



Besondere Vorkommnisse: **Ja** 1

(z. B. Störfälle)

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
Grundgrössen (S3)	Temperatur	K	°C			4.6			7.0					
	pH	K				7.87			8.03					
	Sauerstoff	K	mg/l			12.1			13.7					
	Leitfähigkeit	K	µS/cm			313			413					
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1	6	6	1.49	2.03	2.60	1.95	1.76			
	TOC	14M	mg/l	0.1	3	3	2.74	3.27	3.86	2.61	2.13			
	SAK254	1M14	1/m	0.03	3	3	3.902	5.660	8.079	6.17	4.17			
	SAK436	1M14	1/m	0.03	3	3	0.092	0.277	0.549	0.39	0.23			
	Ammonium N	1M14/E14	mg/l	0.01	6	6	0.028	0.037	0.045	0.044	0.050	0.2		
	Nitrit N	E14	mg/l	0.004	3	3	0.011	0.012	0.014	0.020	0.014			
	Kieselsäure Si	14M/E14	mg/l	0.1	6	6	1.70	1.97	2.10	1.60	1.26			
	Borat	E28	µg B/L	10	1	1	18	18	18	15	17			
	Alkalinität (bis pH 4.5)	14M	mMol H ⁺	0.1	3	3	2.87	4.77	8.46	2.74	2.75			
	Gesamthärte	14M	DH°		3	3	9.6	9.7	9.9	9.2	9.2			
Kationen	Karbonathärte	14M	DH°		3	3	3.0	6.5	8.5	7.8	7.9			
	Calcium	14M	mg/l	7	3	3	57.2	57.4	57.5	53.0	53.0			
	Kalium	14M	mg/l	0.5	3	3	1.8	1.8	1.83	2.0	1.9			
	Magnesium	14M	mg/l	1	3	3	7.3	7.6	8.0	7.6	7.8			
	Natrium	14M	mg/l	2	3	3	8.1	8.8	9.3	10.4	10.0			
Pflanzennährstoffe	Nitrat N	14M	mg/l	0.06	3	3	1.54	1.61	1.65	1.54	1.33			
	o-Phosphat P	14M/E14	mg/l	0.003	6	6	0.015	0.019	0.025	0.022	0.014			
	Gesamtlphosphor P	14M	mg/l	0.003	3	3	0.036	0.044	0.058	0.048	0.030	0.15		
	Gesamtnitrostoff	14M/E14	mg/l	0.01	6	6	1.593	1.84	2.1	1.82	1.49			
Salze	Bromid	14M	mg/l	0.01	3	3	0.076	0.081	0.090	0.119	0.128			
	Chlorid	14M	mg/l	1.5	3	3	11.4	12.5	13.3	14.0	13.2			
	Fluorid	14M	mg/l	0.03	3	3	0.077	0.080	0.085	0.093	0.090			
	Sulfat	14M	mg/l	2.5	3	3	23.2	23.8	24.7	27.4	27.8			
	DTPA	28M	µg/l	0.5	1	-		<BG		<BG	0.47			
Komplexbildner	EDTA	28M	µg/l	0.5	1	1	0.872	0.872	0.872	1.5	1.3			
	NTA	28M	µg/l	0.5	1	1	0.692	0.692	0.692	1.4	0.9			
Gefährliche Stoffe	Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5	3	3	0.78	0.82	0.88	1.03	0.87		
		Blei	14M	µg/l	0.1	3	3	0.3	0.56	0.7	0.58	0.29		
		Cadmium	14M	µg/l	0.02	3	-		<BG		<BG	<BG		
		Chrom	14M	µg/l	0.2	3	3	0.26	0.34	0.41	0.32	0.27		
		Kupfer	14M	µg/l	0.5	3	3	1.1	1.40	1.6	1.44	1.14		
		Nickel	14M	µg/l	0.5	3	3	0.52	0.67	0.78	0.73	0.62		
		Quecksilber	14M	µg/l	0.01	3	-		<BG		<BG	<BG		
		Zink	14M	µg/l	1	3	3	1.7	2.6	3	2.5	1.5		
		Arsen	E28	µg/l	0.5	1	1	0.84	0.84	0.84	0.8	0.8		
		Blei	E28	µg/l	0.1	1	-		<BG		0.3	0.1		
		Cadmium	E28	µg/l	0.02	1	-		<BG		<BG	<BG		
		Chrom	E28	µg/l	0.2	1	-		<BG		0.5	0.2		
		Kupfer	E28	µg/l	0.5	1	1	0.72	0.72	0.72	1.40	0.93		
		Nickel	E28	µg/l	0.5	1	-		<BG		0.73	0.51		
		Quecksilber	E28	µg/l	0.01	1	-		<BG		<BG	<BG		
Zink	E28	µg/l	1	1	-		<BG		1.90	0.74				
Summenkenngrössen	GUS	14M	mg/l	0.1	3	3	10.0	19.5	30.5	12.4	8.2			

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					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	Messwert(e) grösser ZV		
gefährliche Stoffe															
LCKW**															
	1,1-Dichlorethen	1M	µg/l	0.02	31	-									
	1,2-Dichlorbenzol	1M	µg/l	0.04	31	-		<BG							
	1,1,1-Trichlorethan	1M	µg/l	0.001	31	31	0.001	0.002	0.002						
	Bromoform	1M	µg/l	0.01	31	2	0.010	0.005	0.014						
	Chloroform	1M	µg/l	0.05	31	31	0.022	0.028	0.040				0.6		
	Dichlormethan	1M	µg/l	0.04	31	2	0.050	0.022	0.051						
	Hexachlorethan	1M	µg/l	0.0004	31	25	0.0004	0.0006	0.0011						
	Tetrachlorethen	1M	µg/l	0.001	31	31	0.013	0.021	0.028						
	Tetrachlormethan	1M	µg/l	0.001	31	29	0.001	0.002	0.003				1.0		
	Trichlorethen	1M	µg/l	0.001	31	31	0.002	0.003	0.005						
	Summe halogenierte	1M	µg/l	0.001	31	31	0.042	0.061	0.109						
	Alachlor	1M	µg/l	0.005	31	-		<BG							
	Atrazin	1M	µg/l	0.005	31	25	0.0050	0.0053	0.0070				0.1		
	DEET	1M	µg/l	0.005	31	31	0.0060	0.0147	0.0460				0.1		
	Desethylatrazin	1M	µg/l	0.005	31	31	0.0060	0.0078	0.0110						
	Desethylterbutylazin	1M	µg/l	0.005	31	1	0.005	0.0026	0.005						
	Desisopropylazin	1M	µg/l	0.01	31	1	0.014	0.0063	0.014						
	Desmetryn	1M	µg/l	0.005	31	-		<BG							
	Diazinon	1M	µg/l	0.005	31	26	0.0100	0.0112	0.0160				0.02		
	2,6-Dichlorbenzamid	1M	µg/l	0.01	31	-		<BG							
	Dimethenamid	1M	µg/l	0.005	31	-		<BG							
	Ethofumesate	1M	µg/l	0.005	31	-		<BG							
	Fenamidon	1M	µg/l	0.005	31	-		<BG							
	Fenproprymorph	1M	µg/l	0.005	31	-		<BG							
	Irgarol	1M	µg/l	0.005	31	12	0.005	0.0036	0.006						
	Iso-Chloridazon	1M	µg/l	0.005	31	-		<BG							
	Metaxyl	1M	µg/l	0.005	31	-		<BG							
	Metazachlor	1M	µg/l	0.005	31	-		<BG							
	Metolachlor	1M	µg/l	0.005	31	17	0.0050	0.0044	0.0090				0.1		
	Orbencarb	1M	µg/l	0.005	31	-		<BG							
	Penconazol	1M	µg/l	0.005	31	18	0.005	0.0063	0.019						
	Propyzamid	1M	µg/l	0.005	31	-		<BG							
	Prosulfocarb	1M	µg/l	0.005	31	-		<BG							
	Simazin	1M	µg/l	0.005	31	1	0.005	0.0026	0.005				0.06		
	Tebutiam	1M	µg/l	0.005	31	-		<BG							
	Terbutylazin	1M	µg/l	0.005	31	-		<BG							
	Terbutryn	1M	µg/l	0.005	31	8	0.005	0.0031	0.005						
	Vinclozolin	1M	µg/l	0.001	31	-		<BG							
	Bentazon	1M14	µg/l	0.001	2	-		<BG							
	Mecoprop	1M14	µg/l	0.001	2	1	0.007	0.004	0.007						
	Chloroluron	1M14	µg/l	0.001	2	2	0.004	0.005	0.006						
	Diflufenican	1M14	µg/l	0.001	2	2	0.005	0.006	0.007						
	Isoproturon	1M14	µg/l	0.003	2	2	0.003	0.003	0.003						
	4-Isopropylamin	1M14	µg/l	0.01	2	-		<BG							
	Metaxyl	1M14	µg/l	0.001	2	-		<BG							
	Metazachlor	1M14	µg/l	0.001	2	-		<BG							
	Metazachlor-ESA	1M14	µg/l	0.001	2	2	0.014	0.020	0.025						
	Metolachlor (ESA)	1M14	µg/l	0.005	2	2	0.019	0.021	0.023						
	Metolachlor (OXA)	1M14	µg/l	0.01	2	1	0.005	0.005	0.005						
	Metolachlor-Morpholin	1M14	µg/l	0.001	2	2	0.002	0.003	0.004						

Arzneimittel-Wirkstoffe und Metabolite	1M14	µg/l	0.005	2	-	<BG	<BG	0.005	0.005	<BG	0.003
Atachlor-OXA	1M14	µg/l	0.005	2	-	<BG	<BG	0.005	0.005	<BG	0.003
Azoxystrobin	1M14	µg/l	0.01	2	2	0.005	<BG	0.005	0.005	<BG	0.007
MCPA	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	<BG	0.005
Napropamid	1M14	µg/l	0.002	2	-	<BG	<BG	<BG	<BG	<BG	0.001
Carbendazim	1M14	µg/l	0.001	2	2	0.004	0.006	0.007	0.005	0.007	0.007
Glomazon	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	<BG	0.001
Cyproconazol	1M14	µg/l	0.001	2	2	0.007	0.008	0.009	0.005	0.010	0.010
Desamino-Metamitron	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	<BG	0.006
Desethyl-2-Hydroxyterbutylazin	1M14	µg/l	0.002	2	1	0.003	0.002	0.003	<BG	<BG	0.001
Dimethachlor	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	0.001	0.001	0.001
Dimethylaminsulfanilid	1M14	µg/l	0.005	2	1	0.006	0.004	0.006	-	-	-
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	2	-	<BG	<BG	<BG	0.005	0.005	0.005
Dinoseb	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	0.021	0.005	0.005
Flufenacet-ESA	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	-	0.003	0.003
2-Hydroxytriazin	1M14	µg/l	0.001	2	1	0.003	0.002	0.003	0.003	0.002	0.002
2-Hydroxysimazin	1M14	µg/l	0.001	2	1	0.002	0.001	0.002	0.001	0.001	0.001
Pethoxamid	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	-	0.003	0.003
Pirimicarb	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	0.004	0.004
Pyrimidinol	1M14	µg/l	0.001	2	1	0.002	0.001	0.002	0.001	0.004	0.004
Propachlor	1M14	µg/l	0.003	2	-	<BG	<BG	<BG	<BG	<BG	0.002
Propachlor-ESA	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	-	0.004	0.004
Propiconazol	1M14	µg/l	0.01	2	-	<BG	<BG	<BG	-	0.005	0.005
N,N-Dimethyl-N'-(4-Methylphenyl)-Sulfamid	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	0.004	0.002	0.002
Tebuconazol	1M14	µg/l	0.001	2	1	0.001	<BG	0.001	-	-	-
2-Chloranilin	1M14	µg/l	0.02	2	-	<BG	<BG	<BG	<BG	0.025	0.025
2-Chlornitrobenzol	1M14	µg/l	0.02	2	-	<BG	<BG	<BG	<BG	0.012	0.012
Perfluorociansäure	1M28	µg/l	0.005	1	-	<BG	<BG	<BG	0.004	<BG	<BG
Perfluorociansulfonsäure	1M28	µg/l	0.005	1	-	<BG	<BG	<BG	<BG	0.005	0.005
N-(4-Aminophenyl)-N-Methyl-Acetamid	1M14	µg/l	0.025	2	-	<BG	<BG	<BG	-	0.015	0.015
N-Methyl-N-Phenyl-Acetamid	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	-	0.005	0.005
N,N-Dimethylcyclohexan N-Oxid	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	-	-	-
Benzothiazol	1M14	µg/l	0.025	2	-	<BG	<BG	<BG	<BG	0.080	0.080
Benzothiazol	1M14	µg/l	0.005	2	2	0.167	0.170	0.173	0.212	0.254	0.254
5-Methylbenzotriazol	1M14	µg/l	0.005	2	2	0.104	0.106	0.108	0.139	0.254	0.254
2-Naphthalinsulfonsäure	1M14	µg/l	0.005	2	2	0.008	0.093	0.178	0.012	0.038	0.038
2,7-Naphthalindisulfonsäure	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	<BG	0.233	0.233
Trietolan	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	<BG	0.003	0.003
Diglyme	1M	µg/l	0.05	31	12	0.056	0.078	0.295	0.06	0.10	0.10
Galaxolid	1M	µg/l	0.01	31	31	0.028	0.036	0.048	0.04	0.03	0.03
Galaxolidon	1M14	µg/l	0.02	2	-	<BG	<BG	<BG	<BG	0.01	0.01
Tonalid	1M	µg/l	0.01	31	6	0.010	0.007	0.035	0.01	0.01	0.01
Surfynol 104	1M	µg/l	0.025	31	31	0.042	0.093	0.206	0.14	0.19	0.19
Acesulfarn	1M14	µg/l	0.01	2	2	0.577	0.611	0.644	0.83	0.27	0.27
Cyclohexylsulfamidsäure	1M14	µg/l	0.01	2	2	0.056	0.056	0.056	0.07	0.02	0.02
Saccharin	1M14	µg/l	0.01	2	2	0.050	0.054	0.058	0.04	0.02	0.02
Sucralose	1M14	µg/l	0.01	2	2	0.038	0.042	0.046	0.044	0.083	0.083
Coffein	1M	µg/l	0.01	31	31	0.022	0.071	0.189	0.128	0.090	0.090
Amisulprid	1M14	µg/l	0.001	2	2	0.003	0.004	0.004	0.005	0.001	0.001
Alenolol	1M14	µg/l	0.005	2	1	0.011	0.007	0.011	0.010	0.010	0.010
Desisopropylatenolol	1M14	µg/l	0.05	2	1	0.052	0.039	0.052	-	-	-
Atenololsäure	1M14	µg/l	0.003	2	2	0.039	0.043	0.046	0.051	0.058	0.058
Carandesartan	1M14	µg/l	0.001	2	2	0.005	0.006	0.007	0.010	0.003	0.003
Carbamazepin	1M14	µg/l	0.001	2	2	0.014	0.015	0.015	0.025	0.031	0.031
Carbamazepin-10,11-Epoxid	1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.004	0.003	0.003
Carbamazepin-10,11-Dihydro-10,11-Dihydroxy	1M14	µg/l	0.001	2	2	0.023	0.023	0.023	0.040	0.041	0.041
Cefirizin	1M14	µg/l	0.001	2	2	0.042	0.046	0.054	0.039	0.009	0.009
Clarithromycin	1M14	µg/l	0.001	2	2	0.006	0.006	0.006	0.006	0.007	0.007
Glimbazon	1M14	µg/l	0.001	2	2	0.018	0.018	0.018	0.011	0.003	0.003
Clopidogrelsäure	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	0.007	0.004	0.004
Codein	1M14	µg/l	0.01	2	2	0.014	0.015	0.015	<BG	<BG	<BG
D617	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	0.005	0.012	0.012

Diclofenac	1M14	µg/L	0.005	2	2	0.016	0.020	0.024	0.032	0.022
Eprosartan	1M14	µg/L	0.01	2	-	<BG	<BG		<BG	0.005
Fenofibrinsäure	1M14	µg/L	0.005	2	2	0.017	0.017	0.017		
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	2	2	0.024	0.027	0.029	0.029	0.026
Gabapentin	1M14	µg/L	0.01	2	2	0.040	0.047	0.053	0.039	0.064
Hydrochlorothiazid	1M14	µg/L	0.01	2	2	0.020	0.021	0.021		
Ibuprofen	1M14	µg/L	0.005	2	-	<BG	<BG		<BG	0.007
Iopromid	1M14	µg/L	0.005	2	2	<BG	<BG		<BG	0.140
Lamotrigin	1M14	µg/L	0.005	2	2	0.009	0.010	0.011	0.025	0.018
Levetiracetam	1M14	µg/L	0.005	2	2	0.016	0.028	0.040	0.015	0.013
Lidocain	1M14	µg/L	0.001	2	2	0.004	0.004	0.004	<BG	<BG
Losartan	1M14	µg/L	0.001	2	2	0.014	0.014	0.014	0.011	0.002
Meformin	1M14	µg/L	0.005	2	2	0.340	0.350	0.359	0.265	0.448
Meiprotolol	1M14	µg/L	0.001	2	2	0.012	0.015	0.017	0.015	0.015
Moclobemid	1M14	µg/L	0.001	2	-	<BG	<BG		<BG	0.004
Oxazepam	1M14	µg/L	0.001	2	2	0.011	0.012	0.013	0.008	0.003
Oxcarbazepin	1M14	µg/L	0.001	2	-	<BG	<BG		<BG	0.001
Paracetamol	1M14	µg/L	0.01	2	1	0.042	0.024	0.042	0.061	0.012
Phenazon	1M14	µg/L	0.001	2	-	<BG	<BG		0.001	0.001
Propranolol	1M14	µg/L	0.005	2	-	<BG	<BG		0.002	0.004
Ritalinsäure	1M14	µg/L	0.003	2	-	<BG	<BG		<BG	0.001
Sitagliptin	1M14	µg/L	0.001	2	2	0.006	0.007	0.008	0.007	0.002
Sotalol	1M14	µg/L	0.01	2	-	<BG	<BG		0.008	0.010
Sulfathiazol	1M14	µg/L	0.01	2	1	0.011	0.008	0.011		
Sulfamethoxazol	1M14	µg/L	0.005	2	-	<BG	<BG		0.016	0.018
Tizanidin	1M14	µg/L	0.001	2	1	0.013	0.007	0.013		
Trimethoprim	1M14	µg/L	0.001	2	2	0.002	0.002	0.002	0.003	0.002
Valsartan	1M14	µg/L	0.005	2	2	0.033	0.034	0.035	0.039	0.040
Valsartansäure	1M14	µg/L	0.005	2	-	<BG	<BG		0.032	0.010
Venlafaxin	1M14	µg/L	0.005	2	2	0.006	0.008	0.010	0.016	0.016
N-Desvenlafaxin	1M14	µg/L	0.005	2	2	0.001	0.003	0.053	0.003	0.009
N,N-Didesvenlafaxin	1M14	µg/L	0.01	2	2	0.155	0.199	0.242	0.142	0.071
O,N-Didesvenlafaxin	1M14	µg/L	0.005	2	-	<BG	<BG		0.005	0.005
Verpamil	1M14	µg/L	0.001	2	-	<BG	<BG		<BG	0.009
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0.001	2	2	0.050	0.055	0.059	0.103	0.089
4-Formyl-Aminoantipyrin	1M14	µg/L	0.002	2	2	0.019	0.020	0.021	0.035	0.038

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSr-Konvention angepasst)

K: Stundenmittelwerte

1M: Tagesmischprobe

7M: Mischprobe über 7 Tage

14M: Mischprobe über 14 Tage

28M: Mischprobe über 28 Tage

1M14: 24h-Mischprobe alle 14 Tage

E28: Momentanprobe alle 28 Tage

** Angaben nur, wenn BG überschritten

n: Anzahl der Messungen

n>BG: Anzahl der Messungen grösser analyt. Bestimmungsgrenze (BG)

Min: Minimum

Mittel: arithmetischer Mittelwert

Max: Maximum

Kurzbeurteilung:

Grundgrößen: normal

Abwasserinhaltsstoffe: normal

Pflanzennährstoffe: normal

Salze: normal

gefährliche Stoffe: keine

artfremde Stoffe: Trifluormethylanilin cmax: 0.49 µg/L

Gesamtzustand: gut



Ja

Besondere Vorkommnisse:
(z. B. Störfälle)

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvor-gabe	Messwert(e) grosser ZV	Bemerkungen	
					n	n>BG	Min	Mittel	Max	Vormonat Wert IKSr				2011 Mittel nach IKSr
Grundgrössen (S3)	Temperatur	K	°C				1.9		5.6					
	pH	K					7.96		8.10					
	Sauerstoff	K	mg/l				12.9		14.2					
	Leitfähigkeit	K	µS/cm				388		463					
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1			1.46	1.71	1.96	2.03		1.76		
	TOC	14M	mg/l	0.1			1.87	2.08	2.29	3.27		2.13		
	SAK254	1M/14	1/m	0.03			4.469	4.79	5.101	5.66		4.17		
	SAK436	1M/14	1/m	0.03			0.458	0.49	0.5197	0.28		0.23		
	Ammonium_N	1M14/E14	mg/l	0.01			0.0478	0.056	0.0633	0.037		0.050		
	Nitrit_N	E14	mg/l	0.004			0.0096	0.012	0.0135	0.012		0.014		
	Kieselsäure_Si	14M/E14	mg/l	0.1			1.50	1.70	1.90	1.97		1.26		
	Borat	E28	µg/BIL	10			15	15	15	18		17		
	Härten	Alkalinität (bis pH 4.5)	14M	mmol H ⁺	0.1			3.03	3.06	3.09	4.77		2.75	
		Gesamthärte	14M	DH°	0.1			10.1	10.2	10.3	9.7		9.2	
Kationen	Karbonathärte	14M	DH°				8.7	8.8	8.8	6.5		7.9		
	Calcium	14M	mg/l	7			58.1	58.5	59.0	57.4		53.0		
	Kalium	14M	mg/l	0.5			1.9	2.0	2.13	1.8		1.9		
	Magnesium	14M	mg/l	1			8.4	8.6	8.8	7.8		7.8		
	Natrium	14M	mg/l	2			10.7	12.4	14.1	8.8		10.0		
		Nitrat_N	14M	mg/l	0.06			1.64	1.72	1.79	1.61		1.33	
Pflanzennährstoffe	o-Phosphat_P	14M/E14	mg/l	0.003			0.011	0.012	0.014	0.019		0.014		
	Gesamtposphor_P	14M	mg/l	0.003			0.027	0.023	0.024	0.044		0.030		
	Gesamtstickstoff	14M/E14	mg/l	0.01			1.601	1.67	1.797	1.84		1.49		
		Bromid	14M	mg/l	0.01			0.128	0.161	0.195	0.081		0.128	
Sätze	Chlorid	14M	mg/l	1.5			14.4	17.0	19.6	12.5		13.2		
	Fluorid	14M	mg/l	0.03			0.090	0.092	0.094	0.080		0.090		
	Sulfat	14M	mg/l	2.5			26.8	27.8	28.7	23.8		27.8		
		DTPA	28M	µg/l	0.5			<BG	<BG	1.083	<BG		0.47	
Komplexbildner	EDTA	28M	µg/l	0.5			1.083	<BG	1.083	0.9		1.3		
	NTA	28M	µg/l	0.5			<BG	<BG	<BG	0.7		0.9		
gefährliche Stoffe														
Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5			0.84	0.84	0.84	0.82		0.87		
	Blei	14M	µg/l	0.1			<BG	<BG	<BG	0.56		0.29		
	Cadmium	14M	µg/l	0.02			<BG	<BG	<BG	<BG		<BG		
	Chrom	14M	µg/l	0.2			0.47	0.285	0.47	0.34		0.27		
	Kupfer	14M	µg/l	0.5			0.76	0.84	0.91	1.40		1.14		
	Nickel	14M	µg/l	0.3			0.57	0.41	0.57	0.67		0.62		
	Quecksilber	14M	µg/l	0.01			1.2	0.85	1.2	2.6		<BG		
	Zink	14M	µg/l	1			0.87	0.87	0.87	0.8		1.5		
Schwermetalle (gelöst)	Arsen	E28	µg/l	0.5			<BG	<BG	<BG	<BG		<BG		
	Blei	E28	µg/l	0.1			<BG	<BG	<BG	<BG		<BG		
	Cadmium	E28	µg/l	0.02			<BG	<BG	<BG	<BG		<BG		
	Chrom	E28	µg/l	0.2			0.68	0.68	0.68	<BG		0.2		
	Kupfer	E28	µg/l	0.5			<BG	<BG	<BG	<BG		0.51		
	Nickel	E28	µg/l	0.01			<BG	<BG	<BG	<BG		<BG		
Summenkenngrössen	Quecksilber	E28	µg/l	1			<BG	<BG	<BG	<BG		<BG		
	Zink	E28	µg/l	1			<BG	<BG	<BG	<BG		<BG		
Summenkenngrössen	GUS	14M	mg/l	0.1			2.9	3.0	3.1	19.5		8.2		

