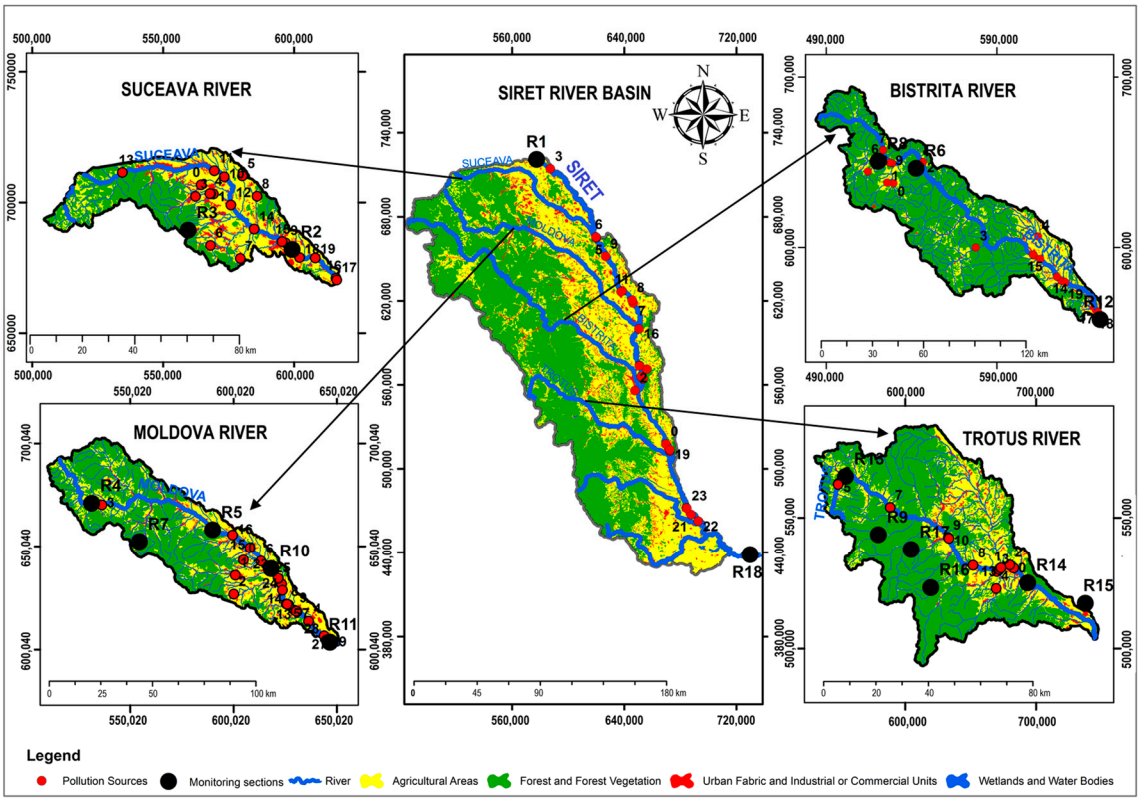


Figure S1. Location of the pollutions sources and water quality monitoring stations.

Table S1. Industrial pollution sources type within Siret river basin.

