

River: Danube **Catchment:** 77086 km2 **2012**
Distance from mouth: 2204 **Altitude:** 290 m **AT1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.16	2.99917	3.47	3.07	3.35
Ammonium (NH4-N)	mg/l	37	< 0.004	0.03678	0.15	0.02	0.10
BOD (5)	mg/l	12	0.8	1.71667	2.8	1.50	2.50
COD (Cr)	mg/l	38	4	4	4	4.00	4.00
Calcium (Ca++)	mg/l	12	39.8	50.89167	61.6	50.30	56.90
Chloride (Cl-)	mg/l	12	8.3	17.55	34.5	14.20	29.70
Conductivity	µS/cm	12	263	350.5	458	350.00	418.00
DOC	mg/l	12	1.3	2.275	4.3	1.80	3.10
Dissolved oxygen	mg/l	12	8.8	10.725	13.2	9.90	9.10
Flow	m3/s	366	820	1517.4071	3494	1446.00	2088.00
Macrozoobenthos sapr. index	-	1	2.17	2.17	2.17		
Magnesium (Mg++)	mg/l	12	8.9	12.03333	14.5	11.50	14.30
Nitrate (NO3-N)	mg/l	37	0.95	1.79757	3.3	1.52	2.97
Nitrite (NO2-N)	mg/l	37	0.005	0.01197	0.033	0.01	0.021
Orthophosphate (PO4-P)	mg/l	37	< 0.0025	0.03014	0.072	0.028	0.059
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	44.3	44.3	44.3		
Potassium (K+)	mg/l	12	1.7	2.30833	3.2	2.30	3.10
Sodium (Na+)	mg/l	12	5.7	10.85	20.7	9.60	13.30
Sulphate (SO4--)	mg/l	12	18.6	22.15	25.8	22.20	24.60
Suspended solids	mg/l	12	< 0.25	8.0125	31.9	2.20	27.80
TOC	mg/l	12	1.6	2.48333	4.5	2.00	3.70
Temperature	°C	12	2.6	11.13333	20.1	10.40	19.10
Total phosphorus	mg/l	36	0.025	0.07369	0.162	0.067	0.13
Total phosphorus, dissolved	mg/l	36	0.013	0.04444	0.141	0.038	0.076
pH	-	12	7.9	8.05833	8.2	8.10	8.00

River: Danube **Catchment:** 101700 km2 **2012**
Distance from mouth: 1935 **Altitude:** 159 m **AT3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.46	3.035	3.74	3.00	3.43
Ammonium (NH4-N)	mg/l	12	0.009	0.02992	0.089	0.019	0.065
BOD (5)	mg/l	12	< 0.4	1.83333	2.9	1.80	2.50
COD (Cr)	mg/l	13	4	4	4	4.00	4.00
Calcium (Ca++)	mg/l	12	41.1	50.68333	65.4	48.20	60.10
Chloride (Cl-)	mg/l	12	9.3	14.99167	22.3	14.90	22.20
Conductivity	µS/cm	12	263	337.33333	428	343.00	392.00
DOC	mg/l	12	1.3	1.9	2.9	1.70	2.50
Dissolved oxygen	mg/l	12	7.3	10.54167	14.3	10.10	8.10
Flow	m3/s	366	1074	2010.3005	4838	1981.00	2751.00
Macrozoobenthos sapr. index	-	1	2.11	2.11	2.11		
Magnesium (Mg++)	mg/l	12	9.6	11.81667	14.4	11.80	13.70
Nitrate (NO3-N)	mg/l	12	1.1	1.84583	3.1	1.64	3.00
Nitrite (NO2-N)	mg/l	12	0.008	0.01192	0.022	0.01	0.02
Orthophosphate (PO4-P)	mg/l	12	0.009	0.03042	0.059	0.029	0.047
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	24.7	24.7	24.7		
Potassium (K+)	mg/l	12	1.4	2.175	2.8	2.30	2.80
Sodium (Na+)	mg/l	12	5.9	9.325	13.4	8.50	13.00
Sulphate (SO4--)	mg/l	12	17.2	23.3	29.6	22.50	28.60
Suspended solids	mg/l	12	< 0.25	15.5375	63.3	5.20	33.00
TOC	mg/l	12	1.4	2.29167	3.3	2.30	2.90
Temperature	°C	12	0.1	11.33333	20.5	9.40	20.50
Total phosphorus	mg/l	12	0.033	0.05775	0.084	0.057	0.077
Total phosphorus, dissolved	mg/l	12	0.024	0.0455	0.069	0.044	0.063
pH	-	12	8.2	8.3	8.4	8.30	8.20

River: Danube **Catchment:** 84869 km2 **2012**
Distance from mouth: 2113 **Altitude:** 241 m **AT5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.54	3.14083	3.72	3.13	3.64
Ammonium (NH4-N)	mg/l	12	< 0.004	0.03825	0.131	0.02	0.074
BOD (5)	mg/l	12	< 0.4	1.88333	2.9	1.70	2.60
COD (Cr)	mg/l	13	4	4	4	4.00	4.00
Calcium (Ca++)	mg/l	12	44.2	52.875	65.7	51.40	62.10
Chloride (Cl-)	mg/l	12	11.8	18.29167	31.2	16.00	23.30
Conductivity	µS/cm	12	287	359.83333	460	357.00	431.00
DOC	mg/l	12	1.3	2.05	3.3	1.70	3.20
Dissolved oxygen	mg/l	12	8.1	10.56667	13.2	10.50	8.70
Flow	m3/s	366	896	1692.1256	4148	1656.00	2276.00
Macrozoobenthos sapr. index	-	1	2.22	2.22	2.22		
Magnesium (Mg++)	mg/l	12	10.4	12.19167	14.5	11.80	14.00
Nitrate (NO3-N)	mg/l	12	1.1	2.0475	3.4	1.66	3.10
Nitrite (NO2-N)	mg/l	12	0.007	0.01358	0.025	0.012	0.021
Orthophosphate (PO4-P)	mg/l	12	0.007	0.033	0.066	0.03	0.063
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	22.5	22.5	22.5		
Potassium (K+)	mg/l	12	1.6	2.36667	2.9	2.30	2.90
Sodium (Na+)	mg/l	12	8	11.94167	19.7	11.10	14.90
Sulphate (SO4--)	mg/l	12	15.6	23.38333	28.5	23.30	27.70
Suspended solids	mg/l	12	< 0.25	21.58333	99.3	4.40	62.60
TOC	mg/l	12	1.3	2.25833	3.9	1.80	3.50
Temperature	°C	12	0.8	11.11667	19.7	10.10	19.50
Total phosphorus	mg/l	12	0.033	0.0625	0.138	0.052	0.089
Total phosphorus, dissolved	mg/l	12	0.022	0.05175	0.12	0.046	0.072
pH	-	12	8	8.26667	8.5	8.20	8.10

River: Danube **Catchment:** 130759 km²
Distance from mouth: 1879 **Altitude:** 136 m **2012**
Location: Right **AT6**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	8.54	14.50083	19.5	15.80	18.20
Alkalinity - total	mmol/l	24	2.46	3.02917	3.74	3.08	3.38
Aluminium (Al)	µg/l	12	13	252.41667	770	161.00	510.00
Aluminium (Al), dissolved	µg/l	12	< 5	18.75	35	15.00	29.00
Ammonium (NH ₄ -N)	mg/l	24	< 0.004	0.03108	0.103	0.019	0.073
Arsenic (As)	µg/l	12	< 0.5	1.55	3.7	1.30	2.70
Arsenic (As), dissolved	µg/l	12	< 0.5	1.11667	1.8	1.10	1.40
BOD (5)	mg/l	24	1	1.87917	3.2	1.80	2.70
COD (Cr)	mg/l	28	3.7	5.83214	13.8	4.00	10.90
COD (Mn)	mg/l	12	1.94	2.88333	4.22	2.58	3.85
Cadmium (Cd)	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Cadmium (Cd), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Calcium (Ca ⁺⁺)	mg/l	24	40.7	52.17917	66.5	50.90	61.80
Chloride (Cl ⁻)	mg/l	24	8.7	16.50833	27.2	14.90	23.50
Chromium (Cr) - total	µg/l	12	< 0.5	0.725	1.6	0.50	1.40
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	24	268	350.16667	452	349.00	433.00
Copper (Cu)	µg/l	12	1.9	3.93333	6.2	3.60	5.60
Copper (Cu), dissolved	µg/l	12	1.8	3.1	5	3.00	4.00
DOC	mg/l	24	1.3	2.07083	3.4	1.80	3.30
Dissolved oxygen	mg/l	24	7.6	10.56667	14.1	10.00	8.10
Flow	m ³ /s	366	1142	2073.0901	4768	2041.00	2871.00
Iron (Fe)	mg/l	12	< 0.0005	0.41421	1.83	0.19	1.19
Lead (Pb)	µg/l	12	< 0.5	0.54167	1	0.50	0.50
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Macrozoobenthos sapr. index	-	1	2.1	2.1	2.1		
Magnesium (Mg ⁺⁺)	mg/l	24	9.7	12.49167	15.3	12.60	13.80
Manganese (Mn)	mg/l	12	< 0.005	0.03267	0.124	0.022	0.083
Mercury (Hg)	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni)	µg/l	12	< 0.5	1.25	2.3	1.30	2.00
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.68333	1.4	0.50	1.20
Nitrate (NO ₃ -N)	mg/l	24	1.1	1.97125	3.2	1.72	3.10
Nitrite (NO ₂ -N)	mg/l	24	< 0.0015	0.01244	0.026	0.009	0.023
Orthophosphate (PO ₄ -P)	mg/l	24	0.006	0.03213	0.063	0.034	0.052
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	2.3	10.13333	16.6	16.60	16.60
Potassium (K ⁺)	mg/l	24	1.8	2.50417	3.8	2.50	3.00
Sodium (Na ⁺)	mg/l	24	6.4	10.675	16.2	10.00	14.70

River: Danube **Catchment:** 130759 km2 **2012**
Distance from mouth: 1879 **Altitude:** 136 m **AT6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	24	16.5	23.9375	30.6	23.70	29.80
Suspended solids	mg/l	24	< 0.25	14.8875	71.1	4.80	29.40
TOC	mg/l	24	1.3	2.4125	4.9	2.10	3.80
Temperature	°C	24	< 0.00000	11.15417	21.6	8.70	20.40
Total phosphorus	mg/l	24	0.025	0.06067	0.136	0.057	0.083
Total phosphorus, dissolved	mg/l	24	0.021	0.05108	0.105	0.052	0.07
Zinc (Zn)	µg/l	12	2	11.05833	32.2	8.90	17.70
Zinc (Zn), dissolved	µg/l	12	2	6.78333	16.4	3.80	15.00
pH	-	24	7.9	8.24167	8.5	8.30	8.10

River: Sava/Drina **Catchment:** 19226 km2 **2012**
Distance from mouth: 16 **Altitude:** 90 m **BA10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	9	2.8	2.92889	3.1	3.10	3.10
Ammonium (NH ₄ -N)	mg/l	9	0.03	0.03556	0.07	0.07	0.07
Arsenic (As), dissolved	µg/l	9	0.74	1.2	2.52	2.52	2.52
BOD (5)	mg/l	9	0.5	1.16889	2.33	2.33	2.33
COD (Cr)	mg/l	9	9	9	9	9.00	9.00
Calcium (Ca ⁺⁺)	mg/l	9	49.4	55.01111	70.6	70.60	70.60
Chloride (Cl ⁻)	mg/l	9	1.38	5.21444	14.9	14.90	14.90
Chromium (Cr), total	µg/l	9	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	9	247	269.88889	292	292.00	292.00
Copper (Cu), dissolved	µg/l	9	1.06	3.48667	11.04	11.04	11.04
Dissolved oxygen	mg/l	9	7.12	8.83556	12.63	7.12	7.12
Macrozoobenthos sapr. index	-	2	1.77	1.9	2.03		
Magnesium (Mg ⁺⁺)	mg/l	9	< 2.5	5.25556	7.5	7.50	7.50
Nitrate (NO ₃ -N)	mg/l	9	0.07	0.31333	0.58	0.58	0.58
Nitrite (NO ₂ -N)	mg/l	9	0.005	0.005	0.005	0.005	0.005
Orthophosphate (PO ₄ -P)	mg/l	9	0.007	0.00911	0.016	0.016	0.016
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	0.15	1.94067	4.14	4.14	4.14
Suspended solids	mg/l	9	4.2	11.48889	32.8	32.80	32.80
Temperature	°C	9	8.1	15.5	22	22.00	22.00
Total nitrogen	mg/l	9	< 0.5	0.56444	1.08	1.08	1.08
Total phosphorus	mg/l	9	0.007	0.02644	0.061	0.061	0.061
Total phosphorus, dissolved	mg/l	9	0.007	0.01567	0.049	0.049	0.049
Zinc (Zn), dissolved	µg/l	9	1.17	14.9	39.4	39.40	39.40
pH	-	9	7.87	8.16889	8.47	7.87	7.87

River: Sava **Catchment:** 64125 km2 **2012**
Distance from mouth: 190 **Altitude:** 80 m **BA11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	9	3.28	3.57333	3.9	3.90	3.90
Ammonium (NH ₄ -N)	mg/l	9	0.04	0.08556	0.25	0.25	0.25
Arsenic (As), dissolved	µg/l	9	0.74	0.84333	1.49	1.49	1.49
BOD (5)	mg/l	9	0.6	1.78333	3.26	3.26	3.26
COD (Cr)	mg/l	9	9	9	9	9.00	9.00
Calcium (Ca ⁺⁺)	mg/l	9	52.4	62.77778	71.7	71.70	71.70
Chloride (Cl ⁻)	mg/l	9	11.3	32.49667	88.9	88.90	88.90
Chromium (Cr), total	µg/l	9	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	9	355	399.88889	464	464.00	464.00
Copper (Cu), dissolved	µg/l	9	1.06	3.09889	5.95	5.95	5.95
Dissolved oxygen	mg/l	9	5.5	7.43667	9.42	5.50	5.50
Macrozoobenthos sapr. index	-	3	1.08	1.9	2.39		
Magnesium (Mg ⁺⁺)	mg/l	9	< 2.5	11.97778	21.2	21.20	21.20
Nitrate (NO ₃ -N)	mg/l	9	0.41	0.85889	1.52	1.52	1.52
Nitrite (NO ₂ -N)	mg/l	9	0.008	0.02567	0.09	0.09	0.09
Orthophosphate (PO ₄ -P)	mg/l	9	0.023	0.04844	0.066	0.066	0.066
Phytoplankton (biomass - chlorophyll-a)	µg/l	8	0.22	1.2625	3.04	3.04	3.04
Suspended solids	mg/l	9	2.6	21.13333	59.6	59.60	59.60
Temperature	°C	9	8.7	17.34444	27	27.00	27.00
Total nitrogen	mg/l	9	1	1.45667	2.05	2.05	2.05
Total phosphorus	mg/l	9	0.068	0.09178	0.123	0.123	0.123
Total phosphorus, dissolved	mg/l	9	0.043	0.06111	0.073	0.073	0.073
Zinc (Zn), dissolved	µg/l	9	1.17	9.33333	18.15	18.15	18.15
pH	-	9	7.54	8.02111	8.64	7.54	7.54

River: Sava/Una **Catchment:** 4573 km2 **2012**
Distance from mouth: 70 **Altitude:** 137 m **BA12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	4	3.84	4	4.16	4.16	4.16
Ammonium (NH ₄ -N)	mg/l	4	0.03	0.0425	0.06	0.06	0.06
Arsenic (As), dissolved	µg/l	4	0.74	0.74	0.74	0.74	0.74
BOD (5)	mg/l	4	0.99	2.6475	5.22	5.22	5.22
COD (Cr)	mg/l	4	9	9	9	9.00	9.00
Calcium (Ca ⁺⁺)	mg/l	4	63.7	72.275	86.1	86.10	86.10
Chloride (Cl ⁻)	mg/l	4	1.27	2.4875	4.34	4.34	4.34
Chromium (Cr), total	µg/l	4	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	4	352	365.25	380	380.00	380.00
Copper (Cu), dissolved	µg/l	4	1.06	6.545	19.41	19.41	19.41
Dissolved oxygen	mg/l	4	6.95	9.6975	11.2	6.95	6.95
Macrozoobenthos sapr. index	-	2	1.86	1.885	1.91		
Magnesium (Mg ⁺⁺)	mg/l	4	< 2.5	9.05	13.7	13.70	13.70
Nitrate (NO ₃ -N)	mg/l	4	0.21	0.2825	0.43	0.43	0.43
Nitrite (NO ₂ -N)	mg/l	4	0.005	0.005	0.005	0.005	0.005
Orthophosphate (PO ₄ -P)	mg/l	4	0.007	0.007	0.007	0.007	0.007
Suspended solids	mg/l	4	2.6	4.55	9.8	9.80	9.80
Temperature	°C	4	11	18.2	23	23.00	23.00
Total nitrogen	mg/l	4	< 0.5	0.6375	1.05	1.05	1.05
Total phosphorus	mg/l	4	0.025	0.0285	0.034	0.034	0.034
Total phosphorus, dissolved	mg/l	4	0.007	0.015	0.024	0.024	0.024
Zinc (Zn), dissolved	µg/l	4	2.17	18.4675	29.81	29.81	29.81
pH	-	4	8.04	8.1925	8.35	8.04	8.04

River: Sava/Bosna **Catchment:** 7313 km2 **2012**
Distance from mouth: 78 **Altitude:** 148 m **BA13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	4	3.1	3.4	3.7	3.70	3.70
Ammonium (NH ₄ -N)	mg/l	4	0.07	0.1775	0.47	0.47	0.47
Arsenic (As), dissolved	µg/l	4	1.52	2.58	3.77	3.77	3.77
BOD (5)	mg/l	4	1.28	3.51	6.75	6.75	6.75
COD (Cr)	mg/l	4	9	11.8675	15.07	15.07	15.07
Calcium (Ca ⁺⁺)	mg/l	4	59.2	61.55	65.9	65.90	65.90
Chloride (Cl ⁻)	mg/l	4	4.61	66.8675	241.8	241.80	241.80
Chromium (Cr), total	µg/l	4	2.7	3.37	4.91	4.91	4.91
Conductivity	µS/cm	4	373	418.25	490	490.00	490.00
Copper (Cu), dissolved	µg/l	4	1.06	3.6875	5.28	5.28	5.28
Dissolved oxygen	mg/l	4	8.9	9.7775	10.84	8.90	8.90
Macrozoobenthos sapr. index	-	2	1.94	1.975	2.01		
Magnesium (Mg ⁺⁺)	mg/l	4	10.3	11.875	13.8	13.80	13.80
Nitrate (NO ₃ -N)	mg/l	4	0.57	0.715	0.9	0.90	0.90
Nitrite (NO ₂ -N)	mg/l	4	0.019	0.055	0.135	0.135	0.135
Orthophosphate (PO ₄ -P)	mg/l	4	0.007	0.041	0.076	0.076	0.076
Suspended solids	mg/l	4	2.6	7.9	17.6	17.60	17.60
Temperature	°C	4	16.1	20.975	28.3	28.30	28.30
Total nitrogen	mg/l	4	1.12	1.3275	1.43	1.43	1.43
Total phosphorus	mg/l	4	0.036	0.07225	0.105	0.105	0.105
Total phosphorus, dissolved	mg/l	4	0.019	0.051	0.086	0.086	0.086
Zinc (Zn), dissolved	µg/l	4	2.24	17.3625	28.3	28.30	28.30
pH	-	4	7.74	8.3275	8.9	7.74	7.74