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
gefährliche Stoffe LCKW**	1,1,1-Trichlorethan	1M	µg/l	0.001	29	29	0.0016	0.002	0.0026	0.002	0.004			
	Bromoform	1M	µg/l	0.01	29	16	0.01	0.009	0.017	0.005	0.017			
	Chloroform	1M	µg/l	0.05	29	29	0.025	0.030	0.041	0.028	0.031	0.6		
	Dichlormethan	1M	µg/l	0.04	29	7	0.043	0.031	0.1	0.022	0.023			
	Hexachlorethan	1M	µg/l	0.004	29	24	0.0007	0.0010	0.0019	0.001	0.001	1.0		
	Tetrachlorethan	1M	µg/l	0.001	29	29	0.0026	0.0032	0.037	0.021	0.028			
	Tetrachlormethan	1M	µg/l	0.001	29	29	0.002	0.003	0.005	0.002	0.003			
	Trichlorethan	1M	µg/l	0.001	29	29	0.0029	0.004	0.0055	0.004	0.004			
	Summe halogenierte	1M	µg/l	0.001	29	29	0.0583	0.095	0.1895	0.061	0.070			
	Pestizide und org. Einzelstoffe**	Akathol	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	0.003		
		Atrazin	1M	µg/l	0.005	29	29	0.0050	0.0062	0.0070	0.005	0.005	0.1	
		DEET	1M	µg/l	0.005	29	29	0.0100	0.0259	0.1100	0.015	0.021	0.1	
		Desethylatrazin	1M	µg/l	0.005	29	28	0.0050	0.0083	0.0110	0.008	0.006		
		Desethylterbutylazin	1M	µg/l	0.005	29	-	-	<BG	<BG	0.003	0.003		
		Desisopropylazin	1M	µg/l	0.01	29	3	0.005	0.0028	0.006	0.005	0.006		
		Desmetilvyn	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG	0.003	
		Diazinon	1M	µg/l	0.005	29	14	0.0100	0.0080	0.0120	0.011	0.007	0.02	
		2,6-Dichlorbenzamid	1M	µg/l	0.01	29	-	-	<BG	<BG	<BG	<BG		
		Dimethenamid	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG		
		Ethofumesate	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG		
		Fenamidon	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG		
		Fenproprymorph	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG		
		Ilgarol	1M	µg/l	0.005	29	18	0.005	0.0042	0.006	0.004	0.003		
Iso-Chloridazon		1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG			
Metaxyl		1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG			
Metazachlor		1M	µg/l	0.005	29	29	0.0050	0.0068	0.0130	0.004	0.010	0.1		
Metolachlor		1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG			
Chenarbo		1M	µg/l	0.005	29	19	0.005	0.0068	0.014	0.006	0.004			
Perconazol		1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG			
Propylazamid		1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG			
Prosulfocarb		1M	µg/l	0.005	29	6	0.005	0.0031	0.006	0.003	0.003	0.06		
Simazin		1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG			
Tebutiam	1M	µg/l	0.005	29	2	0.006	0.0027	0.006	0.003	0.003				
Terbumeton	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG				
Terbutylazin	1M	µg/l	0.005	29	4	0.005	0.0028	0.005	0.003	0.003				
Terbutryn	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG				
Vinclozolin	1M	µg/l	0.005	29	-	-	<BG	<BG	<BG	<BG				
Wecopropr	1M14	µg/l	0.001	2	1	0.01	0.0053	0.01	0.004	0.014				
Chloroluron	1M14	µg/l	0.001	2	1	0.001	0.0008	0.001	0.005	0.001				
Diuron	1M14	µg/l	0.001	2	1	0.007	0.0038	0.007	0.006	0.006				
Isoproturon	1M14	µg/l	0.003	2	2	0.002	0.0020	0.002	0.003	0.005				
4-Isopropylamin	1M14	µg/l	0.01	2	2	0.003	0.0050	0.007	0.003	0.005				
Metaxyl	1M14	µg/l	0.001	2	2	0.006	0.0065	0.008	0.005	0.005				
Metazachlor	1M14	µg/l	0.001	2	1	0.056	0.0283	0.056	0.020	0.005				
Metazachlor-ESA	1M14	µg/l	0.001	2	1	0.016	0.0088	0.016	0.021	0.009				
Metolachlor (ESA)	1M14	µg/l	0.005	2	-	-	<BG	<BG	0.005	0.008				
Metolachlor (OXA)	1M14	µg/l	0.01	2	-	-	<BG	<BG	0.003	0.006				
Metolachlor-Morpholinon	1M14	µg/l	0.001	2	2	0.002	0.0050	0.008	0.003	0.003				
Alachlor-OXA	1M14	µg/l	0.005	2	1	0.008	0.0065	0.008	0.005	0.005				
Azoxystrobin-säure	1M14	µg/l	0.01	2	1	0.008	0.0065	0.008	0.005	0.005				
MCPA	1M14	µg/l	0.001	2	2	0.006	0.0065	0.007	0.006	0.007				
Carbendazim	1M14	µg/l	0.001	2	2	0.006	0.0065	0.007	0.006	0.007				
Chloridazon	1M14	µg/l	0.005	2	2	0.011	0.0115	0.012	0.008	0.010				
Cyproconazol	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.002	0.001				
Desamino-Metanitron	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.006	0.001				
Desethyl-2-Hydroxyterbutylazin	1M14	µg/l	0.002	2	-	-	<BG	<BG	0.004	0.001				
Dimethylamino-sulfamid	1M14	µg/l	0.005	2	-	-	<BG	<BG	0.004	0.001				
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	2	-	-	<BG	<BG	0.005	0.005				
Dinoseb	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.005	0.005				
Flufenacet-ESA	1M14	µg/l	0.001	2	2	0.003	0.0030	0.003	0.002	0.002				
2-Hydroxyatrazin	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.002	0.002				
Pethoxamid	1M14	µg/l	0.005	2	-	-	<BG	<BG	0.004	0.004				
Primicarb	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.001	0.004				
Pyrimidinol	1M14	µg/l	0.001	2	1	0.001	0.0008	0.001	0.001	0.004				
Propachlor	1M14	µg/l	0.003	2	-	-	<BG	<BG	0.002	0.002				
Propachlor-ESA	1M14	µg/l	0.005	2	-	-	<BG	<BG	0.004	0.004				
Propiconazol	1M14	µg/l	0.01	2	-	-	<BG	<BG	0.005	0.005				
N,N-Dimethyl-N-(4-Methylphenyl)-Sulfamid	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.002	0.002				
2-Chloranilin	1M14	µg/l	0.02	2	-	-	<BG	<BG	0.012	0.012				
2-Chlornitrobenzol	1M14	µg/l	0.02	2	-	-	<BG	<BG	0.015	0.015				
N-(4-Aminophenyl)-N-Methyl-Acetalamid	1M14	µg/L	0.025	2	-	-	<BG	<BG	0.015	0.015				
N-Methyl-N-Phenyl-Acetalamid	1M14	µg/L	0.005	2	-	-	<BG	<BG	0.005	0.005				

Arzneimittel/Wirkstoffe und Metabolite	TM14	µg/L	0,025	2	-	0,219	<BG	0,228	<BG	0,080	<BG	0,170	0,254	0,170	0,254
Benzothiazol	1M14	µg/L	0,025	2	-	0,219	<BG	0,228	<BG	0,080	<BG	0,170	0,254	0,170	0,254
Benzotriazol	1M14	µg/L	0,005	2	2	0,1170	0,1506	0,1840	0,106	0,254					
5-Methylbenzotriazol	1M14	µg/L	0,005	2	1	0,0070	0,0048	0,0070	-	-					
N-Methyl-Benzotriazol	1M14	µg/L	0,005	2	1	0,0160	0,0093	0,0160	0,093	0,038					
2-Naphthalinsulfonsäure	1M14	µg/L	0,005	2	-	-	<BG	-	<BG	0,233					
2,7-Naphthalindisulfonsäure	1M14	µg/L	0,005	2	-	-	<BG	-	<BG	0,003					
Triobosan	1M	µg/L	0,05	29	25	0,063	0,4557	1,308	0,08	0,10					
Diglyme	1M	µg/L	0,01	29	29	0,029	0,0384	0,05	0,04	0,03					
Galaxolid	1M	µg/L	0,01	29	29	0,0920	0,1698	0,3080	0,01	0,01					
Tonalid	1M	µg/L	0,01	29	29	0,8360	0,8580	0,8800	0,09	0,19					
Surfynol 104	1M	µg/L	0,025	2	2	0,0210	0,0265	0,0320	0,61	0,27					
Acetosulfam	1M14	µg/L	0,01	2	2	0,0400	0,0565	0,0730	0,06	0,02					
Cyclohexylsulfamidssäure	1M14	µg/L	0,01	2	2	0,0350	0,0525	0,0660	0,05	0,02					
Saccharin	1M14	µg/L	0,01	2	2	0,0200	0,0410	0,1020	0,042	0,083					
Sucralose	1M14	µg/L	0,01	29	29	0,005	0,0055	0,006	0,071	0,090					
Coffein	1M	µg/L	0,01	2	2	0,005	0,0055	0,006	0,004	0,001					
Amisulprid	1M14	µg/L	0,001	2	2	0,005	0,0055	0,006	0,007	0,010					
Atenolol	1M14	µg/L	0,005	2	2	0,005	0,0055	0,006	0,007	0,010					
Desisopropylatenolol	1M14	µg/L	0,05	2	-	-	<BG	-	0,039	-					
Atenololsäure	1M14	µg/L	0,003	2	2	0,025	0,0465	0,068	0,043	0,058					
Candesartan	1M14	µg/L	0,001	2	2	0,006	0,0065	0,007	0,006	0,003					
Carbamazepin	1M14	µg/L	0,001	2	2	0,023	0,0250	0,027	0,015	0,031					
Carbamazepin-10,11-Epoxid	1M14	µg/L	0,001	2	2	0,003	0,0040	0,005	0,002	0,003					
Carbamazepin-10,11Dihydro-10,11Dihydroxy	1M14	µg/L	0,001	2	2	0,027	0,0330	0,039	0,023	0,041					
Ceftriaxon	1M14	µg/L	0,001	2	2	0,054	0,0575	0,061	0,048	0,009					
Citalopram	1M14	µg/L	0,001	2	1	0,006	0,0033	0,006	<BG	0,001					
Clarithromycin	1M14	µg/L	0,001	2	2	0,006	0,0070	0,008	0,006	0,007					
Climbazol	1M14	µg/L	0,001	2	2	0,018	0,0255	0,033	0,018	0,003					
Clopidogrelsäure	1M14	µg/L	0,005	2	2	0,018	0,0255	0,033	<BG	0,004					
Codain	1M14	µg/L	0,01	2	-	0,008	0,0053	0,008	<BG	0,015					
Codein	1M14	µg/L	0,01	2	-	-	<BG	-	<BG	0,012					
D617	1M14	µg/L	0,005	2	2	0,028	0,0290	0,031	0,020	0,022					
Diclofenac	1M14	µg/L	0,005	2	2	0,028	0,0290	0,031	<BG	0,005					
Eprosartan	1M14	µg/L	0,01	2	-	-	<BG	-	<BG	0,017					
Fenofibrinsäure	1M14	µg/L	0,005	2	-	-	<BG	-	<BG	0,005					
4-(Trifluormethyl)Phenol	1M14	µg/L	0,001	2	1	0,008	0,0043	0,008	0,027	0,026					
Galbapentin	1M14	µg/L	0,01	2	1	0,054	0,0295	0,054	0,047	0,064					
Hydrochlorthiazid	1M14	µg/L	0,01	2	2	0,024	0,0280	0,032	0,021	-					
Iohexol	1M14	µg/L	0,005	2	2	0,05	0,0525	0,055	<BG	0,007					
Iopromid	1M14	µg/L	0,005	2	1	0,19	0,0963	0,19	<BG	0,140					
Lamotrigin	1M14	µg/L	0,005	2	2	0,012	0,0170	0,018	0,010	0,018					
Levetiracetam	1M14	µg/L	0,001	2	2	0,012	0,0160	0,02	0,028	0,013					
Lidocain	1M14	µg/L	0,001	2	2	0,006	0,0060	0,006	0,004	<BG					
Losartan	1M14	µg/L	0,001	2	2	0,014	0,0175	0,021	0,014	0,002					
Metformin	1M14	µg/L	0,005	2	2	0,403	0,4745	0,546	0,350	0,448					
Metoprolol	1M14	µg/L	0,001	2	2	0,012	0,0130	0,014	0,015	0,015					
Moclobemid	1M14	µg/L	0,001	2	-	-	<BG	-	<BG	0,004					
Oxazepam	1M14	µg/L	0,001	2	2	0,016	0,0165	0,017	0,012	0,003					
Oxacarbazepin	1M14	µg/L	0,001	2	2	0,004	0,0050	0,006	<BG	0,001					
Paracetamol	1M14	µg/L	0,01	2	-	-	<BG	-	0,024	0,012					
Phenazon	1M14	µg/L	0,001	2	2	0,002	0,0020	0,002	<BG	0,001					
Propranolol	1M14	µg/L	0,005	2	-	-	<BG	-	<BG	0,004					
Sitagliptin	1M14	µg/L	0,001	2	2	0,012	0,0155	0,019	0,007	0,002					
Sotalol	1M14	µg/L	0,01	2	2	0,017	0,0290	0,041	<BG	0,010					
Sulfathiazol	1M14	µg/L	0,01	2	1	0,025	0,0150	0,025	0,008	-					
Sulfamethoxazol	1M14	µg/L	0,005	2	2	0,016	0,0170	0,018	<BG	0,018					
Trizandin	1M14	µg/L	0,001	2	1	0,039	0,0198	0,039	0,007	-					
Trimethoprim	1M14	µg/L	0,001	2	1	0,002	0,0013	0,002	0,002	0,002					
Valsartan	1M14	µg/L	0,005	2	2	0,016	0,0170	0,018	0,034	0,040					
Valsartansäure	1M14	µg/L	0,005	2	-	-	<BG	-	<BG	0,010					
Venlafaxin	1M14	µg/L	0,005	2	2	0,018	0,0195	0,021	0,008	0,016					
N-Desvenlafaxin	1M14	µg/L	0,005	2	-	-	<BG	-	0,003	0,009					
N,N-Diisvenlafaxin	1M14	µg/L	0,01	2	2	0,177	0,1770	0,177	0,199	0,071					
N,N-Diisvenlafaxin	1M14	µg/L	0,005	2	1	0,006	0,0043	0,006	<BG	0,005					
Verpamil	1M14	µg/L	0,001	2	-	-	<BG	-	<BG	0,009					
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0,001	2	2	0,089	0,0980	0,107	0,055	0,089					
4-Formyl-Aminoantipyrin	1M14	µg/L	0,002	2	2	0,007	0,0220	0,037	0,020	0,038					

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSF-Konvention angepasst)

- K: Stundmittelwerte
- 1M: Tagesmischprobe
- 7M: Mischprobe über 7 Tage
- 14M: Mischprobe über 14 Tage
- 28M: Mischprobe über 28 Tage
- 1M14: 24h-Mischprobe alle 14 Tage
- E28: Momentanprobe alle 28 Tage
- ** Angaben nur, wenn BG überschritten

Kurzbeurteilung: normal
 Grundgrößen: normal
 Abwasserinhaltsstoffe: normal
 Pflanzennährstoffe: normal
 Salze: normal
 gefährliche Stoffe: keine
 auffremde Stoffe: erhöhte Diglyme-Werte cmax: 1,3µg/L
 Gesamtzustand: gut



Besondere Vorkommnisse: **Nein**

(z.B. Störfälle)

Abfluss Tages- ϕ : prov. (Rheinhalle): 768 m³/s
 prov. min
 prov. max 687 m³/s
 prov. Vormonat (Rheinhalle): 854 m³/s
 prov. ϕ Vormonat (Rheinhalle): 734 m³/s
 prov. ϕ Vorjahr (2011, Rheinhalle): 827 m³/s

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	
Grundgrössen (S3)	Temperatur	K	°C				5.6		10.1				
	pH	K					7.97		8.27				
	Sauerstoff	K	mg/l				11.6		13.9				
	Leitfähigkeit	K	μ S/cm				339		434				
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1	4	4	1.68	1.76	1.94	1.71	1.76		
	TOC	14M	mg/l	0.1	2	2	2.16	2.27	2.37	2.08	2.13		
	SAK254	1M14	1/m	0.03	2	2	3.652	3.84	4.0235	4.79	4.17		
	SAK436	1M14	1/m	0.03	2	2	0.155	0.17	0.1842	0.49	0.23		
	Ammonium_N	1M14/E14	mg/l	0.01	4	4	0.0259	0.026	0.0268	0.056	0.050	0.2	
	Nitrit_N	E14	mg/l	0.004	2	2	0.0076	0.008	0.009	0.012	0.014		
	Kieselsäure_Si	14M/E14	mg/l	0.1	4	4	0.91	1.13	1.40	1.70	1.26		
	Borat	E28	μ g BL	10	1	1	19	19	19	15	17		
	Alkalinität (bis pH 4.5)	14M	mMol H ⁺	0.1	2	2	2.93	3.01	3.09	3.06	2.75		
	Gesamthärte	14M	DH°		2	2	9.8	9.9	10.1	10.2	9.2		
Kationen	Karbonathärte	14M	DH°		2	2	8.4	8.6	8.8	8.8	7.9		
	Calcium	14M	mg/l	7	2	2	56.4	57.1	57.8	58.5	53.0		
	Kalium	14M	mg/l	0.5	2	2	2.0	2.0	1.98	2.0	1.9		
	Magnesium	14M	mg/l	1	2	2	8.2	8.4	8.6	8.6	7.8		
	Natrium	14M	mg/l	2	2	2	10.4	10.6	10.8	12.4	10.0		
	Nitrat_N	14M	mg/l	0.06	2	2	1.50	1.56	1.62	1.72	1.33		
Pflanzennährstoffe	o-Phosphat_P	14M/E14	mg/l	0.003	4	4	0.003	0.004	0.004	0.012	0.014		
	Gesamtposphor_P	14M	mg/l	0.003	2	2	0.016	0.017	0.017	0.023	0.030	0.15	
	Gesamtnitrostoff	14M/E14	mg/l	0.01	4	4	1.38	1.46	1.55	1.67	1.49		
	Bromid	14M	mg/l	0.01	2	2	0.153	0.160	0.167	0.161	0.128		
Salze	Chlorid	14M	mg/l	1.5	2	2	13.6	14.2	14.8	17.0	13.2		
	Fluorid	14M	mg/l	0.03	2	2	0.083	0.085	0.086	0.092	0.090		
	Sulfat	14M	mg/l	2.5	2	2	25.9	26.2	26.5	27.8	27.8		
	DTPA	28M	μ g/l	0.5	1	1	-	<BG		<BG	0.47		
Komplexbildner	EDTA	28M	μ g/l	0.5	1	1	1.175	1.175	1.175	1.1	1.3		
	NTA	28M	μ g/l	0.5	1	1	-	<BG		<BG	0.9		
gefährliche Stoffe													
Schwermetalle (gesamt)	Arsen	14M	μ g/l	0.5	2	2	0.81	0.85	0.89	0.84	0.87		
	Blei	14M	μ g/l	0.1	2	1	0.11	0.08	0.11	<BG	0.29		
	Cadmium	14M	μ g/l	0.02	2	-	-	<BG		<BG	<BG		
	Chrom	14M	μ g/l	0.2	2	2	0.23	0.32	0.41	0.29	0.27		
	Kupfer	14M	μ g/l	0.5	2	2	0.81	0.89	0.97	0.84	1.14		
	Nickel	14M	μ g/l	0.5	2	2	0.64	0.67	0.69	0.41	0.62		
	Quecksilber	14M	μ g/l	0.01	2	2	-	<BG		<BG	<BG		
	Zink	14M	μ g/l	1	2	2	1	1.2	1.4	0.9	1.5		
Schwermetalle (gelöst)	Arsen	E28	μ g/l	0.5	1	1	0.63	0.63	0.63	0.9	0.8		
	Blei	E28	μ g/l	0.1	1	-	-	<BG		<BG	0.1		
	Cadmium	E28	μ g/l	0.02	1	-	-	<BG		<BG	<BG		
	Chrom	E28	μ g/l	0.2	1	1	0.34	0.34	0.34	<BG	0.2		
	Kupfer	E28	μ g/l	0.5	1	1	0.76	0.76	0.76	0.68	0.93		
	Nickel	E28	μ g/l	0.5	1	1	0.61	0.61	0.61	<BG	0.51		
	Quecksilber	E28	μ g/l	0.01	1	-	-	<BG		<BG	<BG		
	Zink	E28	μ g/l	1	1	-	-	<BG		<BG	0.74		
Summenkenngrössen	GUS	14M	mg/l	0.1	2	2	2.7	3.0	3.3	3.0	8.2		

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	
gefährliche Stoffe LCKW**	1,1,1-Trichlorethan	1M	µg/l	0.001	31	29	0.001	0.002	0.003	0.002	0.004		
	Bromoform	1M	µg/l	0.01	31	29	0.010	0.012	0.016	0.009	0.017		
	Chloroform	1M	µg/l	0.05	31	27	0.024	0.036	0.070	0.030	0.031	0.6	
	Dichlormethan	1M	µg/l	0.04	31	28	0.043	0.093	0.180	0.031	0.023		
	Hexachlorethan	1M	µg/l	0.0004	31	29	0.0004	0.0009	0.0013	0.001	0.001		
	Tetrachlorethan	1M	µg/l	0.001	31	31	0.021	0.028	0.030	0.032	0.028	1.0	
	Tetrachlormethan	1M	µg/l	0.001	31	29	0.001	0.003	0.006	0.003	0.003		
	Trichlorethan	1M	µg/l	0.001	31	31	0.002	0.004	0.006	0.004	0.004		
	Summe halogenierte	1M	µg/l	0.001	31	31	0.070	0.171	0.291	0.095	0.070		
	Alachlor	1M	µg/l	0.005	31	12	-	<BG	<BG	<BG	0.003	0.1	
	Atrazin	1M	µg/l	0.005	31	31	0.005	0.003	0.005	0.006	0.005	0.1	
	DEET	1M	µg/l	0.005	31	31	0.007	0.013	0.055	0.026	0.021		
	Desethylatrazin	1M	µg/l	0.005	31	18	0.005	0.004	0.007	0.008	0.006		
	Desethylterbutylazin	1M	µg/l	0.005	31	1	0.010	0.003	0.010	<BG	0.003		
	Desmetryn	1M	µg/l	0.005	31	-	-	<BG	<BG	0.003	0.003		
Diazinon	1M	µg/l	0.01	31	8	0.005	<BG	0.008	<BG	0.004	0.02		
2,6-Dichlorbenzamid	1M	µg/l	0.01	31	2	0.010	0.005	0.012	0.008	0.007			
Igarol	1M	µg/l	0.005	31	-	-	<BG	<BG	0.004	0.003			
Metolachlor	1M	µg/l	0.005	31	26	0.005	0.008	0.018	0.007	0.010	0.1		
Penconazol	1M	µg/l	0.005	31	15	0.005	0.004	0.011	0.007	0.004			
Simazin	1M	µg/l	0.005	31	-	-	<BG	<BG	0.003	0.003	0.06		
Terbumeton	1M	µg/l	0.005	31	-	-	<BG	<BG	0.003	<BG			
Terbutylazin	1M	µg/l	0.005	31	-	-	<BG	<BG	<BG	0.005			
Terbutryn	1M	µg/l	0.005	31	-	-	<BG	<BG	0.003	0.003			
Mecoprop	1M14	µg/l	0.001	2	1	0.006	0.003	0.006	0.005	0.014			
Chlortoluron	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.001	0.001			
Diuron	1M14	µg/l	0.003	2	1	0.006	0.003	0.006	0.004	0.006			
Isoproturon	1M14	µg/l	0.003	2	2	0.002	0.004	0.005	0.002	0.005			
4-Isopropylanilin	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.005			
Metaxyl	1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.005	0.002			
Metazachlor	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	<BG	0.001			
Metazachlor-ESA	1M14	µg/l	0.001	2	1	0.011	0.006	0.011	0.028	0.005			
Metolachlor (ESA)	1M14	µg/l	0.005	2	2	0.010	0.013	0.016	0.009	0.009			
Metolachlor (OXA)	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.008			
Metolachlor-Morpholinon	1M14	µg/l	0.001	2	1	0.004	0.002	0.004	0.005	0.006			
Alachlor-OXA	1M14	µg/l	0.005	2	1	0.019	0.011	0.019	0.009	0.003			
Atraton	1M14	µg/l	0.001	2	1	0.002	0.001	0.002	-	-			
Azoxystrobin-säure	1M14	µg/l	0.01	2	1	0.001	0.003	0.001	0.007	0.005			
MCPA	1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.005			
Carbendazim	1M14	µg/l	0.001	2	2	0.006	0.007	0.007	<BG	0.005			
Cyproconazol	1M14	µg/l	0.001	2	1	0.012	0.006	0.012	0.007	0.007			
Desamino-Metamitron	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.012	0.010			
Dimethachlor-ESA	1M14	µg/l	0.001	2	1	0.005	0.003	0.005	<BG	0.006			
Dimethenamid	1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.001			
Dimethylaminosulfamid	1M14	µg/l	0.005	2	-	-	<BG	<BG	<BG	0.001			
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	2	1	0.025	0.015	0.025	<BG	0.005			
Dinoseb	1M14	µg/l	0.001	2	1	0.003	0.003	0.003	<BG	0.002			
2-Hydroxyatrazin	1M14	µg/l	0.001	2	2	0.003	0.003	0.003	0.003	0.002			
Pyrimidinol	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.001	0.004			
Propiconazol	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.005			
2-Chloranilin	1M14	µg/l	0.02	2	-	-	<BG	<BG	<BG	0.025			
2-Chlornitrobenzol	1M14	µg/l	0.02	2	-	-	<BG	<BG	<BG	0.012			
Bisphenol-A	1M14	µg/l	0.01	2	1	0.022	0.014	0.022	<BG	<BG			
Perfluoroctansulfonsäure	1M28	µg/l	0.005	1	-	-	<BG	<BG	<BG	<BG			
N-(4-Aminophenyl)-N-Methyl-Acetalamid	1M14	µg/L	0.025	2	-	-	<BG	<BG	<BG	0.015			
N-Methyl-N-Phenyl-Acetalamid	1M14	µg/L	0.005	2	-	-	<BG	<BG	<BG	0.005			
Benzothiazol	1M14	µg/L	0.025	2	-	-	<BG	<BG	<BG	0.080			
Benzothiazol	1M14	µg/l	0.005	2	2	0.323	0.364	0.405	0.224	0.254			
5-Methylbenzothiazol	1M14	µg/l	0.005	2	2	0.168	0.175	0.182	0.151	0.254			
N-Methyl-Benzotriazol	1M14	µg/l	0.005	2	-	-	<BG	<BG	0.005	-			
2-Naphthalinsulfonsäure	1M14	µg/l	0.005	2	-	-	<BG	<BG	0.009	0.038			
2,7-Naphthalindisulfonsäure	1M14	µg/l	0.005	2	-	-	<BG	<BG	<BG	0.233			

Arzneimittel-Wirkstoffe und Metaboliten	1M	µg/l	0.05	31	31	0.199	0.459	0.774	0.46	0.10
Diglyme	1M	µg/l	0.05	31	31	0.199	0.459	0.774	0.46	0.10
Galaxolid	1M	µg/l	0.01	31	31	0.029	0.037	0.057	0.04	0.03
Surfynol T04	1M	µg/l	0.025	31	31	0.067	0.107	0.161	0.17	0.19
Acesulfam	1M14	µg/l	0.01	2	2	1.090	1.175	1.259	0.86	0.27
Cyclohexylsulfamidssäure	1M14	µg/l	0.01	2	2	0.038	0.070	0.102	0.03	0.02
Saccharin	1M14	µg/l	0.01	2	2	0.057	0.084	0.110	0.06	0.02
Sucralose	1M14	µg/l	0.01	2	2	0.108	0.148	0.187	0.053	0.083
Coffein	1M	µg/l	0.01	31	31	0.027	0.049	0.123	0.041	0.090
Amisulprid	1M14	µg/L	0.001	2	2	0.005	0.005	0.005	0.006	0.001
AMDOPH	1M14	µg/L	0.001	2	1	0.002	0.001	0.002	-	-
Atenolol	1M14	µg/L	0.005	2	1	0.016	0.009	0.016	0.006	0.010
Atenololsäure	1M14	µg/L	0.003	2	2	0.069	0.078	0.087	0.047	0.058
Candesartan	1M14	µg/L	0.001	2	2	0.008	0.009	0.009	0.007	0.003
Carbamazepin	1M14	µg/L	0.001	2	2	0.038	0.043	0.048	0.025	0.031
Carbamazepin-10,11-Epoxid	1M14	µg/L	0.001	2	-	-	<BG	-	0.004	0.003
Carbamazepin-10,11Dihydro-10,11Dihydroxy	1M14	µg/L	0.001	2	2	0.025	0.033	0.041	0.033	0.041
Ceftriaxin	1M14	µg/L	0.001	2	2	0.071	0.071	0.071	0.058	0.009
Citalopram	1M14	µg/L	0.001	2	2	0.006	0.006	0.006	0.003	0.001
Clarithromycin	1M14	µg/L	0.001	2	2	0.009	0.010	0.010	0.007	0.007
Climbazol	1M14	µg/L	0.001	2	1	0.006	0.003	0.006	0.026	0.003
Clopidogrelsäure	1M14	µg/L	0.005	2	2	0.006	0.007	0.007	0.005	0.004
Codein	1M14	µg/L	0.01	2	-	-	<BG	-	<BG	0.005
D617	1M14	µg/L	0.005	2	-	-	<BG	-	<BG	0.012
Diclofenac	1M14	µg/L	0.005	2	1	0.037	0.020	0.037	0.029	0.022
Eprosartan	1M14	µg/L	0.01	2	1	0.018	0.012	0.018	<BG	0.005
Fluxetin	1M14	µg/L	0.001	2	1	0.004	0.002	0.004	<BG	0.001
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	2	1	0.026	0.013	0.026	0.004	0.026
Gabapentin	1M14	µg/L	0.01	2	2	0.064	0.070	0.076	0.030	0.064
Hydrochlorthiazid	1M14	µg/L	0.01	2	2	0.034	0.036	0.038	0.028	-
Iohexol	1M14	µg/L	0.005	2	-	-	<BG	-	0.053	0.007
Iopromid	1M14	µg/L	0.005	2	-	-	<BG	-	0.096	0.140
Levetiracetam	1M14	µg/L	0.005	2	2	0.019	0.022	0.025	0.017	0.018
Lidocain	1M14	µg/L	0.001	2	2	0.011	0.019	0.027	0.016	0.013
Losartan	1M14	µg/L	0.001	2	2	0.009	0.015	0.021	0.006	<BG
Meformin	1M14	µg/L	0.005	2	2	0.005	0.016	0.026	0.018	0.002
Metoclopramid	1M14	µg/L	0.001	2	2	0.599	0.608	0.617	0.475	0.448
Meiprotolol	1M14	µg/L	0.001	2	1	0.001	0.001	0.001	-	-
Oxazepam	1M14	µg/L	0.001	2	2	0.010	0.015	0.019	0.013	0.015
Paracetamol	1M14	µg/L	0.01	2	2	0.014	0.017	0.019	0.017	0.003
Phenazon	1M14	µg/L	0.001	2	2	0.007	0.009	0.010	0.005	0.001
Sitagliptin	1M14	µg/L	0.001	2	-	-	<BG	-	<BG	0.012
Sotalol	1M14	µg/L	0.01	2	2	0.002	0.002	0.002	0.002	0.001
Sulfamethoxazol	1M14	µg/L	0.005	2	2	0.016	0.018	0.019	0.016	0.002
Sulfathiazol	1M14	µg/L	0.01	2	1	0.016	0.011	0.016	0.029	0.010
Tizanidin	1M14	µg/L	0.001	2	2	0.016	0.018	0.020	0.017	0.018
Trimehoprim	1M14	µg/L	0.001	2	2	0.016	0.024	0.031	0.015	-
Valsartan	1M14	µg/L	0.005	2	-	-	<BG	-	0.020	-
Venlafaxin	1M14	µg/L	0.005	2	2	0.009	0.042	0.074	0.001	0.002
N-Desvenlafaxin	1M14	µg/L	0.005	2	1	0.022	0.012	0.022	<BG	0.010
N,N-Didesvenlafaxin	1M14	µg/L	0.01	2	2	0.011	0.012	0.012	0.020	0.016
O,N-Didesvenlafaxin	1M14	µg/L	0.005	2	-	-	<BG	-	<BG	0.009
Verparnil	1M14	µg/L	0.001	2	2	0.006	0.017	0.027	0.177	0.071
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0.001	2	1	0.003	0.002	0.003	0.004	0.005
4-Formyl-Aminoantipyrin	1M14	µg/L	0.002	2	2	0.106	0.117	0.128	<BG	0.009
				2	2	0.052	0.053	0.054	0.098	0.089
									0.022	0.038