River basin	Pollutions source type/description	Total pollution sources (no)	Location (see Fig.S1)
Suceava river basin	0 - Production of Meat and Poultry Meat Products	19	Upstream R2
	1, 10, 13 - Manufacture of Other Products of Wood; Manufacture of Articles		
	2 - Cutting, Shaping and Finishing of Stone		
	3, 4 - Operation of Gravel and Sand Pits; Mining of Clays and Kaolin		
	9, 11 - Construction of Roads and Motorways		
	12 - Construction of Residential and Non-Residential Buildings		
	14 - Development of Building Projects; Construction of Roads and Bridges; Construction of Utility Projects for Fluids		
	15 - Manufacture of Corrugated Paper and Paperboard and of Container		
Moldova river basin	3 - Construction of Roads and Motorways	29	Upstream R5
	0 - Retail Sale Via Mail Order Houses Or Via Internet		Upstream R10
	6, 20 - Construction of Residential and Non-Residential Buildings		
	6, 15, 16, 23 - Operation of Gravel and Sand Pits; Mining of Clays and Kaolin		
	21 - Freight Transport by Road		
	25 - Construction of Roads and Motorways		
	4, 5, 18 - Manufacture of Ready-Mixed Concrete		Upstream R11
	8, 28 - Construction of Residential and Non-Residential Buildings		
	7, 9, 12, 13, 14, 17, 19, 24, 27 - Operation of Gravel and Sand Pits; Mining of Clays and Kaolin		
	26 - Manufacture of Tubes, Pipes, Hollow Profiles and Related Fittings		
	29 - Manufacture of Sugar		
Bistrita river basin	0 - Manufacture of Soft Drinks; Production of Mineral Waters	19	Upstream R6
	1 - Manufacture of Other Food Products N.E.C.		
	2 - Mining of Uranium Ore		
	7 - Mining of Other Non-Ferrous Metal Ores		
	8 - Distribution of gaseous fuels through mains		
	9 -Sawmilling and Planning of Wood		
	5, 10 - Manufacture of Soft Drinks; Production of Mineral Waters		Upstream R8
	6 - Operation of Dairies and Cheese Making		
	4 - Construction of Roads and Motorways		Upstream R12
	11 - Preparation and Spinning of Textile Fibres		
	12 - Manufacture of Man-Made Fibres		
	13 - Manufacture of Articles of Concrete, Cement and Plaster		
	14, 17, 18 , 19 - Operation of Gravel and Sand Pits; Mining of Clays and Kaolin		
	16 - Construction of Residential and Non-Residential Buildings		
	15 - Construction of Roads and Bridges; Construction of Utility Projects for Fluids		
Trotus river basin	5 - Logging		Upstream R13
	6 - Operation of Dairies and Cheese Making		

River basin	Pollutions source type/description	Total pollution sources (no)	Location (see Fig.S1)
	0, 1 - Manufacture of Chemicals and Chemical Products	13	Upstream R14 and R15
	2 - Oil refinery		
	3 - Manufacture of Textile		
	4 - Retail Sale of Meat and Meat Products in Specialised Stores		
	7 - Construction of Roads and Motorways		
	8 - Manufacture of Furniture		
	9 - Operation of Gravel and Sand Pits; Mining of Clays and Kaolin		
	10 - Manufacture of Refined Petroleum Products		
	11 - Support Activities for Crop Production		
	12 - Manufacture of Agricultural and Forestry Machinery		
	13 - Sawmilling and Planking of Wood		
Siret river basin	0 - carton manufacture of Corrugated Paper and Paperboard and of Container	23	Upstream R18
	1 - Manufacture of Wine from Grape		
	2 - Processing and Preserving of Meat		
	4, 6, 9, 17 - Construction of Roads and Motorways		
	5, 20 - Construction of Residential and Non-Residential Buildings		
	7 - Processing and Preserving of Meat		
	8, 10, 14, 15, 16, 19, 21, 22, - Operation of Gravel and Sand Pits; Mining of Clays and Kaolin		
	11 - Support Activities for Other Mining and Quarrying		
	12 – Bird slaughterhouse		
	13 - Construction of Roads and Bridges; Construction of Utility Projects for Fluids		
	18 - Support Activities for Other Mining and Quarrying		
	23 - Cutting, Shaping and Finishing of Stone		

R1- river section 1 on the border with Ukraine;

R3, R4, R7, R9, R16, R17 – river sections directly exposed to the agricultural activities;

R3 – river section proposed for the water drinking abstraction;

R18 – river section 18 at the entrance to the Danube river, Romanian teritory.

Table S2. Annual average of measured concentrations for the inorganic and organic priority pollutants, in the monitored river sections (R1-R18), for the period 2015–2020.