River: Sava **Catchment:** 39150 km2 **2012**
Distance from mouth: 457 **Altitude:** 86 m **BA5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	9	3.52	3.77111	4.12	4.12	4.12
Ammonium (NH ₄ -N)	mg/l	9	0.03	0.07556	0.14	0.14	0.14
Arsenic (As), dissolved	µg/l	9	0.74	0.77222	0.9	0.90	0.90
BOD (5)	mg/l	9	0.62	1.48778	2.98	2.98	2.98
COD (Cr)	mg/l	9	9	9	9	9.00	9.00
Calcium (Ca ⁺⁺)	mg/l	9	54.6	62.17778	72.4	72.40	72.40
Chloride (Cl ⁻)	mg/l	9	1.87	7.91111	26.6	26.60	26.60
Chromium (Cr), total	µg/l	9	2.7	2.74111	3.07	3.07	3.07
Conductivity	µS/cm	9	342	370.77778	395	395.00	395.00
Copper (Cu), dissolved	µg/l	9	1.23	4.84444	19.5	19.50	19.50
Dissolved oxygen	mg/l	9	5.5	8.97333	18	5.50	5.50
Macrozoobenthos sapr. index	-	1	2.2	2.2	2.2		
Magnesium (Mg ⁺⁺)	mg/l	9	7.7	12.52222	16.9	16.90	16.90
Nitrate (NO ₃ -N)	mg/l	9	0.72	1.07444	1.62	1.62	1.62
Nitrite (NO ₂ -N)	mg/l	9	0.008	0.01411	0.022	0.022	0.022
Orthophosphate (PO ₄ -P)	mg/l	9	0.021	0.05656	0.097	0.097	0.097
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	0.09	2.15778	5.84	5.84	5.84
Suspended solids	mg/l	9	3.4	20.61111	92.8	92.80	92.80
Temperature	°C	9	8.2	15.87778	27	27.00	27.00
Total nitrogen	mg/l	9	1.4	1.72333	2.13	2.13	2.13
Total phosphorus	mg/l	9	0.051	0.08789	0.117	0.117	0.117
Total phosphorus, dissolved	mg/l	9	0.036	0.06867	0.102	0.102	0.102
Zinc (Zn), dissolved	µg/l	9	7.91	12.63	21.63	21.63	21.63
pH	-	9	7.69	8.00667	8.31	7.69	7.69

River: Sava/Una **Catchment:** 9130 km2 **2012**
Distance from mouth: 16 **Altitude:** 94 m **BA6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	9	3.5	3.87111	4.38	4.38	4.38
Ammonium (NH4-N)	mg/l	9	0.03	0.07444	0.25	0.25	0.25
Arsenic (As), dissolved	µg/l	9	0.74	0.74	0.74	0.74	0.74
BOD (5)	mg/l	9	0.83	2.37333	4.44	4.44	4.44
COD (Cr)	mg/l	9	< 4.5	9.07778	14.2	14.20	14.20
Calcium (Ca++)	mg/l	9	57	70.27778	82.7	82.70	82.70
Chloride (Cl-)	mg/l	9	0.82	4.87556	20.09	20.09	20.09
Chromium (Cr), total	µg/l	9	2.7	4.47778	18.7	18.70	18.70
Conductivity	µS/cm	9	289	372.11111	450	450.00	450.00
Copper (Cu), dissolved	µg/l	9	1.06	2.82889	7.12	7.12	7.12
Dissolved oxygen	mg/l	9	5.9	9.38889	11.62	5.90	5.90
Macrozoobenthos sapr. index	-	2	1.85	1.875	1.9		
Magnesium (Mg++)	mg/l	9	< 2.5	10.52222	17.3	17.30	17.30
Nitrate (NO3-N)	mg/l	9	0.08	0.46444	0.99	0.99	0.99
Nitrite (NO2-N)	mg/l	9	0.005	0.00644	0.011	0.011	0.011
Orthophosphate (PO4-P)	mg/l	9	0.007	0.01344	0.03	0.03	0.03
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	0.44	2.94167	12.58	12.58	12.58
Suspended solids	mg/l	9	2.6	17.86667	122	122.00	122.00
Temperature	°C	9	7.5	17.13333	29	29.00	29.00
Total nitrogen	mg/l	9	< 0.5	0.89444	1.49	1.49	1.49
Total phosphorus	mg/l	9	0.007	0.03778	0.144	0.144	0.144
Total phosphorus, dissolved	mg/l	9	0.007	0.02289	0.076	0.076	0.076
Zinc (Zn), dissolved	µg/l	9	6.59	22.73667	98.65	98.65	98.65
pH	-	9	7.97	8.31	8.7	7.97	7.97

River: Sava/Vrbas **Catchment:** 6023 km2 **2012**
Distance from mouth: 12 **Altitude:** 100 m **BA7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	9	3.46	3.74222	3.9	3.90	3.90
Ammonium (NH ₄ -N)	mg/l	9	0.03	0.07222	0.14	0.14	0.14
Arsenic (As), dissolved	µg/l	9	0.74	0.74667	0.8	0.80	0.80
BOD (5)	mg/l	9	0.94	1.86667	3.86	3.86	3.86
COD (Cr)	mg/l	9	9	9	9	9.00	9.00
Calcium (Ca ⁺⁺)	mg/l	9	65	71.63333	81.4	81.40	81.40
Chloride (Cl ⁻)	mg/l	9	2.42	9.87333	27.3	27.30	27.30
Chromium (Cr), total	µg/l	9	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	9	354	402.55556	510	510.00	510.00
Copper (Cu), dissolved	µg/l	9	1.16	2.40333	4.09	4.09	4.09
Dissolved oxygen	mg/l	9	6.88	10.15444	20.6	6.88	6.88
Macrozoobenthos sapr. index	-	2	2.11	2.18	2.25		
Magnesium (Mg ⁺⁺)	mg/l	9	7.6	11.14444	13.7	13.70	13.70
Nitrate (NO ₃ -N)	mg/l	9	0.2	1.27778	6.05	6.05	6.05
Nitrite (NO ₂ -N)	mg/l	9	0.008	0.01911	0.034	0.034	0.034
Orthophosphate (PO ₄ -P)	mg/l	9	0.01	0.02433	0.038	0.038	0.038
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	0.9	3.37111	7.72	7.72	7.72
Suspended solids	mg/l	9	6.2	10.88889	16.4	16.40	16.40
Temperature	°C	9	7.2	16.41111	25	25.00	25.00
Total nitrogen	mg/l	9	< 0.5	1.70222	6.56	6.56	6.56
Total phosphorus	mg/l	9	0.044	0.05422	0.064	0.064	0.064
Total phosphorus, dissolved	mg/l	9	0.025	0.03967	0.05	0.05	0.05
Zinc (Zn), dissolved	µg/l	9	5.78	13.38556	43.74	43.74	43.74
pH	-	9	7.81	8.14667	8.51	7.81	7.81

River: Sava/Bosna **Catchment:** 11 km2 **2012**
Distance from mouth: 24 **Altitude:** 114 m **BA8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	9	2.44	3.16	3.96	3.96	3.96
Ammonium (NH ₄ -N)	mg/l	9	0.03	0.08556	0.18	0.18	0.18
Arsenic (As), dissolved	µg/l	9	0.74	1.82889	2.89	2.89	2.89
BOD (5)	mg/l	9	1.37	2.19889	3.46	3.46	3.46
COD (Cr)	mg/l	9	9	10.94444	23	23.00	23.00
Calcium (Ca ⁺⁺)	mg/l	9	68.5	109.53333	169	169.00	169.00
Chloride (Cl ⁻)	mg/l	9	51.2	428.36667	2503	2503.00	2503.00
Chromium (Cr), total	µg/l	9	2.7	2.73111	2.93	2.93	2.93
Conductivity	µS/cm	9	370	843.33333	1284	1284.00	1284.00
Copper (Cu), dissolved	µg/l	9	1.06	3.79444	13.47	13.47	13.47
Dissolved oxygen	mg/l	9	6.77	10.66778	16.7	6.77	6.77
Macrozoobenthos sapr. index	-	2	1.28	1.81	2.34		
Magnesium (Mg ⁺⁺)	mg/l	9	6.9	13.1	17.3	17.30	17.30
Nitrate (NO ₃ -N)	mg/l	9	0.13	1.51778	3.43	3.43	3.43
Nitrite (NO ₂ -N)	mg/l	9	0.014	0.04233	0.091	0.091	0.091
Orthophosphate (PO ₄ -P)	mg/l	9	0.007	0.02811	0.075	0.075	0.075
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	0.3	15.00222	86.35	86.35	86.35
Suspended solids	mg/l	9	4.8	11.24444	27.4	27.40	27.40
Temperature	°C	9	5.6	17.67778	26.2	26.20	26.20
Total nitrogen	mg/l	9	< 0.5	2.19778	4.44	4.44	4.44
Total phosphorus	mg/l	9	0.035	0.06922	0.12	0.12	0.12
Total phosphorus, dissolved	mg/l	9	0.011	0.03911	0.094	0.094	0.094
Zinc (Zn), dissolved	µg/l	9	1.89	19.51	84.3	84.30	84.30
pH	-	9	7.6	8.15333	8.43	7.60	7.60

River: Sava/Drina **Catchment:** 3884 km2 **2012**
Distance from mouth: 234 **Altitude:** 442 m **BA9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	4	2.5	2.735	2.86	2.86	2.86
Ammonium (NH ₄ -N)	mg/l	4	0.03	0.0825	0.15	0.15	0.15
Arsenic (As), dissolved	µg/l	4	0.74	0.74	0.74	0.74	0.74
BOD (5)	mg/l	4	0.54	1.37	1.9	1.90	1.90
COD (Cr)	mg/l	4	9	9	9	9.00	9.00
Calcium (Ca ⁺⁺)	mg/l	4	49	50.5	51.9	51.90	51.90
Chloride (Cl ⁻)	mg/l	4	0.51	1.3825	2.17	2.17	2.17
Chromium (Cr), total	µg/l	4	2.7	2.7	2.7	2.70	2.70
Conductivity	µS/cm	4	209	219.75	229	229.00	229.00
Copper (Cu), dissolved	µg/l	4	2.34	6.5175	12.52	12.52	12.52
Dissolved oxygen	mg/l	4	8.6	10.7575	14.1	8.60	8.60
Macrozoobenthos sapr. index	-	2	1.59	1.715	1.84		
Magnesium (Mg ⁺⁺)	mg/l	4	< 2.5	4.5	7.2	7.20	7.20
Nitrate (NO ₃ -N)	mg/l	4	0.1	0.2925	0.51	0.51	0.51
Nitrite (NO ₂ -N)	mg/l	4	0.005	0.005	0.005	0.005	0.005
Orthophosphate (PO ₄ -P)	mg/l	4	0.007	0.00975	0.018	0.018	0.018
Suspended solids	mg/l	4	2.6	5.1	7.2	7.20	7.20
Temperature	°C	4	9	13.4	16.2	16.20	16.20
Total nitrogen	mg/l	4	< 0.5	0.7575	1.03	1.03	1.03
Total phosphorus	mg/l	4	0.02	0.03175	0.047	0.047	0.047
Total phosphorus, dissolved	mg/l	4	0.01	0.01675	0.023	0.023	0.023
Zinc (Zn), dissolved	µg/l	4	10.09	20.2225	30.27	30.27	30.27
pH	-	4	7.83	8.245	8.57	7.83	7.83

River: Danube **Catchment:** 580100 km2 **2012**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.2	3.28182	3.4	3.30	3.40
Ammonium (NH ₄ -N)	mg/l	11	0.037	0.13436	0.333	0.134	0.178
Arsenic (As)	µg/l	11	1.24	1.79	2.38	1.87	2.21
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	11	2.3	3.23636	4.6	3.20	3.40
COD (Cr)	mg/l	11	9.8	12.15455	16.7	12.10	12.60
Calcium (Ca ⁺⁺)	mg/l	11	49.8	55.70909	63.6	54.50	60.90
Chloride (Cl ⁻)	mg/l	11	12.6	18.98182	27.9	18.00	24.40
Conductivity	µS/cm	6	329	375	413	413.00	413.00
Copper (Cu)	µg/l	11	1.02	1.99182	3.01	1.93	2.46
Dissolved oxygen	mg/l	11	4.8	7.41818	12.2	6.40	5.60
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg ⁺⁺)	mg/l	11	9.7	13.02727	16.1	12.00	15.60
Nitrate (NO ₃ -N)	mg/l	11	0.868	1.14509	1.776	1.103	1.50
Nitrite (NO ₂ -N)	mg/l	11	0.012	0.02236	0.042	0.023	0.026
Orthophosphate (PO ₄ -P)	mg/l	11	< 0.0015	0.06295	0.312	0.042	0.071
Phenol index	mg/l	11	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	2.07	8.23273	23.38	5.92	14.50
Potassium (K ⁺)	mg/l	11	2.02	2.90545	4.67	2.72	4.28
Sodium (Na ⁺)	mg/l	11	8.75	11.60273	16.7	11.00	16.10
Sulphate (SO ₄ ⁻⁻)	mg/l	11	21.96	28.40091	39.93	27.00	34.50
TOC	mg/l	11	2.2	3.05091	4.14	2.96	3.34
Temperature	°C	11	4.2	16.26364	28	14.40	25.40
Total nitrogen	mg/l	11	1.09	1.87727	3.93	1.60	2.48
Total phosphorus	mg/l	11	0.049	0.17209	1.133	0.083	0.101
Zinc (Zn)	µg/l	11	3.06	15.60545	75.3	8.72	18.80
pH	-	11	7.15	7.80636	8.48	7.71	7.23

River: Danube **Catchment:** 580100 km2 **2012**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.2	3.26364	3.3	3.30	3.30
Ammonium (NH4-N)	mg/l	11	0.063	0.14036	0.317	0.149	0.169
Arsenic (As)	µg/l	11	1.34	1.79091	2.44	1.65	2.24
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	11	2.5	3.07273	4.4	3.10	3.20
COD (Cr)	mg/l	11	9.8	11.76364	15.8	11.00	15.00
Calcium (Ca++)	mg/l	11	49	56.05455	63.3	54.50	62.70
Chloride (Cl-)	mg/l	11	12.4	18.30909	26.2	17.50	24.40
Conductivity	µS/cm	6	331	373.5	411	411.00	411.00
Copper (Cu)	µg/l	11	1.4	2.17182	4.42	1.84	2.86
Dissolved oxygen	mg/l	11	4.6	7.26364	12.5	6.10	5.70
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	9.9	12.56364	15	12.00	15.00
Nitrate (NO3-N)	mg/l	11	0.851	1.40145	2.128	1.268	2.072
Nitrite (NO2-N)	mg/l	11	0.014	0.023	0.041	0.022	0.029
Orthophosphate (PO4-P)	mg/l	11	< 0.0015	0.10432	0.591	0.041	0.127
Phenol index	mg/l	11	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	2.66	7.83	19.84	7.10	10.36
Potassium (K+)	mg/l	11	1.82	2.42273	3.46	2.40	3.01
Sodium (Na+)	mg/l	11	8.43	11.41818	16.3	10.00	15.90
Sulphate (SO4--)	mg/l	11	21.56	26.93	40.23	26.30	34.38
TOC	mg/l	11	2.1	2.87636	3.77	2.93	3.10
Temperature	°C	11	3.8	16.4	27.3	18.30	25.40
Total nitrogen	mg/l	11	1	1.80636	2.58	1.63	2.58
Total phosphorus	mg/l	11	0.048	0.18582	0.979	0.073	0.288
Zinc (Zn)	µg/l	11	4.79	10.05727	23.5	9.83	11.20
pH	-	11	6.95	7.63182	8.45	7.53	7.04

River: Danube **Catchment:** 580100 km2 **2012**
Distance from mouth: 834 **Altitude:** 35 m **BG1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.2	3.29091	3.4	3.30	3.30
Ammonium (NH4-N)	mg/l	11	0.05	0.133	0.295	0.126	0.178
Arsenic (As)	µg/l	11	< 0.5	1.67273	2.48	1.53	2.29
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	11	2.5	2.94545	3.9	2.90	3.50
COD (Cr)	mg/l	11	10.2	11.95455	15.2	11.50	15.00
Calcium (Ca++)	mg/l	11	50	56.87273	64.6	55.00	62.50
Chloride (Cl-)	mg/l	11	12.2	19.06364	26.2	17.50	26.20
Conductivity	µS/cm	6	339	378.66667	415	415.00	415.00
Copper (Cu)	µg/l	11	1.81	3.67	5.96	2.98	5.92
Dissolved oxygen	mg/l	11	4.5	7.31818	12.4	6.20	5.90
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	9.7	12.82727	16	12.00	15.00
Nitrate (NO3-N)	mg/l	11	0.767	1.31182	2.053	1.222	2.026
Nitrite (NO2-N)	mg/l	11	0.013	0.024	0.043	0.022	0.032
Orthophosphate (PO4-P)	mg/l	11	< 0.0015	0.0755	0.363	0.049	0.096
Phenol index	mg/l	11	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	1.78	7.32	12.14	7.70	11.84
Potassium (K+)	mg/l	11	1.84	2.35818	3.22	2.40	2.63
Sodium (Na+)	mg/l	11	8.53	11.47091	16	10.80	15.80
Sulphate (SO4--)	mg/l	11	22.91	28.59455	42.87	28.48	35.60
TOC	mg/l	11	2.3	2.80182	3.71	2.72	3.30
Temperature	°C	11	3.5	16.11818	26.3	18.60	25.10
Total nitrogen	mg/l	11	1.2	1.97091	2.71	1.80	2.60
Total phosphorus	mg/l	11	0.056	0.13982	0.736	0.069	0.127
Zinc (Zn)	µg/l	11	6.05	11.24182	22.3	10.10	17.00
pH	-	11	7	7.59545	8.42	7.46	7.02

River: Iskar **Catchment:** 8646 km2 **2012**
Distance from mouth: 4 **Altitude:** 27 m **BG12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH ₄ -N)	mg/l	3	0.33	0.56667	0.88		
BOD (5)	mg/l	3	4.9	8.16667	11.5		
COD (Cr)	mg/l	3	15.3	23.2	30.1		
Calcium (Ca ⁺⁺)	mg/l	3	40.5	43.1	44.7		
Chloride (Cl ⁻)	mg/l	3	17.9	23.26667	28.3		
Conductivity	µS/cm	3	310	377.66667	459		
Dissolved oxygen	mg/l	3	4.7	6.3	8.6		
Magnesium (Mg ⁺⁺)	mg/l	3	10.8	11.43333	12.1		
Manganese (Mn)	mg/l	3	3.04	3.9	5.54		
Nitrate (NO ₃ -N)	mg/l	3	0.57	1.71667	3.93		
Nitrite (NO ₂ -N)	mg/l	3	0.015	0.02333	0.035		
Orthophosphate (PO ₄ -P)	mg/l	2	0.03	0.05	0.07		
Sulphate (SO ₄ ⁻⁻)	mg/l	3	40.1	43.7	47.8		
Temperature	°C	3	11.5	20.73333	27.7		
Total nitrogen	mg/l	3	1.3	3.9	8.9		
Total phosphorus	mg/l	3	0.05	0.15667	0.32		
pH	-	3	8.12	8.30333	8.53		