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKS-R-Konvention angepasst)

K: Stundenmittelwerte
1M: Tagesmischprobe
7M: Mischprobe über 7 Tage
14M: Mischprobe über 14 Tage
28M: Mischprobe über 28 Tage
1M14: 24h-Mischprobe alle 14 Tage
E28: Momentanprobe alle 28 Tage
** Angaben nur, wenn BG überschritten

n: Anzahl der Messungen
n>BG: Anzahl der Messungen grösser analyt. Bestimmungsgrenze (BG)
Min: Minimum
Mittel: arithmetischer Mittelwert
Max: Maximum

Kurzbeurteilung: normal
Grundgrößen: normal
Abwasserinhaltsstoffe: normal
Pflanzenernährstoffe: normal
Salze: keine
gefährliche Stoffe: keine
artfremde Stoffe: keine
Gesamtzustand: gut



Amt für Umwelt und Energie Basel-Stadt
Ressort Labor und Rheinüberwachungsstation

Monatsbericht
Rheinüberwachungsstation Weil am Rhein

Monat April
Jahr 2012
 Abfluss Tages- ϕ : prov. (Rheinhalle): 1003 m³/s
 min 779 m³/s
 max 1455 m³/s
 prov. ϕ Vormonat (Rheinhalle): 768 m³/s
 prov. ϕ Vorjahr (2011, Rheinhalle): 827 m³/s

Besondere Vorkommnisse:
 (z.B. Störfälle) **Nein**

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Beslim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvor-gabe	Messwert(e) grösster ZV	Bemerkungen	
					n	>-BG	Min	Mittel	Max	Vormonat Mittel IKSR				2011 Mittel nach IKSR
Grundgrössen (S3)	Temperatur	K	°C											
	pH	K												
	Sauerstoff	K	mg/l											
	Leitfähigkeit	K	μ S/cm											
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1	4	4	1.67	1.71	1.77	1.76	1.76			
	TOC	14M	mg/l	0.1	2	2	2.21	2.40	2.58	2.27	2.13			
	SAK254	1M/4	1/m	0.03	2	2	4.1072	4.16	4.2032	3.84	4.17			
	SAK266	1M/4	1/m	0.03	2	2	0.238	0.28	0.32	0.17	0.23			
	Ammonium N	1M/4/E14	mg/l	0.01	4	4	0.0416	0.047	0.0528	0.026	0.050	0.2		
	Nitrit N	E14	mg/l	0.004	2	2	0.0112	0.012	0.0121	0.008	0.014			
	Kieselsäure Si	14M/E14	mg/l	0.1	4	4	0.98	1.29	1.50	1.13	1.26			
	Borat	E28	μ g/BL	10	1	1	16	16	16	19	17			
	Alkalinität (bis pH 4.5)	14M	mMol H ⁺	0.1	2	2	2.83	2.89	2.94	3.01	2.75			
	Gesamthärte	14M	DH°		2	2	9.4	9.5	9.7	9.9	9.2			
Kationen	Karbonathärte	14M	DH°		2	2	8.1	8.2	8.4	8.6	7.9			
	Calcium	14M	mg/l	7	2	2	54.5	55.6	56.6	57.1	53.0			
	Kalium	14M	mg/l	0.5	2	2	1.8	1.9	1.9	2.0	1.9			
	Magnesium	14M	mg/l	1	2	2	7.6	7.7	7.8	8.4	7.8			
	Natrium	14M	mg/l	2	2	2	8.6	9.1	9.5	10.6	10.0			
	Nitrat N	14M	mg/l	0.06	2	2	1.37	1.40	1.43	1.56	1.33			
Pflanzennährstoffe	o-Phosphat_P	14M/E14	mg/l	0.003	4	3	0.008	0.008	0.015	0.004	0.014			
	Gesamtkleinphosphor_P	14M	mg/l	0.003	2	2	0.0163	0.024	0.032	0.017	0.030	0.15		
	Gesamtschwefelstoff	14M/E14	mg/l	0.01	4	4	1.45	1.51	1.59	1.46	1.49			
	Bromid	14M	mg/l	0.01	2	2	0.136	0.145	0.153	0.160	0.128			
Salze	Chlorid	14M	mg/l	1.5	2	2	11.5	11.9	12.3	14.2	13.2			
	Fluorid	14M	mg/l	0.03	2	2	0.081	0.081	0.081	0.085	0.090			
	Sulfat	14M	mg/l	2.5	2	2	25.0	25.7	26.3	26.2	27.8			
	DTPA	28M	μ g/l	0.5	1	1	-	<BG	<BG	<BG	0.47			
Komplexbildner	EDTA	28M	μ g/l	0.5	1	1	1.172	1.172	1.172	1.2	1.3			
	NTA	28M	μ g/l	0.5	1	1	-	<BG	<BG	0.9				
gefährliche Stoffe	Schwermetalle (gesamt)	Arsen	14M	μ g/l	0.5	2	2	0.76	0.78	0.79	0.85	0.87		
		Blei	14M	μ g/l	0.1	2	2	0.11	0.27	0.43	0.08	0.29		
		Cadmium	14M	μ g/l	0.02	2	2	-	<BG	<BG	<BG	<BG		
		Chrom	14M	μ g/l	0.2	2	2	0.2	0.245	0.29	0.32	0.27		
		Kupfer	14M	μ g/l	0.5	2	2	0.85	1.03	1.2	0.89	1.14		
		Nickel	14M	μ g/l	0.5	2	2	0.62	0.70	0.77	0.67	0.62		
		Quecksilber	14M	μ g/l	0.005	2	2	-	<BG	<BG	<BG	<BG		
		Zink	14M	μ g/l	1	2	2	1.3	1.65	2	1.2	1.5		
	Schwermetalle (gelöst)	Arsen	E28	μ g/l	0.5	1	1	0.65	0.65	0.65	0.6	0.8		
		Blei	E28	μ g/l	0.1	1	1	-	<BG	<BG	<BG	0.1		
		Cadmium	E28	μ g/l	0.02	1	1	-	<BG	<BG	<BG	<BG		
		Chrom	E28	μ g/l	0.2	1	1	-	<BG	<BG	0.3	0.2		
		Kupfer	E28	μ g/l	0.5	1	1	0.76	0.76	0.76	0.76	0.88		
		Nickel	E28	μ g/l	0.5	1	1	0.62	0.62	0.62	0.61	0.51		
		Quecksilber	E28	μ g/l	0.005	1	1	-	<BG	<BG	<BG	<BG		
		Zink	E28	μ g/l	1	1	1	-	<BG	<BG	<BG	0.74		
Summenkenngrössen	GUS	14M	mg/l	0.1	2	2	3.6	7.3	11	3.0	8.2			

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Besim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR	Bemerkungen				
					n	>BG	Min	Mittel IKSR	Max	Vormonat Mtlk IKSR			2011 Mittel nach IKSR	Zielvor-gabe	Messwert(e) grösser ZV	
gefährliche Stoffe LCKW**	1,1-Dichlorethen	1M	µg/l	0.02	30	-					-BG	0.010				
	1,2-Dichlorbenzol	1M	µg/l	0.04	30	-					-BG	0.021				
	1,1,1-Trichlorethan	1M	µg/l	0.001	30	27	0.001				0.002	0.004				
	Bromoform	1M	µg/l	0.01	30	28	0.011	0.014	0.022			0.012	0.017			
	Chloroform	1M	µg/l	0.05	30	30	0.021	0.030	0.043			0.036	0.031		0.6	
	Dichlormethan	1M	µg/l	0.04	30	23	0.045	0.060	0.12			0.083	0.023			
	Hexachlorethan	1M	µg/l	0.0004	30	21	0.0004	0.0005	0.0013			0.001	0.001			
	Tetrachlorethen	1M	µg/l	0.001	30	30	0.015	0.020	0.025			0.026	0.028		1.0	
	Tetrachlormethan	1M	µg/l	0.001	30	30	0.0013	0.002	0.0032			0.003	0.003			
	Trichlorethen	1M	µg/l	0.001	30	30	0.0025	0.003	0.0041			0.004	0.004			
	Summe halogenierte	1M	µg/l		30	30	0.0468	0.126	0.1844			0.171	0.070			
	Pestizide und org. Erzeleste**	Akathion	1M	µg/l	0.005	30	-					-BG	0.003			
		Anrazin	1M	µg/l	0.005	30	24	0.0050	0.005	0.0120			0.003	0.005		
		DEET	1M	µg/l	0.005	30	30	0.0070	0.015	0.0590			0.013	0.021		
		Desethylatrazin	1M	µg/l	0.005	30	28	0.0050	0.005	0.0060			0.004	0.006		
		Desethylterbutylazin	1M	µg/l	0.005	30	-						0.003	0.003		
		Desisopropylazin	1M	µg/l	0.01	30	1	0.01	0.005	0.01			-BG	0.006		
		Desmetyln	1M	µg/l	0.005	30	5	0.005	0.003	0.007			-BG	0.004		
		Diazinon	1M	µg/l	0.005	30	16	0.0100	0.008	0.0140			-BG	0.004		0.02
		2,6-Dichlorbenzamid	1M	µg/l	0.01	30	-						-BG	0.003		
		Dimehthamid	1M	µg/l	0.005	30	6	0.005	0.003	0.01			-BG	0.003		
		Etholumesate	1M	µg/l	0.005	30	-						-BG	0.003		
		Fenamidon	1M	µg/l	0.005	30	-						-BG	0.003		
		Fenproprymorph	1M	µg/l	0.005	30	-						-BG	0.003		
		Igeralol	1M	µg/l	0.005	30	-						-BG	0.003		
		iso-Chloridazon	1M	µg/l	0.005	30	-						-BG	0.003		
		Metatyl	1M	µg/l	0.005	30	-						-BG	0.003		
		Metazachlor	1M	µg/l	0.005	30	-						-BG	0.003		
		Metolachlor	1M	µg/l	0.005	30	30	0.0060	0.010	0.0180			-BG	0.010		
		Obencarb	1M	µg/l	0.005	30	1	0.007	0.003	0.007			-BG	0.003		
		Penconazol	1M	µg/l	0.005	30	5	0.005	0.003	0.01			0.004	0.004		
		Propylzamid	1M	µg/l	0.005	30	2	0.005	0.003	0.005			-BG	0.003		
		Prosulfocarb	1M	µg/l	0.005	30	-						-BG	0.003		
Simazin		1M	µg/l	0.005	30	-						-BG	0.003		0.06	
Tebuthiazin		1M	µg/l	0.005	30	-						-BG	0.003			
Terbutylazin		1M	µg/l	0.005	30	-						-BG	0.005			
Terbutyn		1M	µg/l	0.005	30	-						-BG	0.003			
Vinclozolin		1M	µg/l	0.005	30	-						-BG	0.003			
Bentazon		1M14	µg/l	0.001	3	2	0.002	0.002	0.002			-BG	0.001			
Mecoprop		1M14	µg/l	0.001	3	-						-BG	0.014			
2-Chlor-2-Methylphenol		1M14	µg/l	0.001	3	1	0.014	0.005	0.014			-BG	0.001			
Chlorofluren		1M14	µg/l	0.001	3	1	0.002	0.001	0.002			0.003	0.006			
Duron		1M14	µg/l	0.001	3	3	0.005	0.006	0.007			0.004	0.005			
Isoproturon		1M14	µg/l	0.003	3	3	0.006	0.007	0.008			-BG	0.005			
4-Isopropylaminil	1M14	µg/l	0.01	3	-						-BG	0.005				
Metatyl	1M14	µg/l	0.001	3	1	0.007	0.003	0.007			0.002	0.002				
Metazachlor	1M14	µg/l	0.001	3	2	0.002	0.002	0.003			0.001	0.001				
Metazachlor-ESA	1M14	µg/l	0.001	3	-						0.006	0.005				
Metolachlor (OXA)	1M14	µg/l	0.001	3	1	0.007	0.006	0.007			-BG	0.013				
Metolachlor-Morpholinon	1M14	µg/l	0.001	3	3	0.002	0.003	0.003			-BG	0.006				
Akthlor-OXA	1M14	µg/l	0.005	3	3	0.002	0.006	0.006			0.02	0.006				
Azoxystrobin säure	1M14	µg/l	0.01	3	-						0.011	0.003				
MCPA	1M14	µg/l	0.001	3	2	0.008	0.005	0.007			0.003	0.005				
Carbendazim	1M14	µg/l	0.001	3	3	0.006	0.006	0.006			-BG	0.007				
Chloridazon	1M14	µg/l	0.005	3	-						-BG	0.003				
Cyproconazol	1M14	µg/l	0.001	3	3	0.012	0.022	0.032			0.006	0.010				
Desamino-Metamiron	1M14	µg/l	0.001	3	3	0.004	0.009	0.018			-BG	0.006				
Desamino-Meirbutzin	1M14	µg/l	0.001	3	2	0.001	0.001	0.002			-BG	0.001				
Dimehthachlor-ESA	1M14	µg/l	0.001	3	-						0.003	0.001				
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	3	-						0.015	0.005				
Dinoseb	1M14	µg/l	0.001	3	-						-BG	0.005				
Flufenacet-ESA	1M14	µg/l	0.005	3	3	0.002	0.003	0.003			-BG	0.003				
2-Hydroxyatrazin	1M14	µg/l	0.001	3	-						-BG	0.003				
Pethoxamid	1M14	µg/l	0.005	3	-						-BG	0.003				
Primicarb	1M14	µg/l	0.001	3	-						-BG	0.004				
Pyrimidol	1M14	µg/l	0.001	3	1	0.001	0.001	0.001			-BG	0.004				
Propachlor-ESA	1M14	µg/l	0.005	3	-						-BG	0.004				
Propiconazol	1M14	µg/l	0.01	3	-						-BG	0.005				
2-Chloraminil	1M14	µg/l	0.02	3	-						-BG	0.025				
2-Chlormitribenzol	1M14	µg/l	0.02	3	-						-BG	0.012				
Bisphenol-A	1M14	µg/l	0.01	3	1	0.019	0.010	0.019			0.014	<BG				

Arzneimittel/Wirkstoffe und Metabolite	1M28	µg/l	0.005	3	-	<BG	<BG	<BG	<BG	0.005
Perfluorociansulfonsäure	1M14	µg/L	0.025	3	-	<BG	<BG	<BG	<BG	0.015
N-(4-Aminophenyl)-N-Methyl-Acetamid	1M14	µg/L	0.005	3	-	<BG	<BG	<BG	<BG	0.005
N-Methyl-N-Phenyl-Acetamid	1M14	µg/L	0.025	3	-	<BG	<BG	<BG	<BG	0.080
Benzothiazol	1M14	µg/l	0.005	3	-	0.206	0.223	0.244	0.264	0.254
5-Methylbenzotriazol	1M14	µg/l	0.005	3	3	0.1050	0.116	0.1230	0.175	0.254
2-Naphthalinsulfonsäure	1M14	µg/l	0.005	3	3	0.01	0.048	0.119	0.048	0.038
2,7-Naphthalindisulfonsäure	1M14	µg/l	0.005	3	-	<BG	<BG	<BG	<BG	0.233
Triclosan	1M14	µg/l	0.005	3	-	0.064	0.339	0.706	0.46	0.003
Diglyme	1M	µg/l	0.05	30	30	0.023	0.033	0.04	0.04	0.10
Galaxolid	1M14	µg/l	0.01	3	-	<BG	<BG	<BG	<BG	0.03
Galaxolidon	1M14	µg/l	0.02	3	-	<BG	<BG	<BG	<BG	0.01
Tonalid	1M	µg/l	0.01	30	30	0.0540	0.083	0.1140	<BG	0.01
Surfynol 104	1M	µg/l	0.025	3	3	0.8000	0.860	0.9780	1.17	0.27
Acetulfam	1M14	µg/l	0.01	3	3	0.0630	0.075	0.0920	0.07	0.02
Cyclohexylsulfamidssäure	1M14	µg/l	0.01	3	3	0.4440	0.659	0.0710	0.08	0.02
Saccharin	1M14	µg/l	0.01	3	3	0.0740	0.090	0.1130	0.148	0.083
Sucralose	1M14	µg/l	0.01	30	30	0.0350	0.059	0.1080	0.049	0.090
Coffein	1M	µg/l	0.01	3	3	0.004	0.004	0.004	0.005	0.001
Anisulprid	1M14	µg/L	0.001	3	-	<BG	<BG	<BG	<BG	-
AMDCPH	1M14	µg/L	0.001	3	3	0.009	0.011	0.013	0.009	0.010
Alenolol	1M14	µg/L	0.005	3	3	0.056	0.061	0.067	0.078	0.058
Alencolsäure	1M14	µg/L	0.003	3	-	<BG	<BG	<BG	<BG	0.001
Azithromycin	1M14	µg/L	0.001	3	1	0.007	0.003	0.007	<BG	0.001
Bezafibrat	1M14	µg/L	0.001	3	3	0.017	0.025	0.033	-	-
Bicalutamid	1M14	µg/L	0.005	3	3	0.007	0.004	0.007	-	-
Bupropion	1M14	µg/L	0.005	3	3	0.01	0.011	0.013	0.009	0.003
Carbessartan	1M14	µg/L	0.001	3	3	0.024	0.027	0.031	0.043	0.031
Carbamazepin	1M14	µg/L	0.001	3	3	0.002	0.003	0.005	<BG	0.003
Carbamazepin-10,11-Epoxid	1M14	µg/L	0.001	3	3	0.02	0.024	0.028	0.033	0.041
Carbamazepin-10,11-Dihydro-10,11-Dihydroxy	1M14	µg/L	0.001	3	-	<BG	<BG	<BG	<BG	0.009
Cetirizin	1M14	µg/L	0.001	3	-	<BG	<BG	<BG	<BG	0.001
Citalopram	1M14	µg/L	0.001	3	-	<BG	<BG	<BG	<BG	0.001
Clarithromycin	1M14	µg/L	0.001	3	3	0.006	0.006	0.007	0.010	0.007
Climbazol	1M14	µg/L	0.001	3	3	0.002	0.012	0.031	0.003	0.003
Clindamycin	1M14	µg/L	0.005	3	3	0.007	0.004	0.007	<BG	0.001
Clopidogrelsäure	1M14	µg/L	0.005	3	3	0.006	0.009	0.01	0.007	0.004
Coden	1M14	µg/L	0.01	3	1	0.017	0.009	0.017	<BG	0.005
D617	1M14	µg/L	0.005	3	-	<BG	<BG	<BG	<BG	0.012
Diclofenac	1M14	µg/L	0.005	3	3	0.018	0.022	0.025	0.020	0.022
Eprosartan	1M14	µg/L	0.01	3	2	0.016	0.016	0.026	0.012	0.005
Fluxetin	1M14	µg/L	0.001	3	1	0.004	0.002	0.004	0.002	0.001
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	3	1	0.021	0.007	0.021	0.013	0.026
Gabapentin	1M14	µg/L	0.01	3	3	0.052	0.059	0.062	0.070	0.064
Hydrochlorothiazid	1M14	µg/L	0.01	3	3	0.021	0.023	0.027	0.036	-
Indometacin	1M14	µg/L	0.01	3	1	0.039	0.016	0.039	<BG	<BG
Ibuprofen	1M14	µg/L	0.005	3	-	<BG	<BG	<BG	<BG	0.007
Iopromid	1M14	µg/L	0.005	3	-	<BG	<BG	<BG	<BG	0.140
Lamotigin	1M14	µg/L	0.005	3	3	0.014	0.016	0.017	0.022	0.018
Levetiracetam	1M14	µg/L	0.005	3	3	0.019	0.021	0.024	0.019	0.013
Lidocain	1M14	µg/L	0.001	3	3	0.005	0.006	0.009	0.015	<BG
Losartan	1M14	µg/L	0.001	3	3	0.017	0.024	0.035	0.016	0.002
Mefenamin	1M14	µg/L	0.005	3	3	0.273	0.328	0.408	0.608	0.448
Meloprolo	1M14	µg/L	0.001	3	3	0.012	0.013	0.014	0.015	0.015
Moclobemid	1M14	µg/L	0.001	3	-	<BG	<BG	<BG	<BG	0.004
Oxazepam	1M14	µg/L	0.001	3	3	0.023	0.030	0.043	0.017	0.003
Oxacarbazepin	1M14	µg/L	0.001	3	1	0.003	0.001	0.003	0.009	0.001
Paracetamol	1M14	µg/L	0.01	3	1	0.081	0.030	0.081	<BG	0.012
Phenazon	1M14	µg/L	0.001	3	3	0.001	0.002	0.002	0.002	0.001
Primaprid	1M14	µg/L	0.005	3	-	<BG	<BG	<BG	<BG	0.004
Stigaplin	1M14	µg/L	0.001	3	3	0.007	0.009	0.011	0.011	0.002
Sotalol	1M14	µg/L	0.01	3	-	<BG	<BG	<BG	<BG	0.010
Sulfamethoxazol	1M14	µg/L	0.005	3	3	0.012	0.013	0.014	0.018	0.018
Sulfathiazol	1M14	µg/L	0.01	3	-	<BG	<BG	<BG	<BG	-
Tizanidin	1M14	µg/L	0.001	3	2	0.001	0.002	0.003	0.024	-
Trimethoprim	1M14	µg/L	0.001	3	3	0.001	0.002	0.003	<BG	0.002
Valsartan	1M14	µg/L	0.005	3	3	0.034	0.039	0.045	0.042	0.040
Valsartansäure	1M14	µg/L	0.005	3	1	0.023	0.009	0.023	0.012	0.010
Venlafaxin	1M14	µg/L	0.005	3	3	0.007	0.009	0.011	0.012	0.016
N-Desvenlafaxin	1M14	µg/L	0.005	3	-	<BG	<BG	<BG	<BG	0.009
N,N-Diisenthalafaxin	1M14	µg/L	0.01	3	1	0.015	0.008	0.015	<BG	0.071
O,N-Diisenthalafaxin	1M14	µg/L	0.005	3	1	0.005	0.003	0.005	0.017	0.005
Verapamil	1M14	µg/L	0.001	3	-	<BG	<BG	<BG	0.002	0.009
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0.001	3	3	0.085	0.089	0.097	0.117	0.089
4-Formyl-Aminoantipyrin	1M14	µg/L	0.002	3	3	0.028	0.031	0.034	0.053	0.038

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSr-Konvention angepasst)

- K: Stundemittelwerte
- 1M: Tagemischprobe
- 7M: Mischprobe über 7 Tage
- 14M: Mischprobe über 14 Tage
- 28M: Mischprobe über 28 Tage
- 1M/4: 24h-Mischprobe alle 14 Tage
- E28: Momentprobe alle 28 Tage
- ** : Angaben nur, wenn BG überschritten

Kurzbeurteilung:
Grundgrößen: normal
Abwasserinhaltsstoffe: normal
Pflanzennährstoffe: normal
Salze: normal
gefährliche Stoffe: keine
antifremde Stoffe: keine
Gesamtzustand: gut



Abfluss Tages-φ : prov. (Rheinhalle): 1294 m³/s
 prov. min 1101 m³/s
 prov. max 1471 m³/s
 prov. φ Vormonat (Rheinhalle): 1003 m³/s
 prov. φ Vorjahr (2011, Rheinhalle): 827 m³/s

Besondere Vorkommnisse: Nein
 (z.B. Störfälle)