River section	Quality indicators	MAC* (µg/L)	AT** (µg/L)	Annual average concentration (µg/L)					
				2015	2016	2017	2018	2019	2020
River section R1	As	7.2000	5.0400	0.6885	0.8127	0.9039	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0750	0.0750	0.0819	0.2931	0.0601	0.0750
	Hg	0.0700	0.0490	0.0320	0.0138	0.0219	0.0318	0.0100	0.0082
	Ni	4.0000	2.8000	6.6060	3.5081	6.2248	11.1260	0.0694	8.2631
	Pb	1.2000	0.8400	1.4703	0.7253	0.9131	0.6933	0.0225	0.5999
	Naphtalene	2.0000	1.4000	0.0053	0.0157	0.1179	0.0275	0.0021	0.0057
	Phenanthrene	0.0300	0.0210	0.0235	0.0135	0.0346	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0022	0.0020	0.0021	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0014	0.0005	0.0005	0.0005	0.0005
	Bz(a)anthracene	0.0002	0.0001	0.0003	0.0016	0.0005	0.0000	0.0001	0.0000
	Bz(b)fluoranthene	0.0170	0.0119	0.0003	0.0019	0.0005	0.0003	0.0006	0.0008
	Bz(k)fluoranthene	0.0170	0.0119	0.0003	0.0019	0.0005	0.0003	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0003	0.0016	0.0005	0.0000	0.0005	0.0006
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0017	0.0005	0.0003	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0017	0.0005	0.0000	0.0005	0.0007
	Di-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	0.3050	0.3987	0.2675	0.2500	0.5267	1.2941
River section R2	As	7.2000	5.0400	0.3570	0.5900	1.3087	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0100	0.0500	0.0750	0.0500	0.0050	0.1241
	Hg	0.0700	0.0490	0.0480	0.0050	0.0220	0.0173	0.0050	0.0000
	Ni	4.0000	2.8000	0.6000	2.8995	9.0023	0.6000	0.6000	8.1413
	Pb	1.2000	0.8400	0.3000	1.3955	0.8043	0.3000	0.2000	0.5835
	Naphtalene	2.0000	1.4000	0.0031	0.0086	0.0474	0.0053	0.0061	0.0010
	Phenanthrene	0.0300	0.0210	0.0228	0.0227	0.0282	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0034	0.0038	0.0021	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0000	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0003	0.0005	0.0009
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0003	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0003	0.0032	0.0005	0.0000	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0005	0.0003	0.0005	0.0008
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0000	0.0005	0.0005
	DI-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	0.6440	0.1500	0.4183	0.3938	0.4062	0.4897
River section R3	As	7.2000	5.0400	0.6624	0.7163	0.6328	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0750	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0272	0.0100	0.0198	0.0205	0.0050	0.0050
	Ni	4.0000	2.8000	8.0110	5.5258	9.1638	14.8500	8.1550	9.4848
	Pb	1.2000	0.8400	2.5493	1.8060	0.8355	2.2440	0.5000	0.6898
	Naphtalene	2.0000	1.4000	0.0030	0.0044	0.0713	0.0330	0.0050	0.0010