River: Vit **Catchment:** 3225 km2 **2012**
Distance from mouth: 7 **Altitude:** 29 m **BG13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH ₄ -N)	mg/l	4	0.15	0.3125	0.5	0.50	0.50
BOD (5)	mg/l	4	2	2.85	4	4.00	4.00
COD (Cr)	mg/l	4	< 2	7.55	11.3	11.30	11.30
Calcium (Ca ⁺⁺)	mg/l	4	55.5	67.325	81.4	81.40	81.40
Chloride (Cl ⁻)	mg/l	4	11.3	18.725	34	34.00	34.00
Chromium (Cr) - total	µg/l	4	< 0.25	0.5825	1.04	1.04	1.04
Conductivity	µS/cm	4	387	526.75	776	776.00	776.00
Dissolved oxygen	mg/l	4	4.46	7.15	9.4	4.46	4.46
Magnesium (Mg ⁺⁺)	mg/l	4	17.6	27.525	41.9	41.90	41.90
Manganese (Mn)	mg/l	4	0.66	9.365	23.8	23.80	23.80
Nitrate (NO ₃ -N)	mg/l	4	1.82	2.85	4.91	4.91	4.91
Nitrite (NO ₂ -N)	mg/l	4	0.04	0.07375	0.133	0.133	0.133
Orthophosphate (PO ₄ -P)	mg/l	4	0.05	0.1825	0.39	0.39	0.39
Sulphate (SO ₄ ⁻⁻)	mg/l	4	26.2	36.225	50.7	50.70	50.70
Temperature	°C	4	8.6	15.95	28	28.00	28.00
Tetrachloroethylene	µg/l	4	0.5	0.5	0.5	0.50	0.50
Total nitrogen	mg/l	4	2.4	4.4925	6.6	6.60	6.60
Total phosphorus	mg/l	4	0.11	0.24	0.41	0.41	0.41
Zinc (Zn)	µg/l	4	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	4	7.45	7.76	8.4	7.45	7.45

River: Jantra **Catchment:** 7862 km2 **2012**
Distance from mouth: 4 **Altitude:** 25 m **BG14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH ₄ -N)	mg/l	4	0.021	0.07375	0.173	0.173	0.173
BOD (5)	mg/l	4	1.2	2.8	4.3	4.30	4.30
COD (Cr)	mg/l	4	12.8	15.325	18.4	18.40	18.40
Calcium (Ca ⁺⁺)	mg/l	4	49.2	57.3	64.6	64.60	64.60
Chloride (Cl ⁻)	mg/l	4	10.5	13.725	17	17.00	17.00
Chromium (Cr) - total	µg/l	4	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	4	332	392.25	430	430.00	430.00
Copper (Cu)	µg/l	4	< 0.5	1.875	2.56	2.56	2.56
Dissolved oxygen	mg/l	4	6.2	9.275	13.1	6.20	6.20
Magnesium (Mg ⁺⁺)	mg/l	4	11.3	14.275	18.6	18.60	18.60
Manganese (Mn)	mg/l	4	0.725	15.33125	37.6	37.60	37.60
Nitrate (NO ₃ -N)	mg/l	4	0.847	1.11425	1.46	1.46	1.46
Nitrite (NO ₂ -N)	mg/l	4	0.012	0.02	0.026	0.026	0.026
Orthophosphate (PO ₄ -P)	mg/l	4	0.178	0.3185	0.506	0.506	0.506
Sulphate (SO ₄ ⁻⁻)	mg/l	4	31	35.875	38.1	38.10	38.10
Temperature	°C	4	4.1	16.65	28.5	28.50	28.50
Total nitrogen	mg/l	4	1.47	1.865	2.76	2.76	2.76
Total phosphorus	mg/l	4	0.402	0.6205	0.773	0.773	0.773
Zinc (Zn)	µg/l	4	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	4	7.8	8.15	8.4	7.80	7.80

River: RUSSENSKI
Distance from mouth: Lom
Location: 1 Middle
Catchment: 2947 km2
Altitude: 17 m
2012
BG15

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH4-N)	mg/l	4	0.276	0.49375	0.658	0.658	0.658
Arsenic (As)	µg/l	4	1.67	2.485	3.61	3.61	3.61
BOD (5)	mg/l	4	3	5.775	11	11.00	11.00
COD (Cr)	mg/l	4	31.1	37.7	52.1	52.10	52.10
Calcium (Ca++)	mg/l	4	71.9	83.725	97	97.00	97.00
Chloride (Cl-)	mg/l	4	26.6	31.6	38	38.00	38.00
Chromium (Cr) - total	µg/l	4	< 0.25	0.5375	1.4	1.40	1.40
Conductivity	µS/cm	4	683	734.75	830	830.00	830.00
Copper (Cu)	µg/l	4	< 0.5	4.4875	11.2	11.20	11.20
Dissolved oxygen	mg/l	4	7.2	10.075	12.8	7.20	7.20
Magnesium (Mg++)	mg/l	4	28.8	37.675	44.1	44.10	44.10
Manganese (Mn)	mg/l	4	< 0.001	30.26275	115	115.00	115.00
Nitrate (NO3-N)	mg/l	4	3.09	5.1	6.61	6.61	6.61
Nitrite (NO2-N)	mg/l	4	0.048	0.0755	0.137	0.137	0.137
Orthophosphate (PO4-P)	mg/l	4	0.84	1.1	1.29	1.29	1.29
Sulphate (SO4--)	mg/l	4	45.4	54.65	62.9	62.90	62.90
Temperature	°C	4	6.3	12.625	19.8	19.80	19.80
Total nitrogen	mg/l	4	4.96	6.6675	7.85	7.85	7.85
Zinc (Zn)	µg/l	4	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	4	7.7	8.05	8.2	7.70	7.70

River: Danube **Catchment:** 608820 km2 **2012**
Distance from mouth: 641 **Altitude:** 20 m **BG2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2	3.2	5.1	5.10	5.10
Ammonium (NH4-N)	mg/l	11	0.09	0.31455	0.62	0.26	0.60
Arsenic (As)	µg/l	11	2	2.30818	3.09	2.00	3.04
Atrazine	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	11	< 0.5	2.43636	7.2	2.40	3.10
COD (Cr)	mg/l	11	< 2	6.88182	23.2	7.30	9.60
Calcium (Ca++)	mg/l	11	10.4	49.43636	68.9	49.70	62.10
Chloride (Cl-)	mg/l	11	10.2	16.89091	23.9	17.40	23.30
Chloroform	µg/l	11	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Chromium (Cr) - total	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Copper (Cu)	µg/l	11	< 0.5	2.30545	3.3	2.44	3.15
Dissolved oxygen	mg/l	11	4.8	6.56182	9.9	5.90	4.90
Lindane (gamma-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	3.4	13.93818	37	11.90	20.10
Nitrate (NO3-N)	mg/l	11	0.68	1.32455	2.35	1.17	2.00
Nitrite (NO2-N)	mg/l	11	0.006	0.01827	0.039	0.013	0.031
Organic nitrogen	mg/l	11	< 0.205	0.36091	0.9	0.205	0.85
Orthophosphate (PO4-P)	mg/l	11	< 0.025	0.03227	0.07	0.025	0.06
Phenol index	mg/l	11	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	0.14	13.56333	48.6	48.60	48.60
Potassium (K+)	mg/l	11	2	2.98182	6.3	2.50	4.10
Sodium (Na+)	mg/l	11	8.1	12.31818	17.2	12.00	16.60
Sulphate (SO4--)	mg/l	11	22	27.89091	36.5	27.70	34.10
TOC	mg/l	9	2.51	5.21778	11	11.00	11.00
Temperature	°C	11	2.4	14.80909	28.5	13.50	25.00
Total nitrogen	mg/l	9	0.9	1.63333	2.4	2.40	2.40
Total phosphorus	mg/l	11	0.06	0.09145	0.153	0.08	0.153
Zinc (Zn)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	11	6.95	7.69273	8.58	7.49	7.09

River: Danube **Catchment:** 650340 km2 **2012**
Distance from mouth: 554 **Altitude:** 16 m **BG3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.4	3.54167	4.8	3.20	4.60
Ammonium (NH4-N)	mg/l	12	< 0.025	0.21067	1.4	0.089	0.23
Arsenic (As)	µg/l	12	1.6	2.38333	3.3	2.30	2.90
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	< 0.5	1.1975	2.8	1.10	1.60
COD (Cr)	mg/l	12	< 2	6.43333	11.2	7.00	8.60
Calcium (Ca++)	mg/l	12	38	51.75	62	52.00	61.00
Chloride (Cl-)	mg/l	12	< 0.95	18.65417	35.4	17.00	32.20
Chloroform	µg/l	10	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Chromium (Cr) - total	µg/l	12	< 0.25	0.3275	0.64	0.25	0.53
Conductivity	µS/cm	12	316	395.41667	509	385.00	502.00
Copper (Cu)	µg/l	12	1.1	3.2	5.6	2.80	4.90
Dissolved oxygen	mg/l	12	6.42	8.62833	11.47	7.90	7.04
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	4.9	12.5	22.3	12.50	16.00
Nitrate (NO3-N)	mg/l	12	0.13	0.96083	2.2	0.56	2.20
Nitrite (NO2-N)	mg/l	12	0.008	0.02025	0.042	0.015	0.04
Orthophosphate (PO4-P)	mg/l	12	0.013	0.04475	0.08	0.042	0.079
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.75	8.0125	21.2	2.70	21.00
Potassium (K+)	mg/l	12	1.9	2.475	3.2	2.40	3.00
Sodium (Na+)	mg/l	12	9.5	13.14167	19.2	11.40	18.90
Sulphate (SO4--)	mg/l	12	24.6	33.31667	47	31.90	41.40
TOC	mg/l	12	2.9	3.625	4.6	3.50	4.30
Temperature	°C	12	1.1	15.86667	29	15.40	27.10
Total nitrogen	mg/l	12	< 0.5	2.0975	4.9	1.80	2.90
Total phosphorus	mg/l	12	0.075	0.177	0.33	0.15	0.27
Zinc (Zn)	µg/l	12	1.3	14.51667	66.5	4.60	51.20
pH	-	12	7.87	8.275	9.02	8.18	7.99

River: Danube **Catchment:** 669900 km2 **2012**
Distance from mouth: 503 **Altitude:** 12 m **BG4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	7	2.33	2.84571	3.39	3.39	3.39
Ammonium (NH4-N)	mg/l	12	0.008	0.05983	0.216	0.035	0.103
Arsenic (As)	µg/l	12	1.38	2.20583	3.58	1.92	3.48
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	1	1.83333	3.2	1.70	2.20
COD (Cr)	mg/l	12	< 2.61	10.91833	23.9	11.20	13.00
Calcium (Ca++)	mg/l	12	35.3	48.55833	60.9	47.30	57.60
Chloride (Cl-)	mg/l	12	13.5	18.3	24.2	17.40	23.10
Chloroform	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Chromium (Cr) - total	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	8	272	337.125	463	463.00	463.00
Copper (Cu)	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	12	8.27	11.50667	22.9	10.10	13.50
Nitrate (NO3-N)	mg/l	12	0.548	1.30433	2.32	1.09	2.23
Nitrite (NO2-N)	mg/l	12	0.004	0.01425	0.025	0.013	0.022
Organic nitrogen	mg/l	12	< 0.25	0.32567	0.893	0.25	0.515
Orthophosphate (PO4-P)	mg/l	12	0.013	0.07108	0.206	0.045	0.111
Phenol index	mg/l	12	< 0.001	0.00442	0.016	0.001	0.015
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	0.326	3.30033	15	1.07	9.38
Potassium (K+)	mg/l	12	2.13	2.7125	3.86	2.55	3.61
Sodium (Na+)	mg/l	12	9.21	13.25083	18.4	12.10	17.60
Sulphate (SO4--)	mg/l	12	21.9	29.16667	38	30.20	35.60
TOC	mg/l	12	2.88	4.29833	8.79	3.80	5.13
Temperature	°C	12	3.1	14.5	28.6	13.90	23.90
Total nitrogen	mg/l	12	1.2	1.76167	2.79	1.55	2.58
Total phosphorus	mg/l	12	0.05	0.132	0.265	0.09	0.215
Zinc (Zn)	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	12	7.1	7.925	8.4	8.00	7.60

River: Danube **Catchment:** 698600 km2 **2012**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	8	2.33	2.69625	3.18	3.18	3.18
Ammonium (NH4-N)	mg/l	11	0.022	0.09582	0.17	0.094	0.157
Arsenic (As)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	0.02	0.03091	0.05	0.02	0.05
BOD (5)	mg/l	11	< 0.5	1.66364	2.3	1.80	2.20
COD (Cr)	mg/l	11	< 2.61	9.16636	13.3	11.00	12.80
Calcium (Ca++)	mg/l	11	37.8	49.40909	59.7	50.10	56.50
Chloride (Cl-)	mg/l	11	17.3	22.62727	34.7	20.90	27.80
Chromium (Cr) - total	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	8	292	334	369	369.00	369.00
Copper (Cu)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Dissolved oxygen	mg/l	11	6.5	9.32727	14.4	8.30	6.50
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	9.1	10.32182	12.4	9.67	12.10
Nitrate (NO3-N)	mg/l	11	0.484	1.22236	2.15	1.30	1.99
Nitrite (NO2-N)	mg/l	11	0.013	0.01818	0.024	0.019	0.022
Organic nitrogen	mg/l	11	< 0.25	0.30891	0.898	0.25	0.25
Orthophosphate (PO4-P)	mg/l	11	0.004	0.03036	0.046	0.038	0.041
Phenol index	mg/l	11	< 0.001	0.00264	0.019	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.05	2.65182	7.34	1.92	5.80
Potassium (K+)	mg/l	11	2.08	2.71727	3.94	2.49	3.43
Sodium (Na+)	mg/l	11	12.4	15.5	22.3	14.00	21.20
Sulphate (SO4--)	mg/l	11	23.6	30.17273	35.9	31.80	33.50
TOC	mg/l	11	3.23	4.16364	4.9	4.17	4.74
Temperature	°C	11	4.1	15.90909	26.4	16.00	26.10
Total nitrogen	mg/l	11	1.03	1.75273	2.59	1.76	2.57
Total phosphorus	mg/l	11	0.052	0.10427	0.168	0.095	0.142
Zinc (Zn)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	11	7.2	8.11818	8.7	8.10	7.90

River: Danube **Catchment:** 698600 km2 **2012**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	8	2.3	2.73125	3.39	3.39	3.39
Ammonium (NH4-N)	mg/l	11	0.012	0.04055	0.106	0.036	0.051
Arsenic (As)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	0.02	0.03091	0.05	0.02	0.05
BOD (5)	mg/l	11	< 0.5	1.47273	2.2	1.60	2.00
COD (Cr)	mg/l	11	< 2.61	8.37636	12.5	11.10	12.30
Calcium (Ca++)	mg/l	11	37.7	49.47273	60.9	48.80	58.40
Chloride (Cl-)	mg/l	11	15.5	20.53636	29.7	19.50	26.40
Chloroform	µg/l	11	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Chromium (Cr) - total	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	8	289	327.625	365	365.00	365.00
Copper (Cu)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Dissolved oxygen	mg/l	11	6.2	9.31818	14.4	8.40	6.60
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	9.14	10.66273	12.7	9.90	12.40
Nitrate (NO3-N)	mg/l	11	0.567	1.246	2.17	1.32	2.09
Nitrite (NO2-N)	mg/l	11	0.008	0.01509	0.023	0.016	0.02
Organic nitrogen	mg/l	11	< 0.25	0.34927	0.907	0.25	0.685
Orthophosphate (PO4-P)	mg/l	11	0.005	0.03236	0.065	0.037	0.047
Phenol index	mg/l	11	< 0.001	0.00327	0.026	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.05	3.13691	10.5	1.24	10.20
Potassium (K+)	mg/l	11	1.9	2.60545	3.53	2.34	3.53
Sodium (Na+)	mg/l	11	10.5	13.83636	19.2	13.60	18.80
Sulphate (SO4--)	mg/l	11	22.9	30.59091	42.6	31.50	34.60
TOC	mg/l	11	3.03	3.95818	5.33	3.76	4.72
Temperature	°C	11	3.7	15.78182	26.5	16.00	26.20
Total nitrogen	mg/l	11	1	1.72545	2.58	1.65	2.50
Total phosphorus	mg/l	11	0.081	0.10382	0.118	0.108	0.117
Zinc (Zn)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	11	7.5	8.04545	8.6	8.00	7.80

River: Danube **Catchment:** 698600 km2 **2012**
Distance from mouth: 375 **Altitude:** 7 m **BG5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	8	2.33	2.8275	3.39	3.39	3.39
Ammonium (NH4-N)	mg/l	11	0.008	0.04227	0.098	0.042	0.069
Arsenic (As)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	0.02	0.03091	0.05	0.02	0.05
BOD (5)	mg/l	11	1.1	1.52727	2.1	1.50	1.90
COD (Cr)	mg/l	11	< 2.61	9.13909	13.1	11.40	12.20
Calcium (Ca++)	mg/l	11	36.1	49.11818	60.1	48.10	57.70
Chloride (Cl-)	mg/l	11	16.3	19.6	27.8	18.10	24.90
Chloroform	µg/l	11	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Chromium (Cr) - total	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	9	286	342.55556	470	470.00	470.00
Copper (Cu)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Dissolved oxygen	mg/l	11	6.5	9.39091	14.4	8.40	6.70
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	11	9.19	10.81	13.6	10.20	13.10
Nitrate (NO3-N)	mg/l	11	0.582	1.24155	2.23	1.32	1.82
Nitrite (NO2-N)	mg/l	11	0.006	0.01518	0.026	0.014	0.023
Organic nitrogen	mg/l	11	< 0.25	0.33355	0.83	0.25	0.589
Orthophosphate (PO4-P)	mg/l	11	0.015	0.05336	0.15	0.048	0.066
Phenol index	mg/l	11	< 0.001	0.007	0.031	0.001	0.014
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	0.118	4.08264	22	1.36	9.60
Potassium (K+)	mg/l	11	1.83	2.69727	3.76	2.49	3.75
Sodium (Na+)	mg/l	11	9.53	14.28455	19.4	15.10	18.50
Sulphate (SO4--)	mg/l	11	22.3	29.77273	33.8	31.70	32.80
TOC	mg/l	11	3.11	3.97909	5.15	3.98	4.56
Temperature	°C	11	3.5	15.71818	26.4	16.10	26.20
Total nitrogen	mg/l	11	1.02	1.70636	2.54	1.69	2.53
Total phosphorus	mg/l	11	0.059	0.12	0.27	0.117	0.149
Zinc (Zn)	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
pH	-	11	7.6	8.04545	8.5	8.00	7.90

