n.d.	n.d.	n.d.	-	27.8	n.d.	n.d.	4.8	n.d.	
Station 2 t1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	1.5	n.d.	n.d.	1.6	n.d.	91.8	n.d.	n.d.	5.5	n.d.	
Station 2 t2	n.d.	n.d.	-	n.d.	-	n.d.	n.d.	n.d.	0.8	n.d.	n.d.	n.d.	-	n.d.	-	n.d.	n.d.	n.d.	10.7	2.2	
Station 3 t1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	
Station 4 t1	-	n.d.	-	n.d.	-	n.d.	-	-	12.2	n.d.	n.d.	n.d.	-	14.4	-	-	0.9	n.d.	17.3	n.d.	
Station 4 t2	-	-	-	-	-	-	-	-	-	n.d.	-	-	n.d.	-	-	-	-	-	23.8	21.7	
Station 5 t1	-	-	-	n.d.	n.d.	-	-	-	-	n.d.	n.d.	n.d.	-	n.d.	-	-	n.d.	n.d.	n.d.	n.d.	
Station 6 t1	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	n.d.	n.d.	1.7	n.d.	-	n.d.	-	-	n.d.	n.d.	
Station 7 t1	n.d.	0.4	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	0.7	n.d.	n.d.	n.d.	n.d.	15.4	n.d.	n.d.	15.1	n.d.	
Station 8 t1	1.9	0.5	n.d.	n.d.	n.d.	n.d.	-	-	n.d.	n.d.	n.d.	10.4	5.1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	
Station 9 t1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	1.5	n.d.	n.d.	n.d.	1.5	1.9	n.d.	n.d.	n.d.	n.d.	12	3.1	
Station 10 t1	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	1.2	n.d.	0.4	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	
Station 11 t1	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	n.d.	n.d.	n.d.	n.d.	-	n.d.	-	-	n.d.	9.7	
Station 32 t1	n.d.	n.d.	-	n.d.	n.d.	n.d.	-	-	2.2	n.d.	1.1	-	1.6	2.1	n.d.	31.4	n.d.	n.d.	13.5	n.d.	
Station 32 t2	-	n.d.	n.d.	-	n.d.	-	n.d.	-	-	-	2.4	n.d.	2	n.d.	-	19.9	-	-	23	n.d.	
Station 33	-	0.3	-	-	-	n.d.	-	n.d.	-	n.d.	n.d.	-	-	n.d.	-	-	-	n.d.	11.1	12.7	
Station 34	-	0.5	-	-	-	n.d.	-	n.d.	-	n.d.	n.d.	-	-	n.d.	-	-	-	n.d.	6.6	2.5	
Station 35	-	n.d.	-	-	-	n.d.	-	n.d.	-	n.d.	n.d.	-	-	2	-	-	-	n.d.	9.02	n.d.	
Station 36	n.d.	0.6	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	-	n.d.	n.d.	-	-	n.d.	n.d.	n.d.	
Station 37	n.d.	0.3	-	n.d.	-	n.d.	n.d.	n.d.	1.1	n.d.	-	-	-	-	-	-	-	-	8.9	-	
Station 38	-	n.d.	-	n.d.	-	n.d.	n.d.	1.9	3.4	n.d.	-	-	-	-	-	-	-	-	12.8	-	
Station 39	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	
Station 40	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	-	n.d.	n.d.	11.8	n.d.	
Station 41	n.d.	n.d.	-	-	-	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	-	-	n.d.	n.d.	7.7	2.5	
Station 42	-	n.d.	-	n.d.	n.d.	n.d.	-	-	n.d.	n.d.	n.d.	11.9	-	n.d.	-	-	n.d.	n.d.	19.4	n.d.	
Station 43	-	n.d.	-	n.d.	n.d.	n.d.	-	-	n.d.	n.d.	-	n.d.	-	n.d.	-	-	n.d.	-	n.d.	n.d.	
Station 44	-	-	-	-	n.d.	n.d.	n.d.	-	2.1	n.d.	n.d.	n.d.	-	n.d.	-	-	n.d.	n.d.	n.d.	n.d.	
Station 45	n.d.	n.d.	-	n.d.	n.d.	n.d.	-	-	0.4	n.d.	n.d.	-	2.6	n.d.	n.d.	15.5	n.d.	n.d.	n.d.	n.d.	
Station 46	n.d.	0.7	-	2.1	n.d.	n.d.	n.d.	-	0.7	n.d.	n.d.	n.d.	-	3.4	n.d.	n.d.	n.d.	n.d.	21.1	n.d.	
Station 47	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	2.8	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	2.7	
Station 48	-	-	-	n.d.	n.d.	-	-	-	-	n.d.	n.d.	n.d.	-	n.d.	-	-	n.d.	n.d.	8	n.d.	
Station 49	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	n.d.	n.d.	2.5	3.6	-	n.d.	-	-	5.3	n.d.	
Station 50	-	-	-	-	-	-	-	-	-	n.d.	-	-	2.6	-	-	-	-	-	n.d.	3.8	
Station 51	n.d.	0.5	n.d.	n.d.	n.d.	0.3	n.d.	-	1.1	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	15.2	-	
Station 52	-	n.d.	-	-	-	n.d.	-	n.d.	-	n.d.	n.d.	-	-	6	-	-	-	n.d.	n.d.	n.d.	
Station 53	-	-	-	-	n.d.	0.8	n.d.	-	1.6	n.d.	0.9	n.d.	n.d.	n.d.	-	-	n.d.	n.d.	5.5	n.d.	
Station 54	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	n.d.	1.7	-	-	n.d.	n.d.	n.d.	n.d.	
Station 55	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	0.4	n.d.	n.d.	n.d.	-	-	n.d.	n.d.	6.5	n.d.	
Station 56	n.d.	n.d.	-	n.d.	n.d.	n.d.	-	-	0.9	n.d.	n.d.	-	1.6	n.d.	n.d.	50.8	n.d.	n.d.	n.d.	2.2	
Station 57	n.d.	n.d.	1.5	1.8	n.d.	n.d.	-	-	0.5	n.d.	n.d.	n.d.	4.2	n.d.	n.d.	50.9	n.d.	n.d.	26	5.1	
Station 58	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	-	2.2	n.d.	n.d.	n.d.	n.d.	28.8	5	
Station 59	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	-	n.d.	n.d.	0.4	n.d.	-	1.5	36.1	n.d.	n.d.	n.d.	34	7.1	
Station 60	n.d.	n.d.	-	n.d.	n.d.	n.d.	n.d.	-	0.3	n.d.	0.4	n.d.	-	n.d.	31.3	n.d.	n.d.	n.d.	81.5	15.1	
Station 61	5.1	n.d.	-	12	n.d.	n.d.	n.d.	-	0.6	n.d.	0.8	n.d.	-	n.d.	n.d.	41.2	n.d.	n.d.	40.1	5.6	
Station 62	-	-	-	n.d.	n.d.	-	-	-	-	n.d.	n.d.	n.d.	-	2	-	-	n.d.	n.d.	6.8	n.d.	
Station 63	-	n.d.	-	-	n.d.	-	n.d.	-	-	-	0.6	n.d.	3	n.d.	-	n.d.	-	-	n.d.	n.d.	