River section	Quality indicators	MAC* (μg/L)	AT** (μg/L)	Annual average concentration (μg/L)					
				2015	2016	2017	2018	2019	2020
	Phenanthrene	0.0300	0.0210	0.0101	0.0121	0.0178	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0015	0.0024	0.0012	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0005	0.0023	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0005	0.0037	0.0005	0.0001	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0005	0.0033	0.0005	0.0005	0.0005	0.0005
	Bz(k)Fluoranthene	0.0170	0.0119	0.0005	0.0033	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0005	0.0026	0.0005	0.0001	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0005	0.0029	0.0005	0.0005	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0005	0.0030	0.0005	0.0001	0.0005	0.0005
River section R4	As	7.2000	5.0400	0.5110	0.8830	0.9068	1.0000	1.0000	0.0100
	Cd	0.0800	0.0560	0.0500	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0420	0.0260	0.0168	0.0260	0.0050	0.0050
	Ni	4.0000	2.8000	0.6000	3.3395	8.4008	5.2340	4.1203	6.5130
	Pb	1.2000	0.8400	0.3000	2.4840	1.6753	1.1870	0.8685	1.8650
	Naphtalene	2.0000	1.4000	0.0005	0.0110	0.1163	0.0008	0.0020	0.0012
	Phenanthrene	0.0300	0.0210	0.0003	0.0098	0.0274	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0005	0.0022	0.0020	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0128	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0018	0.0005	0.0005	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0022	0.0005	0.0005	0.0005	0.0005
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0022	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0018	0.0005	0.0005	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0020	0.0005	0.0005	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0021	0.0005	0.0005	0.0005	0.0005
River section R5	As	7.2000	5.0400	0.7945	0.6845	0.8345	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.1006	0.0750	0.0750	0.0750	0.1150	0.0864
	Hg	0.0700	0.0490	0.0310	0.0203	0.0228	0.0290	0.0050	0.0050
	Ni	4.0000	2.8000	5.8548	4.2199	8.6893	13.2300	6.0626	10.0685
	Pb	1.2000	0.8400	2.5430	2.7403	0.8198	0.5000	0.7090	1.2036
	Naphtalene	2.0000	1.4000	0.0075	0.0067	0.0919	0.0075	0.0046	0.0012
	Phenanthrene	0.0300	0.0210	0.0169	0.0055	0.0003	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0034	0.0030	0.0014	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0005	0.0019	0.0005	0.0003	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0005	0.0034	0.0005	0.0000	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0005	0.0044	0.0005	0.0003	0.0005	0.0006
	Bz(k)Fluoranthene	0.0170	0.0119	0.0005	0.0044	0.0005	0.0003	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0005	0.0034	0.0005	0.0000	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0005	0.0039	0.0005	0.0003	0.0005	0.0006
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0005	0.0039	0.0005	0.0000	0.0005	0.0005
River section R6	As	7.2000	5.0400	0.5120	0.7354	1.5125	1.0000	1.0000	0.0100
	Cd	0.0800	0.0560	0.0750	0.0750	0.0750	0.0750	0.1150	0.0750
	Hg	0.0700	0.0490	0.0300	0.0239	0.0270	0.0210	0.0050	0.0050

River section	Quality indicators	MAC* (μg/L)	AT** (μg/L)	Annual average concentration (μg/L)					
				2015	2016	2017	2018	2019	2020
	Ni	4.0000	2.8000	1.9149	3.6733	6.0535	10.1900	6.0626	3.0590
	Pb	1.2000	0.8400	2.7895	1.8413	1.0253	0.5000	0.7090	1.4140
	Naphtalene	2.0000	1.4000	0.0040	0.0313	0.0234	0.0107	0.0046	0.0010
	Phenanthrene	0.0300	0.0210	0.0114	0.0125	0.0034	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0020	0.0061	0.0008	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0005	0.0022	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0005	0.0025	0.0005	0.0000	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0005	0.0031	0.0005	0.0003	0.0005	0.0005
	Bz(k)Fluoranthene	0.0170	0.0119	0.0005	0.0031	0.0005	0.0003	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0005	0.0025	0.0005	0.0000	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0005	0.0028	0.0005	0.0003	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0005	0.0028	0.0005	0.0000	0.0005	0.0005
River section R7	As	7.2000	5.0400	0.5390	0.4198	1.3803	1.0000	0.6000	1.0000
	Cd	0.0800	0.0560	0.0500	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0430	0.0258	0.0185	0.0085	0.0050	0.0000
	Ni	4.0000	2.8000	0.6000	5.4745	8.4573	12.8400	4.3375	8.8163
	Pb	1.2000	0.8400	0.3000	1.1580	2.3975	0.5000	1.3325	1.3273
	Naphtalene	2.0000	1.4000	0.0005	0.1011	0.1138	0.0008	0.0008	0.0023
	Phenanthrene	0.0300	0.0210	0.0003	0.0155	0.0068	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0003	0.0040	0.0016	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0040	0.0010	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0001	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0005	0.0005	0.0005
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0003	0.0032	0.0005	0.0001	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0005	0.0005	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0001	0.0005	0.0005
River section R8	As	7.2000	5.0400	0.6360	0.5083	0.9034	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0500	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0400	0.0209	0.0249	0.0090	0.0050	0.0050
	Ni	4.0000	2.8000	3.2448	2.8283	6.4713	9.1095	3.8768	6.5894
	Pb	1.2000	0.8400	2.7977	2.5174	0.7291	1.9551	0.6020	1.0830
	Naphtalene	2.0000	1.4000	0.0059	0.0080	0.1466	0.0055	0.0008	0.0035
	Phenanthrene	0.0300	0.0210	0.0121	0.0155	0.0309	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0023	0.0027	0.0036	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0005	0.0024	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0005	0.0025	0.0005	0.0001	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0005	0.0031	0.0005	0.0005	0.0005	0.0006
	Bz(k)Fluoranthene	0.0170	0.0119	0.0005	0.0031	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0005	0.0025	0.0005	0.0001	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0005	0.0028	0.0005	0.0005	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0005	0.0028	0.0005	0.0001	0.0005	0.0005