River: Morava **Catchment:** 9725 km² **2012**
Distance from mouth: 79 **Altitude:** 150 m **CZ1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	8.8	14.06667	23	13.00	20.00
Alkalinity - total	mmol/l	12	1.16	2.535	3.36	2.50	3.10
Aluminium (Al)	µg/l	12	51.2	389.55833	1940	100.00	1430.00
Aluminium (Al), dissolved	µg/l	12	< 2.5	8.78083	31.4	5.32	23.10
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.1325	0.66	0.03	0.24
Arsenic (As)	µg/l	12	< 0.5	1.15	1.89	1.20	1.72
Arsenic (As), dissolved	µg/l	12	< 0.5	0.81167	1.65	0.50	1.21
Atrazine	µg/l	12	< 0.001	0.00587	0.0135	0.0057	0.0115
BOD (5)	mg/l	12	0.9	3.15833	5.7	2.40	5.30
COD (Cr)	mg/l	12	11.4	16.45833	21.8	16.30	21.00
Cadmium (Cd)	µg/l	12	< 0.025	0.05842	0.205	0.025	0.175
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca ⁺⁺)	mg/l	12	25.5	49.74167	69.6	53.00	59.80
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chloride (Cl ⁻)	mg/l	12	8.5	30.51667	50.9	30.90	40.60
Chloroform	µg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Chromium (Cr) - total	µg/l	12	0.536	1.50942	3.68	0.877	3.62
Conductivity	µS/cm	12	23.3	47.275	62.4	48.10	61.80
Copper (Cu)	µg/l	12	2.85	5.12	8.96	4.59	8.89
Copper (Cu), dissolved	µg/l	12	1.63	2.59917	4.24	2.33	3.41
DOC	mg/l	12	2.3	3.46583	4.65	3.39	4.11
Dissolved oxygen	mg/l	12	9.5	12.28333	15.9	12.00	10.30
Flow	m ³ /s	366	10.2	43.3306	304	26.00	97.40
Iron (Fe)	mg/l	12	0.14	0.65392	2.38	0.265	2.17
Lead (Pb)	µg/l	12	< 0.25	5.17408	48.6	0.611	5.67
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gamma-HCH)	µg/l	12	< 0.001	0.00159	0.0038	0.001	0.0026
Magnesium (Mg ⁺⁺)	mg/l	12	4.27	9.13167	12.6	8.95	11.50
Manganese (Mn)	mg/l	12	0.062	0.16558	0.36	0.145	0.256
Mercury (Hg)	µg/l	12	< 0.025	0.05625	0.4	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	3.4	4.73333	6.56	4.43	6.41
Nickel (Ni), dissolved	µg/l	12	1.85	3.40667	4.53	3.62	4.39
Nitrate (NO ₃ -N)	mg/l	12	0.44	2.055	4.07	1.99	3.46
Nitrite (NO ₂ -N)	mg/l	12	0.013	0.0275	0.047	0.025	0.038
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.005	0.05567	0.092	0.046	0.087
PAHs (Borneff 6)	µg/l	12	0.0053	0.0248	0.0572	0.0185	0.0554
Phenol index	mg/l	12	< 0.0004	0.00046	0.0011	0.0004	0.0004

River: Morava **Catchment:** 9725 km2 **2012**
Distance from mouth: 79 **Altitude:** 150 m **CZ1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	3.2	37.16667	130	9.20	89.80
Potassium (K+)	mg/l	12	2.26	5.6925	8.08	5.39	7.36
Sodium (Na+)	mg/l	12	7.32	24.46	36.7	23.20	32.70
Sulphate (SO4--)	mg/l	12	21.9	51.1	67.8	52.40	65.70
Suspended solids	mg/l	12	3	24.58333	71	17.00	69.00
TOC	mg/l	12	3.21	4.2475	6.13	4.03	4.80
Temperature	°C	12	0.6	13.275	27	12.50	25.20
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Total phosphorus	mg/l	12	0.059	0.15125	0.344	0.134	0.204
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Zinc (Zn)	µg/l	12	< 2.5	26.2475	177	11.80	26.70
p,p'-DDT	µg/l	12	< 0.001	0.00113	0.0026	0.001	0.001
pH	-	12	7.8	8.15833	8.8	8.00	7.80

River: Morava/Dyje **Catchment:** 12540 km² **2012**
Distance from mouth: 17 **Altitude:** 155 m **CZ2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	16	22.75	33	22.00	27.00
Alkalinity - total	mmol/l	12	2.18	2.94833	3.42	3.02	3.27
Aluminium (Al)	µg/l	12	39.1	161.025	313	165.00	298.00
Aluminium (Al), dissolved	µg/l	12	< 2.5	5.51167	16.3	2.50	10.80
Ammonium (NH ₄ -N)	mg/l	12	0.04	0.14	0.29	0.10	0.26
Arsenic (As)	µg/l	12	1.27	2.78917	5.78	1.92	5.65
Arsenic (As), dissolved	µg/l	12	< 0.5	2.3075	5.08	1.91	5.08
Atrazine	µg/l	12	0.0085	0.01284	0.0186	0.0128	0.0169
BOD (5)	mg/l	12	1.1	2.375	4.4	2.00	3.60
COD (Cr)	mg/l	13	4	20.16154	26.6	22.00	26.20
Cadmium (Cd)	µg/l	12	< 0.025	0.0275	0.055	0.025	0.025
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca ⁺⁺)	mg/l	12	38.3	54.99167	67.3	54.60	63.80
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chloride (Cl ⁻)	mg/l	12	35.4	55.70833	118	50.10	60.20
Chloroform	µg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Chromium (Cr) - total	µg/l	12	0.731	1.19683	1.93	1.09	1.64
Conductivity	µS/cm	12	52.6	63.95833	73.8	63.50	69.30
Copper (Cu)	µg/l	12	2.85	3.98167	7.51	3.57	4.68
Copper (Cu), dissolved	µg/l	12	2.01	2.6075	3.24	2.48	3.20
DOC	mg/l	12	4.81	5.9875	7.3	5.90	6.81
Dissolved oxygen	mg/l	12	7.2	11.23333	15.7	10.00	8.20
Flow	m ³ /s	366	10.3	23.58525	135.2	18.40	35.10
Iron (Fe)	mg/l	12	0.118	0.31575	0.611	0.313	0.535
Lead (Pb)	µg/l	12	< 0.25	0.957	3.06	0.758	1.48
Lead (Pb), dissolved	µg/l	12	< 0.25	0.2805	0.616	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.001	0.00109	0.0021	0.001	0.001
Magnesium (Mg ⁺⁺)	mg/l	12	14.9	19.56667	22.8	19.00	22.00
Manganese (Mn)	mg/l	12	0.07	0.25375	0.634	0.139	0.589
Mercury (Hg)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	12	4.28	4.91667	7.75	4.69	5.08
Nickel (Ni), dissolved	µg/l	12	2.14	3.71333	4.88	4.07	4.37
Nitrate (NO ₃ -N)	mg/l	12	0.17	1.6125	4.18	0.82	3.97
Nitrite (NO ₂ -N)	mg/l	12	0.011	0.0275	0.055	0.024	0.039
Orthophosphate (PO ₄ -P)	mg/l	12	0.065	0.283	0.74	0.199	0.662
PAHs (Borneff 6)	µg/l	12	0.0047	0.01433	0.0235	0.0119	0.0234
Phenol index	mg/l	12	< 0.0004	0.00046	0.0011	0.0004	0.0004

River: Morava/Dyje **Catchment:** 12540 km2 **2012**
Distance from mouth: 17 **Altitude:** 155 m **CZ2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1.25	16.87917	46.5	5.90	41.50
Potassium (K+)	mg/l	12	6.7	8.48333	9.52	8.50	9.40
Sodium (Na+)	mg/l	12	26.2	37.65833	46	37.60	43.20
Sulphate (SO4--)	mg/l	12	65	91.425	113	90.30	108.00
Suspended solids	mg/l	12	2	11.83333	20	12.00	18.00
TOC	mg/l	12	5.03	6.38917	7.58	6.34	7.36
Temperature	°C	12	1.2	12.84167	25	11.30	24.10
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Total phosphorus	mg/l	12	0.123	0.40783	0.929	0.346	0.817
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Zinc (Zn)	µg/l	12	< 2.5	8.8775	25.8	7.78	13.20
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	7.9	8.16667	8.5	8.10	8.00

River: Danube **Catchment:** 77086 km2 **2012**
Distance from mouth: 2204 **Altitude:** 290 m **DE2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	18	< 5	9.16667	40	5.00	30.00
Alkalinity - total	mmol/l	25	2.44	3.008	3.72	3.11	3.36
Ammonium (NH4-N)	mg/l	37	< 0.01	0.03657	0.15	0.02	0.10
Arsenic (As)	µg/l	18	< 0.5	5.80556	18	2.00	14.40
Arsenic (As), dissolved	µg/l	12	< 0.5	0.75	1	0.50	1.00
Atrazine	µg/l	17	< 0.005	0.01176	0.02	0.01	0.02
BOD (5)	mg/l	25	< 0.5	1.244	2.6	1.20	2.30
COD (Cr)	mg/l	24	6.2	9.33833	18	8.50	11.00
Cadmium (Cd)	µg/l	18	< 0.05	0.14111	0.43	0.05	0.35
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Carbon tetrachloride	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Chloride (Cl-)	mg/l	25	9	17.312	46	14.00	25.00
Chloroform	µg/l	11	< 0.005	0.02445	0.19	0.005	0.02
Chromium (Cr) - total	µg/l	18	2	17.35	62.9	3.00	53.60
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	25	260	340.88	445	350.00	410.00
Copper (Cu)	µg/l	18	2	17.71111	79.8	5.00	45.90
Copper (Cu), dissolved	µg/l	12	1	1.66667	2	2.00	2.00
DOC	mg/l	25	1.6	2.464	4.3	2.30	3.20
Dissolved oxygen	mg/l	25	8.5	10.588	12.4	10.70	9.00
Flow	m3/s	366	820	1517.4071	3494	1446.00	2088.00
Iron (Fe)	mg/l	31	0.18	5934.5658	36030	0.99	29830
Lead (Pb)	µg/l	18	< 0.5	7.97778	25	2.00	24.90
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	11	< 0.005	< 0.005	< 0.005	0.005	0.005
Manganese (Mn)	mg/l	31	0.014	162.60784	1080	0.034	845.00
Mercury (Hg), dissolved	µg/l	12	< 0.0025	0.00404	0.008	0.0025	0.006
Nickel (Ni)	µg/l	18	2	13.32222	41.7	4.00	35.90
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.58333	1	0.50	1.00
Nitrate (NO3-N)	mg/l	37	0.95	1.79757	3.3	1.52	2.97
Nitrite (NO2-N)	mg/l	37	0.005	0.01197	0.033	0.01	0.021
Orthophosphate (PO4-P)	mg/l	37	< 0.0025	0.03014	0.072	0.028	0.059
Phytoplankton (biomass - chlorophyll-a)	µg/l	17	1	9.29412	31	3.00	31.00
Sulphate (SO4--)	mg/l	20	16	22.2	28	23.00	25.00
Suspended solids	mg/l	25	6	25.16	58	22.00	42.00
TOC	mg/l	25	1.9	3.124	6.8	2.80	4.50
Temperature	°C	25	3.6	11.844	21.2	12.50	19.00
Tetrachloroethylene	µg/l	11	< 0.005	0.03818	0.09	0.034	0.063

River: Danube **Catchment:** 77086 km2 **2012**
Distance from mouth: 2204 **Altitude:** 290 m **DE2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total nitrogen	mg/l	25	1.2	1.924	3.3	1.50	3.20
Total phosphorus	mg/l	36	0.025	0.07369	0.162	0.067	0.13
Total phosphorus, dissolved	mg/l	36	0.013	0.04444	0.141	0.038	0.076
Trichloroethylene	µg/l	11	< 0.005	0.01691	0.035	0.015	0.027
Zinc (Zn)	µg/l	18	< 5	40.19444	120	10.00	113.00
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
pH	-	25	8.1	8.214	8.6	8.20	8.10

River: Inn **Catchment:** 9905 km2 **2012**
Distance from mouth: 195 **Altitude:** 452 m **DE3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	16	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	2	1.9	1.925	1.95		
Ammonium (NH4-N)	mg/l	25	< 0.01	0.0388	0.11	0.03	0.06
Arsenic (As)	µg/l	14	1	2.14286	6	2.00	4.00
Arsenic (As), dissolved	µg/l	14	< 0.5	1.03571	2	1.00	1.00
BOD (5)	mg/l	25	< 0.5	0.824	2.5	0.50	1.50
Cadmium (Cd)	µg/l	14	< 0.05	0.08929	0.3	0.05	0.30
Cadmium (Cd), dissolved	µg/l	14	< 0.025	0.03143	0.08	0.025	0.06
Calcium (Ca++)	mg/l	14	27	35.78571	48	37.00	44.00
Carbon tetrachloride	µg/l	10	< 0.005	0.0057	0.012	0.012	0.012
Chloride (Cl-)	mg/l	25	3	6.852	21	4.80	14.00
Chloroform	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr) - total	µg/l	14	< 0.5	1.32143	4	0.50	4.00
Chromium (Cr), total	µg/l	14	< 0.5	0.57143	1	0.50	1.00
Copper (Cu)	µg/l	14	< 0.5	3.25	9	2.00	9.00
Copper (Cu), dissolved	µg/l	14	< 0.5	1.25	3	1.00	2.00
DOC	mg/l	14	1	1.58571	2.5	1.40	2.30
Dissolved oxygen	mg/l	25	8.8	11.036	13.5	11.10	9.50
Flow	m3/s	366	111	341.75137	991	277.00	603.00
Iron (Fe)	mg/l	14	0.05	0.88929	2.9	0.36	2.60
Lead (Pb)	µg/l	14	< 0.5	1.5	8	0.50	4.00
Lead (Pb), dissolved	µg/l	14	< 0.5	0.60714	2	0.50	0.50
Magnesium (Mg++)	mg/l	14	7	9.67857	13	10.00	12.00
Manganese (Mn)	mg/l	14	0.004	0.028	0.13	0.012	0.08
Mercury (Hg), dissolved	µg/l	14	< 0.0025	0.00421	0.017	0.0025	0.006
Nickel (Ni)	µg/l	14	< 0.5	3.64286	10	2.00	10.00
Nickel (Ni), dissolved	µg/l	14	< 0.5	1.75	10	1.00	2.00
Nitrate (NO3-N)	mg/l	24	0.2	0.5125	0.8	0.40	0.80
Nitrite (NO2-N)	mg/l	24	< 0.0025	0.00625	0.028	0.0025	0.017
Orthophosphate (PO4-P)	mg/l	25	< 0.0025	0.00666	0.021	0.005	0.015
Potassium (K+)	mg/l	13	1.3	1.59231	2.3	1.50	2.10
Sodium (Na+)	mg/l	13	2.2	4.35385	9.1	3.20	7.20
Sulphate (SO4--)	mg/l	15	15	29.6	40	31.00	36.00
Suspended solids	mg/l	25	< 1.5	61.72	256	26.00	184.00
TOC	mg/l	25	1.2	2.144	4.3	2.00	3.50
Temperature	°C	25	-0.3	8.624	24.2	7.80	14.10
Tetrachloroethylene	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
Total nitrogen	mg/l	11	0.4	0.68182	1	0.60	0.90

River: Inn **Catchment:** 9905 km2 **2012**
Distance from mouth: 195 **Altitude:** 452 m **DE3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	25	0.013	0.08824	0.417	0.041	0.187
Total phosphorus, dissolved	mg/l	22	0.007	0.01114	0.022	0.01	0.018
Trichloroethylene	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
Zinc (Zn)	µg/l	14	< 5	9.28571	40	5.00	20.00
Zinc (Zn), dissolved	µg/l	14	< 5	< 5	< 5	5.00	5.00
pH	-	26	7.4	8.12308	8.6	8.10	7.90

River: Inn/Salzach **Catchment:** 6113 km² **2012**
Distance from mouth: 47 **Altitude:** 390 m **DE4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	12	1.99	2.38917	2.93	2.47	2.87
Ammonium (NH ₄ -N)	mg/l	26	< 0.01	0.02808	0.08	0.03	0.06
Arsenic (As)	µg/l	13	< 0.5	1.03846	3	0.50	2.00
Arsenic (As), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
BOD (5)	mg/l	26	< 0.5	1.92692	3.8	2.00	3.30
Cadmium (Cd)	µg/l	13	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	13	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca ⁺⁺)	mg/l	12	33.6	41.59167	52.6	42.20	52.10
Carbon tetrachloride	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
Chloride (Cl ⁻)	mg/l	26	2.6	7.83846	19	6.50	18.00
Chloroform	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
Chromium (Cr) - total	µg/l	13	< 0.5	1.15385	3	1.00	2.00
Chromium (Cr), total	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	26	171	264.80769	364	266.00	348.00
Copper (Cu)	µg/l	13	1	2.76923	6	3.00	4.00
Copper (Cu), dissolved	µg/l	13	< 0.5	0.69231	1	0.50	1.00
DOC	mg/l	13	1	1.70769	2.5	1.90	2.40
Dissolved oxygen	mg/l	26	9.6	11.76923	13.8	11.70	10.30
Flow	m ³ /s	366	92.8	278.97104	803	255.00	460.00
Iron (Fe)	mg/l	13	0.16	0.87923	2.9	0.49	2.40
Lead (Pb)	µg/l	13	< 0.5	0.73077	2	0.50	1.00
Lead (Pb), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Magnesium (Mg ⁺⁺)	mg/l	12	6.5	8.51667	11.4	8.70	10.20
Manganese (Mn)	mg/l	13	0.014	0.03962	0.1	0.031	0.083
Mercury (Hg), dissolved	µg/l	13	< 0.0025	0.00365	0.011	0.0025	0.009
Nickel (Ni)	µg/l	13	< 0.5	1.84615	5	1.00	4.00
Nickel (Ni), dissolved	µg/l	13	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	26	0.43	0.63154	0.99	0.58	0.86
Nitrite (NO ₂ -N)	mg/l	26	< 0.0025	0.00444	0.01	0.0025	0.008
Orthophosphate (PO ₄ -P)	mg/l	26	0.006	0.01219	0.035	0.011	0.02
Potassium (K ⁺)	mg/l	13	0.9	1.36923	2.3	1.30	1.70
Sodium (Na ⁺)	mg/l	13	2.9	6.34615	13	5.30	12.00
Sulphate (SO ₄ ⁻⁻)	mg/l	13	11	18.69231	30	19.00	22.00
Suspended solids	mg/l	25	< 1.5	30.6	185	15.00	71.00
TOC	mg/l	26	1.1	2.42308	4.6	2.30	4.00
Temperature	°C	26	0.7	8.55385	15.5	9.30	14.40
Tetrachloroethylene	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005

River: Inn/Salzach **Catchment:** 6113 km2 **2012**
Distance from mouth: 47 **Altitude:** 390 m **DE4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total nitrogen	mg/l	26	0.6	0.77308	1.1	0.70	1.00
Total phosphorus	mg/l	26	0.016	0.05081	0.186	0.041	0.104
Total phosphorus, dissolved	mg/l	26	0.01	0.02108	0.067	0.017	0.033
Trichloroethylene	µg/l	9	< 0.005	< 0.005	< 0.005	0.005	0.005
Zinc (Zn)	µg/l	13	< 5	5.76923	10	5.00	10.00
Zinc (Zn), dissolved	µg/l	13	< 5	< 5	< 5	5.00	5.00
pH	-	26	8.1	8.24231	8.6	8.20	8.10