Gruppe	Kenngröße	Probenart	Dimen- sion	Bestim- mungs- grenze	aktuelle Monatswerte					Vergleichswerte		Zielvorgaben IKSR		Bemerkungen
					n	n>BG	Min	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor- gabe	Messwert(e) grösser ZV	
Grundgrößen (S3)	Temperatur	K	°C				12,0	15,2	17,8					
	pH	K					7,87	8,04	8,04					
	Sauerstoff	K	mg/l				9,0	11,1	11,1					
	Leitfähigkeit	K	µS/cm				319	355	355					
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0,1	4	4	1,42	1,52	1,63		1,71	1,76		
	TOC	14M	mg/l	0,1	2	2	1,98	1,99	2,01		2,40	2,13		
	SAK254	1M14	1/m	0,03	2	2	0,1314	0,15	0,1603		4,16	4,17		
	SAK436	1M14	1/m	0,03	2	-	-	<BG		0,28	0,23			
	Ammonium N	1M14/E14	mg/l	0,01	4	4	0,0149	0,028	0,0415		0,047	0,050	0,2	
	Nitrit N	E14	mg/l	0,004	2	2	0,0084	0,010	0,0108		0,012	0,014		
	Kieselsäure-Si	14M/E14	mg/l	0,1	4	4	1,20	1,30	1,40		1,29	1,26		
	Borat	E28	µg B/L	10	1	1	1,5	1,5	1,5		1,6	1,7		
	Alkalinität (bis pH 4.5)	14M	mmol/H ⁺	0,1	2	2	2,78	2,79	2,80		2,89	2,75		
	Gesamthärte	14M	DH°		2	2	9,1	9,1	9,2		9,5	9,2		
Kationen	Karbonathärte	14M	DH°		2	2	7,9	8,0	8,0		8,2	7,9		
	Calcium	14M	mg/l	7	2	2	52,9	53,6	54,3		55,6	53,0		
	Kalium	14M	mg/l	0,5	2	2	1,7	1,7	1,75		1,9	1,9		
	Magnesium	14M	mg/l	1	2	2	7,2	7,3	7,3		7,7	7,8		
	Natrium	14M	mg/l	2	2	2	7,4	7,7	8,1		9,1	10,0		
Pflanzennährstoffe	Nitrat N	14M	mg/l	0,06	2	2	1,22	1,22	1,23		1,40	1,33		
	α-Phosphat P	14M/E14	mg/l	0,003	4	4	0,009	0,011	0,012		0,008	0,014		
	Gesamtschwefel P	14M	mg/l	0,003	2	2	0,0252	0,025	0,025		0,024	0,030	0,15	
	Gesamtnitrostoff	14M/E14	mg/l	0,01	4	4	1,24	1,29	1,34		1,51	1,49		
Salze	Bromid	14M	mg/l	0,01	2	2	0,085	0,094	0,103		0,145	0,128		
	Chlorid	14M	mg/l	1,5	2	2	9,7	10,0	10,4		11,9	13,2		
	Fluorid	14M	mg/l	0,03	2	2	0,069	0,075	0,081		0,081	0,090		
	Sulfat	14M	mg/l	2,5	2	2	24,8	26,4	28,0		25,7	27,8		
	DTPA	28M	µg/l	0,5	1	-	-	<BG			<BG	0,47		
Komplexbildner	EDTA	28M	µg/l	0,5	1	1	1,029	1,029	1,029		1,2	1,3		
	NTA	28M	µg/l	0,5	1	-	-	<BG			<BG	0,9		
gefährliche Stoffe														
Schwermetalle (gesamt)	Arsen	14M	µg/l	0,5	2	2	0,67	0,72	0,77		0,78	0,87		
	Blei	14M	µg/l	0,1	2	2	0,21	0,23	0,25		0,27	0,29		
	Cadmium	14M	µg/l	0,02	2	-	-	<BG			<BG	<BG		
	Chrom	14M	µg/l	0,2	2	2	0,2	0,205	0,21		0,25	0,27		
	Kupfer	14M	µg/l	0,5	2	2	0,89	0,92	0,94		1,03	1,14		
	Nickel	14M	µg/l	0,5	2	2	0,59	0,63	0,66		0,70	0,62		
	Quecksilber	14M	µg/l	0,005	2	2	1,2	1,3	1,4		1,7	1,5		
	Zink	14M	µg/l	1	2	2	1,2	1,3	1,4		1,7	1,5		
	Arsen	E28	µg/l	0,5	1	1	0,62	0,62	0,62		0,7	0,8		
	Schwermetalle (gelöst)	Blei	E28	µg/l	0,1	1	-	-	<BG			<BG	0,1	
Cadmium		E28	µg/l	0,02	1	-	-	<BG			<BG	<BG		
Chrom		E28	µg/l	0,2	1	-	-	<BG			<BG	0,2		
Kupfer		E28	µg/l	0,5	1	1	0,77	0,77	0,77		0,76	0,93		
Nickel		E28	µg/l	0,5	1	1	0,51	0,51	0,51		0,62	0,51		
Quecksilber		E28	µg/l	0,005	1	-	-	<BG			<BG	<BG		
Zink		E28	µg/l	1	1	-	-	<BG			<BG	0,74		
Summenkenngrößen	GUS	mg/l	0,1	2	2	7,2	7,7	8,1		7,3	8,2			

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	
gefährliche Stoffe LOKW**	1,1,1-Trichlorethan	1M	µg/l	0.001	31	31	0.001	0.002	0.003	0.001	0.004		
	Bromoform	1M	µg/l	0.01	31	31	0.013	0.017	0.025	0.014	0.017		
	Chloroform	1M	µg/l	0.05	31	31	0.024	0.031	0.0436	0.030	0.031	0.6	
	Dichlormethan	1M	µg/l	0.04	31	20	0.04	0.051	0.151	0.060	0.023		
	Hexachlorethan	1M	µg/l	0.0004	31	9	0.0004	0.003	0.007	0.001	0.001		
	Tetrachlorethan	1M	µg/l	0.001	31	31	0.014	0.017	0.02	0.020	0.028	1.0	
	Tetrachlorethan	1M	µg/l	0.001	31	31	0.0011	0.002	0.003	0.002	0.003		
	Trichlorethan	1M	µg/l	0.001	31	31	0.0024	0.003	0.005	0.003	0.004		
	Summe halogenierte	1M	µg/l		31	31	0.0628	0.115	0.2286	0.126	0.070		
	Pestizide und org. Einzelselbstoffe**	Alachlor	1M	µg/l	0.005	31	19	0.0050	0.004	0.0060	<BG	0.003	
		Atrazin	1M	µg/l	0.005	31	31	0.0050	0.012	0.0250	0.015	0.021	
		DEET	1M	µg/l	0.005	31	24	0.0050	0.005	0.0070	0.005	0.006	
		Desethylatrazin	1M	µg/l	0.005	31	1	0.005	0.003	0.005	<BG	0.003	
		Desethylterbutylazin	1M	µg/l	0.01	31	-	-	<BG	-	0.005	0.006	
		Desisopropylazin	1M	µg/l	0.005	31	1	0.005	0.003	0.005	<BG	0.003	
		Diazinon	1M	µg/l	0.01	31	11	0.0100	0.007	0.0150	0.008	0.004	0.02
2,6-Dichlorbenzamid		1M	µg/l	0.005	31	11	0.005	0.004	0.01	0.003	0.003		
Ethofumesate		1M	µg/l	0.005	31	-	-	<BG	-	<BG	<BG		
Fenitrothion		1M	µg/l	0.005	31	1	0.005	0.003	0.005	<BG	0.003		
Metazachlor		1M	µg/l	0.005	31	31	0.0060	0.012	0.0250	0.010	0.010	0.1	
Metolachlor		1M	µg/l	0.005	31	1	0.005	0.003	0.005	<BG	<BG		
Norflurazon		1M	µg/l	0.005	31	1	0.005	0.003	0.005	0.003	0.003		
Orbencarb		1M	µg/l	0.005	31	3	0.005	0.003	0.005	0.003	0.003		
Propyzamid		1M	µg/l	0.005	31	9	0.005	0.004	0.015	<BG	0.003		
Prosulfocarb		1M	µg/l	0.005	31	8	0.005	0.003	0.008	<BG	0.003		
Simazin		1M	µg/l	0.005	2	2	0.001	0.003	0.005	0.002	0.001		
Terbutylazin		1M	µg/l	0.001	2	1	0.007	0.019	0.03	<BG	0.014		
Bentazon		1M14	µg/l	0.001	2	1	0.014	0.007	0.014	0.005	-		
Mecoprop		1M14	µg/l	0.001	2	1	0.002	0.001	0.002	0.001	0.001		
4-Chlor-2-Methylphenol		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.006	0.006		
Chlorotoluron		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.007	0.005		
Diuron		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.006	0.006		
Isoproturon		1M14	µg/l	0.003	2	2	0.002	0.003	0.003	0.007	0.005		
4-Isopropylanilin		1M14	µg/l	0.01	2	2	0.004	0.005	0.006	<BG	0.005		
Metilaxyl		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.003	0.002		
Metazachlor		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.002	0.001		
Metazachlor-ESA		1M14	µg/l	0.001	2	2	0.015	0.017	0.019	<BG	0.005		
Metolachlor		1M14	µg/l	0.001	2	2	0.006	0.006	0.006	0.006	0.009		
Metolachlor (ESA)		1M14	µg/l	0.01	2	1	0.006	0.003	0.003	0.003	0.008		
Metolachlor (OXA)		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.003	0.006		
Metolachlor-Morpholinon		1M14	µg/l	0.005	2	2	0.002	0.003	0.003	<BG	0.003		
Alachlor-OXA		1M14	µg/l	0.005	2	2	0.002	0.003	0.003	0.003	0.003		
Azoxystrobin-säure		1M14	µg/l	0.01	2	2	0.005	0.008	0.011	0.013	0.005		
MGPA		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.002	0.005		
Napropamid		1M14	µg/l	0.001	2	2	0.005	0.007	0.008	0.006	0.007		
Carbendazim		1M14	µg/l	0.001	2	2	0.006	0.004	0.006	0.006	0.003		
Chloridazon		1M14	µg/l	0.005	2	1	0.015	0.015	0.015	0.022	0.010		
Cyproconazol		1M14	µg/l	0.001	2	2	0.009	0.012	0.015	0.009	0.006		
Desamino-Metamitron		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.001	0.001		
Desamino-Metribuzin		1M14	µg/l	0.001	2	2	0.002	0.003	0.003	0.001	0.001		
Desethyl-2-Hydroxyterbutylazin		1M14	µg/l	0.002	2	2	0.002	0.002	0.002	0.001	0.001		
Dimethenamid		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.001	0.001		
2,4-Dimethylphenylformamid		1M14	µg/l	0.01	2	2	0.002	0.002	0.002	0.001	0.001		
Dinoseb		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.001	0.001		
2-Hydroxyatrazin		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.003	0.002		
Pirimicarb	1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.001	0.001			
Pyrimidinol	1M14	µg/l	0.001	2	2	0.002	0.002	0.002	0.001	0.004			
Propachlor-ESA	1M14	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.004			
Propiconazol	1M14	µg/l	0.01	2	2	0.002	0.002	0.002	0.001	0.004			
2-Chloranilin	1M14	µg/l	0.02	2	2	0.002	0.002	0.002	0.001	0.005			
2-Chlornitrobenzol	1M14	µg/l	0.02	2	2	0.002	0.002	0.002	0.001	0.005			
Bisphenol-A	1M14	µg/l	0.01	2	2	0.002	0.002	0.002	0.001	0.005			
Perfluorocansulfonsäure	1M28	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.005			
N-(4-Aminophenyl)-N-Methyl-Acetatamid	1M14	µg/l	0.025	2	2	0.002	0.002	0.002	0.001	0.015			
N-Methyl-N-Phenyl-Acetatamid	1M14	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.005			
Benzothiazol	1M14	µg/l	0.025	2	2	0.002	0.002	0.002	0.001	0.005			
Benzotriazol	1M14	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.005			
5-Methylbenzotriazol	1M14	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.005			
2-Naphthalinsulfonsäure	1M14	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.005			
2,7-Naphthalindisulfonsäure	1M14	µg/l	0.005	2	2	0.002	0.002	0.002	0.001	0.005			

Arzneimittel-Wirkstoffe und Metabolite	1M	µg/l	0.05	31	30	0.012	<BG	0.037	0.10		
Diglyme	1M	µg/l	0.01	31	30	0.012	<BG	0.037	0.10		
Galaxolid	1M	µg/l	0.01	31	30	0.012	<BG	0.037	0.10		
Tonalid	1M	µg/l	0.01	31	30	0.012	<BG	0.037	0.10		
Surfynol 104	1M	µg/l	0.025	31	30	0.0310	0.057	0.0850	0.08	0.19	
Acetulfam	1M14	µg/l	0.01	2	2	0.7290	0.763	0.7970	0.86	0.27	
Cyclohexisulfamidssäure	1M14	µg/l	0.01	2	2	0.0340	0.088	0.1410	0.08	0.02	
Saccharin	1M14	µg/l	0.01	2	2	0.0460	0.079	0.1120	0.06	0.02	
Sucralose	1M14	µg/l	0.01	2	2	0.0910	0.102	0.1130	0.090	0.083	
Coffein	1M	µg/l	0.01	31	31	0.0130	0.040	0.1390	0.059	0.090	
Amisulprid	1M14	µg/l	0.001	2	2	0.003	0.004	0.004	0.004	0.001	
AMDOPH	1M14	µg/L	0.001	2	1	<BG	<BG		<BG		
Atenolol	1M14	µg/L	0.005	2	1	0.01	0.006	0.01	0.011	0.010	
Atenololensäure	1M14	µg/L	0.003	2	2	0.044	0.046	0.048	0.061	0.058	
Bezafibrat	1M14	µg/L	0.001	2	-	<BG	<BG		0.003	0.001	
Bicalutamid	1M14	µg/L	0.005	2	-	<BG	<BG		0.025	-	
Bupropion	1M14	µg/L	0.005	2	-	<BG	<BG		0.004	-	
Candesartan	1M14	µg/L	0.001	2	2	0.007	0.008	0.008	0.011	0.003	
Carbamazepin	1M14	µg/L	0.001	2	2	0.021	0.021	0.021	0.027	0.031	
Carbamazepin-10,11-Epoxid	1M14	µg/L	0.001	2	2	0.002	0.002	0.002	0.003	0.003	
Carbamazepin-10,11Dihydro-10,11Dihydroxy	1M14	µg/L	0.001	2	2	0.019	0.029	0.039	0.024	0.041	
Cefixim	1M14	µg/L	0.001	2	-	<BG	<BG		<BG	0.009	
Ceftriaxol	1M14	µg/L	0.001	2	-	<BG	<BG		0.006	0.007	
Cilindamycin	1M14	µg/L	0.001	2	2	0.003	0.004	0.004	0.012	0.007	
Cilindamycin	1M14	µg/L	0.005	2	2	0.031	0.031	0.031	0.012	0.003	
Clopidogrelsäure	1M14	µg/L	0.005	2	1	0.009	0.006	0.009	0.004	0.001	
Codein	1M14	µg/L	0.01	2	2	0.006	0.007	0.007	0.009	0.004	
D617	1M14	µg/L	0.005	2	-	<BG	<BG		0.009	0.005	
Diclofenac	1M14	µg/L	0.005	2	2	0.011	0.015	0.019	<BG	0.012	
Eprosartan	1M14	µg/L	0.01	2	-	<BG	<BG		0.022	0.022	
Fluoxetin	1M14	µg/L	0.001	2	-	<BG	<BG		0.016	0.005	
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	2	2	0.011	0.015	0.018	0.002	0.001	
Gabapentin	1M14	µg/L	0.01	2	2	0.047	0.049	0.051	0.007	0.026	
Hydrochlorthiazid	1M14	µg/L	0.01	2	2	0.012	0.017	0.021	0.059	0.064	
Indomethacin	1M14	µg/L	0.01	2	-	<BG	<BG		0.023	-	
Ibexol	1M14	µg/L	0.005	2	-	<BG	<BG		0.016	<BG	
Ibuprofen	1M14	µg/L	0.005	2	-	<BG	<BG		<BG	0.007	
Lamotrigin	1M14	µg/L	0.005	2	2	0.016	0.017	0.017	<BG	0.140	
Levetiracetam	1M14	µg/L	0.005	2	2	0.017	0.020	0.022	0.016	0.018	
Lidocain	1M14	µg/L	0.001	2	2	0.003	0.004	0.004	0.021	0.013	
Losartan	1M14	µg/L	0.001	2	2	0.014	0.015	0.016	0.006	<BG	
Mefenamin	1M14	µg/L	0.005	2	2	0.216	0.269	0.321	0.024	0.002	
Melprolil	1M14	µg/L	0.001	2	2	0.008	0.012	0.015	0.328	0.448	
Moclobemid	1M14	µg/L	0.001	2	2	0.023	0.024	0.025	0.013	0.015	
Oxazepam	1M14	µg/L	0.001	2	2	0.023	0.024	0.025	<BG	0.004	
Oxacarbazepin	1M14	µg/L	0.001	2	2	0.002	0.002	0.002	0.030	0.003	
Paracetamol	1M14	µg/L	0.01	2	-	<BG	<BG		0.001	0.001	
Phenazon	1M14	µg/L	0.001	2	2	0.043	0.024	0.043	0.030	0.012	
Propranolol	1M14	µg/L	0.001	2	2	0.001	0.001	0.001	0.002	0.001	
Silaglipitin	1M14	µg/L	0.001	2	-	<BG	<BG		<BG	0.004	
Sotalol	1M14	µg/L	0.01	2	2	0.006	0.007	0.007	0.009	0.002	
Sulfamethoxazol	1M14	µg/L	0.005	2	2	0.012	0.012	0.012	<BG	0.010	
Trimethoprim	1M14	µg/L	0.001	2	2	0.002	0.002	0.002	0.013	0.018	
Valerian	1M14	µg/L	0.005	2	2	0.022	0.027	0.032	0.002	0.002	
Valeriansäure	1M14	µg/L	0.005	2	1	0.018	0.010	0.018	0.039	0.040	
Venlafaxin	1M14	µg/L	0.005	2	2	0.006	0.011	0.015	0.009	0.010	
N-Desvenlafaxin	1M14	µg/L	0.005	2	2	0.006	0.004	0.006	0.009	0.016	
N,N-Dicesvenlafaxin	1M14	µg/L	0.01	2	1	0.006	0.004	0.006	<BG	0.009	
O,N-Dicesvenlafaxin	1M14	µg/L	0.005	2	-	<BG	<BG		0.008	0.071	
Verpamil	1M14	µg/L	0.001	2	-	<BG	<BG		0.003	0.005	
N-Acetyl-4-Aminocapitryrin	1M14	µg/L	0.001	2	1	0.002	0.001	0.002	<BG	0.009	
4-Portimyl-Aminocapitryrin	1M14	µg/L	0.002	2	2	0.072	0.086	0.1	0.069	0.089	
				2	2	0.023	0.025	0.027	0.031	0.038	

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSFR-Konvention angepasst)

K: Stundennittelwerte

1M: Tagesmischprobe

7M: Mischprobe über 7 Tage

14M: Mischprobe über 14 Tage

28M: Mischprobe über 28 Tage

1M14: 24h-Mischprobe alle 14 Tage

E28: Momentanprobe alle 28 Tage

** Angaben nur, wenn BG überschritten

n: Anzahl der Messungen

n>BG: Anzahl der Messungen grösser analyt. Bestimmungsgrenze (BG)

Min: Minimum

Mittel: arithmetischer Mittelwert

Max: Maximum

Kurzbeurteilung:

Grundgrößen: normal

Abwasserinhaltsstoffe: normal

Pflanzennährstoffe: normal

Salze: normal

gefährliche Stoffe: keine

artfremde Stoffe: keine

Gesamtzustand: gut



Nein

Besondere Vorkommnisse:
(z. B. Störfälle)

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte					Vergleichswerte		Zielvor-gabe	Messwert(e) grosser ZV	Bemerkungen	
					n	>-BG	Min	Mittel	Max	Vormonat Wert IKSr	2011 Mittel nach IKSr				
Grundgrössen (S3)	Temperatur	K	°C				14.8	17.3	21.1						
	pH	K					7.77	8.15	8.15						
	Sauerstoff	K	mg/l				8.8	11.5	11.5						
	Leitfähigkeit	K	µS/cm				271	357	357						
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1	4	4	1.40	1.73	2.47	1.52	1.76				
	TOC	14M	mg/l	0.1	2	2	2.02	2.99	3.96	1.99	2.13				
	SAK254	1M/14	1/m	0.03	2	2	0.1258	1.79	3.452	<BG	0.23				
	SAK436	1M/14	1/m	0.03	2	2	0.206	<BG	0.2057	<BG	0.23				
	Ammonium_N	1M14/E14	mg/l	0.01	4	4	0.0275	0.036	0.0476	0.028	0.050	0.2			
	Nitrit_N	E14	mg/l	0.004	2	2	0.0095	0.012	0.0144	0.010	0.014				
	Kieselsäure_Si	14M/E14	mg/l	0.1	4	4	0.94	1.14	1.20	1.30	1.26				
	Borat	E28	µg/BIL	10	1	1	15	15	15	15	17				
	Härten	Alkalinität (bis pH 4.5)	14M	mmol/H°	0.1	2	2	2.61	2.68	2.75	2.79	2.75			
		Gesamthärte	14M	DH°	0.1	2	2	8.8	8.9	9.0	9.1	9.2			
Kationen	Karbonathärte	14M	DH°		2	2	7.5	7.7	7.9	8.0	7.9				
	Calcium	14M	mg/l	7	2	2	50.2	50.7	51.3	53.6	53.0				
	Kalium	14M	mg/l	0.5	2	2	1.5	1.5	1.57	1.7	1.9				
	Magnesium	14M	mg/l	1	2	2	7.0	7.0	7.0	7.3	7.8				
	Natrium	14M	mg/l	2	2	2	6.1	6.7	7.3	7.7	10.0				
		Nitrat_N	14M	mg/l	0.06	2	2	1.11	1.11	1.11	1.22	1.33			
Pflanzennährstoffe	o-Phosphat_P	14M/E14	mg/l	0.003	4	4	0.008	0.012	0.018	0.011	0.014				
	Gesamtschwefel_S	14M	mg/l	0.003	2	2	0.02435	0.038	0.051	0.025	0.030	0.15			
	Gesamtstickstoff	14M/E14	mg/l	0.01	4	4	1.004	1.21	1.317	1.29	1.49				
		Bromid	14M	mg/l	0.01	2	2	0.054	0.073	0.091	0.094	0.128			
Sätze	Chlorid	14M	mg/l	1.5	2	2	7.8	8.6	9.3	10.0	13.2				
	Fluorid	14M	mg/l	0.03	2	2	0.077	0.078	0.079	0.075	0.090				
	Sulfat	14M	mg/l	2.5	2	2	24.2	24.4	24.5	26.4	27.8				
		DTPA	28M	µg/l	0.5	1	1	0.72	<BG	0.72	<BG	0.47			
Komplexbildner	EDTA	28M	µg/l	0.5	1	1	0.72	<BG	0.72	1.0	1.3				
	NTA	28M	µg/l	0.5	1	1		<BG	<BG	<BG	0.9				
gefährliche Stoffe															
Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5	2	2	0.76	0.87	0.98	0.72	0.87				
	Blei	14M	µg/l	0.1	2	2	0.26	0.59	0.91	0.23	0.29				
	Cadmium	14M	µg/l	0.02	2	2	<BG	<BG	<BG	<BG	<BG				
	Chrom	14M	µg/l	0.2	2	2	0.25	0.36	0.47	0.21	0.27				
	Kupfer	14M	µg/l	0.5	2	2	0.88	1.34	1.8	0.92	1.14				
	Nickel	14M	µg/l	0.5	2	2	0.65	0.83	1	0.63	0.62				
	Quecksilber	14M	µg/l	0.005	2	2	<BG	<BG	<BG	<BG	<BG				
		Zink	14M	µg/l	1	2	1.1	2.5	3.9	1.3	1.5				
		Arsen	E28	µg/l	0.5	1	1	0.67	0.67	0.67	0.6	0.8			
		Blei	E28	µg/l	0.1	1	1	<BG	<BG	<BG	<BG	0.1			
Schwermetalle (gelöst)	Cadmium	E28	µg/l	0.02	1	1	<BG	<BG	<BG	<BG	<BG				
	Chrom	E28	µg/l	0.2	1	1	0.320	0.32	0.32	<BG	<BG				
	Kupfer	E28	µg/l	0.5	1	1	0.63	0.63	0.63	0.77	0.93				
	Nickel	E28	µg/l	0.5	1	1	0.72	0.72	0.72	0.51	0.51				
	Quecksilber	E28	µg/l	0.005	1	1	<BG	<BG	<BG	<BG	<BG				
Summenkenngrössen	Zink	E28	µg/l	1	1	1	<BG	<BG	<BG	<BG	0.74				
	GUS	14M	mg/l	0.1	2	2	7.9	26.1	44.2	7.7	8.2				

Gruppe	Kenngröße	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	>BG	Mfn	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
gefährliche Stoffe LCKW**	1,1,1-Trichlorethan	1M	µg/l	0.001	30	29	0.0011	0.002	0.0028	0.002	0.004			
	Bromoforn	1M	µg/l	0.01	30	25	0.01	0.012	0.018	0.017	0.017			
	Chloroforn	1M	µg/l	0.05	30	28	0.021	0.027	0.043	0.031	0.031	0.6		
	Dichlormethan	1M	µg/l	0.04	30	4	0.051	0.028	0.1	0.051	0.023			
	Hexachlorethan	1M	µg/l	0.004	30	4	0.0004	0.0002	0.0006	0.000	0.001	1.0		
	Tetrachlorethan	1M	µg/l	0.001	30	30	0.0075	0.013	0.033	0.017	0.028			
	Tetrachlormethan	1M	µg/l	0.001	30	29	0.0011	0.002	0.0029	0.002	0.003			
	Trichlorethan	1M	µg/l	0.001	30	29	0.002	0.004	0.0083	0.003	0.004			
	Summe halogenierte	1M	µg/l	0.001	30	30	0.012	0.067	0.1774	0.115	0.070			
	Pestizide und org. Einzelstoffe**	Alachlor	1M	µg/l	0.005	30	17	0.0050	<BG	0.0090	0.004	0.003	0.1	
		Atrazin	1M	µg/l	0.005	30	30	0.0050	0.005	0.0090	0.004	0.005	0.1	
		DEET	1M	µg/l	0.005	30	30	0.0050	0.022	0.1300	0.012	0.021		
		Desethylazin	1M	µg/l	0.005	30	8	0.0050	0.003	0.0070	0.005	0.006		
		Desethylterbutylazin	1M	µg/l	0.005	30	13	0.005	0.005	0.019	0.003	0.003		
		Desisopropylazin	1M	µg/l	0.01	30	-	-	<BG	<BG	0.003	0.006		
		Desmethyl	1M	µg/l	0.005	30	-	-	<BG	<BG	0.003	0.003		
		Diazinon	1M	µg/l	0.005	30	6	0.0100	0.006	0.0160	0.007	0.007	0.02	
		2,6-Dichlorbenzamid	1M	µg/l	0.01	30	-	-	<BG	<BG	0.003	0.004		
		Dimethenamid	1M	µg/l	0.005	30	1	0.008	<BG	0.008	<BG	0.003		
		Fenamidon	1M	µg/l	0.005	30	1	0.009	0.003	0.009	<BG	0.003		
		Metaxyl	1M	µg/l	0.005	30	1	0.005	0.003	0.005	<BG	0.003		
		Metazachlor	1M	µg/l	0.005	30	30	0.0050	0.019	0.0760	0.003	0.003	0.1	
		Metolachlor	1M	µg/l	0.005	30	30	-	<BG	<BG	0.003	0.003		
		Orbencarb	1M	µg/l	0.005	30	5	0.005	0.004	0.013	<BG	0.004		
		Penconazol	1M	µg/l	0.005	30	3	0.007	0.004	0.022	<BG	<BG		
		Propazin	1M	µg/l	0.005	30	1	0.005	0.003	0.005	0.003	0.003		
		Propylfocarb	1M	µg/l	0.005	30	1	0.011	0.003	0.011	0.004	0.003		
		Simazin	1M	µg/l	0.005	30	3	0.005	0.003	0.006	0.004	0.003	0.06	
		Tebutiam	1M	µg/l	0.005	30	-	-	<BG	<BG	<BG	0.003		
		Terbutylazin	1M	µg/l	0.005	30	29	0.007	0.017	0.074	0.003	0.003		
		Terbutyn	1M	µg/l	0.005	30	1	0.005	0.003	0.005	<BG	0.003		
		Vinclozolin	1M	µg/l	0.005	30	-	-	<BG	<BG	<BG	0.003		
		Mecoprop	1M14	µg/l	0.001	2	2	0.007	0.008	0.009	0.019	0.014		
4-Chlor-2-Methylphenol		1M14	µg/l	0.001	2	1	0.014	0.007	0.014	0.007	-			
Diuron		1M14	µg/l	0.001	2	1	0.005	0.003	0.005	0.005	0.006			
Isoproturon		1M14	µg/l	0.003	2	1	0.002	0.002	0.002	0.003	0.005			
4-Isopropylamin		1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.005			
Metaxyl		1M14	µg/l	0.001	2	1	0.004	0.002	0.004	0.005	0.002			
Metazachlor		1M14	µg/l	0.001	2	1	0.004	0.002	0.004	0.003	0.001			
Metazachlor-ESA		1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.005			
Metolachlor		1M14	µg/l	0.001	2	2	0.006	0.011	0.016	0.017	0.017			
Metolachlor (ESA)		1M14	µg/l	0.005	2	2	0.005	0.010	0.015	<BG	0.009			
Metolachlor (OXA)	1M14	µg/l	0.01	2	1	0.007	0.006	0.007	0.006	0.008				
Metolachlor-Morpholinon	1M14	µg/l	0.001	2	1	0.003	0.002	0.003	0.003	0.006				
Alachlor-OXA	1M14	µg/l	0.005	2	-	-	<BG	<BG	<BG	0.003				
Azoxystrobin säure	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.003				
MCPA	1M14	µg/l	0.001	2	1	0.008	0.004	0.008	0.008	0.005				
Napropamid	1M14	µg/l	0.002	2	1	0.004	<BG	<BG	0.002	0.001				
Carbendazim	1M14	µg/l	0.001	2	2	0.004	0.004	0.004	0.007	0.007				
Chloridazin	1M14	µg/l	0.005	2	1	0.008	<BG	<BG	0.004	0.003				
Cyproconazol	1M14	µg/l	0.001	2	1	0.008	0.004	0.008	0.015	0.010				
Desamino-Metribuzin	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.012	0.006				
Desamino-Metribuzin	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	0.002	0.001				
Desethyl-2-Hydroxyterbutylazin	1M14	µg/l	0.002	2	-	-	<BG	<BG	0.003	0.001				
Dimethenamid	1M14	µg/l	0.001	2	2	0.001	0.002	0.002	0.002	0.001				
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.005				
Dinoseb	1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.003				
Flufenacet-ESA	1M14	µg/l	0.005	2	2	0.001	<BG	<BG	0.002	0.001				
2-Hydroxyatrazin	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.002	0.002				
Pethoxamid	1M14	µg/l	0.005	2	-	-	<BG	<BG	<BG	0.003				
Pyrimicarb	1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.004				
Pyrimidol	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	<BG	<BG				
Propachlor-ESA	1M14	µg/l	0.005	2	-	-	<BG	<BG	<BG	0.004				
Propiconazol	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.004				
Spiroxamin	1M14	µg/l	0.001	2	1	0.002	0.001	0.002	-	-				