River section	Quality indicators	MAC* (μg/L)	AT** (μg/L)	Annual average concentration (μg/L)					
				2015	2016	2017	2018	2019	2020
River section R9	As	7.2000	5.0400	0.0500	0.8803	0.9833	1.0000	1.0000	1.1460
	Cd	0.0800	0.0560	0.0750	0.0750	0.0750	0.0750	0.0750	0.2068
	Hg	0.0700	0.0490	0.0010	0.0275	0.0126	0.0050	0.0113	0.0116
	Ni	4.0000	2.8000	1.2625	6.5030	2.5096	1.4558	3.2765	3.5881
	Pb	1.2000	0.8400	0.3878	1.9875	1.2915	0.4368	0.5278	0.7704
	Naphtalene	2.0000	1.4000	0.0005	0.0052	0.1120	0.0047	0.0077	0.0253
	Phenanthrene	0.0300	0.0210	0.0003	0.0103	0.0339	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0003	0.0029	0.0032	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0001	0.0001	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0005	0.0005	0.0009
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0005	0.0005	0.0006
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0001	0.0001	0.0004
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0005	0.0005	0.0005	0.0006
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0001	0.0001	0.0005
River section R10	As	7.2000	5.0400	0.3737	0.5253	0.8595	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.1533	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0388	0.0353	0.0348	0.0300	0.0287	0.0074
	Ni	4.0000	2.8000	1.4867	1.3324	4.4925	2.9092	1.0000	1.0000
	Pb	1.2000	0.8400	0.2960	0.4773	0.9439	0.3330	0.5000	0.5000
	Naphtalene	2.0000	1.4000	0.0033	0.0266	0.1088	0.0259	0.0068	0.0027
	Phenanthrene	0.0300	0.0210	0.0127	0.0131	0.0257	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0024	0.0024	0.0019	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0005	0.0021	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0005	0.0024	0.0005	0.0001	0.0005	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0005	0.0030	0.0005	0.0005	0.0005	0.0005
	Bz(k)Fluoranthene	0.0170	0.0119	0.0005	0.0030	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0005	0.0024	0.0005	0.0001	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0005	0.0027	0.0005	0.0005	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0005	0.0027	0.0005	0.0001	0.0005	0.0005
River section R11	As	7.2000	5.0400	0.7970	0.9158	0.8820	1.7600	1.0000	1.0000
	Cd	0.0800	0.0560	0.0050	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0155	0.0135	0.0201	0.0140	0.0050	0.0000
	Ni	4.0000	2.8000	1.8200	2.2355	2.5841	2.5517	1.0000	1.3757
	Pb	1.2000	0.8400	0.0660	0.3000	0.8258	0.6100	0.5000	0.4167
	Naphtalene	2.0000	1.4000	0.0009	0.0044	0.0005	0.0005	0.0005	-
	Phenanthrene	0.0300	0.0210	0.0049	0.0078	0.0003	0.0003	0.0003	-
	Fluoranthene	0.0063	0.0044	0.0010	0.0018	0.0005	0.0005	0.0005	-
	Anthracene	0.1000	0.0700	0.0003	0.0016	0.0003	0.0003	0.0003	-
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0018	0.0000	0.0000	0.0000	-
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0022	0.0003	0.0003	0.0003	-
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0022	0.0003	0.0003	0.0003	-