River: Danube **Catchment:** 11315 km2 **2012**
Distance from mouth: 2538 **Altitude:** 420 m **DE5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	16	< 5	5.625	15	5.00	5.00
Alkalinity - total	mmol/l	13	3.6	4.27	5.25	4.25	4.80
Ammonium (NH4-N)	mg/l	26	0.02	0.05846	0.13	0.06	0.10
Arsenic (As)	µg/l	12	< 0.5	0.70833	1	0.50	1.00
Arsenic (As), dissolved	µg/l	12	< 0.5	0.54167	1	0.50	0.50
Atrazine	µg/l	18	< 0.005	0.01222	0.02	0.01	0.02
BOD (5)	mg/l	26	< 0.5	1.24231	2.5	1.20	1.90
Cadmium (Cd)	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca++)	mg/l	22	64.2	78.8	97	80.00	91.60
Carbon tetrachloride	µg/l	23	< 0.005	< 0.005	< 0.005	0.005	0.005
Chloride (Cl-)	mg/l	25	16	26.808	51	27.00	39.00
Chloroform	µg/l	20	< 0.005	0.0056	0.017	0.005	0.005
Chromium (Cr) - total	µg/l	12	< 0.5	1.33333	6	0.50	2.00
Chromium (Cr), total	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	4	414	519.75	615	615.00	615.00
Copper (Cu)	µg/l	12	< 0.5	1.70833	3	2.00	2.00
Copper (Cu), dissolved	µg/l	12	1	1.58333	2	2.00	2.00
DOC	mg/l	13	1.7	2.54615	4.7	2.10	3.60
Dissolved oxygen	mg/l	26	8.8	10.95385	14.1	10.70	9.30
Flow	m3/s	366	76.6	173.01913	505	148.00	291.00
Iron (Fe)	mg/l	12	0.078	0.55067	2.8	0.25	0.85
Lead (Pb)	µg/l	12	< 0.5	0.83333	4	0.50	1.00
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Magnesium (Mg++)	mg/l	22	9	12.08182	14.4	12.30	13.80
Manganese (Mn)	mg/l	12	0.013	0.04008	0.2	0.022	0.052
Mercury (Hg), dissolved	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Nickel (Ni)	µg/l	12	< 0.5	0.91667	3	0.50	1.00
Nickel (Ni), dissolved	µg/l	10	< 0.5	0.7	1	1.00	1.00
Nitrate (NO3-N)	mg/l	25	1.8	2.556	4	2.50	3.20
Nitrite (NO2-N)	mg/l	25	0.011	0.0176	0.03	0.017	0.024
Orthophosphate (PO4-P)	mg/l	26	0.011	0.03738	0.068	0.042	0.055
Phytoplankton (biomass - chlorophyll-a)	µg/l	20	< 0.5	5.13	17	4.30	8.60
Potassium (K+)	mg/l	23	1.8	2.46957	3.4	2.50	3.00
Sodium (Na+)	mg/l	23	9.8	14.17391	30	13.80	17.00
Sulphate (SO4--)	mg/l	13	14	17	20	17.00	20.00
Suspended solids	mg/l	24	< 1.5	16.4375	120	8.00	37.00
TOC	mg/l	26	1.7	3.03846	9	2.50	4.90

River: Danube **Catchment:** 11315 km² **2012**
Distance from mouth: 2538 **Altitude:** 420 m **DE5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	26	0.1	11.33846	22.7	12.20	19.40
Tetrachloroethylene	µg/l	23	< 0.005	0.01935	0.05	0.005	0.037
Total nitrogen	mg/l	26	2.2	2.87308	4.4	2.70	3.80
Total phosphorus	mg/l	25	0.04	0.08984	0.25	0.072	0.146
Total phosphorus, dissolved	mg/l	26	0.021	0.04692	0.077	0.048	0.064
Trichloroethylene	µg/l	23	< 0.005	0.00543	0.01	0.005	0.005
Zinc (Zn)	µg/l	12	< 5	6.66667	20	5.00	10.00
Zinc (Zn), dissolved	µg/l	11	< 5	5.90909	10	5.00	10.00
pH	-	26	8	8.20385	8.4	8.20	8.10

River: Danube **Catchment:** 210250 km² **2012**
Distance from mouth: 1429 **Altitude:** 86 m **HR1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.168	1.55308	1.911	1.525	1.822
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.02817	0.068	0.024	0.043
Anionic active surfactants	mg/l	4	< 0.03	0.0475	0.1	0.10	0.10
Arsenic (As), dissolved	µg/l	12	0.624	1.19792	2.553	0.996	1.515
BOD (5)	mg/l	12	0.6	1.53333	3.4	1.30	2.20
COD (Cr)	mg/l	10	5.9	8.69	11.5	11.50	11.50
COD (Mn)	mg/l	12	2.2	3.51667	6.7	3.30	4.70
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.009	0.031	0.005	0.015
Calcium (Ca ⁺⁺)	mg/l	12	37.6	49.94167	66	48.00	59.50
Chloride (Cl ⁻)	mg/l	12	10.55	16.60167	23.63	15.25	23.13
Chromium (Cr), total	µg/l	12	0.12	0.33067	0.709	0.286	0.67
Conductivity	µS/cm	12	297	387.25	494	386.00	448.00
Copper (Cu), dissolved	µg/l	12	0.534	1.35433	3.26	1.057	2.209
Dissolved oxygen	mg/l	12	8	10.43333	13.4	10.70	8.10
Lead (Pb), dissolved	µg/l	12	0.056	0.28442	0.83	0.209	0.586
Lindane (gamma-HCH)	µg/l	4	< 0.00075	<0.00075	<0.00075	0.0008	0.0008
Magnesium (Mg ⁺⁺)	mg/l	12	9.2	12.24167	16.4	12.20	14.80
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00207	0.0045	0.001	0.0044
Nickel (Ni), dissolved	µg/l	12	0.249	0.77625	1.773	0.707	1.164
Nitrate (NO ₃ -N)	mg/l	12	0.88	1.60833	2.72	1.39	2.50
Nitrite (NO ₂ -N)	mg/l	12	0.003	0.009	0.024	0.006	0.016
Organic nitrogen	mg/l	12	0.056	0.23242	0.49	0.167	0.475
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.03733	0.062	0.037	0.057
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.01025	0.02	0.02	0.02
Phenol index	mg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Potassium (K ⁺)	mg/l	12	1.36	2.29167	3.29	2.37	3.21
Silicates(SiO ₂), dissolved	mg/l	12	1.42	6.02333	17.23	4.80	6.98
Sodium (Na ⁺)	mg/l	12	7.35	11.53708	15.73	9.90	15.57
Sulphate (SO ₄ ⁻⁻)	mg/l	12	20.3	26.20833	34.2	24.80	32.90
Suspended solids	mg/l	12	4	25.05	48.4	22.00	39.00
TOC	mg/l	12	1.73	2.82667	6.27	2.57	3.23
Temperature	°C	12	2.3	13.925	25.9	11.80	23.00
Total nitrogen	mg/l	12	1.14	1.87667	3.18	1.56	2.81
Total phosphorus	mg/l	12	0.051	0.0955	0.145	0.087	0.144
Zinc (Zn), dissolved	µg/l	12	0.162	1.50767	3.007	1.403	2.62
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.99	8.24583	8.82	8.18	8.09

River: Danube **Catchment:** 210250 km2 **2012**
Distance from mouth: 1429 **Altitude:** 86 m **HR1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Macrozoobenthos - number of families	-	1	8	8	8		
Temperature	°C	1	4	4	4		

River: Sava **Catchment:** 10878 km2 **2012**
Distance from mouth: 729 **Altitude:** 135 m **HR10**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.09	2.598	3.04	3.04	3.04
Ammonium (NH4-N)	mg/l	10	0.02	0.0456	0.083	0.083	0.083
Anionic active surfactants	mg/l	10	< 0.03	0.0539	0.095	0.095	0.095
Arsenic (As), dissolved	µg/l	10	0.391	0.7859	1.245	1.245	1.245
BOD (5)	mg/l	10	< 0.3	1.77	3	3.00	3.00
COD (Cr)	mg/l	10	< 2	8.01	13.6	13.60	13.60
COD (Mn)	mg/l	10	1.7	3.52	5.8	5.80	5.80
Cadmium (Cd), dissolved	µg/l	10	< 0.005	0.0063	0.018	0.018	0.018
Calcium (Ca++)	mg/l	10	62.2	77.7	97.5	97.50	97.50
Chloride (Cl-)	mg/l	10	10.06	14.905	20.03	20.03	20.03
Chromium (Cr), total	µg/l	10	0.208	0.3554	0.645	0.645	0.645
Conductivity	µS/cm	10	480	539.3	624	624.00	624.00
Copper (Cu), dissolved	µg/l	10	0.218	0.9593	1.858	1.858	1.858
Dissolved oxygen	mg/l	10	8.9	10.9	14.1	8.90	8.90
Flow	m3/s	366	54.5	239.63743	2547	148.00	510.00
Lead (Pb), dissolved	µg/l	10	0.027	0.1649	0.456	0.456	0.456
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	<0.00075	0.0008	0.0008
Magnesium (Mg++)	mg/l	10	14.6	19.01	22.9	22.90	22.90
Mercury (Hg), dissolved	µg/l	10	< 0.001	0.00298	0.0143	0.0143	0.0143
Nickel (Ni), dissolved	µg/l	10	0.366	0.9014	2.153	2.153	2.153
Nitrate (NO3-N)	mg/l	10	0.36	1.21	2.43	2.43	2.43
Nitrite (NO2-N)	mg/l	10	< 0.0005	0.01285	0.03	0.03	0.03
Organic nitrogen	mg/l	10	0.022	0.2436	0.726	0.726	0.726
Orthophosphate (PO4-P)	mg/l	10	< 0.0025	0.04075	0.097	0.097	0.097
Potassium (K+)	mg/l	10	2.41	3.09	4.89	4.89	4.89
Silicates(SiO2), dissolved	mg/l	10	0.84	7.373	21.38	21.38	21.38
Sodium (Na+)	mg/l	10	8.1	12.0013	18.16	18.16	18.16
Sulphate (SO4--)	mg/l	10	19.3	24.97	32.1	32.10	32.10
Suspended solids	mg/l	10	< 1	9.44	29.6	29.60	29.60
TOC	mg/l	10	1.77	3.158	4.1	4.10	4.10
Temperature	°C	12	1.1	27.90833	205	12.60	23.90
Total nitrogen	mg/l	10	0.68	1.512	3.18	3.18	3.18
Total phosphorus	mg/l	10	< 0.0125	0.08145	0.145	0.145	0.145
Zinc (Zn), dissolved	µg/l	10	0.608	2.5585	6.09	6.09	6.09
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	10	8.01	8.25	8.37	8.01	8.01

River: Sava **Catchment:** 10878 km2 **2012**
Distance from mouth: 729 **Altitude:** 135 m **HR10**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Macrozoobenthos - number of families	-	1	29	29	29		
Temperature	°C	1	4	4	4		

River: Danube **Catchment:** 243147 km² **2012**
Distance from mouth: 1337 **Altitude:** 89 m **HR2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.18	1.51909	1.84	1.54	1.81
Ammonium (NH ₄ -N)	mg/l	11	< 0.005	0.02855	0.076	0.028	0.048
Arsenic (As), dissolved	µg/l	11	0.568	1.38973	2.085	1.405	2.053
BOD (5)	mg/l	11	< 0.3	2.30909	3.6	2.60	3.60
COD (Mn)	mg/l	11	2	3.30909	4.6	3.40	4.60
Cadmium (Cd), dissolved	µg/l	11	< 0.005	0.01109	0.033	0.005	0.025
Calcium (Ca ⁺⁺)	mg/l	11	38.4	49.81818	69.3	47.00	63.90
Chloride (Cl ⁻)	mg/l	11	10.9	15.34	27.4	14.66	18.90
Chromium (Cr), total	µg/l	11	0.044	0.30964	0.971	0.251	0.369
Conductivity	µS/cm	11	300	374.36364	511	388.00	450.00
Copper (Cu), dissolved	µg/l	11	0.351	1.59773	3.799	1.503	2.50
Dissolved oxygen	mg/l	11	8.5	11.12727	13.6	10.90	8.50
Lead (Pb), dissolved	µg/l	11	0.072	0.27418	0.761	0.159	0.622
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	<0.00075	0.0008	0.0008
Magnesium (Mg ⁺⁺)	mg/l	11	9.6	12.55455	17.1	11.80	16.20
Mercury (Hg), dissolved	µg/l	11	< 0.001	0.00273	0.0174	0.001	0.0036
Nickel (Ni), dissolved	µg/l	11	0.225	0.55309	0.889	0.567	0.793
Nitrate (NO ₃ -N)	mg/l	11	0.56	1.38182	2.68	1.35	1.96
Nitrite (NO ₂ -N)	mg/l	11	0.003	0.00718	0.027	0.005	0.008
Organic nitrogen	mg/l	11	0.056	0.25518	0.582	0.175	0.545
Orthophosphate (PO ₄ -P)	mg/l	11	< 0.0025	0.02286	0.049	0.021	0.046
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.00338	0.006	0.006	0.006
Potassium (K ⁺)	mg/l	11	1.46	2.33091	3.03	2.44	2.94
Silicates(SiO ₂), dissolved	mg/l	11	0.91	5.36	9.34	5.37	6.94
Sodium (Na ⁺)	mg/l	11	7.58	11.21091	19.75	10.49	14.84
Sulphate (SO ₄ ⁻⁻)	mg/l	11	20.9	27.11818	39.3	27.10	31.80
Suspended solids	mg/l	11	6	14.63636	20	15.50	19.30
TOC	mg/l	11	1.77	2.52545	3.34	2.44	3.31
Temperature	°C	11	3	15.38182	25.1	15.10	23.30
Total nitrogen	mg/l	11	1.14	1.67182	2.82	1.58	2.11
Total phosphorus	mg/l	11	0.048	0.07782	0.188	0.07	0.086
Zinc (Zn), dissolved	µg/l	11	0.253	1.92055	5.454	1.968	3.317
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	11	8.02	8.29182	8.66	8.18	8.05

River: Drava **Catchment:** 31038 km2 **2012**
Distance from mouth: 227 **Altitude:** 123 m **HR4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.01	1.245	1.6	1.24	1.50
Ammonium (NH ₄ -N)	mg/l	12	0.019	0.04067	0.097	0.032	0.07
Anionic active surfactants	mg/l	4	< 0.03	0.04975	0.079	0.079	0.079
Arsenic (As), dissolved	µg/l	12	0.589	0.99833	1.349	0.944	1.278
BOD (5)	mg/l	12	0.6	1.65833	2.9	1.30	2.60
COD (Cr)	mg/l	12	5.2	8.2	15.3	7.20	10.00
COD (Mn)	mg/l	12	2	3.05	5.1	2.90	3.80
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01117	0.022	0.012	0.017
Calcium (Ca ⁺⁺)	mg/l	12	32.2	39.73333	48.2	37.30	48.10
Chloride (Cl ⁻)	mg/l	12	5.99	8.26	14.18	6.75	12.47
Chromium (Cr), total	µg/l	12	0.159	0.29975	0.46	0.274	0.446
Conductivity	µS/cm	12	241	294.25	395	261.00	395.00
Copper (Cu), dissolved	µg/l	12	0.274	0.802	1.864	0.695	1.61
Dissolved oxygen	mg/l	12	7.5	10.08333	12.6	9.30	8.30
Lead (Pb), dissolved	µg/l	12	0.055	0.37308	0.95	0.312	0.61
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	< 0.00075	0.0008	0.0008
Magnesium (Mg ⁺⁺)	mg/l	12	7.5	9.49167	11.7	9.50	11.50
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.002	0.0091	0.001	0.0036
Nickel (Ni), dissolved	µg/l	12	0.164	0.56775	1.592	0.54	0.789
Nitrate (NO ₃ -N)	mg/l	12	0.67	0.95833	1.26	0.90	1.25
Nitrite (NO ₂ -N)	mg/l	12	0.004	0.016	0.098	0.008	0.014
Organic nitrogen	mg/l	12	0.06	0.17	0.371	0.108	0.337
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.01446	0.028	0.013	0.024
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.00675	0.015	0.015	0.015
Phenol index	mg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Potassium (K ⁺)	mg/l	12	1.21	1.9	2.51	1.96	2.36
Silicates(SiO ₂), dissolved	mg/l	12	4.79	7.72083	22.31	6.30	8.09
Sodium (Na ⁺)	mg/l	12	5.05	7.53117	13.63	5.86	11.684
Sulphate (SO ₄ ⁻⁻)	mg/l	12	18.3	22.61667	31.3	21.70	29.80
Suspended solids	mg/l	12	< 1	16.85	49.5	12.40	29.30
TOC	mg/l	12	1.57	1.94333	2.73	1.67	2.69
Temperature	°C	12	2.3	13.125	23.9	9.90	20.60
Total nitrogen	mg/l	12	0.85	1.185	1.48	1.21	1.46
Total phosphorus	mg/l	12	< 0.0125	0.06071	0.119	0.053	0.091
Zinc (Zn), dissolved	µg/l	12	0.971	2.09567	4.243	1.71	4.187
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.87	8.05833	8.19	8.07	7.96

River: Drava **Catchment:** 37142 km2 **2012**
Distance from mouth: 78 **Altitude:** 92 m **HR5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.06	1.29583	1.77	1.25	1.60
Ammonium (NH4-N)	mg/l	12	< 0.005	0.02283	0.048	0.016	0.04
Anionic active surfactants	mg/l	4	< 0.03	0.05075	0.081	0.081	0.081
Arsenic (As), dissolved	µg/l	12	0.625	1.16925	1.515	1.196	1.487
BOD (5)	mg/l	12	1	1.96667	3	1.80	2.50
COD (Cr)	mg/l	12	5.4	8	12.5	7.00	12.00
COD (Mn)	mg/l	12	2	3	4.6	2.70	4.50
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01108	0.033	0.005	0.024
Calcium (Ca++)	mg/l	12	32.2	40.975	51.7	39.30	51.20
Chloride (Cl-)	mg/l	12	5.95	8.76	14.54	7.39	14.18
Chromium (Cr), total	µg/l	12	0.174	0.32558	0.898	0.238	0.43
Conductivity	µS/cm	12	242	301.66667	414	281.00	383.00
Copper (Cu), dissolved	µg/l	12	0.198	0.79717	1.608	0.63	1.474
Dissolved oxygen	mg/l	12	7.7	10.33333	13.3	9.80	8.50
Lead (Pb), dissolved	µg/l	12	0.204	0.466	0.827	0.252	0.811
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	<0.00075	0.0008	0.0008
Magnesium (Mg++)	mg/l	12	7.6	10.13333	12.7	9.50	12.20
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00181	0.0059	0.001	0.0058
Nickel (Ni), dissolved	µg/l	12	0.201	0.54708	1.667	0.468	0.831
Nitrate (NO3-N)	mg/l	12	0.64	0.95333	1.25	0.89	1.20
Nitrite (NO2-N)	mg/l	12	0.003	0.01292	0.078	0.007	0.012
Organic nitrogen	mg/l	12	0.055	0.1755	0.383	0.147	0.286
Orthophosphate (PO4-P)	mg/l	12	0.008	0.01525	0.025	0.016	0.021
Petroleum hydrocarbons	mg/l	4	< 0.0025	0.01363	0.036	0.036	0.036
Phenol index	mg/l	4	< 0.0015	0.00863	0.03	0.03	0.03
Potassium (K+)	mg/l	12	1.24	1.96333	2.58	1.99	2.38
Silicates(SiO2), dissolved	mg/l	12	4.32	7.7625	23.48	6.38	8.26
Sodium (Na+)	mg/l	12	5.16	8.04892	13.72	6.49	13.15
Sulphate (SO4--)	mg/l	12	17.8	23.175	32.4	21.50	29.20
Suspended solids	mg/l	12	2.4	19.73333	54.5	16.40	50.40
TOC	mg/l	12	1.62	2.005	2.92	1.91	2.66
Temperature	°C	12	2.9	14.15	25.8	12.70	22.00
Total nitrogen	mg/l	12	0.79	1.16333	1.51	1.09	1.44
Total phosphorus	mg/l	12	0.025	0.07525	0.15	0.064	0.116
Zinc (Zn), dissolved	µg/l	12	0.668	1.74167	3.471	1.583	2.833
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.92	8.125	8.26	8.10	8.03