Besondere Vorkommnisse:
(z.B. Störfälle)

Nein

Ablfluss Tages-φ : prov. (Rheinhalle): ~1200 m³/s
 prov. min ~900 m³/s
 prov. max 1847 m³/s
 prov. φ Vormonat (Rheinhalle): 1759 m³/s
 prov. φ Vorjahr (2011, Rheinhalle): 827 m³/s

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte					Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n->BG	Min	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	Messwert(e) grösser ZV		
Grundgrössen (S3)	Temperatur	K	°C				18.2		21.8						
	pH	K					7.95		8.12						
	Sauerstoff	K	mg/l				8.3		10.0						
	Leitfähigkeit	K	µS/cm				295		326						
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1			1.47	1.57	1.74	1.73	1.76				
	TOC	14M	mg/l	0.1			1.78	2.06	2.35	2.99	2.13				
	SAK254	1M/14	1/m	0.03			3.1815	3.56	4.293	1.79	4.17				
	SAK436	1M/14	1/m	0.03			0.152	<BG	0.23	<BG	0.23				
	Ammonium_N	1M14/E14	mg/l	0.01			0.0256	0.037	0.0528	0.036	0.050	0.2			
	Nitrit_N	E14	mg/l	0.004			0.0074	0.011	0.0155	0.012	0.014				
	Kieselsäure_Si	14M/E14	mg/l	0.1			0.77	0.97	1.10	1.14	1.26				
	Borat	E28	µg B/L	10			15	15	15	15	17				
	Alkalinität (bis pH 4.5)	14M	mmol/l H ⁺	0.1			2.46	2.48	2.50	2.68	2.75				
	Gesamthärte	14M	DH°				8.2	8.4	8.5	8.9	9.2				
Kationen	Karbonathärte	14M	DH°				7.0	7.1	7.2	7.7	7.9				
	Calcium	14M	mg/l	7			47.1	48.2	48.7	50.7	53.0				
	Kalium	14M	mg/l	0.5			1.5	1.5	1.47	1.5	1.9				
	Magnesium	14M	mg/l	1			6.8	6.9	7.0	7.0	7.8				
	Natrium	14M	mg/l	2			6.3	6.6	7.1	6.7	10.0				
	Nitrat_N	14M	mg/l	0.06			0.96	1.03	1.09	1.11	1.33				
Pflanzennährstoffe	α-Phosphat_P	14M/E14	mg/l	0.003			0.005	0.009	0.022	0.012	0.014				
	Gesamtphosphor_P	14M	mg/l	0.003			0.016	0.024	0.034	0.038	0.034	0.15			
	Gesamtstickstoff	14M/E14	mg/l	0.01			0.99	1.04	1.12	1.21	1.49				
	Bromid	14M	mg/l	0.01			0.046	0.061	0.074	0.073	0.128				
Salze	Chlorid	14M	mg/l	1.5			8.1	8.6	9.2	8.6	13.2				
	Fluorid	14M	mg/l	0.03			0.079	0.079	0.079	0.078	0.090				
	Sulfat	14M	mg/l	2.5			24.6	25.5	26.1	24.4	27.8				
	DTPA	28M	µg/l	0.5			-	<BG		<BG	0.47				
Komplexbildner	EDTA	28M	µg/l	0.5			0.66	0.69	0.72	0.7	1.3				
	NTA	28M	µg/l	0.5			<0.5	0.517	0.58	<BG	0.9				
gefährliche Stoffe	Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5			0.79	0.84	0.88	0.87	0.87			
		Blei	14M	µg/l	0.1			0.11	0.39	0.67	0.59	0.29			
		Cadmium	14M	µg/l	0.02			-	<BG		<BG	<BG			
		Chrom	14M	µg/l	0.2			0.25	0.37	0.53	0.36	0.27			
		Kupfer	14M	µg/l	0.5			0.84	1.18	1.5	1.34	1.14			
		Nickel	14M	µg/l	0.5			0.6	0.79	1	0.83	0.62			
		Quecksilber	14M	µg/l	0.005			-	<BG		<BG	<BG			
		Zink	14M	µg/l	1			1.6	1.53	2.5	2.5	1.5			
		Arsen	E28	µg/l	0.5			0.7	0.75	0.8	0.7	0.8			
		Blei	E28	µg/l	0.1			-	<BG		<BG	0.1			
		Cadmium	E28	µg/l	0.02			-	<BG		<BG	<BG			
		Chrom	E28	µg/l	0.2			1	0.25	0.18	0.25	0.2			
		Kupfer	E28	µg/l	0.5			2	0.74	0.83	0.63	0.93			
		Nickel	E28	µg/l	0.5			2	0.55	0.57	0.72	0.51			
Quecksilber	E28	µg/l	0.005			2	-	<BG	<BG	<BG					
Zink	E28	µg/l	1			2	-	<BG	<BG	0.74					
Summenkenngrössen	GUS	14M	mg/l	0.1			3	5.3	13.8	26.1	8.2				

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
gefährliche Stoffe LCKW**	1,1-Dichlorethan	1M	µg/l	0.02	31	-		<BG		<BG	0.010			
	1,1,1-Trichlorethan	1M	µg/l	0.001	31	2	0.001	0.001	0.0011		0.004			
	Bromoform	1M	µg/l	0.01	31	20	0.011	0.011	0.0185		0.017			
	Chloroform	1M	µg/l	0.05	31	17	0.0201	0.025	0.034		0.031	0.6		
	Dichlormethan	1M	µg/l	0.04	31	1	0.0485	0.021	0.0485		0.027			
	Hexachlorethan	1M	µg/l	0.0004	31	4	0.0004	0.000	0.0008		0.028			
	Tetrachlorethan	1M	µg/l	0.001	31	31	0.0064	0.018	0.024		0.001	1.0		
	Tetrachlormethan	1M	µg/l	0.001	31	2	0.0013	0.001	0.0013		0.013			
	Trichlorethan	1M	µg/l	0.001	31	15	0.001	0.002	0.0163		0.002			
	Summe halogenierte	1M	µg/l		31	31	0.0064	0.045	0.1107		0.067			
	Pestizide und org. Einzelstoffe**	Alachlor	1M	µg/l	0.005	31	-		<BG		<BG	0.003		
		Azinphos-Methyl	1M	µg/l	0.005	31	9	0.0050	0.003	0.0060		0.005	0.1	
		Desethylatrazin	1M	µg/l	0.005	31	-		<BG		<BG	0.005		
		Desethylterbutylazin	1M	µg/l	0.005	31	13	0.0050	0.004	0.0130		<BG		
		Desisopropylazin	1M	µg/l	0.01	31	15	0.005	0.004	0.007		0.003		
		Diazinon	1M	µg/l	0.005	31	-		<BG		<BG	0.006	0.02	
		2,6-Dichlorbenzamid	1M	µg/l	0.01	31	1	0.0100	0.005	0.0100		<BG		
		Metaxyl	1M	µg/l	0.005	31	1	0.006	0.003	0.006		0.003		
		Metazachlor	1M	µg/l	0.005	31	4	0.005	0.003	0.008		0.003		
		Metolachlor	1M	µg/l	0.005	31	17	0.0050	0.006	0.0140		0.019	0.1	
		Pencconazol	1M	µg/l	0.005	31	9	0.005	0.004	0.011		0.004		
		Propazin	1M	µg/l	0.005	31	-		<BG		<BG	0.004		
		Propyzamid	1M	µg/l	0.005	31	7	0.005	0.003	0.006		0.003		
		Prosulfocarb	1M	µg/l	0.005	31	-		<BG		<BG	0.003		
		Simazin	1M	µg/l	0.005	31	-		<BG		<BG	0.003		
		Terbutylazin	1M	µg/l	0.005	31	29	0.005	0.007	0.021		0.017	0.06	
		Terbutyn	1M	µg/l	0.005	31	-		<BG		<BG	0.003		
		Tolylfluend	1M	µg/l	0.005	31	1	0.005	0.003	0.005		<BG		
		Mecoprop	1M14	µg/l	0.001	2	2	0.008	0.012	0.015		<BG		
		4-Chlor-2-Methylphenol	1M14	µg/l	0.001	2	-		<BG		<BG	0.007		
Difuron		1M14	µg/l	0.001	2	1	0.006	0.003	0.006		0.003			
Isoproturon		1M14	µg/l	0.003	2	2	0.001	0.001	0.001		0.002			
4-Isopropylanilin		1M14	µg/l	0.01	2	-		<BG		<BG	0.005			
Metaxyl		1M14	µg/l	0.001	2	1	0.004	0.002	0.004		<BG			
Metazachlor		1M14	µg/l	0.001	2	1	0.009	0.005	0.009		0.002			
Metazachlor-ESA		1M14	µg/l	0.001	2	-		<BG		<BG	0.005			
Metolachlor		1M14	µg/l	0.001	2	2	0.004	0.005	0.005		<BG			
Metolachlor (ESA)		1M14	µg/l	0.005	2	2	0.007	0.011	0.015		0.011			
Metolachlor (OXA)		1M14	µg/l	0.01	2	-		<BG		<BG	0.006			
Metolachlor-Morpholinon		1M14	µg/l	0.001	2	-		<BG		<BG	0.008			
Azoxystrobin-säure	1M14	µg/l	0.01	2	-		<BG		<BG	0.002				
2,4-D	1M14	µg/l	0.001	2	1	0.005	0.003	0.005		<BG				
MCPA	1M14	µg/l	0.001	2	1	0.001	0.001	0.005		<BG				
Carbendazim	1M14	µg/l	0.001	2	2	0.005	0.006	0.007		<BG				
Cyproconazol	1M14	µg/l	0.001	2	-		<BG		<BG	0.010				
Desamino-Metamitron	1M14	µg/l	0.001	2	-		<BG		<BG	0.006				
Desamino-Metribuzin	1M14	µg/l	0.001	2	-		<BG		<BG	0.001				
Desethylterbutylazin	1M14	µg/l	0.002	2	2	0.006	0.007	0.007		<BG				
Dimethenamid	1M14	µg/l	0.001	2	2	0.001	0.002	0.002		0.002				
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	2	-		<BG		<BG	0.005				
Dinoseb	1M14	µg/l	0.001	2	-		<BG		<BG	0.005				
2-Hydroxyatrazin	1M14	µg/l	0.001	2	2	0.002	0.002	0.002		<BG				
Pyrimidinol	1M14	µg/l	0.001	2	2	0.002	0.002	0.002		0.001				
Propachlor	1M14	µg/l	0.003	2	1	0.004	0.003	0.004		<BG				
Propiconazol	1M14	µg/l	0.01	2	-		<BG		<BG	0.005				
N,N-Dimethyl-N'(4-Methylphenyl)-Sulfamid	1M14	µg/l	0.001	2	1	0.008	0.004	0.008		<BG				
Spiroxamin	1M14	µg/l	0.001	2	-		<BG		<BG	0.001				
2-Chloranilin	1M14	µg/l	0.02	2	-		<BG		<BG	0.025				
2-Chlornitrobenzol	1M14	µg/l	0.02	2	-		<BG		<BG	0.012				

Arzneimittel-Wirkstoffe und Metabolite	1M/28	µg/l	0.005	2	-	-BG	-BG	0.005	<BG
Perfluorooctansulfonsäure	1M/28	µg/l	0.005	2	-	-BG	-BG	0.005	<BG
N-(4-Aminophenyl)-N-Methyl-Acetylamid	1M/14	µg/L	0.025	2	-	-BG	-BG	0.015	<BG
N-Methyl-N-Phenyl-Acetylamid	1M/14	µg/L	0.005	2	-	-BG	-BG	0.005	<BG
Benzothiazol	1M/14	µg/L	0.025	2	-	-BG	-BG	0.080	<BG
Benzotriazol	1M/14	µg/l	0.005	2	0.171	0.204	0.236	0.144	0.254
5-Methylbenzotriazol	1M/14	µg/l	0.005	2	0.0720	0.099	0.1250	0.078	0.254
2-Naphthalinsulfonsäure	1M/14	µg/l	0.005	2	0.01	0.016	0.021	0.022	0.038
2,7-Naphthalindisulfonsäure	1M/14	µg/l	0.005	2	-	-BG	-BG	<BG	<BG
Diglyme	1M	µg/l	0.05	31	-	-BG	-BG	0.10	<BG
Galaxolid	1M	µg/l	0.01	31	30	0.010	0.033	0.03	<BG
Galaxolidon	1M/14	µg/l	0.02	2	-	-BG	-BG	0.01	<BG
Tonalid	1M	µg/l	0.01	31	-	-BG	-BG	0.01	<BG
Sulfynol 104	1M	µg/l	0.025	31	30	0.039	0.128	0.19	<BG
Acetylarn	1M/14	µg/l	0.01	2	0.5960	0.737	0.8770	0.54	0.27
Cyclohexylsulfamide	1M/14	µg/l	0.01	2	0.0280	0.040	0.0520	0.03	0.02
Saccharin	1M/14	µg/l	0.01	2	0.0320	0.032	0.0320	0.03	0.02
Sucralose	1M/14	µg/l	0.01	2	0.0630	0.063	0.0630	0.047	0.083
Coffein	1M	µg/l	0.01	31	0.0150	0.049	0.1570	0.049	0.090
Amisulpid	1M/14	µg/L	0.001	2	0.001	0.002	0.003	0.001	0.001
Atenolol	1M/14	µg/L	0.005	2	0.006	0.008	0.009	<BG	0.010
Atenolidsäure	1M/14	µg/L	0.003	2	0.025	0.030	0.035	0.022	0.058
Candesartan	1M/14	µg/L	0.001	2	0.008	0.009	0.01	0.008	0.003
Carbamazepin	1M/14	µg/L	0.001	2	0.019	0.026	0.032	0.019	0.031
Carbamazepin-10,11-Epoxid	1M/14	µg/L	0.001	2	0.003	0.003	0.003	0.016	0.003
Carbamazepin-10,11-Dihydro-10,11-Dihydroxy	1M/14	µg/L	0.001	2	0.025	0.026	0.026	0.002	0.041
Cetirizin	1M/14	µg/L	0.001	2	-	-BG	-BG	<BG	0.009
Clarithromycin	1M/14	µg/L	0.001	2	0.002	0.003	0.003	0.002	0.007
Clmbazol	1M/14	µg/L	0.001	2	-	-BG	-BG	<BG	0.003
Clpidogrelsäure	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.004
Codelin	1M/14	µg/L	0.01	2	-	-BG	-BG	<BG	0.005
D617	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.012
Diclofenac	1M/14	µg/L	0.005	2	0.008	0.009	0.01	0.007	0.022
Eprosartan	1M/14	µg/L	0.01	2	-	-BG	-BG	<BG	0.005
4-(Trifluormethyl)Phenol	1M/14	µg/L	0.001	2	0.019	0.025	0.031	0.012	0.026
Gabapentin	1M/14	µg/L	0.01	2	0.043	0.046	0.048	0.033	0.064
Hydrochlorthiazid	1M/14	µg/L	0.01	2	0.01	0.012	0.014	0.008	-
Iohexol	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.007
Iopromid	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.140
Lamotrigin	1M/14	µg/L	0.005	2	0.01	0.013	0.016	<BG	0.018
Levetiracetam	1M/14	µg/L	0.005	2	0.006	0.007	0.007	0.005	0.013
Lidocain	1M/14	µg/L	0.001	2	0.003	0.004	0.005	0.002	<BG
Losartan	1M/14	µg/L	0.001	2	0.006	0.003	0.006	0.003	0.002
Metformin	1M/14	µg/L	0.005	2	0.284	0.314	0.344	0.231	0.448
Metoprolol	1M/14	µg/L	0.001	2	0.007	0.009	0.01	0.006	0.015
Moclobemid	1M/14	µg/L	0.001	2	-	-BG	-BG	<BG	0.004
Oxazepam	1M/14	µg/L	0.001	2	0.01	0.011	0.011	0.010	0.003
Oxacarbazepin	1M/14	µg/L	0.001	2	0.004	0.002	0.004	<BG	0.001
Paracetamol	1M/14	µg/L	0.01	2	-	-BG	-BG	0.009	0.012
Phenazon	1M/14	µg/L	0.001	2	0.001	0.001	0.001	<BG	0.001
Pranoprolol	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.004
Sitagliptin	1M/14	µg/L	0.001	2	-	-BG	-BG	0.005	0.002
Sotalol	1M/14	µg/L	0.01	2	-	-BG	-BG	<BG	0.010
Sulfamethoxazol	1M/14	µg/L	0.005	2	0.010	0.014	0.017	<BG	0.018
Trimethoprim	1M/14	µg/L	0.001	2	0.002	0.001	0.002	0.001	0.002
Valsartan	1M/14	µg/L	0.005	2	0.018	0.021	0.023	0.017	0.040
Valeriansäure	1M/14	µg/L	0.005	2	0.02	0.030	0.04	0.012	0.010
Venlafaxin	1M/14	µg/L	0.005	2	0.006	0.014	0.022	0.004	0.016
N-Desvenlafaxin	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.009
N,N-Diisovalifloxin	1M/14	µg/L	0.01	2	-	-BG	-BG	<BG	0.071
O,N-Diisovalifloxin	1M/14	µg/L	0.005	2	-	-BG	-BG	<BG	0.005
Verpamil	1M/14	µg/L	0.001	2	-	-BG	-BG	<BG	0.009
N-Acetyl-4-Aminoantipyrin	1M/14	µg/L	0.001	2	0.034	0.050	0.065	<BG	0.048
4-Formyl-Aminoantipyrin	1M/14	µg/L	0.002	2	0.028	0.035	0.042	0.020	0.038

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSr-Konvention angepasst)

- K: Stundemittelwerte
- 1M: Tagesmischprobe
- 7M: Mischprobe über 7 Tage
- 14M: Mischprobe über 14 Tage
- 28M: Mischprobe über 28 Tage
- 1M/14: 24h-Mischprobe alle 14 Tage
- E28: Momentanprobe alle 28 Tage
- ** Angaben nur, wenn BG überschritten

Kurzbeurteilung:
 Grundgrößen: normal
 Abwasserinhaltsstoffe: normal
 Pflanzennährstoffe: normal
 Satze: gefährliche Stoffe: keine
 artfremde Stoffe: keine
 Gesamtzustand: gut



Abfluss Tages- ϕ : prov. (Rheinhalle): 908 m³/s
 min 752 m³/s
 max 1370 m³/s
 prov. ϕ Vormonat (Rheinhalle): 1319 m³/s
 prov. ϕ Vorjahr (2011, Rheinhalle): 827 m³/s

Besondere Vorkommnisse: **Nein**
 (z.B. Störfälle)

Gruppe	Kenngrösse	Probenart	Dimen- sion	Bestim- mungs- grenze	aktuelle Monatswerte				Vergleichswerte		Zielvor- gabe	Messwert(e) grösser ZV	Bemerkungen
					n	n>BG	Min	Mittel	Max	Vormonat Mittel IKSR			
Grundgrössen (S3)	Temperatur	K	°C				20.5		24.6				
	pH	K					7.79		8.18				
	Sauerstoff	K	mg/l				7.0		9.2				
	Leitfähigkeit	K	μ S/cm				284		321				
	DOC	14M/E14	mg/l	0.1		4	4	1.35	1.72	2.43		1.57	1.76
Abwasserinhaltsstoffe	TOC	14M	mg/l	0.1		2	2	1.75	2.10		2.06	2.13	
	SAK254	1M/14	1/m	0.03		2	2	2.6755	4.16	5.6552	3.56	4.17	
	SAK436	1M/14	1/m	0.03		2	2	0.102	<BG	0.3862	<BG	0.23	
	Ammonium N	1M/14/E14	mg/l	0.01		4	4	0.0245	0.032	0.04195	0.037	0.050	0.2
	Nitrit N	E14	mg/l	0.004		2	2	0.0092	0.010	0.0113	0.011	0.014	
	Kieselsäure-Si	14M/E14	mg/l	0.1		4	4	0.77	0.87	1.00	0.97	1.26	
	Borat	E28	μ g B/L	10		4	4	1.4	14	14	15	17	
	Alkalinität (bis pH 4.5)	14M	mmol/H ⁺	0.1		2	2	2.29	2.32	2.75	2.48	2.75	
	Gesamthärte	14M	DH°			2	2	7.8	7.8	7.9	8.4	9.2	
	Karbonathärte	14M	DH°			2	2	6.6	6.6	7.1	7.1	7.9	
Kationen	Calcium	14M	mg/l	7		2	2	44.0	44.6	45.3	48.2	53.0	
	Kalium	14M	mg/l	0.5		2	2	1.5	1.6	1.64	1.5	1.9	
	Magnesium	14M	mg/l	1		2	2	6.8	6.9	6.9	6.9	7.8	
	Natrium	14M	mg/l	2		2	2	7.0	7.3	7.6	6.6	10.0	
	Nitrat N	14M	mg/l	0.06		2	2	1.01	1.05	1.09	1.03	1.33	
Pflanzennährstoffe	α -Phosphat P	14M/E14	mg/l	0.003		4	4	0.008	0.014	0.021	0.024	0.014	
	Gesamtschwefel S	14M	mg/l	0.003		2	2	0.0188	0.023	0.027	0.024	0.030	0.15
	Gesamtnitrogen N	14M/E14	mg/l	0.01		4	4	0.91	1.01	1.101	1.04	1.49	
	Bromid	14M	mg/l	0.01		2	2	0.064	0.072	0.080	0.061	0.128	
Salze	Chlorid	14M	mg/l	1.5		2	2	9.2	9.6	10.1	8.6	13.2	
	Fluorid	14M	mg/l	0.03		2	2	0.079	0.081	0.083	0.079	0.090	
	Sulfat	14M	mg/l	2.5		2	2	25.7	26.1	26.5	25.5	27.8	
	DTPA	28M	μ g/l	0.5		1	1	-	<BG	0.47	<BG	0.47	
Komplexbildner	EDTA	28M	μ g/l	0.5		1	1	0.777	0.777	0.777	0.7	1.3	
	NTA	28M	μ g/l	0.5		1	1	-	<BG	0.9	0.5	0.9	
gefährliche Stoffe													
Schwermetalle (gesamt)	Arsen	14M	μ g/l	0.5		2	2	0.79	0.84	0.88	0.84	0.87	
	Blei	14M	μ g/l	0.1		2	2	0.1	0.075	0.1	0.39	0.29	
	Cadmium	14M	μ g/l	0.02		2	2	-	<BG	<BG	<BG	<BG	
	Chrom	14M	μ g/l	0.2		2	2	0.22	0.16	0.22	0.37	0.27	
	Kupfer	14M	μ g/l	0.5		2	2	0.73	0.79	0.84	1.18	1.14	
	Nickel	14M	μ g/l	0.5		2	2	0.52	0.54	0.56	0.79	0.62	
	Quecksilber	14M	μ g/l	0.005		2	2	-	<BG	<BG	<BG	<BG	
	Zink	14M	μ g/l	1		2	2	-	<BG	1.5	1.5	1.5	
	Arsen	E28	μ g/l	0.5		1	1	0.77	0.77	0.77	0.8	0.8	
	Blei	E28	μ g/l	0.1		1	1	0.110	0.11	0.11	<BG	0.1	
Schwermetalle (gelöst)	Cadmium	E28	μ g/l	0.02		1	1	-	<BG	<BG	<BG	<BG	
	Chrom	E28	μ g/l	0.2		1	1	0.200	0.2	0.2	0.2	0.2	
	Kupfer	E28	μ g/l	0.5		1	1	1	1	1	0.83	0.93	
	Nickel	E28	μ g/l	0.5		1	1	0.58	0.58	0.58	0.57	0.51	
	Quecksilber	E28	μ g/l	0.005		1	1	-	<BG	<BG	<BG	<BG	
Summenkenngrössen	Zink	E28	μ g/l	1		1	1	-	<BG	0.74	<BG	0.74	
	GUS	14M	mg/l	0.1		2	2	4.0	5.0	6	13.8	8.2	