River section	Quality indicators	MAC* (µg/L)	AT** (µg/L)	Annual average concentration (µg/L)					
				2015	2016	2017	2018	2019	2020
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0018	0.0000	0.0000	0.0000	-
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0020	0.0003	0.0003	0.0003	-
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0020	0.0000	0.0000	0.0000	-
	di-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	0.9500	0.2500	0.2500	0.5250	0.7145	0.5021
River section R12	As	7.2000	5.0400	1.4350	1.3700	1.4015	1.0000	1.6780	1.0000
	Cd	0.0800	0.0560	0.0450	0.0500	0.0750	0.0750	0.0750	0.2552
	Hg	0.0700	0.0490	0.0110	0.0050	0.0178	0.0068	0.0050	0.0000
	Ni	4.0000	2.8000	1.9420	1.9220	2.8523	2.1408	0.9122	1.3385
	Pb	1.2000	0.8400	0.1560	0.3000	1.9434	0.3333	0.4500	0.5000
	Naphtalene	2.0000	1.4000	0.0040	0.0256	0.0962	0.0229	0.0026	0.0072
	Phenanthrene	0.0300	0.0210	0.0110	0.0105	0.0287	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0020	0.0044	0.0021	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0005	0.0005	0.0005	0.0005
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0001	0.0005	0.0000
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0005	0.0005	0.0007
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0019	0.0005	0.0001	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0005	0.0005	0.0005	0.0023
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0001	0.0005	0.0005
	di-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	0.6850	0.2500	0.4114	0.4023	0.5250	1.0602
River section R13	As	7.2000	5.0400	1.1640	0.4533	0.7573	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0240	0.0750	0.0750	0.0954	0.0750	0.0953
	Hg	0.0700	0.0490	0.0490	0.0145	0.0198	0.0066	0.0050	0.0000
	Ni	4.0000	2.8000	1.3300	1.9783	2.7496	3.0356	0.8924	1.0175
	Pb	1.2000	0.8400	0.3560	0.5000	0.7687	2.3640	0.4500	0.5000
	Naphtalene	2.0000	1.4000	0.0010	0.0170	0.0005	0.0005	0.0005	
	Phenanthrene	0.0300	0.0210	0.0070	0.0028	0.0003	0.0003	0.0003	
	Fluoranthene	0.0063	0.0044	0.0010	0.0034	0.0005	0.0005	0.0005	
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0003	0.0003	0.0003	
	Bz(a)Anthracene	0.0002	0.0001	0.0000	0.0032	0.0000	0.0000	0.0000	
	Bz(b)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0003	0.0003	0.0003	
	Bz(k)Fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0003	0.0003	0.0003	
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0032	0.0000	0.0000	0.0000	
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0003	0.0003	0.0003	
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0000	0.0000	0.0000	
	di-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	0.4400	0.5927	0.2500	0.2500	0.2500	
River section R14	As	7.2000	5.0400	1.0400	0.8850	0.9628	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0220	0.0500	0.0750	0.0750	0.0750	0.0792
	Hg	0.0700	0.0490	0.0110	0.0203	0.0131	0.0050	0.0050	0.0010
	Ni	4.0000	2.8000	1.7500	1.0960	4.3446	2.7126	1.4247	1.1640
	Pb	1.2000	0.8400	0.2280	0.3000	3.5464	2.9304	0.5540	0.5000