River: Sava **Catchment:** 30953 km² **2012**
Distance from mouth: 525 **Altitude:** 87 m **HR7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.73	1.91818	2.14	1.85	2.13
Ammonium (NH ₄ -N)	mg/l	11	0.059	0.13573	0.419	0.095	0.202
Arsenic (As), dissolved	µg/l	11	0.293	0.66336	1.325	0.597	1.003
BOD (5)	mg/l	11	0.8	1.70909	2.6	1.80	2.50
COD (Cr)	mg/l	11	5	7.34545	8.9	7.10	8.80
COD (Mn)	mg/l	11	1.9	2.49091	3.2	2.40	3.10
Cadmium (Cd), dissolved	µg/l	11	< 0.005	0.00636	0.014	0.005	0.011
Calcium (Ca ⁺⁺)	mg/l	11	47.8	58.07727	70.05	58.10	66.60
Chloride (Cl ⁻)	mg/l	11	5.6	10.49273	18.21	9.91	14.30
Chromium (Cr), total	µg/l	11	0.164	0.52218	1.782	0.345	0.906
Conductivity	µS/cm	11	347	408.63636	497	404.00	445.00
Copper (Cu), dissolved	µg/l	11	0.229	1.12736	4.29	0.957	1.737
Dissolved oxygen	mg/l	11	5.5	8.89091	12.2	9.90	6.10
Flow	m ³ /s	366	129	553.98361	1813	383.00	1355.00
Lead (Pb), dissolved	µg/l	11	0.018	0.20045	0.433	0.147	0.422
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	<0.00075	0.0008	0.0008
Macrozoobenthos - number of families	-	1	13	13	13		
Magnesium (Mg ⁺⁺)	mg/l	11	12.5	14.58818	18.2	14.30	17.07
Mercury (Hg), dissolved	µg/l	11	< 0.001	0.00137	0.0039	0.001	0.0022
Nickel (Ni), dissolved	µg/l	11	0.213	0.47573	0.645	0.563	0.625
Nitrate (NO ₃ -N)	mg/l	11	0.82	1.27727	1.68	1.26	1.63
Nitrite (NO ₂ -N)	mg/l	11	0.007	0.01818	0.029	0.019	0.025
Organic nitrogen	mg/l	11	0.005	0.19518	0.491	0.138	0.367
Orthophosphate (PO ₄ -P)	mg/l	11	0.039	0.087	0.118	0.088	0.113
Potassium (K ⁺)	mg/l	11	0.26	1.41727	2.09	1.56	1.84
Silicates(SiO ₂), dissolved	mg/l	11	0.72	4.42182	15.64	3.89	5.27
Sodium (Na ⁺)	mg/l	11	4.33	7.74991	14.22	7.09	10.61
Sulphate (SO ₄ ⁻⁻)	mg/l	11	10.6	14.00909	19.5	14.00	19.40
Suspended solids	mg/l	11	5.2	8.90909	15.6	8.00	14.00
TOC	mg/l	11	1.6	2.32273	3.31	2.23	3.18
Temperature	°C	11	4.6	16.1	29.9	15.70	26.80
Total nitrogen	mg/l	11	1.23	1.62636	2.13	1.65	1.96
Total phosphorus	mg/l	11	0.08	0.12345	0.184	0.12	0.149
Zinc (Zn), dissolved	µg/l	11	0.65	2.62018	8.187	1.767	5.809
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	11	7.86	8.03545	8.37	8.01	7.89

River: Sava **Catchment:** 62890 km2 **2012**
Distance from mouth: 254 **Altitude:** 85 m **HR8**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Flow	m3/s	366	219	765.07377	2200	631.00	1622.00

River: Sava **Catchment:** 62890 km² **2012**
Distance from mouth: 254 **Altitude:** 85 m **HR8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	1.62	1.893	2.13	2.13	2.13
Ammonium (NH ₄ -N)	mg/l	10	0.015	0.0583	0.157	0.157	0.157
Arsenic (As), dissolved	µg/l	10	0.561	0.9162	1.785	1.785	1.785
BOD (5)	mg/l	10	0.8	2.39	8	8.00	8.00
COD (Mn)	mg/l	10	2.1	3.6	8	8.00	8.00
Cadmium (Cd), dissolved	µg/l	10	< 0.005	0.0079	0.024	0.024	0.024
Calcium (Ca ⁺⁺)	mg/l	10	57.9	66.11	73.6	73.60	73.60
Chloride (Cl ⁻)	mg/l	10	8.9	25.832	63.82	63.82	63.82
Chromium (Cr), total	µg/l	10	0.253	0.4293	0.998	0.998	0.998
Conductivity	µS/cm	10	403	455.1	562	562.00	562.00
Copper (Cu), dissolved	µg/l	10	0.196	0.8331	1.559	1.559	1.559
Dissolved oxygen	mg/l	10	7.2	9.08	12	7.20	7.20
Lead (Pb), dissolved	µg/l	10	0.058	0.1809	0.38	0.38	0.38
Magnesium (Mg ⁺⁺)	mg/l	10	10.2	12.56	16.4	16.40	16.40
Mercury (Hg), dissolved	µg/l	10	< 0.001	0.00148	0.0039	0.0039	0.0039
Nickel (Ni), dissolved	µg/l	10	0.368	0.8343	1.406	1.406	1.406
Nitrate (NO ₃ -N)	mg/l	10	0.65	1.105	1.73	1.73	1.73
Nitrite (NO ₂ -N)	mg/l	10	0.006	0.0157	0.028	0.028	0.028
Organic nitrogen	mg/l	10	0.045	0.208	0.313	0.313	0.313
Orthophosphate (PO ₄ -P)	mg/l	10	0.028	0.0447	0.06	0.06	0.06
Potassium (K ⁺)	mg/l	10	1.01	1.473	1.86	1.86	1.86
Silicates(SiO ₂), dissolved	mg/l	10	3.01	4.287	5.36	5.36	5.36
Sodium (Na ⁺)	mg/l	10	5.24	10.513	22.02	22.02	22.02
Sulphate (SO ₄ ⁻⁻)	mg/l	10	13.3	21.29	35.3	35.30	35.30
Suspended solids	mg/l	10	4.8	15.73	45.5	45.50	45.50
TOC	mg/l	10	1.64	2.364	3.41	3.41	3.41
Temperature	°C	10	5	17.34	29.6	29.60	29.60
Total nitrogen	mg/l	10	0.89	1.387	1.98	1.98	1.98
Total phosphorus	mg/l	10	0.064	0.0948	0.144	0.144	0.144
Zinc (Zn), dissolved	µg/l	10	0.147	2.0769	5.22	5.22	5.22
pH	-	10	7.92	8.08	8.28	7.92	7.92

River: Drava **Catchment:** 15356 km² **2012**
Distance from mouth: 300 **Altitude:** 192 m **HR9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	0.9	1.24667	1.67	1.24	1.50
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.04633	0.114	0.032	0.107
Anionic active surfactants	mg/l	12	< 0.03	0.04633	0.096	0.03	0.077
Arsenic (As), dissolved	µg/l	12	0.495	1.07008	1.808	0.922	1.477
BOD (5)	mg/l	12	< 0.3	1.46083	2.53	1.40	2.40
COD (Cr)	mg/l	12	< 2	5.76667	11	5.50	7.50
COD (Mn)	mg/l	12	1	2.15	5.8	1.70	2.80
Cadmium (Cd), dissolved	µg/l	12	< 0.005	0.01067	0.028	0.005	0.018
Calcium (Ca ⁺⁺)	mg/l	12	28.7	38.74167	59.6	37.20	46.70
Chloride (Cl ⁻)	mg/l	12	4.14	6.85667	11.07	5.77	9.98
Chromium (Cr), total	µg/l	12	0.132	0.26483	0.591	0.214	0.371
Conductivity	µS/cm	12	203	282.83333	385	261.00	373.00
Copper (Cu), dissolved	µg/l	12	0.206	0.57108	1.222	0.385	1.041
Dissolved oxygen	mg/l	12	8.4	11.01667	14.5	10.30	8.80
Lead (Pb), dissolved	µg/l	12	0.139	0.41325	0.89	0.25	0.77
Lindane (gama-HCH)	µg/l	4	< 0.00075	< 0.00075	< 0.00075	0.0008	0.0008
Magnesium (Mg ⁺⁺)	mg/l	12	7	10.375	14.2	10.60	12.60
Mercury (Hg), dissolved	µg/l	12	< 0.001	0.00174	0.0049	0.001	0.0043
Nickel (Ni), dissolved	µg/l	12	0.205	0.40658	0.655	0.372	0.584
Nitrate (NO ₃ -N)	mg/l	12	0.52	0.88083	1.46	0.80	1.45
Nitrite (NO ₂ -N)	mg/l	12	0.004	0.00767	0.01	0.008	0.009
Organic nitrogen	mg/l	12	0.026	0.15017	0.364	0.142	0.195
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.0135	0.032	0.013	0.021
Phenol index	mg/l	4	< 0.0015	0.00325	0.006	0.006	0.006
Potassium (K ⁺)	mg/l	12	1.11	1.6525	2.27	1.64	1.93
Silicates(SiO ₂), dissolved	mg/l	12	4.53	6.2425	12.6	5.19	7.47
Sodium (Na ⁺)	mg/l	12	3.74	5.9375	10	5.03	8.94
Sulphate (SO ₄ ⁻⁻)	mg/l	12	16.9	22.86667	30.9	22.90	29.10
Suspended solids	mg/l	12	< 1	14.15	46	10.00	26.00
TOC	mg/l	12	1.02	1.87417	3.4	1.59	3.26
Temperature	°C	12	1	11.80833	22.2	11.90	20.90
Total nitrogen	mg/l	12	0.71	1.08417	1.73	0.90	1.64
Total phosphorus	mg/l	12	0.028	0.05992	0.13	0.043	0.10
Zinc (Zn), dissolved	µg/l	12	0.587	3.115	7.587	2.473	6.933
p,p'-DDT	µg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.93	8.11333	8.51	8.02	7.97

River: Danube **Catchment:** 131605 km² **2012**
Distance from mouth: 1806 **Altitude:** 108 m **HU1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.9	3.41667	4	3.40	3.90
Ammonium (NH ₄ -N)	mg/l	12	0.02	0.03475	0.062	0.023	0.062
Arsenic (As), dissolved	µg/l	12	< 0.45	0.73333	2.1	0.45	1.20
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	1.3	4.26667	7.52	3.95	6.74
COD (Cr)	mg/l	12	4.9	8.48333	12.6	7.30	11.30
COD (Mn)	mg/l	12	2	3.025	5.4	2.80	3.80
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	44.8	53.86667	65.6	50.40	62.40
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chloride (Cl ⁻)	mg/l	12	11.3	16.19167	25.5	14.90	21.30
Chloroform	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chromium (Cr), total	µg/l	12	< 0.85	0.9375	1.9	0.85	0.85
Conductivity	µS/cm	12	280	344.08333	424	327.00	420.00
Copper (Cu), dissolved	µg/l	12	0.55	5.2775	37.5	2.10	5.48
Dissolved oxygen	mg/l	12	9.52	11.24833	14.21	11.00	9.82
Flow	m ³ /s	366	1010	2022.3770	4760	2000.00	2820.00
Iron (Fe)	mg/l	12	0.17	0.57833	2.3	0.33	0.92
Lead (Pb), dissolved	µg/l	12	< 0.35	< 0.35	< 0.35	0.35	0.35
Lindane (gamma-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg ⁺⁺)	mg/l	12	7.8	11.925	15.5	12.10	14.60
Manganese (Mn)	mg/l	12	< 0.01	0.06092	0.244	0.039	0.115
Mercury (Hg), dissolved	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Nickel (Ni), dissolved	µg/l	12	< 0.35	0.96417	2.8	0.90	1.60
Nitrate (NO ₃ -N)	mg/l	12	0.79	1.5475	2.64	1.26	2.33
Nitrite (NO ₂ -N)	mg/l	12	0.005	0.01383	0.03	0.01	0.027
Organic nitrogen	mg/l	12	< 0.5	0.70833	2.41	0.50	1.09
Orthophosphate (PO ₄ -P)	mg/l	12	0.01998	0.05262	0.07694	0.05	0.0729
Petroleum hydrocarbons	mg/l	13	< 0.01	0.01738	0.03	0.01	0.029
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1	5.33917	33.2	1.00	7.10
Potassium (K ⁺)	mg/l	12	< 2	< 2	< 2	2.00	2.00
Sodium (Na ⁺)	mg/l	12	7.7	11.23333	15.1	10.50	14.50
Sulphate (SO ₄ --)	mg/l	12	20.6	27.375	34.5	26.40	33.10
Suspended solids	mg/l	12	6	38.58333	208	23.00	38.00
TOC	mg/l	12	2.7	3.45	5.9	3.20	4.60
Temperature	°C	13	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Total nitrogen	mg/l	12	1.39	2.26083	4.81	1.84	3.09

River: Danube **Catchment:** 131605 km2 **2012**
Distance from mouth: 1806 **Altitude:** 108 m **HU1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.05	0.1125	0.34	0.08	0.16
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
pH	-	12	8.04	8.215	8.52	8.18	8.10

River: Tisza **Catchment:** 9707 km2 **2012**
Distance from mouth: 757 **Altitude:** 114 m **HU10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	12	< 0.3	63.8	240	14.00	220.00
Aluminium (Al), dissolved	µg/l	12	< 0.3	39.25	210	1.00	190.00
Ammonium (NH4-N)	mg/l	12	0.01	0.03917	0.08	0.03	0.08
Arsenic (As)	µg/l	11	< 1.7	31.34545	76.1	16.70	71.30
Atrazine	µg/l	6	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	10	< 2.5	11.94	45.9	45.90	45.90
COD (Mn)	mg/l	9	< 0.5	4.77778	22.9	22.90	22.90
Cadmium (Cd)	µg/l	11	< 0.1	4.44545	31	1.80	7.20
Cadmium (Cd), dissolved	µg/l	12	< 0.1	2.225	8	1.10	7.20
Chloride (Cl-)	mg/l	12	< 3.5	11.54167	17	11.00	17.00
Chloroform	µg/l	6	< 0.25	< 3.41667	< 5	5.00	5.00
Chromium (Cr) - total	µg/l	12	0.2	10.11667	48	5.10	17.00
Chromium (Cr), total	µg/l	12	< 0.1	8.31667	46	4.60	13.00
Conductivity	µS/cm	12	184	237.66667	282	229.00	276.00
Copper (Cu)	µg/l	12	< 2.5	14.98333	49	6.10	41.00
Copper (Cu), dissolved	µg/l	12	< 0.3	9.58333	36	3.20	33.00
Flow	m3/s	366	23.2	135.25027	665	73.40	347.00
Iron (Fe)	mg/l	12	0.038	0.18883	0.465	0.138	0.363
Lead (Pb)	µg/l	11	< 0.7	11.33636	51	7.00	19.00
Lead (Pb), dissolved	µg/l	12	< 0.7	5.425	32	1.50	10.00
Manganese (Mn)	mg/l	12	0.008	0.04033	0.1	0.036	0.098
Mercury (Hg)	µg/l	8	< 0.01	0.02613	0.092	0.092	0.092
Mercury (Hg), dissolved	µg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni)	µg/l	12	< 0.15	7.41667	32	0.70	31.00
Nickel (Ni), dissolved	µg/l	12	< 0.15	4.36667	28	0.50	7.90
Nitrate (NO3-N)	mg/l	12	0.3	0.64167	1.1	0.70	0.90
Nitrite (NO2-N)	mg/l	6	< 0.0015	0.00858	0.01	0.01	0.01
Organic nitrogen	mg/l	7	< 0.1	0.17143	0.4	0.40	0.40
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.01087	0.03357	0.0088	0.0222
Petroleum hydrocarbons	mg/l	12	< 0.02	0.03917	0.12	0.02	0.05
Phenol index	mg/l	12	< 0.001	0.00267	0.004	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	2.54583	10.6	1.10	5.90
Suspended solids	mg/l	12	< 5	109.25	621	10.00	580.00
Temperature	°C	12	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	6	< 0.25	< 3.41667	< 5	5.00	5.00
Total nitrogen	mg/l	7	< 0.5	0.81429	1.5	1.50	1.50
Total phosphorus	mg/l	12	< 0.02	0.20701	1.41	0.02	0.841
Zinc (Zn)	µg/l	12	< 1.55	26.0125	94	16.00	57.00

River: Tisza **Catchment:** 9707 km2 **2012**
Distance from mouth: 757 **Altitude:** 114 m **HU10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 0.5	7.9875	30	1.55	21.00
p,p'-DDT	µg/l	6	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	12	7.15	7.81583	8.22	7.83	7.58

River: Tisza/Szamos **Catchment:** 15283 km2
Distance from mouth: 45 **Altitude:** 113 m **2012**
Location: Middle **HU11**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	11	< 0.3	58.1	240	22.00	150.00
Aluminium (Al), dissolved	µg/l	11	< 0.3	31.99091	140	7.40	130.00
Ammonium (NH4-N)	mg/l	12	0.03	0.46417	0.83	0.59	0.76
Anionic active surfactants	mg/l	1	< 0.01	< 0.01	< 0.01		
Arsenic (As)	µg/l	9	< 1.7	33.68889	92.2	92.20	92.20
Atrazine	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	10	16.8	38.6	62.3	62.30	62.30
COD (Mn)	mg/l	10	2.7	8.39	19.3	19.30	19.30
Cadmium (Cd)	µg/l	12	< 0.1	4.325	26	2.20	7.10
Cadmium (Cd), dissolved	µg/l	12	< 0.1	1.425	7.5	0.10	4.00
Chloride (Cl-)	mg/l	12	35	108.08333	194	104.00	184.00
Chloroform	µg/l	7	< 0.25	< 3.64286	< 5	5.00	5.00
Chromium (Cr) - total	µg/l	11	< 0.5	11.67273	49	7.30	34.00
Chromium (Cr), total	µg/l	12	< 0.5	10.01667	48	4.00	34.00
Conductivity	µS/cm	12	390	666	988	669.00	956.00
Copper (Cu)	µg/l	11	< 2.5	13.3	45	10.00	24.00
Copper (Cu), dissolved	µg/l	12	< 0.3	18.425	120	6.10	40.00
Dissolved oxygen	mg/l	1	12.1	12.1	12.1		
Flow	m3/s	366	17.2	60.22049	357	32.40	156.00
Iron (Fe)	mg/l	11	0.047	0.35009	1.057	0.386	0.544
Lead (Pb)	µg/l	11	< 0.7	40.53636	250	3.10	110.00
Lead (Pb), dissolved	µg/l	12	< 0.7	23.075	110	2.20	84.00
Manganese (Mn)	mg/l	11	0.012	0.15218	0.402	0.07	0.32
Mercury (Hg)	µg/l	8	< 0.01	0.02575	0.056	0.056	0.056
Mercury (Hg), dissolved	µg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni)	µg/l	11	< 0.5	13.27273	70	4.80	25.00
Nickel (Ni), dissolved	µg/l	12	< 0.15	2.87917	15	0.50	6.60
Nitrate (NO3-N)	mg/l	12	< 0.0565	1.19638	2.2	1.20	2.00
Nitrite (NO2-N)	mg/l	12	0.01	0.05	0.2	0.03	0.08
Organic nitrogen	mg/l	6	< 0.1	0.31667	0.8	0.80	0.80
Orthophosphate (PO4-P)	mg/l	12	0.01279	0.0348	0.06235	0.035	0.0442
Petroleum hydrocarbons	mg/l	11	< 0.02	0.04364	0.18	0.02	0.12
Phenol index	mg/l	11	< 0.001	0.00245	0.004	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	1.8	19.84167	110.3	3.90	45.90
Suspended solids	mg/l	14	< 5	37.85714	127	34.00	71.00
Temperature	°C	14	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	7	< 0.25	< 3.64286	< 5	5.00	5.00
Total nitrogen	mg/l	6	1.5	2.11667	3.1	3.10	3.10