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
gefährliche Stoffe LOKW**	1,1-Dichlorethen	1M	µg/l	0.02	31	-	-	-	-	<BG	0.010			
	1,2-Dichlorbenzol	1M	µg/l	0.04	31	-	-	-	-	<BG	0.021			
	1,1,1-Trichlorethan	1M	µg/l	0.001	31	5	0.001	0.001	0.0012	0.001	0.004			
	Bromoform	1M	µg/l	0.01	31	31	0.014	0.017	0.023	0.011	0.017			
	Chloroform	1M	µg/l	0.05	31	31	0.025	0.048	0.087	0.025	0.031	0.6		
	Dichlormethan	1M	µg/l	0.04	31	6	0.054	0.040	0.25	0.021	0.023			
	Hexachlorethan	1M	µg/l	0.0004	31	2	0.0005	0.000	0.0007	0.000	0.001			
	Tetrachlorethan	1M	µg/l	0.001	31	31	0.017	0.022	0.026	0.018	0.028	1.0		
	Tetrachlormethan	1M	µg/l	0.001	31	3	0.001	0.006	0.0013	0.001	0.003			
	Trichlorethen	1M	µg/l	0.001	31	31	0.0012	0.002	0.0053	0.002	0.004			
	Summe halogenierte	1M	µg/l		31	31	0.0645	0.113	0.3641	0.045	0.070			
	Pestizide und org. Einzelstoffe**	Alachlor	1M	µg/l	0.005	31	-	-	<BG	<BG	0.003			
		Atrazin	1M	µg/l	0.005	31	5	0.0050	0.003	0.0050	0.003	0.005	0.1	
		DEET	1M	µg/l	0.005	31	31	0.0110	0.021	0.0340	0.016	0.021		
		Desethylatrazin	1M	µg/l	0.005	31	29	0.0050	0.007	0.0090	0.004	0.006		
		Desethylterbutylazin	1M	µg/l	0.005	31	29	0.005	0.006	0.007	0.004	0.003		
		Desisopropylazin	1M	µg/l	0.01	31	-	-	<BG	<BG	<BG	<BG	0.02	
Diazinon		1M	µg/l	0.005	31	23	0.0100	0.013	0.0430	0.005	0.007			
2,6-Dichlorbenzamid		1M	µg/l	0.01	31	1	0.007	0.003	0.007	<BG	0.003			
Dimethenamid		1M	µg/l	0.005	31	5	0.005	0.003	0.006	0.003	0.003			
Metazachlor		1M	µg/l	0.005	31	18	0.0050	0.005	0.0110	0.006	0.010	0.1		
Metolachlor		1M	µg/l	0.005	31	12	0.005	0.004	0.01	0.004	0.004			
Pencconazol		1M	µg/l	0.005	31	20	0.005	0.006	0.012	0.003	0.003	0.06		
Propyzamid		1M	µg/l	0.005	31	-	-	<BG	<BG	<BG	<BG			
Simazin		1M	µg/l	0.005	31	16	0.005	0.004	0.008	0.007	0.005			
Terbutylazin		1M	µg/l	0.001	2	2	0.012	0.016	0.019	0.012	0.014			
Mecoprop		1M14	µg/l	0.001	2	1	0.013	0.007	0.013	<BG	-			
4-Chlor-2-Methylphenol		1M14	µg/l	0.001	2	2	0.006	0.007	0.008	0.003	0.006			
Diuron		1M14	µg/l	0.001	2	1	0.001	0.001	0.001	0.001	0.001			
Isoproturon		1M14	µg/l	0.003	2	2	0.001	0.001	0.001	0.001	0.005			
4-Isopropylamin		1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.005			
Metaxyl		1M14	µg/l	0.001	2	2	0.004	0.005	0.005	0.002	0.002			
Metazachlor		1M14	µg/l	0.001	2	2	0.004	0.005	0.005	0.005	0.001			
Metazachlor-ESA		1M14	µg/l	0.001	2	2	0.004	0.005	0.005	0.005	0.005			
Metolachlor		1M14	µg/l	0.001	2	2	0.004	0.005	0.006	0.005	0.005			
Metolachlor (ESA)		1M14	µg/l	0.005	2	2	0.005	0.008	0.01	0.011	0.009			
Metolachlor (OXA)		1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.008			
Metolachlor-Morpholinon		1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.006			
Alachlor-OXA		1M14	µg/l	0.005	2	2	0.007	0.012	0.017	<BG	0.003			
Azoxystrobin-säure		1M14	µg/l	0.01	2	2	0.003	0.003	0.003	<BG	0.005			
MCPA		1M14	µg/l	0.001	2	1	0.009	0.005	0.009	0.003	0.005			
Carbendazim		1M14	µg/l	0.001	2	2	0.005	0.006	0.006	0.006	0.007			
Cyproconazol		1M14	µg/l	0.001	2	2	0.006	0.007	0.007	<BG	0.010			
Desamino-Metamitron		1M14	µg/l	0.001	2	1	0.003	0.002	0.003	<BG	0.006			
Desethylterbutylazin		1M14	µg/l	0.002	2	-	-	<BG	<BG	0.007	-			
2,4-Dimethylphenylformamid		1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.005			
Dinoseb		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	<BG	0.005			
2-Hydroxyatrazin		1M14	µg/l	0.001	2	2	0.002	0.002	0.002	<BG	0.002			
Pirimicarb	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	<BG	0.004				
Pyrimidino	1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.004				
Propachlor-ESA	1M14	µg/l	0.005	2	-	-	<BG	<BG	<BG	0.005				
Propiconazol	1M14	µg/l	0.001	2	-	-	<BG	<BG	<BG	0.005				
N,N-Dimethyl-N-(4-Methylphenyl)-Sulfamid	1M14	µg/l	0.001	2	-	-	<BG	<BG	0.004	0.002				
2-Chloranilin	1M14	µg/l	0.02	2	-	-	<BG	<BG	<BG	0.025				
2-Chlornitrobenzol	1M14	µg/l	0.01	2	-	-	<BG	<BG	<BG	0.012				
N-(4-Aminophenyl)-N-Methyl-Acetamid	1M14	µg/L	0.025	2	-	-	<BG	<BG	<BG	0.015				
N-Methyl-N-Phenyl-Acetamid	1M14	µg/L	0.005	2	1	0.020	0.011	0.02	<BG	<BG				
N,N-Dimethylglycin N-Oxid	1M14	µg/L	0.001	2	2	0.003	0.010	0.017	<BG	0.005				

Arzneimittel/Wirkstoffe und Metabolite	TM14	µg/L	0.025	2	-	<BG	0.205	0.214	<BG	0.223	<BG	0.080
Benzothiazol	TM14	µg/L	0.025	2	-	<BG	0.205	0.214	<BG	0.223	<BG	0.080
Benzotriazol	TM14	µg/L	0.005	2	2	0.214	0.205	0.214	<BG	0.223	<BG	0.080
5-Methyl-Benzotriazol	TM14	µg/L	0.005	2	2	0.1220	0.1220	0.126	0.126	0.1300	<BG	0.254
2-Naphthalinsulfonsäure	TM14	µg/L	0.005	2	2	0.078	0.078	0.102	<BG	0.126	<BG	0.038
2,7-Naphthalindisulfonsäure	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.233
Diglyme	1M	µg/L	0.05	31	-	<BG	<BG	<BG	<BG	<BG	<BG	0.10
Galaxolid	1M	µg/L	0.01	31	30	0.010	0.010	0.016	0.016	0.029	0.02	0.03
Galaxolidon	1M	µg/L	0.02	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.01
Tonalid	1M	µg/L	0.01	31	8	0.010	0.010	0.006	0.013	0.013	<BG	0.01
Surfynol 104	1M	µg/L	0.025	31	29	0.029	0.029	0.059	0.102	0.102	0.06	0.19
Acetulfam	TM14	µg/L	0.01	2	2	0.8300	0.8300	0.847	0.8300	0.8630	0.74	0.27
Cyclohexylsulfonamide	TM14	µg/L	0.01	2	2	0.0280	0.0280	0.031	0.031	0.0330	0.04	0.02
Saccharin	TM14	µg/L	0.01	2	2	0.0300	0.0300	0.070	0.1100	0.1100	0.03	0.02
Sucralose	TM14	µg/L	0.01	2	2	0.0560	0.0560	0.067	0.0790	0.0790	0.063	0.083
Coffein	1M	µg/L	0.01	31	31	0.0110	0.0110	0.063	0.1920	0.1920	0.049	0.090
Amisulpid	TM14	µg/L	0.001	2	2	0.002	0.002	0.002	0.002	0.002	0.002	0.001
Atenolol	TM14	µg/L	0.005	2	1	0.006	0.006	0.004	0.006	0.006	0.008	0.010
Atenolidsäure	TM14	µg/L	0.003	2	2	0.026	0.026	0.028	0.03	0.030	0.030	0.058
Candesartan	TM14	µg/L	0.001	2	2	0.008	0.008	0.009	0.009	0.009	0.009	0.003
Carbamazepin	TM14	µg/L	0.001	2	2	0.021	0.021	0.025	0.028	0.028	0.026	0.031
Carbamazepin-10,11-Epoxid	TM14	µg/L	0.001	2	2	0.003	0.003	0.004	0.004	0.004	0.003	0.003
Carbamazepin-10,11Dihydro-10,11Dihydroxy	TM14	µg/L	0.001	2	2	0.019	0.019	0.022	0.024	0.024	0.026	0.041
Cefirizin	TM14	µg/L	0.001	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.009
Clarithromycin	TM14	µg/L	0.001	2	2	0.002	0.002	0.003	0.003	0.003	0.003	0.007
Climbazol	TM14	µg/L	0.001	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.003
Clopidogrelsäure	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.004
Codein	TM14	µg/L	0.01	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.005
D617	TM14	µg/L	0.005	2	2	0.011	0.011	0.013	0.014	0.014	0.009	0.022
Diclofenac	TM14	µg/L	0.005	2	2	0.002	0.002	0.002	0.002	0.002	<BG	0.005
Eprosartan	TM14	µg/L	0.01	2	2	0.002	0.002	0.002	0.002	0.002	<BG	0.001
Fluxetin	TM14	µg/L	0.001	2	1	0.02	0.02	0.010	0.02	0.02	0.025	0.026
4-(Trifluormethyl)Phenol	TM14	µg/L	0.01	2	2	0.027	0.027	0.037	0.047	0.047	0.046	0.064
Gabapentin	TM14	µg/L	0.01	2	2	0.011	0.011	0.012	0.012	0.012	0.012	-
Hydrochlorthiazid	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.007
Iohexol	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.140
Iopromid	TM14	µg/L	0.005	2	2	0.015	0.015	0.017	0.019	0.019	0.013	0.018
Lamotrigin	TM14	µg/L	0.005	2	2	0.004	0.004	0.005	0.005	0.005	0.004	<BG
Levetiracetam	TM14	µg/L	0.001	2	2	0.251	0.251	0.263	0.275	0.275	0.003	0.002
Lidocain	TM14	µg/L	0.001	2	-	<BG	<BG	<BG	<BG	<BG	0.314	0.448
Losartan	TM14	µg/L	0.005	2	2	0.006	0.006	0.007	0.007	0.007	0.009	0.015
Metformin	TM14	µg/L	0.005	2	2	<BG	<BG	<BG	<BG	<BG	<BG	0.004
Metoprolol	TM14	µg/L	0.001	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.004
Moclobemid	TM14	µg/L	0.001	2	2	0.014	0.014	0.014	0.014	0.014	0.011	0.003
Oxazepam	TM14	µg/L	0.001	2	1	0.004	0.004	0.002	0.004	0.004	0.002	0.001
Oxycarbazepin	TM14	µg/L	0.001	2	2	0.001	0.001	0.001	0.001	0.001	<BG	0.012
Paracetamol	TM14	µg/L	0.01	2	2	0.007	0.007	0.007	0.007	0.007	0.001	0.001
Phenazon	TM14	µg/L	0.001	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.004
Propranolol	TM14	µg/L	0.005	2	2	0.007	0.007	0.007	0.007	0.007	<BG	0.002
Sitagliptin	TM14	µg/L	0.001	2	1	0.023	0.023	0.014	0.023	0.023	<BG	0.010
Sotalol	TM14	µg/L	0.01	2	2	0.013	0.013	0.013	0.013	0.013	0.014	0.018
Sulfamethoxazol	TM14	µg/L	0.005	2	2	0.016	0.016	0.019	0.021	0.021	0.021	0.040
Valsartan	TM14	µg/L	0.005	2	2	0.03	0.03	0.036	0.042	0.042	0.030	0.010
Valsartansäure	TM14	µg/L	0.005	2	2	0.026	0.026	0.040	0.054	0.054	0.014	0.016
Venlafaxin	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.009
N-Desventilaxin	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.071
N,N-DiDesventilaxin	TM14	µg/L	0.01	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.005
O,N-DiDesventilaxin	TM14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	<BG	<BG	0.009
Verpamil	TM14	µg/L	0.001	2	2	0.045	0.045	0.051	0.056	0.056	0.050	0.089
N-Acetyl-4-Aminoantipyrin	TM14	µg/L	0.001	2	2	0.03	0.03	0.035	0.039	0.039	0.035	0.038
4-Formyl-Aminoantipyrin	TM14	µg/L	0.002	2	2	0.03	0.03	0.035	0.039	0.039	0.035	0.038

Kurzbeurteilung: normal

Grundgrößen: normal

Abwasserinhaltsstoffe: normal

Pflanzennährstoffe: normal

Salze: keine

gefährliche Stoffe: Summe Iomeprol und Iopamidol cmax 0.55 µg/L

arifrme Stoffe: gut

Gesamtzustand: gut

Erklärungen: (Die Bezeichnungen der Muster wurden der ICSR-Konvention angepasst)

K: Stundennittelwerte
1M: Tagesmischprobe
7M: Mischprobe über 7 Tage
14M: Mischprobe über 14 Tage
28M: Mischprobe über 28 Tage
1M14: 24h-Mischprobe alle 14 Tage
E28: Momentanprobe alle 28 Tage
** Angaben nur, wenn BG überschritten

n: Anzahl der Messungen
n>BG: Anzahl der Messungen grösser analyt. Bestimmungsgrenze (BG)
Min: Minimum
Mittel: arithmetischer Mittelwert
Max: Maximum



Besondere Vorkommnisse:
(z.B. Störfälle)

Nein

Abfluss Tages-φ : prov. (Rheinhalle): 1177 m³/s
min 924 m³/s
max 2011 m³/s
prov. φ Vormonat (Rheinhalle): 908 m³/s
prov. φ Vorjahr (2011, Rheinhalle): 827 m³/s

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte					Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	Messwert(e) grösser ZV		
Grundgrössen (S3)	Temperatur	K	°C				16.5		20.5						
	pH	K					7.81		8.12						
	Sauerstoff	K	mg/l				8.6		10.3						
	Leitfähigkeit	K	µS/cm				294		328						
	DOC	14M/E14	mg/l	0.1		4	4	1.49	1.79	2.14	1.72	1.76			
Abwasserinhaltsstoffe	TOC	14M	mg/l	0.1		2	2	2.48	2.71	2.94	1.92	2.13			
	SAK254	1M/14	1/m	0.03		2	2	3.092	4.65	6.2085	4.16	4.17			
	SAK436	1M/14	1/m	0.03		2	2	0.160	<BG	0.418	<BG	0.23			
	Ammonium_N	1M/14/E14	mg/l	0.01		4	4	0.0208	0.026	0.029	0.032	0.050	0.2		
	Nitrit_N	E14	mg/l	0.004		2	2	0.0077	0.008	0.0087	0.010	0.014			
	Kieselsäure_Si	14M/E14	mg/l	0.1		4	4	0.90	1.00	1.10	0.87	1.26			
	Borat	E28	µg B/L	10		1	1	14	14	14	14	17			
	Alkalinität (bis pH 4.5)	14M	mmol/H	0.1		2	2	2.45	2.46	2.46	2.32	2.75			
	Gesamthärte	14M	DH°			2	2	8.2	8.2	8.2	7.8	9.2			
	Karbonathärte	14M	DH°			2	2	7.0	7.0	7.0	6.6	7.9			
Kationen	Calcium	14M	mg/l	7		2	2	45.7	46.3	47.0	44.6	53.0			
	Kalium	14M	mg/l	0.5		2	2	1.5	1.5	1.55	1.6	1.9			
	Magnesium	14M	mg/l	1		2	2	6.7	6.8	6.9	6.9	7.8			
	Natrium	14M	mg/l	2		2	2	7.0	7.2	7.4	7.3	10.0			
	Nitrat_N	14M	mg/l	0.06		2	2	1.04	1.06	1.09	1.05	1.33			
Pflanzennährstoffe	α-Phosphat_P	14M/E14	mg/l	0.003		4	4	0.011	0.013	0.016	0.014	0.014			
	Gesamtkieselsäure_P	14M	mg/l	0.003		2	2	0.028	0.037	0.047	0.023	0.030	0.15		
	Gesamtstickstoff	14M/E14	mg/l	0.01		4	4	0.97	1.07	1.20	1.01	1.49			
	Bromid	14M	mg/l	0.01		2	2	0.080	0.084	0.087	0.072	0.128			
Salze	Chlorid	14M	mg/l	1.5		2	2	9.1	9.3	9.5	9.6	13.2			
	Fluorid	14M	mg/l	0.03		2	2	0.071	0.074	0.078	0.081	0.090			
	Sulfat	14M	mg/l	2.5		2	2	23.2	23.6	24.0	26.1	27.8			
	DTPA	28M	µg/l	0.5		1	1	-	<BG		<BG	0.47			
Komplexbildner	EDTA	28M	µg/l	0.5		1	1	1.376	1.376	1.376	0.8	1.3			
	NTA	28M	µg/l	0.5		1	1	0.972	0.972	0.972	<BG	0.9			
gefährliche Stoffe	Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5		2	2	0.79	0.81	0.83	0.84	0.87		
		Blei	14M	µg/l	0.1		2	2	0.31	0.40	0.48	0.08	0.29		
		Cadmium	14M	µg/l	0.02		2	2	0.23	<BG	0.33	<BG	<BG		
		Chrom	14M	µg/l	0.2		2	2	1.1	1.15	1.2	0.16	0.27		
		Kupfer	14M	µg/l	0.5		2	2	0.72	0.76	0.8	0.79	1.14		
		Nickel	14M	µg/l	0.5		2	2	0.72	0.76	0.8	0.54	0.62		
		Quecksilber	14M	µg/l	0.005		2	2	1.600	<BG	1.9	<BG	<BG		
		Zink	14M	µg/l	1		2	2	1.600	<BG	1.9	<BG	1.5		
		Arsen	E28	µg/l	0.5		1	1	0.8	0.8	0.8	0.8	0.8		
		Blei	E28	µg/l	0.1		1	1	-	<BG		0.1	0.1		
		Cadmium	E28	µg/l	0.02		1	1	-	<BG		<BG	<BG		
		Schwermetalle (gelöst)	Chrom	E28	µg/l	0.2		1	1	0.220	0.22	0.22	<BG	<BG	
Kupfer	E28		µg/l	0.5		1	1	1.1	1.1	1.1	1.00	0.93			
Nickel	E28		µg/l	0.5		1	1	0.61	0.61	0.61	0.58	0.51			
Quecksilber	E28		µg/l	0.005		1	1	-	<BG		<BG	<BG			
Zink	E28		µg/l	1		1	1	-	<BG		<BG	0.74			
Summenkenngrössen	GUS	14M	mg/l	0.1		2	2	14.6	26.8	39	5.0	8.2			

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
gefährliche Stoffe LCKW**	1,1-Dichlorethen	1M	µg/l	0.02	30	-	-	-	-	<BG	0.010			
	1,2-Dichlorbenzol	1M	µg/l	0.04	30	-	-	-	-	<BG	0.021			
	1,1,1-Trichlorethan	1M	µg/l	0.001	30	21	0.001	0.001	0.002	0.001	0.004			
	Bromoform	1M	µg/l	0.01	30	21	0.01	0.010	0.016	0.017	0.017			
	Chloroform	1M	µg/l	0.05	30	30	0.021	0.037	0.062	0.048	0.037	0.6		
	Dichlormethan	1M	µg/l	0.04	30	9	0.044	0.034	0.1	0.040	0.023			
	Hexachlorethen	1M	µg/l	0.0004	30	1	0.0004	0.0002	0.0004	0.000	0.001			
	Tetrachlorethen	1M	µg/l	0.001	30	30	0.009	0.017	0.021	0.022	0.028	1.0		
	Tetrachlormethan	1M	µg/l	0.001	30	21	0.001	0.001	0.0028	0.002	0.001			
	Trichlorethen	1M	µg/l	0.001	30	30	0.0013	0.004	0.007	0.002	0.004			
	Summe halogenierte	1M	µg/l		30	30	0.0395	0.089	0.1745	0.113	0.070			
	Pestizide und org. Einzelstoffe**	Alachlor	1M	µg/l	0.005	30	-	-	-	-	<BG	0.003		
		Atrazin	1M	µg/l	0.005	30	1	0.0050	0.003	0.0050	0.021	0.005	0.1	
		DEET	1M	µg/l	0.005	30	30	0.0070	0.015	0.1280	0.021	0.021		
		Desethylatrazin	1M	µg/l	0.005	30	1	0.0050	0.003	0.0050	0.007	0.006		
		Desethylterbutylazin	1M	µg/l	0.005	30	1	0.007	0.003	0.007	0.006	0.003		
		Desisopropylazin	1M	µg/l	0.01	30	-	-	-	-	<BG	0.006		
		Diazinon	1M	µg/l	0.005	30	-	-	-	-	<BG	0.004	0.02	
		2,6-Dichlorbenzamid	1M	µg/l	0.01	30	2	0.100	0.005	0.100	0.013	0.007		
		Dimethenamid	1M	µg/l	0.005	30	-	-	-	-	0.003	0.003		
		Metazachlor	1M	µg/l	0.005	30	5	0.005	0.003	0.011	0.003	0.003		
		Metolachlor	1M	µg/l	0.005	30	22	0.0050	0.006	0.0160	0.005	0.010	0.1	
		Pencconazol	1M	µg/l	0.005	30	-	-	-	-	0.004	0.004		
		Propylzamid	1M	µg/l	0.005	30	3	0.005	0.003	0.006	0.006	0.003	0.06	
		Simazin	1M	µg/l	0.005	30	-	-	-	-	<BG	0.003		
		Terbutylazin	1M	µg/l	0.005	30	3	0.005	0.003	0.008	0.004	0.005		
		Bentazon	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	<BG	0.001		
		Mecoprop	1M14	µg/l	0.001	2	2	0.006	0.008	0.01	<BG	0.016		
		4-Chlor-2-Methylphenol	1M14	µg/l	0.001	2	1	0.027	0.014	0.027	0.016	0.014		
		Diuron	1M14	µg/l	0.001	2	2	0.007	0.009	0.011	0.007	0.007		
		Isoproturon	1M14	µg/l	0.003	2	2	0.001	0.002	0.002	0.001	0.005		
		4-Isopropylanilin	1M14	µg/l	0.01	2	-	-	-	-	<BG	0.005		
		Metaxyl	1M14	µg/l	0.001	2	1	0.005	0.003	0.005	0.005	0.001		
		Metazachlor	1M14	µg/l	0.001	2	1	0.013	0.007	0.013	0.005	0.001		
		Metazachlor [ESA]	1M14	µg/l	0.001	2	-	-	-	-	<BG	0.005		
Acetochlor [OXA]		1M14	µg/l	0.005	2	1	0.008	0.005	0.008	<BG	0.005			
Metolachlor		1M14	µg/l	0.001	2	2	0.004	0.005	0.005	0.005	-			
Metolachlor (ESA)		1M14	µg/l	0.005	2	2	0.011	0.027	0.042	0.008	0.009			
Metolachlor (OXA)		1M14	µg/l	0.01	2	1	0.011	0.008	0.011	<BG	0.008			
Metolachlor-Merpholinon		1M14	µg/l	0.001	2	1	0.003	0.002	0.003	<BG	0.006			
Alachlor [OXA]		1M14	µg/l	0.005	2	-	-	-	-	0.012	0.003			
Azoxystrobin-säure		1M14	µg/l	0.01	2	2	0.004	0.004	0.004	0.003	0.005			
2,4-D		1M14	µg/l	0.001	2	2	0.005	0.003	0.005	<BG	<BG			
MCPA		1M14	µg/l	0.001	2	2	0.005	0.014	0.023	<BG	<BG			
Napropamid		1M14	µg/l	0.002	2	1	0.016	0.009	0.016	<BG	0.001			
Carbendazim		1M14	µg/l	0.001	2	2	0.004	0.005	0.005	0.006	0.007			
Clomazon	1M14	µg/l	0.001	2	1	0.003	0.002	0.003	<BG	0.001				
Cyproconazol	1M14	µg/l	0.001	2	2	0.007	0.009	0.011	0.007	0.010				
Desaminoc-Metamitron	1M14	µg/l	0.001	2	-	-	-	-	0.002	0.006				
Desethyl-2-Hydroxyterbutylazin	1M14	µg/l	0.002	2	1	0.003	0.002	0.003	<BG	0.001				
Desethylterbutylazin	1M14	µg/l	0.002	2	1	0.009	0.005	0.009	<BG	0.001				
Dimethachlor	1M14	µg/l	0.001	2	1	0.015	0.008	0.015	<BG	0.001				
2,4-Dimethylphenylformamid	1M14	µg/l	0.01	2	-	-	-	-	<BG	0.005				
Diroseb	1M14	µg/l	0.001	2	-	-	-	-	<BG	0.005				
2-Hydroxyatrazin	1M14	µg/l	0.001	2	2	0.002	0.004	0.005	<BG	0.005				
2-Hydroxysimazin	1M14	µg/l	0.001	2	1	0.002	0.001	0.002	0.002	0.001				
Pirimecarb	1M14	µg/l	0.001	2	-	-	-	-	<BG	0.004				
Pyrimidinol	1M14	µg/l	0.001	2	1	0.002	0.001	0.002	0.001	0.004				
Propachlor-ESA	1M14	µg/l	0.005	2	-	-	-	-	<BG	0.004				
Propiconazol	1M14	µg/l	0.01	2	-	-	-	-	<BG	0.005				
N,N-Dimethyl-N'(4-Methylphenyl)-Sulfamid	1M14	µg/l	0.001	2	1	0.006	0.003	0.006	<BG	0.002				
2-Chloranilin	1M14	µg/l	0.02	2	-	-	-	-	<BG	0.025				
2-Chlornitrobenzol	1M14	µg/l	0.01	2	-	-	-	-	<BG	0.012				
Bisphenol-A	1M28	µg/l	0.01	2	1	0.039	0.022	0.039	<BG	<BG				
Perfluorocansulfonsäure	1M14	µg/l	0.005	2	-	-	-	-	<BG	0.005				
N-(4-Aminophenyl)-N-Methyl-Acetaamid	1M14	µg/L	0.025	2	-	-	-	-	<BG	0.015				

Arzneimittel-Wirkstoffe und Metabolite	1M14	µg/L	0.005	2	-	<BG	0.011	0.005					
N-Methyl-N-Phenyl-Acetylamin	1M14	µg/L	0.001	2	-	<BG	0.010	0.005					
N,N-Dimethylglycylamin N-Oxid	1M14	µg/L	0.025	2	-	<BG	<BG	-					
Benzothiazol	1M14	µg/L	0.005	2	-	<BG	<BG	0.080					
Benzotriazol	1M14	µg/L	0.005	2	2	0.118	0.162	0.205					
5-Methyl-Benzotriazol	1M14	µg/L	0.005	2	2	0.0540	0.067	0.0800					
2-Naphthalinsulfonsäure	1M14	µg/L	0.005	2	1	0.073	0.038	0.073					
2,7-Naphthalindisulfonsäure	1M14	µg/L	0.005	2	-	<BG	<BG	0.233					
Triclosan	1M14	µg/L	0.005	2	-	<BG	<BG	0.003					
Diglyme	1M	µg/L	0.05	30	5	0.054	0.031	0.077					
Galaxolid	1M	µg/L	0.01	30	30	0.013	0.020	0.032					
Galaxolidon	1M14	µg/L	0.02	2	-	<BG	<BG	0.01					
Tomalid	1M	µg/L	0.01	30	-	<BG	<BG	0.01					
Surfynol 104	1M	µg/L	0.025	30	30	0.054	0.106	0.148					
Acesulfam	1M14	µg/L	0.01	2	2	0.4180	0.520	0.6210					
Cyclohexylsulfamidssäure	1M14	µg/L	0.01	2	2	0.0210	0.049	0.0770					
Saccharin	1M14	µg/L	0.01	2	2	0.0240	0.031	0.0380					
Sucralose	1M14	µg/L	0.01	2	2	0.0270	0.042	0.0560					
Coftain	1M	µg/L	0.01	30	30	0.0220	0.063	0.2140					
Amisulpirid	1M14	µg/L	0.001	2	2	0.001	0.002	0.002					
Alenolol	1M14	µg/L	0.005	2	1	<BG	<BG	0.010					
Alenololsäure	1M14	µg/L	0.003	2	-	0.025	0.013	0.025					
Candesartan	1M14	µg/L	0.001	2	2	0.006	0.008	0.009					
Carbamazepin	1M14	µg/L	0.001	2	2	0.008	0.014	0.02					
Carbamazepin-10,11-Epoxid	1M14	µg/L	0.001	2	2	0.003	0.006	0.009					
Carbamazepin-10,11Dihydro-10,11Dihydroxy	1M14	µg/L	0.001	2	2	0.014	0.018	0.022					
Ceftrizin	1M14	µg/L	0.001	2	-	<BG	<BG	0.009					
Clarithromycin	1M14	µg/L	0.001	2	1	0.002	0.001	0.002					
Climbazol	1M14	µg/L	0.001	2	-	<BG	<BG	0.003					
Clopidogrelsäure	1M14	µg/L	0.005	2	-	<BG	<BG	0.004					
Codein	1M14	µg/L	0.01	2	-	<BG	<BG	0.005					
D617	1M14	µg/L	0.005	2	2	<BG	<BG	0.012					
Diclofenac	1M14	µg/L	0.005	2	2	0.008	0.010	0.012					
Eprosartan	1M14	µg/L	0.01	2	-	<BG	<BG	0.005					
Fluoxetin	1M14	µg/L	0.001	2	1	0.001	0.001	0.001					
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	2	2	0.015	0.037	0.059					
Gabapentin	1M14	µg/L	0.01	2	2	0.02	0.025	0.029					
Hydrochlorthiazid	1M14	µg/L	0.01	2	2	0.013	0.015	0.016					
Iohexol	1M14	µg/L	0.005	2	-	<BG	<BG	0.007					
Iopromid	1M14	µg/L	0.005	2	2	<BG	<BG	0.140					
Lamotrigin	1M14	µg/L	0.005	2	2	0.008	0.015	0.022					
Levetiracetam	1M14	µg/L	0.005	2	-	<BG	<BG	0.013					
Lidocain	1M14	µg/L	0.001	2	2	0.003	0.003	0.003					
Meformin	1M14	µg/L	0.005	2	2	0.173	0.221	0.268					
Metoprolol	1M14	µg/L	0.001	2	2	0.004	0.005	0.005					
Moclobemid	1M14	µg/L	0.001	2	-	<BG	<BG	0.004					
Oxacarbazepin	1M14	µg/L	0.001	2	2	0.009	0.011	0.012					
Paracetamol	1M14	µg/L	0.01	2	1	0.003	0.002	0.003					
Phenazon	1M14	µg/L	0.001	2	-	<BG	<BG	0.012					
Propranolol	1M14	µg/L	0.005	2	-	<BG	<BG	0.001					
Silaglipin	1M14	µg/L	0.001	2	1	0.013	0.007	0.013					
Sotalol	1M14	µg/L	0.01	2	-	<BG	<BG	0.010					
Sulfamethoxazol	1M14	µg/L	0.005	2	1	0.013	0.008	0.013					
Valsartan	1M14	µg/L	0.005	2	2	0.016	0.016	0.016					
Valersäure	1M14	µg/L	0.005	2	2	0.019	0.025	0.03					
Venlafaxin	1M14	µg/L	0.005	2	2	0.007	0.010	0.012					
N-Desvenlafaxin	1M14	µg/L	0.005	2	-	<BG	<BG	0.009					
N,N-Diävenlafaxin	1M14	µg/L	0.01	2	-	<BG	<BG	0.071					
O,N-Diävenlafaxin	1M14	µg/L	0.005	2	-	<BG	<BG	0.005					
Verpamil	1M14	µg/L	0.001	2	-	<BG	<BG	0.009					
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0.001	2	2	0.052	0.076	0.099					
4-Formyl-Aminoantipyrin	1M14	µg/L	0.002	2	2	0.018	0.020	0.022					