River section	Quality indicators	MAC* (µg/L)	AT** (µg/L)	Annual average concentration (µg/L)					
				2015	2016	2017	2018	2019	2020
	Naphtalene	2.0000	1.4000	0.0010	0.0475	0.0812	0.0040	0.0040	0.0014
	Phenanthrene	0.0300	0.0210	0.0050	0.0125	0.0221	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0020	0.0044	0.0019	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0005	0.0005	0.0005	0.0006
	Bz(a)anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0000	0.0001	0.0000
	Bz(b)fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0003	0.0005	0.0008
	Bz(k)fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0003	0.0005	0.0006
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0000	0.0005	0.0006
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0005	0.0003	0.0005	0.0008
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0000	0.0005	0.0007
	alfa- HCH	0.0200	0.0140	0.0191	0.0010	0.0087	0.0207	0.0033	0.0362
	beta- HCH	0.0200	0.0140	0.0030	0.0010	0.0048	0.0069	0.0034	0.0107
	gama-HCH	0.0200	0.0140	0.0125	0.0010	0.0088	0.0087	0.0024	0.0144
	di-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	0.8190	0.2500	0.2500	0.2500	0.2500	0.1000
River section R15	As	7.2000	5.0400	1.0850	1.0383	0.9877	0.6000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0060	0.0500	0.0750	0.0750	0.0750	0.1505
	Hg	0.0700	0.0490	0.0160	0.0153	0.0249	0.0140	0.0120	0.0273
	Ni	4.0000	2.8000	2.1610	4.0920	3.2640	1.4560	0.8333	1.1377
	Pb	1.2000	0.8400	0.0250	0.3000	3.0059	1.8653	0.5000	0.4500
	Naphtalene	2.0000	1.4000	0.0020	0.0216	0.1283	0.0241	0.0047	0.0093
	Phenanthrene	0.0300	0.0210	0.0100	0.0089	0.0306	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0020	0.0032	0.0021	0.0005	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0005	0.0005	0.0005	0.0005
	Bz(a)anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0001	0.0005	0.0000
	Bz(b)fluoranthene	0.0170	0.0119	0.0003	0.0082	0.0005	0.0005	0.0005	0.0005
	Bz(k)fluoranthene	0.0170	0.0119	0.0003	0.0119	0.0005	0.0005	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0001	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0002	0.0036	0.0005	0.0005	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0001	0.0005	0.0005
	alfa- HCH	0.0200	0.0140	0.0330	0.0082	0.0408	0.0046	0.0413	0.0460
	beta- HCH	0.0200	0.0140	0.0170	0.0119	0.0165	0.0095	0.0115	0.0139
	gama-HCH	0.0200	0.0140	0.0210	0.0129	0.0211	0.0157	0.0243	0.0194
	di-(2-ethylhexyl)-phthalate (DEHP)	1.3000	0.9100	2.6450	0.7560	0.2961	0.2500	0.8106	0.5648
River section R16	As	7.2000	5.0400	0.2125	0.5960	1.2585	2.2360	1.0000	1.0000
	Cd	0.0800	0.0560	0.1145	0.0750	0.0750	0.0750	0.0750	0.0750
	Hg	0.0700	0.0490	0.0010	0.0105	0.0153	0.0050	0.0050	0.0050
	Ni	4.0000	2.8000	1.3110	3.0933	5.1368	2.1950	0.9265	1.4220
	Pb	1.2000	0.8400	0.5468	0.4375	1.4000	0.2500	0.4773	0.5000
	Naphtalene	2.0000	1.4000	0.0005	0.0021	0.0668	0.0005	0.0036	0.0057
	Phenanthrene	0.0300	0.0210	0.0003	0.0005	0.0454	0.0003	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0003	0.0008	0.0044	0.0005	0.0005	0.0003