River: Tisza/Szamos **Catchment:** 15283 km² **2012**
Distance from mouth: 45 **Altitude:** 113 m **HU11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.0642	0.1657	0.291	0.16	0.264
Zinc (Zn)	µg/l	11	< 1.55	77.85909	250	42.00	170.00
Zinc (Zn), dissolved	µg/l	12	< 1.55	32.41667	110	16.00	84.00
p,p'-DDT	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	11	7.48	7.78091	8.02	7.81	7.57

River: Tisza/Hármas- **Catchment:** 2489 km² **2012**
Distance from mouth: 9 **Altitude:** 92 m **HU12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	13	< 0.3	31.37692	260	1.00	59.00
Aluminium (Al), dissolved	µg/l	13	< 0.3	27.21538	250	1.00	51.00
Ammonium (NH ₄ -N)	mg/l	13	0.03	0.14077	0.36	0.11	0.35
Anionic active surfactants	mg/l	1	< 0.01	< 0.01	< 0.01		
Arsenic (As)	µg/l	10	< 0.5	31.31	122.1	122.10	122.10
Atrazine	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	11	6.2	10.06364	22	8.90	11.10
COD (Mn)	mg/l	11	1.8	4.43636	9.7	3.00	9.50
Cadmium (Cd)	µg/l	13	< 0.1	2.32308	18	0.50	3.90
Cadmium (Cd), dissolved	µg/l	13	< 0.1	0.6	3.5	0.10	1.20
Chloride (Cl ⁻)	mg/l	13	7	16.07692	28	17.00	24.00
Chloroform	µg/l	7	< 0.25	< 3.64286	< 5	5.00	5.00
Chromium (Cr) - total	µg/l	13	0.3	12.21538	49	4.30	44.00
Chromium (Cr), total	µg/l	13	< 0.1	6.11538	38	2.30	12.00
Conductivity	µS/cm	13	181	308.51538	389	347.00	384.00
Copper (Cu)	µg/l	13	< 0.3	22.78462	95	9.30	58.00
Copper (Cu), dissolved	µg/l	13	< 0.3	10.26154	37	3.30	34.00
Dissolved oxygen	mg/l	2	11.3	12.05	12.8		
Flow	m ³ /s	366	1.28	12.15934	82.3	4.72	34.50
Iron (Fe)	mg/l	13	0.013	0.08669	0.222	0.069	0.138
Lead (Pb)	µg/l	13	< 0.7	16.70769	110	3.80	45.00
Lead (Pb), dissolved	µg/l	13	< 0.7	8.53077	49	1.80	31.00
Manganese (Mn)	mg/l	13	0.009	0.03138	0.07	0.025	0.059
Mercury (Hg)	µg/l	8	< 0.01	0.02738	0.091	0.091	0.091
Mercury (Hg), dissolved	µg/l	5	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni)	µg/l	13	< 0.15	2.90385	12	0.50	12.00
Nickel (Ni), dissolved	µg/l	13	< 0.15	1.08462	4.4	0.50	2.90
Nitrate (NO ₃ -N)	mg/l	13	0.6	1.53846	2.4	1.70	2.10
Nitrite (NO ₂ -N)	mg/l	13	0.01	0.02923	0.07	0.02	0.05
Organic nitrogen	mg/l	7	< 0.1	0.27143	0.4	0.40	0.40
Orthophosphate (PO ₄ -P)	mg/l	13	< 0.0035	0.02947	0.06595	0.0283	0.0578
Petroleum hydrocarbons	mg/l	13	< 0.02	0.05769	0.3	0.02	0.16
Phenol index	mg/l	13	< 0.001	0.00231	0.006	0.002	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	13	< 0.5	3.22692	11	3.00	6.20
Suspended solids	mg/l	13	< 5	17.23077	48	5.00	48.00
Temperature	°C	13	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	7	< 0.25	< 3.64286	< 5	5.00	5.00
Total nitrogen	mg/l	7	1	1.64286	2.4	2.40	2.40

River: Tisza/Hármas- **Catchment:** 2489 km² 2012
Distance from mouth: 9 **Altitude:** 92 m HU12
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	13	< 0.02	0.06073	0.13	0.0609	0.083
Zinc (Zn)	µg/l	13	< 1.55	20.41923	110	9.40	48.00
Zinc (Zn), dissolved	µg/l	13	< 0.5	9.85769	49	4.20	21.00
p,p'-DDT	µg/l	7	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	10	7.56	7.856	8.11	7.56	7.56

River: Tisza/Hármas- Catchment: 4302 km² 2012
Distance from mouth: 16 Altitude: 85 m HU13
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	12	< 0.3	35.1	240	1.00	95.00
Aluminium (Al), dissolved	µg/l	12	< 0.3	26.04167	200	1.00	82.00
Ammonium (NH ₄ -N)	mg/l	12	0.02	0.0525	0.1	0.05	0.07
Arsenic (As)	µg/l	11	1.1	23.82727	93.5	8.10	52.10
Atrazine	µg/l	6	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	9	< 2.5	7.88889	11.2	11.20	11.20
COD (Mn)	mg/l	9	2	4.9	9.1	9.10	9.10
Cadmium (Cd)	µg/l	12	< 0.1	3.24167	25	0.60	4.90
Cadmium (Cd), dissolved	µg/l	12	< 0.1	2.58333	23	0.10	3.50
Chloride (Cl ⁻)	mg/l	12	< 3.5	10	13	11.00	13.00
Chloroform	µg/l	6	< 0.25	< 3.41667	< 5	5.00	5.00
Chromium (Cr) - total	µg/l	12	0.4	11.20833	50	5.60	34.00
Chromium (Cr), total	µg/l	12	0.3	7.88333	47	1.70	20.00
Conductivity	µS/cm	12	248.6	307.13333	352	306.00	345.00
Copper (Cu)	µg/l	12	1	16.01667	63	6.80	52.00
Copper (Cu), dissolved	µg/l	12	< 0.3	8.74167	42	2.50	20.00
Dissolved oxygen	mg/l	2	11.5	12.3	13.1		
Flow	m ³ /s	366	1.79	18.38587	115	9.70	46.80
Iron (Fe)	mg/l	11	0.012	0.15082	0.343	0.139	0.253
Lead (Pb)	µg/l	12	< 1.5	21.71667	110	7.00	44.00
Lead (Pb), dissolved	µg/l	12	< 0.7	6.94167	30	1.50	20.00
Manganese (Mn)	mg/l	12	0.013	0.02975	0.05	0.029	0.049
Mercury (Hg)	µg/l	8	< 0.01	0.02325	0.043	0.043	0.043
Mercury (Hg), dissolved	µg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni)	µg/l	12	< 0.15	2.02083	9.6	0.50	3.80
Nickel (Ni), dissolved	µg/l	12	< 0.15	1.05	3.3	0.50	2.70
Nitrate (NO ₃ -N)	mg/l	12	< 0.0565	0.59383	1.5	0.60	1.20
Nitrite (NO ₂ -N)	mg/l	11	0.01	0.01364	0.03	0.01	0.02
Organic nitrogen	mg/l	6	0.2	0.31667	0.4	0.40	0.40
Orthophosphate (PO ₄ -P)	mg/l	12	0.01209	0.02962	0.05386	0.0224	0.0535
Petroleum hydrocarbons	mg/l	12	< 0.02	< 0.02	< 0.02	0.02	0.02
Phenol index	mg/l	12	< 0.001	0.00225	0.006	0.002	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	2.34583	4.6	2.00	4.20
Suspended solids	mg/l	12	< 5	18.66667	58	12.00	45.00
Temperature	°C	12	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	6	< 0.25	< 3.41667	< 5	5.00	5.00
Total nitrogen	mg/l	6	< 0.5	1.25	1.9	1.90	1.90
Total phosphorus	mg/l	12	< 0.02	0.06359	0.181	0.0511	0.0786

River: Tisza/Hármas- **Catchment:** 4302 km2 **2012**
Distance from mouth: 16 **Altitude:** 85 m **HU13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	12	< 0.5	11.64167	43	5.00	25.00
Zinc (Zn), dissolved	µg/l	12	< 0.5	5.0125	31	1.55	8.30
p,p'-DDT	µg/l	6	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	9	7.49	7.90667	8.11	7.49	7.49

River: Tisza/Hármas- **Catchment:** 4251 km² **2012**
Distance from mouth: 59 **Altitude:** 85 m **HU14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al)	µg/l	12	< 0.3	40.96667	180	1.00	140.00
Aluminium (Al), dissolved	µg/l	12	< 0.3	28.45833	160	1.00	120.00
Ammonium (NH ₄ -N)	mg/l	12	0.04	0.10917	0.19	0.10	0.14
Arsenic (As)	µg/l	12	< 1.7	21.50833	102.7	7.80	50.00
Atrazine	µg/l	6	< 0.005	< 0.005	< 0.005	0.005	0.005
COD (Cr)	mg/l	10	< 2.5	11.79	17.8	17.80	17.80
COD (Mn)	mg/l	10	2.3	6.67	11.2	11.20	11.20
Cadmium (Cd)	µg/l	12	< 0.1	2.34167	16	0.10	4.30
Cadmium (Cd), dissolved	µg/l	12	< 0.1	1.54167	11	0.10	2.50
Chloride (Cl ⁻)	mg/l	12	< 3.5	14.04167	26	13.00	21.00
Chloroform	µg/l	6	< 0.25	< 3.41667	< 5	5.00	5.00
Chromium (Cr) - total	µg/l	12	0.7	9.96667	46	5.10	24.00
Chromium (Cr), total	µg/l	12	< 0.5	8.26667	45	2.40	22.00
Conductivity	µS/cm	12	229	372.08333	515	351.00	483.00
Copper (Cu)	µg/l	12	< 2.5	17.825	49	9.20	47.00
Copper (Cu), dissolved	µg/l	12	< 2.5	14.68333	46	6.20	41.00
Dissolved oxygen	mg/l	2	10.8	11.85	12.9		
Flow	m ³ /s	366	0.399	11.38106	77.1	5.90	30.40
Iron (Fe)	mg/l	12	0.026	0.16917	0.449	0.124	0.423
Lead (Pb)	µg/l	12	< 1.5	15.26667	65	5.30	42.00
Lead (Pb), dissolved	µg/l	12	< 0.7	7.85	63	1.50	9.30
Manganese (Mn)	mg/l	12	0.012	0.03708	0.133	0.025	0.049
Mercury (Hg)	µg/l	8	< 0.01	0.03425	0.056	0.056	0.056
Mercury (Hg), dissolved	µg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni)	µg/l	12	< 0.15	5.48333	50	0.50	5.50
Nickel (Ni), dissolved	µg/l	12	< 0.15	0.7875	3.4	0.50	2.10
Nitrate (NO ₃ -N)	mg/l	12	< 0.0565	0.60108	1.3	0.60	1.10
Nitrite (NO ₂ -N)	mg/l	12	0.01	0.015	0.03	0.01	0.02
Organic nitrogen	mg/l	6	< 0.1	0.36667	0.9	0.90	0.90
Orthophosphate (PO ₄ -P)	mg/l	12	0.02218	0.0376	0.07764	0.0356	0.0437
Petroleum hydrocarbons	mg/l	12	< 0.02	0.03	0.08	0.02	0.06
Phenol index	mg/l	12	< 0.001	0.00225	0.006	0.002	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.55	4.02917	14.4	1.70	7.00
Suspended solids	mg/l	12	< 5	15.91667	52	10.00	36.00
Temperature	°C	12	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	6	< 0.25	< 3.41667	< 5	5.00	5.00
Total nitrogen	mg/l	6	1	1.4	1.9	1.90	1.90
Total phosphorus	mg/l	12	0.0479	0.07677	0.141	0.0619	0.133

River: Tisza/Hármas- **Catchment:** 4251 km² **2012**
Distance from mouth: 59 **Altitude:** 85 m **HU14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	12	1	120.37917	1300	8.60	30.00
Zinc (Zn), dissolved	µg/l	12	< 0.5	13.42917	98	3.90	17.00
p,p'-DDT	µg/l	6	< 0.005	< 0.005	< 0.005	0.005	0.005
pH	-	9	7.72	8.08	8.46	7.72	7.72

River: Tisza/Maros **Catchment:** 30149 km2
Distance from mouth: 51 **Altitude:** 80 m **2012**
Location: Right **HU15**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.39167	3.8	2.40	2.80
Aluminium (Al), dissolved	µg/l	12	6.9	23.74167	56.5	22.80	36.40
Ammonium (NH4-N)	mg/l	12	< 0.015	0.04625	0.27	0.015	0.11
Anionic active surfactants	mg/l	12	< 0.01	0.02833	0.05	0.02	0.05
Arsenic (As), dissolved	µg/l	12	< 1	1.30417	3.31	1.00	2.34
Atrazine	µg/l	12	< 0.0025	0.00659	< 0.01	0.0066	0.01
BOD (5)	mg/l	12	< 0.25	2.1125	4.6	1.60	3.60
COD (Cr)	mg/l	12	< 4	16.48333	24.2	15.40	23.70
COD (Mn)	mg/l	12	1.6	4.26667	6.7	3.90	6.40
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	33.5	49.36667	70.7	51.40	61.00
Carbon tetrachloride	µg/l	3	< 0.5	< 0.5	< 0.5		
Chloride (Cl-)	mg/l	12	19	61.08333	111	55.00	96.00
Chloroform	µg/l	3	< 0.4	< 0.4	< 0.4		
Chromium (Cr), total	µg/l	12	< 0.25	2.375	9	1.00	4.00
Conductivity	µS/cm	12	270	484.33333	665	520.00	630.00
Copper (Cu), dissolved	µg/l	12	2	3.39167	4.9	3.30	4.80
Dissolved oxygen	mg/l	12	7.2	10.375	14.3	9.80	7.60
Flow	m3/s	366	22.8	94.81311	366	52.70	240.00
Lead (Pb), dissolved	µg/l	12	< 0.5	1.58333	4	0.50	4.00
Lindane (gama-HCH)	µg/l	12	< 0.0015	< 0.00225	< 0.003	0.0025	0.003
Magnesium (Mg++)	mg/l	12	5.65	9.79667	14	9.99	13.80
Mercury (Hg)	µg/l	11	< 0.05	0.35	< 1	0.05	1.00
Mercury (Hg), dissolved	µg/l	11	< 0.05	< 0.30909	< 1	0.05	1.00
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.60833	1.5	0.25	1.20
Nitrate (NO3-N)	mg/l	12	< 0.09	0.9625	1.91	1.22	1.61
Nitrite (NO2-N)	mg/l	12	< 0.005	0.01167	0.03	0.005	0.02
Organic nitrogen	mg/l	12	< 0.05	0.5325	2.22	0.28	1.04
Orthophosphate (PO4-P)	mg/l	12	< 0.01	0.01666	0.04996	0.01	0.03
Petroleum hydrocarbons	mg/l	11	0.02	0.02818	0.03	0.03	0.03
Phenol index	mg/l	12	< 0.001	0.00133	0.003	0.001	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	2.1	22.25833	60	13.00	37.00
Potassium (K+)	mg/l	12	2.9	4.775	6.1	4.70	5.70
Sodium (Na+)	mg/l	12	15	46.75	85	41.00	83.00
Sulphate (SO4--)	mg/l	12	35	52.16667	71	49.00	64.00
Suspended solids	mg/l	12	< 2	34.08333	113	27.00	71.00
TOC	mg/l	12	2.5	5.69167	9.1	5.80	7.80
Temperature	°C	12	4	4	4	4.00	4.00

River: Tisza/Maros **Catchment:** 30149 km2 **2012**
Distance from mouth: 51 **Altitude:** 80 m **HU15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Tetrachloroethylene	µg/l	3	< 0.5	< 0.5	< 0.5		
Total nitrogen	mg/l	12	0.35	1.52833	3.6	1.40	2.40
Total phosphorus	mg/l	12	< 0.025	0.08958	0.2	0.07	0.16
Trichloroethylene	µg/l	3	< 0.5	< 0.5	< 0.5		
Zinc (Zn), dissolved	µg/l	12	2	7.525	47.9	3.70	7.50
p,p'-DDT	µg/l	12	< 0.001	< 0.00133	< 0.0015	0.0015	0.0015
pH	-	12	7.89	8.29583	8.49	8.39	7.89

River: Danube
Distance from mouth: 1768
Location: Middle
Catchment: 150820 km²
Altitude: 101 m
2012
HU2

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	11.74167	21.1	12.70	16.20
Alkalinity - total	mmol/l	12	2.9	3.49667	4.4	3.40	3.90
Ammonium (NH ₄ -N)	mg/l	12	0.02	0.04458	0.132	0.031	0.078
Anionic active surfactants	mg/l	12	< 0.02	0.02258	0.051	0.02	0.02
Arsenic (As), dissolved	µg/l	12	< 0.45	0.63333	2	0.45	1.10
Atrazine	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	12	0.48	3.38167	5.43	2.59	5.30
COD (Cr)	mg/l	12	5.6	8.11667	12.9	7.70	11.10
COD (Mn)	mg/l	12	2.1	2.79167	3.8	2.80	3.40
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	44.8	53.6	71.2	52.00	61.60
Carbon tetrachloride	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chloride (Cl ⁻)	mg/l	12	12.1	17.73333	24.8	16.30	23.40
Chloroform	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Chromium (Cr), total	µg/l	12	< 0.85	1.4125	7.6	0.85	0.85
Conductivity	µS/cm	12	286	356.16667	456	338.00	432.00
Copper (Cu), dissolved	µg/l	12	0.73	3.76417	13.4	3.10	5.30
Dissolved oxygen	mg/l	12	7.92	10.69583	12.82	10.41	9.17
Flow	m ³ /s	366	1100	2079.3442	4480	2040.00	2850.00
Iron (Fe)	mg/l	1	0.34	0.34	0.34		
Lead (Pb), dissolved	µg/l	12	< 0.35	< 0.35	< 0.35	0.35	0.35
Lindane (gama-HCH)	µg/l	12	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg ⁺⁺)	mg/l	12	9.7	12.8	15.1	12.60	14.60
Manganese (Mn)	mg/l	1	< 0.01	< 0.01	< 0.01		
Mercury (Hg), dissolved	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Nickel (Ni), dissolved	µg/l	12	< 0.35	0.9625	1.6	1.00	1.59
Nitrate (NO ₃ -N)	mg/l	12	0.82	1.57583	2.57	1.35	2.39
Nitrite (NO ₂ -N)	mg/l	12	0.007	0.01408	0.027	0.01	0.024
Organic nitrogen	mg/l	12	< 0.5	0.97083	2.73	0.50	1.75
Orthophosphate (PO ₄ -P)	mg/l	12	0.02298	0.04788	0.07294	0.047	0.0699
Petroleum hydrocarbons	mg/l	12	< 0.01	0.01767	0.029	0.01	0.028
Phenol index	mg/l	12	< 0.001	0.00133	0.004	0.001	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 1	5.7475	26.1	3.55	13.00
Potassium (K ⁺)	mg/l	12	< 2	< 2	< 2	2.00	2.00
Sodium (Na ⁺)	mg/l	12	8.3	12.71667	18.3	11.80	17.60
Sulphate (SO ₄ ⁻⁻)	mg/l	12	13	29.91667	49.4	27.40	39.40
Suspended solids	mg/l	12	6	25.16667	46	25.00	44.00
TOC	mg/l	12	2.7	3.44167	4.6	3.40	4.30