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSr-Konvention angepasst)

- K: Stundemittelwerte
- 1M: Tagesmischprobe
- 7M: Mischprobe über 7 Tage
- 14M: Mischprobe über 14 Tage
- 28M: Mischprobe über 28 Tage
- 1M14: 24h-Mischprobe alle 14 Tage
- E28: Momentanprobe alle 28 Tage
- ** Angaben nur, wenn BG überschritten

Kurzbeurteilung:	normal
Grundgrößen:	normal
Abwasserinhaltsstoffe:	normal
Pflanzennährstoffe:	normal
Sätze:	keine
gefährliche Stoffe:	keine
artfremde Stoffe:	keine
Gesamtzustand:	gut



Besondere Vorkommnisse:
(z.B. Störfälle)

Nein

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte					Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>-BG	Min	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	Messwert(e) grösser ZV		
Grundgrössen (S3)	Temperatur	K	°C				11.0		17.1						
	pH	K					7.80		8.11						
	Sauerstoff	K	mg/l				9.3		11.4						
	Leitfähigkeit	K	µS/cm				288		376						
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1			1.40	1.73	2.45	1.79	1.76				
	TOC	14M	mg/l	0.1			1.99	3.20	4.42	2.71	2.13				
	SAK254	1M/14	1/m	0.03			3.4002	3.43	3.4635	4.65	4.17				
	SAK436	1M/14	1/m	0.03			0.127	0.1485	0.1705	<BG	0.23				
	Ammonium_N	1M/14/E14	mg/l	0.01			0.0239	0.044	0.0854	0.026	0.050	0.2			
	Nitrit_N	E14	mg/l	0.004			0.0072	0.012	0.0166	0.008	0.014				
	Kieselsäure_Si	14M/E14	mg/l	0.1			0.97	1.12	1.30	1.00	1.26				
	Borat	E28	µg B/L	10			1	15	15	14	17				
	Alkalinität (bis pH 4.5)	14M	mmol/l H+	0.1			2.50	2.62	2.73	2.46	2.75				
	Gesamthärte	14M	DH°				8.3	8.5	8.8	8.2	9.2				
Kationen	Karbonathärte	14M	DH°				7.1	7.5	7.8	7.0	7.9				
	Calcium	14M	mg/l	7			47.2	49.0	50.7	46.3	53.0				
	Kalium	14M	mg/l	0.5			1.6	1.6	1.6	1.5	1.9				
	Magnesium	14M	mg/l	1			6.9	7.1	7.2	6.8	7.8				
	Natrium	14M	mg/l	2			6.2	7.0	7.7	7.2	10.0				
	Nitrat_N	14M	mg/l	0.06			0.99	0.99	1.00	1.06	1.33				
Pflanzennährstoffe	α-Phosphat_P	14M/E14	mg/l	0.003			0.006	0.010	0.015	0.013	0.014				
	Gesamtphosphor_P	14M	mg/l	0.003			0.0221	0.038	0.054	0.037	0.030	0.15			
	Gesamtstickstoff	14M/E14	mg/l	0.01			1.048	1.11	1.242	1.07	1.49				
	Bromid	14M	mg/l	0.01			0.077	0.091	0.105	0.084	0.128				
Salze	Chlorid	14M	mg/l	1.5			7.9	8.8	9.7	9.3	13.2				
	Fluorid	14M	mg/l	0.03			0.080	0.083	0.087	0.074	0.090				
	Sulfat	14M	mg/l	2.5			22.3	23.5	24.7	23.6	27.8				
	DTPA	28M	µg/l	0.5			-	<BG		<BG	0.47				
Komplexbildner	EDTA	28M	µg/l	0.5			0.71	0.71	0.71	1.4	1.3				
	NTA	28M	µg/l	0.5			-	<BG		1.0	0.9				
gefährliche Stoffe	Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5			0.75	0.82	0.88	0.81	0.87			
		Blei	14M	µg/l	0.1			0.15	0.725	1.3	0.40	0.29			
		Cadmium	14M	µg/l	0.02			-	<BG		<BG	<BG			
		Chrom	14M	µg/l	0.2			0.26	0.375	0.49	0.28	0.27			
		Kupfer	14M	µg/l	0.5			0.84	1.32	1.8	1.15	1.14			
		Nickel	14M	µg/l	0.5			0.52	0.76	1	0.76	0.62			
		Quecksilber	14M	µg/l	0.005			-	<BG		<BG	<BG			
		Zink	14M	µg/l	1			3.800	2.15	3.8	<BG	1.5			
		Arsen	E28	µg/l	0.5			0.77	0.77	0.77	0.8	0.8			
		Blei	E28	µg/l	0.1			-	<BG		<BG	0.1			
		Cadmium	E28	µg/l	0.02			-	<BG		<BG	<BG			
		Chrom	E28	µg/l	0.2			-	<BG		<BG	<BG			
		Kupfer	E28	µg/l	0.5			0.72	0.72	0.72	1.10	0.93			
		Nickel	E28	µg/l	0.5			0.5	0.5	0.5	0.61	0.51			
Quecksilber	E28	µg/l	0.005			-	<BG		<BG	<BG					
Zink	E28	µg/l	1			-	<BG		<BG	0.74					
Summenkenngrössen	GUS	14M	mg/l	0.1			4.2	28.1	52	26.8	8.2				

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel IKSR	Zielvor-gabe	
gefährliche Stoffe LCKW**	1,1-Dichlorethan	1M	µg/l	0.02	31	-	-	-	-	<BG	0.010		
	1,2-Dichlorbenzol	1M	µg/l	0.04	31	-	-	-	-	<BG	0.021		
	1,1,1-Trichlorethan	1M	µg/l	0.001	27	0.001	0.001	0.001	0.002	0.001	0.004		
	Bromoform	1M	µg/l	0.01	31	5	0.011	0.006	0.015	0.010	0.017		
	Chloroform	1M	µg/l	0.05	31	31	0.021	0.037	0.056	0.037	0.031	0.6	
	Dichlormethan	1M	µg/l	0.04	31	24	0.040	0.062	0.150	0.034	0.023		
	Hexachlorethan	1M	µg/l	0.0004	31	12	0.0004	0.0003	0.0007	0.0004	0.001		
	Tetrachlorethan	1M	µg/l	0.001	31	31	0.008	0.018	0.024	0.017	0.028	1.0	
	Tetrachlormethan	1M	µg/l	0.001	31	28	0.001	0.002	0.003	0.004	0.001		
	Trichlorethan	1M	µg/l	0.001	31	31	0.002	0.005	0.007	0.004	0.004		
	Summe halogenierte Toluol	1M	µg/l	0.25	31	31	0.033	0.122	0.212	0.089	0.070		
		1M	µg/l		31	1	0.410	0.134	0.410	<BG	<BG		
		1M	µg/l		31	-	-	<BG		<BG	0.003	0.1	
	Alachlor	1M	µg/l	0.005	31	6	0.005	0.003	0.006	0.003	0.005	0.1	
	Altrazin	1M	µg/l	0.005	31	31	0.007	0.011	0.042	0.015	0.021		
	DEET	1M	µg/l	0.005	31	3	0.005	0.003	0.005	0.003	0.006		
	Desethylatrazin	1M	µg/l	0.005	31	3	0.006	0.003	0.007	0.003	0.003		
	Desethylterbutylazin	1M	µg/l	0.005	31	2	0.006	<BG		<BG	0.006	0.02	
	Desisopropylazin	1M	µg/l	0.01	31	-	-	<BG		<BG	0.004		
	Diazinon	1M	µg/l	0.005	31	-	-	<BG		<BG	0.004		
	2,6-Dichlorbenzamid	1M	µg/l	0.01	31	2	0.010	0.005	0.014	0.003	0.003		
	Metazachlor	1M	µg/l	0.005	31	-	-	<BG		0.006	0.004	0.1	
	Pencconazol	1M	µg/l	0.005	31	19	0.005	0.005	0.010	<BG	0.004		
	Propyzamid	1M	µg/l	0.005	31	-	-	<BG		0.003	0.003	0.06	
	Simazin	1M	µg/l	0.005	31	1	0.006	0.003	0.006	<BG	0.003		
	Terbutylazin	1M	µg/l	0.005	31	5	0.005	0.003	0.007	0.003	0.005		
	Terbutyn	1M	µg/l	0.005	31	1	0.005	0.003	0.005	<BG	0.003		
	Bentazon	1M/4	µg/l	0.001	3	-	-	<BG		0.001	0.001		
	Mecoprop	1M/4	µg/l	0.001	3	2	0.007	0.023	0.062	0.001	0.001		
	4-Chlor-2-Methylphenol	1M/4	µg/l	0.001	3	1	0.011	0.004	0.011	0.014	-		
	Chlorotoluron	1M/4	µg/l	0.001	3	2	0.001	0.011	0.031	<BG	0.001		
	Duron	1M/4	µg/l	0.001	3	3	0.006	0.008	0.010	0.009	0.006		
	Isoproturon	1M/4	µg/l	0.003	3	3	0.002	0.017	0.046	0.002	0.005		
4-Isopropylamin	1M/4	µg/l	0.01	3	-	-	<BG		<BG	0.005			
Metaxyl	1M/4	µg/l	0.001	3	1	0.004	0.002	0.004	0.003	0.002			
Metazachlor	1M/4	µg/l	0.001	3	2	0.001	0.001	0.001	0.007	0.001			
Metazachlor [ESA]	1M/4	µg/l	0.001	3	-	-	<BG		<BG	0.005			
Metolachlor (ESA)	1M/4	µg/l	0.005	3	3	0.005	0.006	0.006	0.027	0.009			
Metolachlor (ESA)	1M/4	µg/l	0.005	3	3	0.009	0.012	0.014	0.008	0.014			
Metolachlor (OXA)	1M/4	µg/l	0.01	3	1	0.006	0.005	0.006	0.008	0.008			
Metolachlor-Morpholinon	1M/4	µg/l	0.001	3	3	0.003	0.004	0.005	0.002	0.006			
Azoxystrobin	1M/4	µg/l	0.01	3	1	0.003	0.004	0.003	0.004	0.004			
2,4-D	1M/4	µg/l	0.001	3	-	-	<BG		0.003	<BG			
MCPA	1M/4	µg/l	0.001	3	-	-	<BG		0.014	0.005			
Napropamid	1M/4	µg/l	0.002	3	-	-	<BG		0.009	0.001			
Carbendazim	1M/4	µg/l	0.001	3	3	0.006	0.007	0.007	0.005	0.007			
Clomazon	1M/4	µg/l	0.001	3	-	-	<BG		0.002	0.001			
Cyproconazol	1M/4	µg/l	0.001	3	3	0.008	0.010	0.013	0.009	0.010			
Desamino-Metamitron	1M/4	µg/l	0.001	3	1	0.003	0.001	0.003	<BG	0.006			
Desethyl-2-Hydroxyterbutylazin	1M/4	µg/l	0.002	3	2	0.002	0.002	0.003	0.002	0.002			
Desethylterbutylazin	1M/4	µg/l	0.002	3	2	0.005	0.004	0.005	0.002	0.003			
Dimethachlor	1M/4	µg/l	0.001	3	-	-	<BG		0.008	0.001			
2,4-Dimethylphenylformamid	1M/4	µg/l	0.01	3	-	-	<BG		<BG	0.005			
Dinoseb	1M/4	µg/l	0.001	3	-	-	<BG		<BG	0.005			
Flufenacet	1M/4	µg/l	0.005	3	1	0.005	0.003	0.005	-	-			
2-Hydroxyatrazin	1M/4	µg/l	0.001	3	3	0.002	0.002	0.003	0.004	0.002			
2-Hydroxysimazin	1M/4	µg/l	0.001	3	2	0.002	0.002	0.002	0.001	0.001			
Pyrimicarb	1M/4	µg/l	0.001	3	-	-	<BG		<BG	0.004			
Pyrimidol	1M/4	µg/l	0.001	3	-	-	<BG		0.001	0.004			
Propachlor-ESA	1M/4	µg/l	0.005	3	-	-	<BG		<BG	0.004			
Pipiconazol	1M/4	µg/l	0.01	3	-	-	<BG		<BG	0.005			
N,N-Dimethyl-N'(4-Methylphenyl)-Sulfamid	1M/4	µg/l	0.001	3	-	-	<BG		0.003	0.002			
2-Chloranilin	1M/4	µg/l	0.02	3	-	-	<BG		<BG	0.025			
2-Chlornitrobenzol	1M/4	µg/l	0.02	3	-	-	<BG		0.022	<BG			
Bisphenol-A	1M/4	µg/l	0.01	3	-	-	<BG		<BG	0.005			
Perfluoroctansulfonsäure	1M/28	µg/l	0.005	3	-	-	<BG		<BG	0.005			



Nein

Besondere Vorkommnisse:
(z.B. Störfälle)

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen
					n	n>BG	M/in	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe	
Grundgrössen (S3)	Temperatur	K	°C				8.7		11.7				
	pH	K					7.88		8.08				
	Sauerstoff	K	mg/l				10.8		12.4				
	Leitfähigkeit	K	μ S/cm				341		394				
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1			1.56	1.99	2.49	1.73	1.76		
	TOC	14M	mg/l	0.1			2.26	2.61	2.76	3.20	4.13		
	SAK254	1M14	1/m	0.03			4.125	5.81	7.4927	3.43	4.17		
	SAK436	1M14	1/m	0.03			0.320	0.443	0.567	0.15	0.23		
	Ammonium N	1M14/E14	mg/l	0.01			0.023	0.033	0.057	0.044	0.050	0.2	
	Nitrit N	E14	mg/l	0.004			0.013	0.014	0.015	0.012	0.014		
	Kieselsäure Si	14M/E14	mg/l	0.1			1.30	1.55	1.70	1.12	1.26		
	Borax	E28	μ g B/L	10			1	16	16	15	17		
	Alkalinität (bis pH 4.5)	14M	mMol H ⁺	0.1			2.76	2.88	2.99	2.62	2.75		
	Gesamthärte	14M	DH°				9.0	9.4	9.7	8.5	9.2		
Kationen	Karbonathärte	14M	DH°				8.2	8.2	8.5	7.5	7.9		
	Calcium	14M	mg/l	7			52.4	54.7	57.0	49.0	53.0		
	Kalium	14M	mg/l	0.5			1.7	1.8	1.79	1.6	1.9		
	Magnesium	14M	mg/l	1			7.5	7.5	7.5	7.1	7.8		
	Natrium	14M	mg/l	2			7.3	7.6	7.9	7.0	10.0		
	Nitrat N	14M	mg/l	0.06			1.25	1.33	1.41	0.99	1.33		
Pflanzennährstoffe	o-Phosphat P	14M/E14	mg/l	0.003			0.011	0.018	0.032	0.010	0.014		
	Gesamtphosphor P	14M	mg/l	0.003			0.027	0.034	0.042	0.038	0.030	0.15	
	Gesamtstickstoff	14M/E14	mg/l	0.01			1.273	1.43	1.628	1.11	1.49		
Salze	Bromid	14M	mg/l	0.01			0.063	0.081	0.100	0.091	0.128		
	Chlorid	14M	mg/l	1.5			9.7	10.1	10.4	8.8	13.2		
	Fluorid	14M	mg/l	0.03			0.065	0.066	0.067	0.083	0.090		
	Sulfat	14M	mg/l	2.5			22.8	23.8	24.8	23.5	27.8		
	DTPA	28M	μ g/l	0.5			-	<BG		<BG	0.47		
Komplexbildner	EDTA	28M	μ g/l	0.5			1	1	1	0.7	1.3		
	NTA	28M	μ g/l	0.5			0.730	0.73	0.73	<BG	0.9		
		28M	μ g/l	0.5									
gefährliche Stoffe													
Schwermetalle (gesamt)	Arsen	14M	μ g/l	0.5			0.81	0.82	0.82	0.82	0.87		
	Blei	14M	μ g/l	0.1			0.13	0.245	0.36	0.73	0.29		
	Cadmium	14M	μ g/l	0.02			-	<BG		<BG	<BG		
	Chrom	14M	μ g/l	0.2			0.21	0.25	0.28	0.38	0.27		
	Kupfer	14M	μ g/l	0.5			0.89	1.05	1.2	1.32	1.14		
	Nickel	14M	μ g/l	0.5			0.54	0.63	0.72	0.76	0.62		
	Quecksilber	14M	μ g/l	0.005			-	<BG		<BG	<BG		
	Zink	14M	μ g/l	1			1.900	1.2	1.9	2.2	1.5		
Schwermetalle (gelöst)	Arsen	E28	μ g/l	0.5			0.77	0.77	0.77	0.8	0.8		
	Blei	E28	μ g/l	0.1			0.100	0.1	0.1	<BG	<BG		
	Cadmium	E28	μ g/l	0.02			-	<BG		<BG	<BG		
	Chrom	E28	μ g/l	0.2			-	<BG		<BG	<BG		
	Kupfer	E28	μ g/l	0.5			0.64	0.64	0.64	0.72	0.93		
	Nickel	E28	μ g/l	0.5			0.58	0.58	0.58	0.50	0.51		
	Quecksilber	E28	μ g/l	0.005			-	<BG		<BG	<BG		
	Zink	E28	μ g/l	1			5.7	9.9	14	28.1	8.2		
Summenkenngrössen	GUS	mg/l	0.1										

Gruppe	Kenngröße	Proben-art	Dimen- sion	Besim- mungs- grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor- gabe		Messwert(e) grosser ZV
gefährliche Stoffe LCKW**	1,1,1-Trichlorethan	1M	µg/l	0,001	30	26	0,0013	0,002	0,0043	0,001	0,004			
	Bromoform	1M	µg/l	0,01	30	1	0,021	0,006	0,021	0,006	0,017			
	Chloroform	1M	µg/l	0,05	30	27	0,022	0,032	0,044	0,037	0,031	0,6		
	Dichlormethan	1M	µg/l	0,04	30	13	0,043	0,040	0,1	0,062	0,023			
	Hexachlorethan	1M	µg/l	0,0004	30	23	0,0004	0,006	0,004	0,000	0,001	1,0		
	Tetrachlorethan	1M	µg/l	0,001	30	30	0,011	0,020	0,029	0,018	0,028			
	Tetrachloroethan	1M	µg/l	0,001	30	25	0,0015	0,003	0,006	0,002	0,003			
	Trichlorethan	1M	µg/l	0,001	30	28	0,0016	0,005	0,0082	0,005	0,004			
	Summe halogenierte	1M	µg/l	0,25	30	30	0,0392	0,089	0,1749	0,122	0,070			
	Toluol	1M	µg/l	0,25	30	-	-	<BG	<BG	0,134	<BG			
	Pestizide und org. Einzelstoffe**	Alachlor	1M	µg/l	0,005	30	2	0,005	0,003	0,005	<BG	0,003	0,1	
		Atrazin	1M	µg/l	0,005	30	2	0,005	0,003	0,005	0,011	0,021	0,1	
		DEET	1M	µg/l	0,005	30	30	0,007	0,010	0,023	0,003	0,006		
		Desethylatrazin	1M	µg/l	0,005	30	19	0,005	0,004	0,007	0,003	0,003		
		Desethylterbutylazin	1M	µg/l	0,005	30	2	0,005	0,003	0,006	0,003	0,003		
Desisopropylazin		1M	µg/l	0,01	30	-	-	<BG	<BG	<BG	0,006			
Diazinon		1M	µg/l	0,005	30	-	-	<BG	<BG	<BG	0,004	0,02		
2,6-Dichlorbenzamid		1M	µg/l	0,01	30	11	0,010	0,007	0,013	0,005	0,007			
Metolachlor		1M	µg/l	0,005	30	29	0,005	0,007	0,017	0,005	0,010	0,1		
Penconazol		1M	µg/l	0,005	30	-	-	<BG	<BG	0,004	0,004	0,06		
Simazin		1M	µg/l	0,005	30	-	-	<BG	<BG	0,003	0,003			
Terbutylazin		1M	µg/l	0,005	30	2	0,006	0,003	0,006	0,003	0,005			
Terbutynil		1M	µg/l	0,005	30	-	-	<BG	<BG	0,003	0,003			
Mecoprop		1M14	µg/l	0,001	2	2	0,005	0,006	0,006	0,023	0,014			
4-Chlor-2-Methylphenol		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,004	-			
Chlorotoluron		1M14	µg/l	0,001	2	2	0,003	0,014	0,024	0,008	0,006			
Diuron		1M14	µg/l	0,001	2	2	0,005	0,006	0,007	0,017	0,005			
Isoproturon		1M14	µg/l	0,003	2	2	0,003	0,013	0,023	0,017	0,005			
4-Isopropylanilin		1M14	µg/l	0,01	2	-	-	<BG	<BG	<BG	0,005			
Metolaxyl		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,002	0,002			
Metazachlor		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,001	0,001			
Metazachlor (ESA)		1M14	µg/l	0,001	2	1	0,013	0,007	0,013	0,006	0,005			
Metolachlor		1M14	µg/l	0,001	2	2	0,008	0,008	0,020	0,012	0,009			
Metolachlor (ESA)		1M14	µg/l	0,005	2	2	0,011	0,016	0,020	0,012	0,009			
Metolachlor (OXA)		1M14	µg/l	0,01	2	1	0,005	0,005	0,005	0,005	0,005			
Metolachlor-Morpholinon		1M14	µg/l	0,001	2	2	0,002	0,003	0,004	0,004	0,006			
Azoxystrobin-säure		1M14	µg/l	0,01	2	-	-	<BG	<BG	0,004	0,005			
MCPA		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,005	0,005			
Carbendazim		1M14	µg/l	0,001	2	2	0,004	0,006	0,007	0,007	0,007			
Cyproconazol		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,010	0,010			
Desamino-Metamitron		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,001	0,006			
Desethyl-2-Hydroxyterbutylazin		1M14	µg/l	0,002	2	-	-	<BG	<BG	0,002	0,001			
Desethylterbutylazin		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,004	0,004			
Diminaclor-ESA		1M14	µg/l	0,001	2	1	0,006	0,003	0,006	0,004	0,001			
2,4-Dimethylphenylformamid		1M14	µg/l	0,01	2	-	-	<BG	<BG	<BG	0,005			
Dinoseb		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,003	0,003			
Flufenacet		1M14	µg/l	0,005	2	-	-	<BG	<BG	0,003	0,003			
Flufenacet-ESA		1M14	µg/l	0,005	2	-	-	<BG	<BG	0,002	0,002			
2-Hydroxyatrazin		1M14	µg/l	0,001	2	1	0,003	0,004	0,004	0,002	0,002			
2-Hydroxysimazin		1M14	µg/l	0,001	2	1	0,003	0,002	0,003	0,002	0,001			
Pethoxamid		1M14	µg/l	0,005	2	-	-	<BG	<BG	0,003	0,003			
Primicarb		1M14	µg/l	0,001	2	-	-	<BG	<BG	0,004	0,004			
Pyrimidiniol		1M14	µg/l	0,001	2	1	0,025	0,013	0,025	0,013	0,004			
Propachlor-ESA		1M14	µg/l	0,005	2	-	-	<BG	<BG	0,004	0,004			
Propiconazol		1M14	µg/l	0,01	2	-	-	<BG	<BG	0,005	0,005			
2-Chloranilin	1M14	µg/l	0,02	2	-	-	<BG	<BG	0,025	0,025				
2-Chlornitrobenzol	1M14	µg/l	0,01	2	-	-	<BG	<BG	0,012	0,012				
Perfluorooctansulfonsäure	1M28	µg/L	0,005	2	-	-	<BG	<BG	0,005	0,005				
N-(4-Aminophenyl)-N-Methyl-Acetamid	1M14	µg/L	0,025	2	-	-	<BG	<BG	0,015	0,015				
N-Methyl-N-Phenyl-Acetamid	1M14	µg/L	0,005	2	-	-	<BG	<BG	0,005	0,005				
Benzothiazol	1M14	µg/L	0,025	2	-	-	<BG	<BG	0,080	0,080				
Benzothiazol	1M14	µg/L	0,005	2	2	0,183	0,194	0,204	0,178	0,254				
5-Methyl-Benzotriazol	1M14	µg/l	0,005	2	2	0,089	0,094	0,098	0,089	0,254				
2-Naphthalinsulfonsäure	1M14	µg/l	0,005	2	2	0,010	0,018	0,025	0,011	0,038				
2,7-Naphthalinsulfonsäure	1M14	µg/l	0,005	2	-	-	<BG	<BG	0,233	0,233				