River section	Quality indicators	MAC* (µg/L)	AT** (µg/L)	Annual average concentration (µg/L)					
				2015	2016	2017	2018	2019	2020
	Anthracene	0.1000	0.0700	0.0003	0.0005	0.0005	0.0003	0.0005	0.0057
	Bz(a)anthracene	0.0002	0.0001	0.0000	0.0005	0.0007	0.0000	0.0000	0.0000
	Bz(b)fluoranthene	0.0170	0.0119	0.0003	0.0005	0.0010	0.0003	0.0005	0.0005
	Bz(k)fluoranthene	0.0170	0.0119	0.0003	0.0005	0.0005	0.0003	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0005	0.0009	0.0000	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0005	0.0005	0.0003	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0005	0.0008	0.0000	0.0005	0.0005
River section R17	As	7.2000	5.0400	0.4487	0.4555	0.7941	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.0750	0.0750	0.0750	0.0750	0.0750	0.2138
	Hg	0.0700	0.0490	0.0050	0.0193	0.0133	0.0122	0.0050	0.0050
	Ni	4.0000	2.8000	1.9401	1.9071	1.1934	1.4004	0.9543	1.1427
	Pb	1.2000	0.8400	0.6459	0.5784	0.5678	0.3500	0.4500	0.5000
	Naphtalene	2.0000	1.4000	0.0005	0.0045	0.0567	0.0318	0.0018	0.0015
	Phenanthrene	0.0300	0.0210	0.0003	0.0107	0.0142	0.0005	0.0003	0.0003
	Fluoranthene	0.0063	0.0044	0.0005	0.0035	0.0017	0.0003	0.0005	0.0003
	Anthracene	0.1000	0.0700	0.0003	0.0027	0.0005	0.0005	0.0005	0.0005
	Bz(a)anthracene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0000	0.0005	0.0000
	Bz(b)fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0003	0.0005	0.0005
	Bz(k)fluoranthene	0.0170	0.0119	0.0003	0.0040	0.0005	0.0003	0.0005	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0000	0.0032	0.0005	0.0000	0.0005	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0003	0.0036	0.0005	0.0003	0.0005	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0000	0.0036	0.0005	0.0000	0.0005	0.0005
River section R18	As	7.2000	5.0400	2.7182	1.6128	1.6835	1.0000	1.0000	1.0000
	Cd	0.0800	0.0560	0.2399	0.3181	0.0750	0.1410	0.0750	0.1691
	Hg	0.0700	0.0490	0.0146	0.0189	0.0304	0.0050	0.0059	0.0050
	Ni	4.0000	2.8000	3.8992	1.9558	5.4908	2.1217	5.6442	3.7642
	Pb	1.2000	0.8400	3.9575	2.8257	5.1483	4.4240	1.6700	1.3892
	Naphtalene	2.0000	1.4000	0.0023	0.0071	0.0507	0.0033	0.0005	0.0014
	Phenanthrene	0.0300	0.0210	0.0025	0.0117	0.0127	0.0211	0.0003	0.0044
	Fluoranthene	0.0063	0.0044	0.0010	0.0032	0.0020	0.0066	0.0005	0.0009
	Anthracene	0.1000	0.0700	0.0005	0.0030	0.0005	0.0005	0.0003	0.0005
	Bz(a)anthracene	0.0002	0.0001	0.0005	0.0034	0.0005	0.0005	0.0000	0.0000
	Bz(b)fluoranthene	0.0170	0.0119	0.0005	0.0044	0.0011	0.0005	0.0003	0.0007
	Bz(k)fluoranthene	0.0170	0.0119	0.0005	0.0044	0.0005	0.0005	0.0003	0.0005
	Bz(a)pyrene	0.0002	0.0001	0.0005	0.0034	0.0005	0.0005	0.0000	0.0005
	Bz(ghi)perylene	0.0082	0.0057	0.0005	0.0039	0.0007	0.0005	0.0003	0.0005
	Indeno(1,2,3-cd)pyrene	0.0002	0.0001	0.0008	0.0039	0.0006	0.0005	0.0000	0.0005
	alfa- HCH	0.0200	0.0140	0.0029	0.0023	0.0018	0.0093	0.0010	0.0018
	beta- HCH	0.0200	0.0140	0.0025	0.0018	0.0018	0.0015	0.0010	0.0016
	gama-HCH (lindan)	0.0200	0.0140	0.0042	0.0042	0.0042	0.0034	0.0010	0.0015

*Maximum allowed concetration according to the national standards (GD 570/2016)

**Alert Treeshold as 70% of MAC.