















sample sampling narcksen diklofenak ketoprofen iburofen   YREA 1 3ep.04 - - - - -   app.05 - - - - - - -   app.05 - - - - - - -   app.05 - - - - - - -   fill.04 510 280 - - - - -   KEKA 2 Sep.04 60 50 - - - -   LJUBLJANICA 1 jul.04 70 - - - - -   LJUBLJANICA 2 jul.04 700 -
Image: Sep 0.0 -
KREA 1 Sep.04 - <th< td=""></th<>
apr.05 -
XRKA 2 310,04 310 280 - -   KRKA 2 Sep.04 60 50 - -   apr.05 280 310 120 -   LJUBLJANICA 1 sep.04 - - -   LJUBLJANICA 2 jul.04 70 - -   SAVA jul.04 80 10 -   MURA jul.04 50 40 -
KRKA 2 Sep.04 60 50    apr.05 280 310 120    LJUBLJANICA 1 jul.04 - - - -   LJUBLJANICA 2 jul.04 70 - - -   LJUBLJANICA 2 jul.04 70 - - -   SAVA jul.04 80 10 - -   MURA jul.04 50 40 - -
apr.05 280 310 120 -   LJUBLJANICA 1 jul.04 - - - -   LJUBLJANICA 1 sep.04 - - - -   LJUBLJANICA 2 jul.04 70 - - -   Sep.04 - - - - -   MURA jul.04 80 10 - -   MURA jul.04 50 40 - -
LJUBLJANICA 1 jul.04 -
sep.04 - - -   LJUBLJANICA 2 jul.04 70 - -   sep.04 - - - -   Jul.04 80 10 - -   sep.04 - - - -   MURA jul.04 50 40 - -
LJUBLJANICA 2 jul.04 70 - - -   sep.04 - - - - -   swa jul.04 80 10 - -   swa jul.04 - - - -   MURA jul.04 50 40 - -
Sep.04 -
jul.04 80 10 - -   sep.04 - - - - -   MURA jul.04 50 40 - -
sep.04 - - -   MURA jul.04 50 40 - -
MURA jul.04 50 40
jul.04 50 30
sep.04
jul.04 20 30
sep.04 40
<b>PŠATA</b> jul.04 20

	River water	(14.4.2005) (ng L <sup>-1</sup> )	Sediment (1	Sediment (14.4.2005) (ng g <sup>-1</sup> )		
	River Krka (upstream)	River Krka ( <b>downstream</b> the pharmaceutical factory and urban area)	River Krka (upstream)	River Krka (downstream the pharmaceutical factory and urban area)		
ibuprofen	udl	udl	udl	udl		
naproxen	udl	308	udl	26		
ketoprofen	udl	281	udl	320		
diclofenac	udl	89	udl	udl		

















	Remova	lof	pharmace	utica	ls in PWWTP	
1						
1						10
	НАРМАСТИТТСАТ.	PEACTOR	AV. REMOVAL	STDEV	> High and constant	i.
	HARMACEUTICAL	REACTOR	RATE (%)	SIDEV	removal of ibuprofen,	12
П т	BUPROFEN	R1	95,6	4	naproxen and ketoprofen	181
		R2	96,4	6		100
N	NAPROXEN	R1	96,1	3		81
		R2	88,8	8	> Poor and wariable	100
R	FTOPPOFFN	R1	94,9	5	FOOT and variable	1.8
K	LIOFROFEN	R2	90,3	6	removal of diclofenac	
- D	DICLOFFNAC	R1	54,4	23	and clofibric acid	
<b>D</b> .	ICLOFENAC	R2	56,4	36		11
	LOFTRRIC ACTD	R1	24,2	22	1	
	CHOFIBRIC ACID	R2	29,5	20		
	Removal mech	nanisms:	(bio)degrad	lation a	and/or adsorption	
						280
1 100	6				HASI AUFR	20,