Substanz	1M14	µg/l	0.005	2	-	0.138	-BG	0.138	-BG	0.003	-BG	0.051	-BG
Triclosan	1M14	µg/l	0.005	2	-	0.138	-BG	0.138	-BG	0.003	-BG	0.051	-BG
Triphenylphosphinoxid	1M14	µg/l	0.01	2	2	0.138	0.138	0.138	0.138	0.003	0.003	0.051	0.003
Diglyme	1M	µg/l	0.05	30	12	0.051	0.041	0.041	0.041	0.10	0.10	0.051	0.10
Galaxolid	1M	µg/l	0.01	30	30	0.024	0.033	0.048	0.033	0.03	0.03	0.024	0.03
Galaxolid	1M14	µg/l	0.02	2	-	-	-BG	-BG	-BG	0.01	0.01	-BG	-BG
Tonalid	1M	µg/l	0.01	30	30	0.026	0.045	0.069	0.045	0.01	0.01	0.026	0.01
Surfynol 104	1M	µg/l	0.025	30	28	0.026	0.045	0.069	0.045	0.19	0.19	0.026	0.19
Acesulfam	1M14	µg/l	0.01	2	2	0.619	0.629	0.639	0.629	0.27	0.27	0.619	0.27
Cyclohexylsulfamidensäure	1M14	µg/l	0.01	2	2	0.023	0.120	0.216	0.120	0.02	0.02	0.023	0.02
Saccharin	1M14	µg/l	0.01	2	2	0.059	0.091	0.122	0.091	0.02	0.02	0.059	0.02
Sucralose	1M14	µg/l	0.01	2	2	0.028	0.035	0.041	0.035	0.083	0.083	0.028	0.083
Coffein	1M	µg/l	0.01	30	30	0.033	0.083	0.219	0.083	0.090	0.090	0.033	0.090
Arzneimittel-Wirkstoffe und Metabolite	1M14	µg/L	0.001	2	2	0.003	0.004	0.004	0.004	0.001	0.001	0.003	0.001
Atenolol	1M14	µg/L	0.005	2	-	-	-BG	-BG	-BG	0.10	0.10	0.004	0.10
Aterololensäure	1M14	µg/L	0.003	2	2	0.040	0.042	0.044	0.042	0.058	0.058	0.037	0.058
Azinthromycin	1M14	µg/L	0.001	2	1	0.001	0.001	0.001	0.001	0.001	0.001	-BG	0.001
Candesartan	1M14	µg/L	0.001	2	2	0.013	0.015	0.017	0.015	0.003	0.003	0.013	0.003
Carbamazepin	1M14	µg/L	0.001	2	2	0.012	0.022	0.031	0.022	0.031	0.031	0.018	0.031
Carbamazepin-10,11-Epoxid	1M14	µg/L	0.001	2	2	0.004	0.005	0.005	0.005	0.003	0.003	0.004	0.003
Carbamazepin-10,11-Dihydro-10,11-Dihydroxy	1M14	µg/L	0.001	2	2	0.029	0.031	0.033	0.031	0.041	0.041	0.022	0.041
Cefprozil	1M14	µg/L	0.001	2	-	-	-BG	-BG	-BG	0.009	0.009	-BG	-BG
Clarithromycin	1M14	µg/L	0.001	2	2	0.005	0.006	0.006	0.006	0.007	0.007	0.003	0.007
Climbazol	1M14	µg/L	0.001	2	1	0.010	0.005	0.010	0.005	0.003	0.003	0.007	0.003
Clopidogrelsäure	1M14	µg/L	0.005	2	2	0.005	0.006	0.007	0.006	0.004	0.004	0.004	0.004
Coden	1M14	µg/L	0.01	2	1	0.019	0.012	0.019	0.012	0.005	0.005	0.014	0.005
D617	1M14	µg/L	0.005	2	-	-	-BG	-BG	-BG	0.012	0.012	-BG	0.012
Diclofenac	1M14	µg/L	0.005	2	2	0.032	0.035	0.037	0.035	0.022	0.022	0.025	0.022
Diprosantan	1M14	µg/L	0.01	2	-	-	-BG	-BG	-BG	0.005	0.005	-BG	-BG
Fluoxetin	1M14	µg/L	0.001	2	-	-	-BG	-BG	-BG	0.001	0.001	0.001	0.001
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	2	2	0.015	0.056	0.097	0.056	0.026	0.026	0.029	0.026
Gabapentin	1M14	µg/L	0.01	2	2	0.030	0.037	0.044	0.037	0.044	0.044	0.046	0.044
Hydrochlorthiazid	1M14	µg/L	0.01	2	2	0.026	0.029	0.031	0.029	0.031	0.031	0.025	0.031
Iohexol	1M14	µg/L	0.005	2	-	-	-BG	-BG	-BG	0.007	0.007	-BG	-BG
Iopromid	1M14	µg/L	0.005	2	-	-	-BG	-BG	-BG	0.140	0.140	-BG	-BG
Lamotrigin	1M14	µg/L	0.005	2	2	0.014	0.018	0.022	0.018	0.018	0.018	0.019	0.018
Levetiracetam	1M14	µg/L	0.005	2	1	0.019	0.011	0.019	0.011	0.013	0.013	0.008	0.013
Lidocain	1M14	µg/L	0.001	2	2	0.005	0.006	0.006	0.006	-BG	-BG	0.005	-BG
Losartan	1M14	µg/L	0.001	2	2	0.006	0.011	0.016	0.011	0.002	0.002	0.002	0.002
Meftormin	1M14	µg/L	0.005	2	2	0.146	0.231	0.316	0.231	0.448	0.448	0.264	0.448
Metoprolol	1M14	µg/L	0.001	2	2	0.012	0.013	0.014	0.013	0.015	0.015	0.008	0.015
Moclobemid	1M14	µg/L	0.001	2	-	-	-BG	-BG	-BG	0.004	0.004	0.004	0.004
Naproxen	1M14	µg/L	0.025	2	1	0.042	0.027	0.042	0.027	-BG	-BG	0.011	-BG
Oxazepam	1M14	µg/L	0.001	2	2	0.007	0.008	0.009	0.008	0.003	0.003	0.011	0.003
Oxacetabazepin	1M14	µg/L	0.001	2	1	0.005	0.003	0.005	0.003	0.001	0.001	-BG	0.001
Paracetamol	1M14	µg/L	0.01	2	1	0.076	0.041	0.076	0.041	0.012	0.012	0.011	0.012
Phenazon	1M14	µg/L	0.001	2	1	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.001
Propranolol	1M14	µg/L	0.005	2	-	-	-BG	-BG	-BG	0.004	0.004	-BG	-BG
Stiglipitin	1M14	µg/L	0.001	2	2	0.008	0.011	0.013	0.011	0.002	0.002	0.010	0.002
Sotalol	1M14	µg/L	0.01	2	-	-	-BG	-BG	-BG	0.010	0.010	0.010	0.010
Sulfamethoxazol	1M14	µg/L	0.005	2	2	0.012	0.013	0.014	0.013	0.018	0.018	0.012	0.018
Trimethoprim	1M14	µg/L	0.001	2	2	0.003	0.004	0.004	0.004	0.002	0.002	0.001	0.002
Valsartan	1M14	µg/L	0.005	2	2	0.030	0.034	0.037	0.034	0.040	0.040	0.020	0.040
Valsartansäure	1M14	µg/L	0.005	2	2	0.022	0.030	0.037	0.030	0.010	0.010	0.023	0.010
Venlafaxin	1M14	µg/L	0.005	2	2	0.007	0.008	0.008	0.008	0.016	0.016	0.007	0.016
N-Desvenlafaxin	1M14	µg/L	0.005	2	-	-	-BG	-BG	-BG	0.009	0.009	-BG	0.009
N,N-DiDesvenlafaxin	1M14	µg/L	0.01	2	1	0.063	0.034	0.063	0.034	0.071	0.071	-BG	0.071
O,N-DiDesvenlafaxin	1M14	µg/L	0.005	2	1	0.007	0.005	0.007	0.005	0.005	0.005	-BG	0.005
Verpamil	1M14	µg/L	0.001	2	-	-	-BG	-BG	-BG	0.009	0.009	-BG	-BG
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0.001	2	2	0.053	0.067	0.080	0.067	0.089	0.089	0.067	0.089
4-Formyl-Aminoantipyrin	1M14	µg/L	0.002	2	2	0.027	0.036	0.045	0.036	0.038	0.038	0.029	0.038

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKSr-Konvention angepasst)

K: Stundennittelwerte
1M: Tagemischprobe
7M: Mischprobe über 7 Tage
14M: Mischprobe über 14 Tage
28M: Mischprobe über 28 Tage
1M14: 24h-Mischprobe alle 14 Tage
E28: Momentanprobe alle 28 Tage
** Angaben nur, wenn BG überschritten

n: Anzahl der Messungen
n-BG: Anzahl der Messungen grösser analyt. Bestimmungsgrenze (BG)
Min: Minimum
Mittel: arithmetischer Mittelwert
Max: Maximum

Kurzbeurteilung:
Grundgrößen: normal
Abwasserinhaltsstoffe: normal
Pflanzennährstoffe: normal
Sätze: gefährliche Stoffe: keine
 arzneifähige Stoffe: keine
Gesamtzustand: gut



Besondere Vorkommnisse:
(z. B. Störfälle)

Nein

Gruppe	Kenngrösse	Proben-art	Dimen-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen		
					n	n>BG	Min	Mittel	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV	
Grundgrössen (S3)	Temperatur	K	°C				5.5		8.7						
	pH	K					7.94		8.09						
	Sauerstoff	K	mg/l				11.1		13.7						
	Leitfähigkeit	K	µS/cm				350		431						
Abwasserinhaltsstoffe	DOC	14M/E14	mg/l	0.1			1.71	1.99	2.44	1.99	1.76				
	TOC	14M	mg/l	0.1			2.44	2.67	2.90	2.51	2.13				
	SAK254	1M14	1/m	0.03			4.73	6.41	8.096	5.81	4.17				
	SAK436	1M14	1/m	0.03			0.263	0.386	0.509	0.44	0.23				
	Ammonium N	1M14/E14	mg/l	0.01			0.043	0.048	0.062	0.033	0.050	0.2			
	Nitrit N	E14	mg/l	0.004			0.013	0.014	0.015	0.014	0.014				
	Kieselsäure_Si	14M/E14	mg/l	0.1			1.60	1.77	2.01	1.55	1.26				
	Borat	E28	µg B/L	10			14	14	14	16	17				
	Alkalinität (bis pH 4.5)	14M	mMol H ⁺	0.1			3.00	3.05	3.09	2.88	2.75				
	Gesamthärte	14M	DH°				9.9	10.1	10.2	9.4	9.2				
Kationen	Karbonathärte	14M	DH°				8.5	8.7	8.8	8.2	7.9				
	Calcium	14M	mg/l	7			57.9	59.2	60.5	54.7	53.0				
	Kalium	14M	mg/l	0.5			1.9	1.9	1.91	1.8	1.9				
	Magnesium	14M	mg/l	1			7.8	7.8	7.8	7.5	7.8				
	Natrium	14M	mg/l	2			8.6	9.9	11.3	7.6	10.0				
Pflanzennährstoffe	Nitrat_N	14M	mg/l	0.06			1.58	1.66	1.74	1.33	1.33				
	o-Phosphat_P	14M/E14	mg/l	0.003			0.017	0.023	0.036	0.018	0.014				
	Gesamtposphor_P	14M	mg/l	0.003			0.0366	0.041	0.046	0.034	0.030	0.15			
	Gesamstickstoff	14M/E14	mg/l	0.01			1.56	1.70	1.888	1.43	1.49				
Salze	Bromid	14M	mg/l	0.01			0.070	0.074	0.079	0.081	0.128				
	Chlorid	14M	mg/l	1.5			11.7	14.4	17.1	10.1	13.2				
	Fluorid	14M	mg/l	0.03			0.087	0.091	0.094	0.086	0.090				
	Sulfat	14M	mg/l	2.5			22.8	23.9	25.1	23.8	27.8				
	DTPA	28M	µg/l	0.5			-	<BG		<BG	0.47				
Komplexbildner	EDTA	28M	µg/l	0.5			1.12	1.12	1.12	1.0	1.3				
	NTA	28M	µg/l	0.5			0.72	0.72	0.72	0.7	0.9				
Gefährliche Stoffe	Schwermetalle (gesamt)	Arsen	14M	µg/l	0.5			0.79	0.80	0.82	0.82	0.87			
		Blei	14M	µg/l	0.1			0.25	0.53	1	0.25	0.29			
		Cadmium	14M	µg/l	0.02				<BG		<BG	<BG			
		Chrom	14M	µg/l	0.2			0.26	0.35	0.51	0.25	0.27			
		Kupfer	14M	µg/l	0.5			1	1.17	1.4	1.05	1.14			
		Nickel	14M	µg/l	0.5			0.66	0.81	0.99	0.63	0.62			
		Quecksilber	14M	µg/l	0.005			-	<BG		<BG	<BG			
		Zink	14M	µg/l	1			1.7	2.4	3.4	1.2	1.5			
		Schwermetalle (gelöst)	Arsen	E28	µg/l	0.5			0.80	0.80	0.80	0.8	0.8		
			Blei	E28	µg/l	0.1			0.23	0.23	0.23	0.1	0.1		
	Cadmium		E28	µg/l	0.02			<BG	<BG		<BG	<BG			
	Summenkenngrössen	Chrom	E28	µg/l	0.5			0.46	0.46	0.46	<BG	<BG			
		Kupfer	E28	µg/l	0.5			1.5	1.5	1.5	0.64	0.93			
Nickel		E28	µg/l	0.5			0.79	0.79	0.79	0.58	0.51				
Quecksilber		E28	µg/l	0.005			<BG	<BG		<BG	<BG				
Zink		E28	µg/l	1			1.6	1.6	1.6	<BG	<BG				
GUS	14M	mg/l	0.1			3.6	9.3	15	9.9	8.2					

Gruppe	Kenngrösse	Proben-art	Dimer-sion	Bestim-mungs-grenze	aktuelle Monatswerte				Vergleichswerte		Zielvorgaben IKSR		Bemerkungen	
					n	n>BG	Min	Mittel IKSR	Max	Vormonat Mittel IKSR	2011 Mittel nach IKSR	Zielvor-gabe		Messwert(e) grösser ZV
gefährliche Stoffe LCKW**	1,1-Dichlorethen	1M	µg/l	0.02	31	-	<BG	<BG	<BG	<BG	0.010			
	1,2-Dichlorbenzol	1M	µg/l	0.04	31	-	<BG	<BG	<BG	<BG	0.021			
	1,1,1-Trichlorethen	1M	µg/l	0.001	31	31	0.001	0.002	0.003	0.002	0.004			
	Bromoform	1M	µg/l	0.01	31	-	<BG	<BG	<BG	0.006	0.017			
	Chloroform	1M	µg/l	0.05	31	31	0.020	0.027	0.036	0.032	0.031	0.6		
	Dichlormethan	1M	µg/l	0.04	31	3	0.041	0.04	0.092	0.040	0.023			
	Hexachlorethen	1M	µg/l	0.0004	31	23	0.0004	0.0005	0.010	0.001	0.001			
	Tetrachlorethen	1M	µg/l	0.001	31	31	0.013	0.019	0.027	0.020	0.028	1.0		
	Tetrachlormethan	1M	µg/l	0.001	31	31	0.002	0.003	0.006	0.003	0.003			
	Trichlorethen	1M	µg/l	0.001	31	31	0.003	0.005	0.010	0.005	0.004			
	Summe halogenierte	1M	µg/l		31	31	0.039	0.062	0.135	0.089	0.070			
	Pestizide und org. Einzelstoffe**	Alachlor	1M	µg/l	0.005	31	5	0.0050	0.003	0.0050	<BG	0.003	0.1	
		Atrazin	1M	µg/l	0.005	31	31	0.0060	0.011	0.0600	0.010	0.021	0.1	
		DEET	1M	µg/l	0.005	31	31	0.0050	0.006	0.0080	0.004	0.006		
		Desethylatrazin	1M	µg/l	0.005	31	3	0.005	0.003	0.006	0.003	0.003		
		Desethylterbutylazin	1M	µg/l	0.005	31	-	<BG	<BG	<BG	<BG	0.006		
		Desisopropylazin	1M	µg/l	0.01	31	-	<BG	<BG	<BG	<BG	0.006	0.02	
		Diazinon	1M	µg/l	0.005	31	15	0.0100	0.009	0.0160	0.007	0.007		
		2,6-Dichlorbenzamid	1M	µg/l	0.01	31	27	0.0050	0.009	0.0210	0.007	0.010	0.1	
		Metolachlor	1M	µg/l	0.005	31	-	<BG	<BG	<BG	<BG	0.004		
		Penconazol	1M	µg/l	0.005	31	-	<BG	<BG	<BG	<BG	0.003	0.06	
		Simazin	1M	µg/l	0.005	31	4	0.005	0.003	0.006	0.003	0.005		
		Terbutylazin	1M	µg/l	0.005	2	-	<BG	<BG	<BG	0.006	0.014		
		Mecoprop	1M14	µg/l	0.001	2	2	0.003	0.008	0.013	0.014	0.001		
		Chlorotoluron	1M14	µg/l	0.001	2	2	0.005	0.006	0.006	0.006	0.006		
		Diuron	1M14	µg/l	0.001	2	2	0.004	0.007	0.009	0.013	0.005		
		Isoproturon	1M14	µg/l	0.003	2	-	<BG	<BG	<BG	<BG	0.005		
		4-Isopropylanilin	1M14	µg/l	0.01	2	-	<BG	<BG	<BG	0.007	0.005		
		Metazachlor [ESA]	1M14	µg/l	0.001	2	2	0.003	0.008	0.013	0.008	-		
		Metolachlor	1M14	µg/l	0.001	2	2	0.018	0.019	0.019	0.016	0.009		
		Metolachlor (ESA)	1M14	µg/l	0.005	2	2	<BG	<BG	<BG	0.005	0.008		
		Metolachlor (OXA)	1M14	µg/l	0.01	2	1	0.007	0.004	0.007	0.003	0.006		
		Metolachlor-Morpholinon	1M14	µg/l	0.001	2	1	0.125	0.064	0.125	<BG	0.003		
Alachlor [OXA]		1M14	µg/l	0.005	2	-	<BG	<BG	<BG	<BG	0.005			
Azoxystrobin-säure		1M14	µg/l	0.01	2	-	<BG	<BG	<BG	<BG	0.005			
MCPA		1M14	µg/l	0.001	2	2	0.004	0.005	0.005	0.006	0.007			
Carbendazim		1M14	µg/l	0.001	2	2	<BG	<BG	<BG	<BG	0.010			
Cyproconazol		1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	0.006			
Desamino-Metamitron		1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	0.004			
Dimethachlor-ESA		1M14	µg/l	0.001	2	-	<BG	<BG	<BG	0.003	0.001			
2,4-Dimethylphenylformamid		1M14	µg/l	0.01	2	-	<BG	<BG	<BG	<BG	0.005			
Dinoseb		1M14	µg/l	0.001	2	2	0.003	0.003	0.003	0.004	0.002			
2-Hydroxyatrazin		1M14	µg/l	0.001	2	-	<BG	<BG	<BG	0.002	0.001			
2-Hydroxysimazin		1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	0.004			
Pyrimicarb	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	0.013	0.004				
Pyrimidinol	1M14	µg/l	0.001	2	-	<BG	<BG	<BG	<BG	0.004				
Propachlor-ESA	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	<BG	0.005				
Propiconazol	1M14	µg/l	0.01	2	-	<BG	<BG	<BG	<BG	0.005				
N,N-Dimethyl-N-(4-Methylphenyl)-Sulfamid	1M14	µg/l	0.001	2	1	0.009	0.005	0.009	<BG	-				
Tebupiram	1M14	µg/l	0.001	2	1	0.001	0.001	0.001	<BG	-				
2-Chloranilin	1M14	µg/l	0.02	2	-	<BG	<BG	<BG	<BG	0.025				
2-Chlornitrobenzol	1M14	µg/l	0.02	2	-	<BG	<BG	<BG	<BG	0.012				
Perfluoroctansulfonsäure	1M28	µg/l	0.005	2	-	<BG	<BG	<BG	<BG	0.005				
N-(4-Aminophenyl)-N-Methyl-Acetalamid	1M14	µg/L	0.025	2	-	<BG	<BG	<BG	<BG	0.015				
N-Methyl-N-Phenyl-Acetalamid	1M14	µg/L	0.005	2	-	<BG	<BG	<BG	<BG	0.005				
Benzothiazol	1M14	µg/L	0.025	2	1	0.060	0.036	0.060	<BG	0.080				
Benzothiazol	1M14	µg/l	0.005	2	2	0.179	0.181	0.182	0.194	0.254				
5-Methyl-Benzotriazol	1M14	µg/l	0.005	2	2	0.081	0.103	0.124	0.094	0.254				
2-Naphthalinsulfonsäure	1M14	µg/l	0.005	2	2	0.007	0.022	0.036	0.018	0.038				
2,7-Naphthalindisulfonsäure	1M14	µg/l	0.005	2	-	<BG	<BG	<BG	<BG	0.233				
Triphenylphosphinoxid	1M14	µg/l	0.01	2	-	<BG	<BG	<BG	0.138	-				

Arzneimittel-Wirkstoffe und Melaliole	1M	µg/l	0.05	31	-	0.024	<BG	0.056	0.04	0.10
Diglyme	1M	µg/l	0.01	2	31	0.024	<BG	0.056	0.04	0.10
Galaxolid	1M	µg/l	0.02	2	31	0.024	<BG	0.056	0.03	0.03
Galaxolidon	1M14	µg/l	0.01	2	-	-	<BG	-	<BG	0.01
Tonalid	1M	µg/l	0.01	31	-	-	<BG	-	<BG	0.01
Surfynol 104	1M	µg/l	0.025	31	28	0.027	0.056	0.094	0.04	0.19
Acetulfarn	1M14	µg/l	0.01	2	2	0.356	0.516	0.675	0.63	0.27
Cyclohexylsulfamidssäure	1M14	µg/l	0.01	2	2	0.020	0.042	0.063	0.12	0.02
Saccharin	1M14	µg/l	0.01	2	2	0.034	0.041	0.048	0.09	0.02
Sucralose	1M14	µg/l	0.01	2	2	0.024	0.040	0.055	0.035	0.083
Coffein	1M	µg/l	0.01	31	31	0.041	0.096	0.186	0.083	0.090
Amisulprid	1M14	µg/L	0.001	2	2	0.003	0.004	0.004	0.004	0.001
Atenolol	1M14	µg/L	0.005	2	2	0.007	0.009	0.010	<BG	0.010
Atenololsäure	1M14	µg/L	0.003	2	2	0.039	0.042	0.045	0.042	0.058
Azithromycin	1M14	µg/L	0.001	2	1	0.001	0.001	0.001	0.001	0.001
Cardesartan	1M14	µg/L	0.001	2	2	0.006	0.008	0.009	0.015	0.003
Carbamazepin	1M14	µg/L	0.001	2	2	0.011	0.015	0.019	0.022	0.031
Carbamazepin-10,11-Epoxid	1M14	µg/L	0.001	2	1	0.003	0.002	0.003	0.005	0.003
Carbamazepin-10,11-Dihydro-10,11-Dihydroxy	1M14	µg/L	0.001	2	2	0.013	0.018	0.022	0.031	0.041
Cefirizih	1M14	µg/L	0.001	2	-	-	<BG	-	<BG	0.009
Clarithromycin	1M14	µg/L	0.001	2	2	0.006	0.006	0.006	0.006	0.007
Climbazol	1M14	µg/L	0.001	2	-	-	<BG	-	0.005	0.003
Clopidogrelsäure	1M14	µg/L	0.005	2	-	-	<BG	-	0.006	0.004
Codein	1M14	µg/L	0.01	2	-	-	<BG	-	0.012	0.005
D617	1M14	µg/L	0.005	2	-	-	<BG	-	<BG	0.012
Diclofenac	1M14	µg/L	0.005	2	2	0.017	0.023	0.028	0.035	0.022
Eprosartan	1M14	µg/L	0.01	2	-	-	<BG	-	<BG	0.005
4-(Trifluormethyl)Phenol	1M14	µg/L	0.001	2	2	0.010	0.042	0.073	0.056	0.026
Gabapentin	1M14	µg/L	0.01	2	2	0.022	0.039	0.055	0.037	0.064
Hydrochlorthiazid	1M14	µg/L	0.01	2	2	0.019	0.023	0.027	0.029	-
Iohexol	1M14	µg/L	0.005	2	-	-	<BG	-	<BG	0.007
Iopromid	1M14	µg/L	0.005	2	-	-	<BG	-	<BG	0.140
Lamotrigin	1M14	µg/L	0.005	2	2	0.009	0.012	0.015	0.018	0.018
Levetiracetam	1M14	µg/L	0.005	2	2	0.013	0.014	0.014	0.011	0.013
Lidocain	1M14	µg/L	0.001	2	2	0.003	0.004	0.004	0.006	<BG
Losartan	1M14	µg/L	0.001	2	2	0.009	0.012	0.015	0.011	0.002
Metformin	1M14	µg/L	0.005	2	2	0.225	0.268	0.310	0.231	0.448
Methyprednisolon	1M14	µg/L	0.005	2	1	0.007	0.005	0.007	<BG	-
Metoprolol	1M14	µg/L	0.001	2	2	0.008	0.010	0.011	0.013	0.015
Moclobemid	1M14	µg/L	0.001	2	-	-	<BG	-	<BG	0.004
Oxacetapam	1M14	µg/L	0.001	2	2	0.004	0.008	0.012	0.008	0.003
Paracetamol	1M14	µg/L	0.01	2	-	-	<BG	-	0.003	0.001
Phenazon	1M14	µg/L	0.001	2	1	0.079	0.042	0.079	0.041	0.012
Propranolol	1M14	µg/L	0.005	2	1	0.001	0.001	0.001	0.001	0.001
Stigapiprin	1M14	µg/L	0.001	2	-	-	<BG	-	<BG	0.004
Sotalol	1M14	µg/L	0.01	2	2	0.005	0.008	0.011	0.011	0.002
Sulfamethoxazol	1M14	µg/L	0.005	2	-	-	<BG	-	<BG	0.010
Trimehoprim	1M14	µg/L	0.001	2	1	0.012	0.007	0.012	0.013	0.018
Valsartan	1M14	µg/L	0.005	2	2	0.002	0.003	0.003	0.004	0.002
Valsartansäure	1M14	µg/L	0.005	2	2	0.023	0.029	0.035	0.034	0.040
Venlafaxin	1M14	µg/L	0.005	2	2	0.011	0.013	0.014	0.030	0.010
N-Desvenlafaxin	1M14	µg/L	0.005	2	2	0.005	0.006	0.007	0.008	0.016
N,N-Didesvenlafaxin	1M14	µg/L	0.01	2	-	-	<BG	-	<BG	0.009
O,N-Didesvenlafaxin	1M14	µg/L	0.005	2	2	0.020	0.068	0.116	0.034	0.071
Verpamil	1M14	µg/L	0.001	2	1	0.006	0.006	0.006	0.005	0.005
N-Acetyl-4-Aminoantipyrin	1M14	µg/L	0.001	2	1	0.005	0.003	0.005	<BG	0.009
4-Formyl-Aminoantipyrin	1M14	µg/L	0.002	2	2	0.060	0.073	0.086	0.067	0.089
				2	2	0.022	0.030	0.037	0.036	0.038

Erläuterungen: (Die Bezeichnungen der Muster wurden der IKS-R-Konvention angepasst)

K: Stundenmittelwerte

1M: Tagesmischprobe

7M: Mischprobe über 7 Tage

14M: Mischprobe über 14 Tage

28M: Mischprobe über 28 Tage

1M14: 24h-Mischprobe alle 14 Tage

E28: Momentanprobe alle 28 Tage

** Angaben nur, wenn BG überschritten

n: Anzahl der Messungen

n>BG: Anzahl der Messungen grösser analyt. Bestimmungsgrenze (BG)

Min: Minimum

Mittel: arithmetischer Mittelwert

Max: Maximum

Kurzbeurteilung:

Grundgrössen: normal

Abwasserinhaltsstoffe: normal

Pflanzennährstoffe: normal

Salze: keine

gefährliche Stoffe: keine

artfremde Stoffe: keine

Gesamtzustand: gut