* : " n.d. " means not detected molecule (< LD), ** : data in italic script correspond to LD < concentration (ng/L) < LQ, *** : missing values " - " means not analysed molecule, or not accepted data during the process of results.

SPE recoveries (%) in mineral water of n-plicates (n) at low spiked level (15 ng L⁻¹) and high spiked level (500 ng L⁻¹)

Therapeutic use	Molecule name	Molecule abbreviation	LDs /ng L ⁻¹	LQs /ng L ⁻¹	Recoveries (%)	
					15 ng L ⁻¹ (n-plicates)	500 ng L ⁻¹ (n-plicates)
Antibiotic	Ciprofloxacin	CIP	1.5	5	-	65 (3)
	Flumequine	FMQ	0.3	1	96 (7)	94 (7)
	Norfloracin	NOR	1.5	5	89 (3)	68 (3)
	Ofloxacin	OFL	1.5	5	84 (6)	72 (8)
	Sulfametoxazole	SFMZ	1.5	5	73 (6)	83 (5)
	Trimethoprim	TRP	0.3	1	93 (8)	94 (6)
Anticoagulant	Warfarin	WAR	1.5	5	45 (4)	66 (3)
Anticonvulsant	Carbamazepine	CBZ	1.5	5	90 (8)	85 (8)
Anti-anxiety	Oxazepam	OZP	0.3	1	101 (6)	91 (4)
Antineoplastic	Cyclophosphamide	CYCL	1.5	5	90 * (5)	85 (7)
Beta-blocker	Atenolol	ATE	0.3	1	95 (7)	87 (8)
Contrast media	Iopromide	IOP	3.75	12.5	96 (5)	82 (5)
Lipid regulator	Clofibric Acid	CLO	1.5	5	-	73 (4)
Non-steroidal anti-inflammatory drug (NSAID) and analgesic	Acetaminophen	ACE	1.5	5	40 (4)	32 (10)
	Ibuprofen	IBU	15	50	-	63 (3)
	Salicylic Acid	SA	9	30	-	7 (3)
Opioid analgesic	Codeine	COD	0.3	1	87 (6)	91 (6)
	Morphine	MRP	1.5	5	68 * (5)	92 (6)
Psycho-stimulant	1,7-dimethylxanthine	DMX	1.5	5	-	37 (5)
	Caffeine	CAF	4.5	15	80 (6)	93 (6)

* Recoveries in % at 20 ng/L