River: Danube **Catchment:** 150820 km² **2012**
Distance from mouth: 1768 **Altitude:** 101 m **HU2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Temperature	°C	12	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Total nitrogen	mg/l	12	1.54	2.68	4.88	2.34	3.86
Total phosphorus	mg/l	11	0.07	0.10909	0.18	0.10	0.17
Trichloroethylene	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
pH	-	12	7.99	8.1925	8.57	8.18	8.00

River: Danube **Catchment:** 183350 km² **2012**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	< 5	< 5	5.00	5.00
Alkalinity - total	mmol/l	24	2.5	3.18333	4.2	3.00	3.80
Aluminium (Al)	µg/l	8	91.4	309.55	657	657.00	657.00
Aluminium (Al), dissolved	µg/l	9	< 5	59.74444	370	370.00	370.00
Ammonium (NH ₄ -N)	mg/l	24	0.01	0.08292	0.34	0.05	0.22
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Arsenic (As)	µg/l	11	< 1	1.96364	3.09	2.15	2.68
Arsenic (As), dissolved	µg/l	12	< 1	1.46167	2.61	1.00	2.60
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
BOD (5)	mg/l	24	1	2.34167	5.2	2.20	3.10
COD (Cr)	mg/l	23	7	11.11304	20	11.00	13.00
COD (Mn)	mg/l	23	2	3.22609	5.6	3.20	4.10
Cadmium (Cd)	µg/l	12	< 0.025	0.05542	0.16	0.025	0.09
Cadmium (Cd), dissolved	µg/l	12	< 0.025	0.03042	0.09	0.025	0.025
Calcium (Ca ⁺⁺)	mg/l	24	40	50.69167	68.6	50.00	61.50
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chloride (Cl ⁻)	mg/l	24	16	25.41667	44	25.00	33.00
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.29083	0.74	0.25	0.25
Chromium (Cr), total	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	24	310	414.08333	570	400.00	490.00
Copper (Cu)	µg/l	12	2.75	6.74917	18.6	3.64	14.40
Copper (Cu), dissolved	µg/l	12	1.7	3.45167	8.93	2.65	6.94
Dissolved oxygen	mg/l	24	5.2	7.575	9.6	7.10	6.00
Iron (Fe)	mg/l	12	< 0.05	0.55675	2.93	0.246	0.816
Lead (Pb)	µg/l	12	< 0.25	1.34	3.13	1.01	2.74
Lead (Pb), dissolved	µg/l	12	< 0.25	0.32583	1.16	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Manganese (Mn)	mg/l	12	< 0.025	0.0915	0.218	0.0733	0.217
Mercury (Hg)	µg/l	12	< 0.025	0.04833	0.13	0.025	0.10
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.03583	0.06	0.025	0.06
Nickel (Ni)	µg/l	12	< 0.25	0.975	2.96	0.71	1.50
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.49417	0.95	0.50	0.78
Nitrate (NO ₃ -N)	mg/l	24	0.97	1.70458	3.3	1.31	3.00
Nitrite (NO ₂ -N)	mg/l	24	0.007	0.01538	0.029	0.013	0.025
Organic nitrogen	mg/l	24	< 0.025	0.04313	0.17	0.025	0.09
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.01	0.06305	0.11084	0.0652	0.1043
Petroleum hydrocarbons	mg/l	12	< 0.01	0.01083	0.02	0.01	0.01

River: Danube **Catchment:** 183350 km2 **2012**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	7.86667	31.2	2.40	25.80
Potassium (K+)	mg/l	24	1.9	3.575	6	3.40	4.40
Sodium (Na+)	mg/l	24	10	15.55417	23.2	14.50	21.20
Sulphate (SO4--)	mg/l	24	28.8	47.5	91.2	45.60	57.60
Suspended solids	mg/l	24	< 1	12.33333	32	9.00	24.00
TOC	mg/l	12	2.3	3.9	5.8	4.00	5.00
Temperature	°C	24	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Total nitrogen	mg/l	24	1	1.85208	3.74	1.40	3.35
Total phosphorus	mg/l	24	0.02	0.0975	0.16	0.10	0.14
Zinc (Zn)	µg/l	12	< 10	13.41667	35	10.00	26.00
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	23	7.9	8.31739	8.8	8.30	8.20

River: Danube
Distance from mouth: 1708
Location: Middle
Catchment: 183350 km²
Altitude: 100 m
2012
HU3

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	11	< 5	5.51818	10.7	5.00	5.00
Alkalinity - total	mmol/l	23	2.5	3.01304	3.7	3.00	3.60
Aluminium (Al)	µg/l	8	42.7	335.6125	1200	1200.00	1200.00
Aluminium (Al), dissolved	µg/l	8	< 5	77.925	400	400.00	400.00
Ammonium (NH ₄ -N)	mg/l	23	0.01	0.04435	0.14	0.03	0.08
Anionic active surfactants	mg/l	11	< 0.01	< 0.01	< 0.01	0.01	0.01
Arsenic (As)	µg/l	11	< 1	1.11636	2.28	1.00	1.00
Arsenic (As), dissolved	µg/l	11	< 1	< 1	< 1	1.00	1.00
Atrazine	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
BOD (5)	mg/l	23	1	2.10435	5.2	2.00	2.90
COD (Cr)	mg/l	23	7	10.26087	19	10.00	12.00
COD (Mn)	mg/l	23	2	2.99565	5.6	2.90	3.60
Cadmium (Cd)	µg/l	11	< 0.025	0.03182	0.1	0.025	0.025
Cadmium (Cd), dissolved	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca ⁺⁺)	mg/l	23	37.2	48.56522	68.6	48.60	57.20
Carbon tetrachloride	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Chloride (Cl ⁻)	mg/l	23	14	23.56522	43	21.00	34.00
Chloroform	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Chromium (Cr) - total	µg/l	11	< 0.25	0.32	0.71	0.25	0.56
Chromium (Cr), total	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	23	300	378	510	380.00	450.00
Copper (Cu)	µg/l	11	2.71	6.76273	18	4.96	13.10
Copper (Cu), dissolved	µg/l	11	1.15	3.44545	4.87	3.81	4.76
Dissolved oxygen	mg/l	23	5.9	7.55217	9.4	7.40	6.00
Flow	m ³ /s	366	1270	2218.0874	4450	2190.00	2970.00
Iron (Fe)	mg/l	11	< 0.05	0.43316	1.59	0.209	0.96
Lead (Pb)	µg/l	11	< 0.25	0.89091	1.9	0.78	1.80
Lead (Pb), dissolved	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Manganese (Mn)	mg/l	11	0.0109	0.03774	0.125	0.025	0.063
Mercury (Hg)	µg/l	11	< 0.025	0.05045	0.1	0.06	0.08
Mercury (Hg), dissolved	µg/l	11	< 0.025	0.03409	0.09	0.025	0.06
Nickel (Ni)	µg/l	11	0.52	0.88364	1.74	0.79	1.22
Nickel (Ni), dissolved	µg/l	11	< 0.25	0.54455	0.95	0.56	0.83
Nitrate (NO ₃ -N)	mg/l	23	0.88	1.52391	2.8	1.27	2.64
Nitrite (NO ₂ -N)	mg/l	23	< 0.0025	0.01017	0.025	0.007	0.02
Organic nitrogen	mg/l	23	< 0.025	0.03413	0.08	0.025	0.06
Orthophosphate (PO ₄ -P)	mg/l	23	< 0.01	0.04158	0.06846	0.0456	0.0619

River: Danube **Catchment:** 183350 km2 **2012**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Petroleum hydrocarbons	mg/l	11	< 0.01	< 0.01	< 0.01	0.01	0.01
Phenol index	mg/l	11	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.5	5.1	34	1.60	8.90
Potassium (K+)	mg/l	23	1.6	2.39565	3.1	2.50	3.00
Sodium (Na+)	mg/l	23	9.2	12.11304	17.7	12.20	15.00
Sulphate (SO4--)	mg/l	23	24	46.33043	91.2	45.60	57.60
Suspended solids	mg/l	23	5	12.65217	58	10.00	20.00
TOC	mg/l	11	2.2	3.63636	6	3.70	5.20
Temperature	°C	23	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Total nitrogen	mg/l	23	0.95	1.61522	2.98	1.34	2.80
Total phosphorus	mg/l	23	< 0.01	0.07217	0.11	0.08	0.11
Zinc (Zn)	µg/l	11	< 10	< 10	< 10	10.00	10.00
Zinc (Zn), dissolved	µg/l	11	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	22	8	8.33182	8.7	8.30	8.00

River: Danube
Distance from mouth: 1708
Location: Right
Catchment: 183350 km²
Altitude: 100 m
2012
HU3

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	5.89167	10.4	5.00	10.30
Alkalinity - total	mmol/l	24	2.5	3.08333	3.7	3.00	3.70
Aluminium (Al)	µg/l	8	73.9	336.325	1190	1190.00	1190.00
Aluminium (Al), dissolved	µg/l	9	< 5	56.74444	351	351.00	351.00
Ammonium (NH ₄ -N)	mg/l	24	0.01	0.04625	0.12	0.03	0.09
Anionic active surfactants	mg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Arsenic (As)	µg/l	12	< 1	1.20917	2.43	1.00	2.08
Arsenic (As), dissolved	µg/l	12	< 1	< 1	< 1	1.00	1.00
Atrazine	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
BOD (5)	mg/l	24	1	2.18333	5.4	2.10	2.90
COD (Cr)	mg/l	24	9	10.625	20	10.00	12.00
COD (Mn)	mg/l	24	1.7	3.07917	5.8	3.00	3.70
Cadmium (Cd)	µg/l	12	< 0.025	0.03125	0.1	0.025	0.025
Cadmium (Cd), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Calcium (Ca ⁺⁺)	mg/l	24	37.2	49.2875	65.8	50.00	60.00
Carbon tetrachloride	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chloride (Cl ⁻)	mg/l	24	15	25.08333	40	22.00	35.00
Chloroform	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Chromium (Cr) - total	µg/l	12	< 0.25	0.33083	0.86	0.25	0.61
Chromium (Cr), total	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	24	300	381.91667	510	380.00	460.00
Copper (Cu)	µg/l	12	1.59	7.92667	13.8	6.86	11.50
Copper (Cu), dissolved	µg/l	12	1.49	3.60333	6.53	3.33	5.70
Dissolved oxygen	mg/l	24	5.8	7.84167	10.2	7.20	6.60
Iron (Fe)	mg/l	12	< 0.005	0.41997	1.53	0.209	1.17
Lead (Pb)	µg/l	12	< 0.25	0.91167	1.96	0.79	1.78
Lead (Pb), dissolved	µg/l	11	< 0.25	0.27455	0.52	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Manganese (Mn)	mg/l	12	0.0133	0.04148	0.124	0.0294	0.072
Mercury (Hg)	µg/l	12	< 0.025	0.04208	0.07	0.025	0.07
Mercury (Hg), dissolved	µg/l	12	< 0.025	0.03667	0.07	0.025	0.06
Nickel (Ni)	µg/l	12	< 0.25	0.97083	2.53	0.88	1.62
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.55333	0.8	0.59	0.79
Nitrate (NO ₃ -N)	mg/l	24	0.9	1.58375	3.05	1.27	2.85
Nitrite (NO ₂ -N)	mg/l	24	< 0.0025	0.01131	0.025	0.008	0.021
Organic nitrogen	mg/l	24	< 0.025	0.03458	0.08	0.025	0.07
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.01	0.04283	0.07824	0.0456	0.0619
Petroleum hydrocarbons	mg/l	11	< 0.01	0.01091	0.02	0.01	0.01

River: Danube **Catchment:** 183350 km2 **2012**
Distance from mouth: 1708 **Altitude:** 100 m **HU3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Phenol index	mg/l	12	< 0.001	0.00108	0.002	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	5.71667	32.8	2.60	10.30
Potassium (K+)	mg/l	24	1.6	2.35833	3.3	2.30	2.90
Sodium (Na+)	mg/l	24	9.4	12.275	17.9	12.10	15.40
Sulphate (SO4--)	mg/l	24	24	45.31667	76.8	45.60	62.40
Suspended solids	mg/l	24	5	11.58333	45	8.00	21.00
TOC	mg/l	12	2.2	3.475	4.9	3.40	4.80
Temperature	°C	24	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Total nitrogen	mg/l	24	0.96	1.67875	3.21	1.32	3.03
Total phosphorus	mg/l	24	< 0.01	0.07583	0.12	0.08	0.11
Zinc (Zn)	µg/l	12	< 10	< 10	< 10	10.00	10.00
Zinc (Zn), dissolved	µg/l	12	< 10	< 10	< 10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	22	8.1	8.34091	8.7	8.30	8.10

River: Danube **Catchment:** 188700 km2 **2012**
Distance from mouth: 1560 **Altitude:** 89 m **HU4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.6	3.28542	4.05	3.35	3.80
Ammonium (NH ₄ -N)	mg/l	24	< 0.005	0.04563	0.14	0.02	0.10
Arsenic (As), dissolved	µg/l	12	< 0.5	0.55	1.1	0.50	0.50
BOD (5)	mg/l	24	0.8	2.24167	4.7	1.90	4.00
COD (Cr)	mg/l	24	6	11.70833	19	12.00	15.00
COD (Mn)	mg/l	24	2.2	3.63333	6.1	3.50	4.80
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	41.9	53.975	72.6	52.20	63.60
Chloride (Cl ⁻)	mg/l	24	11.7	20.25	36.8	17.50	27.40
Chromium (Cr), total	µg/l	12	< 0.1	0.35	1.1	0.20	0.80
Conductivity	µS/cm	24	335	428.75	560	415.00	535.00
Copper (Cu), dissolved	µg/l	12	1.9	3.68333	10	3.00	4.90
Dissolved oxygen	mg/l	24	7.3	10.26667	13	10.30	8.20
Lead (Pb), dissolved	µg/l	12	< 0.25	0.34167	0.8	0.25	0.80
Magnesium (Mg ⁺⁺)	mg/l	12	7.3	14.25	20	13.70	19.50
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	0.6	1.86667	13	0.80	1.20
Nitrate (NO ₃ -N)	mg/l	24	0.84	1.72958	3.21	1.51	2.64
Nitrite (NO ₂ -N)	mg/l	24	< 0.005	0.01042	0.035	0.005	0.018
Organic nitrogen	mg/l	24	< 0.125	0.59542	1.61	0.45	1.14
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.025	0.04438	0.09128	0.025	0.0685
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 1	15.32083	115	3.80	47.00
Silicates (SiO ₂)	mg/l	24	0.48	3.10821	4.878	3.20	4.797
Suspended solids	mg/l	23	5	23.73913	59	20.00	42.00
TOC	mg/l	24	2.4	3.8	6.8	3.40	5.10
Temperature	°C	24	4	4	4	4.00	4.00
Total nitrogen	mg/l	24	1.3	2.38333	4.95	2.06	3.74
Total phosphorus	mg/l	24	0.06	0.09917	0.18	0.09	0.13
Zinc (Zn), dissolved	µg/l	12	< 2.5	4.08333	9.5	2.50	8.50

River: Danube **Catchment:** 188700 km2 **2012**
Distance from mouth: 1560 **Altitude:** 89 m **HU4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.7	3.28125	4	3.30	3.90
Ammonium (NH4-N)	mg/l	24	< 0.005	0.04896	0.16	0.02	0.11
Arsenic (As), dissolved	µg/l	12	< 0.5	1.025	4.7	0.50	1.30
BOD (5)	mg/l	24	0.9	2.39583	4.7	2.10	4.00
COD (Cr)	mg/l	24	7	11.625	19	11.00	16.00
COD (Mn)	mg/l	24	1.9	3.68333	6.4	3.40	5.00
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	41.9	53.85	74.2	50.40	64.50
Chloride (Cl-)	mg/l	24	11.5	20.69167	37.2	19.70	28.00
Chromium (Cr), total	µg/l	12	< 0.1	0.34167	2.3	0.10	0.40
Conductivity	µS/cm	24	340	427.70833	570	420.00	535.00
Copper (Cu), dissolved	µg/l	12	1.9	3.70833	9	2.90	6.10
Dissolved oxygen	mg/l	24	7.4	10.1875	13	10.20	8.20
Flow	m3/s	366	1370	2335.6010	4650	2280.00	3190.00
Lead (Pb), dissolved	µg/l	12	< 0.25	1.39583	14	0.25	0.25
Magnesium (Mg++)	mg/l	12	5.3	14.04167	20	14.10	19.00
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.9375	1.8	0.90	1.20
Nitrate (NO3-N)	mg/l	24	0.81	1.72875	3.14	1.47	2.85
Nitrite (NO2-N)	mg/l	24	< 0.005	0.01046	0.035	0.005	0.018
Organic nitrogen	mg/l	24	< 0.125	0.64	1.72	0.44	1.49
Orthophosphate (PO4-P)	mg/l	24	< 0.025	0.04356	0.0815	0.025	0.0685
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	14.94167	114	3.80	37.00
Potassium (K+)	mg/l	4	1.6	2.975	4.3	4.30	4.30
Silicates (SiO2)	mg/l	24	0.5	3.17013	5.082	3.29	4.669
Sodium (Na+)	mg/l	4	9.3	17.2	30	30.00	30.00
Sulphate (SO4--)	mg/l	4	36.4	39.95	44.2	44.20	44.20
Suspended solids	mg/l	24	4	24.33333	54	21.00	50.00
TOC	mg/l	24	2.3	3.86667	8.1	3.40	4.80
Temperature	°C	24	4	4	4	4.00	4.00
Total nitrogen	mg/l	24	1.33	2.42667	5.02	2.07	3.89
Total phosphorus	mg/l	24	0.06	0.09917	0.15	0.10	0.13
Zinc (Zn), dissolved	µg/l	12	< 2.5	4.08333	15	2.50	6.50

River: Danube **Catchment:** 188700 km2 **2012**
Distance from mouth: 1560 **Altitude:** 89 m **HU4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.6	3.28542	4.1	3.30	3.90
Ammonium (NH ₄ -N)	mg/l	24	< 0.005	0.06354	0.2	0.03	0.16
Arsenic (As), dissolved	µg/l	12	< 0.5	1.35833	8.5	0.50	1.80
BOD (5)	mg/l	24	0.8	2.25	5	1.90	3.90
COD (Cr)	mg/l	24	6	11.54167	19	11.00	17.00
COD (Mn)	mg/l	24	1.8	3.62083	6.6	3.20	5.10
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.05917	0.16	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	40.3	53.175	76.6	49.60	64.50
Chloride (Cl ⁻)	mg/l	24	10.9	20.54583	37.2	19.00	28.00
Chromium (Cr), total	µg/l	12	< 0.1	40.14167	480	0.10	0.30
Conductivity	µS/cm	24	335	426.875	560	415.00	535.00
Copper (Cu), dissolved	µg/l	12	1.7	4.61667	22	2.10	9.40
Dissolved oxygen	mg/l	24	7.5	10.11667	13.1	10.30	7.70
Lead (Pb), dissolved	µg/l	12	< 0.25	0.87083	7.7	0.25	0.25
Magnesium (Mg ⁺⁺)	mg/l	12	3.4	14.54167	20.5	14.60	19.60
Mercury (Hg), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	12	< 0.25	0.77917	2	0.60	1.00
Nitrate (NO ₃ -N)	mg/l	24	0.86	1.69125	2.94	1.42	2.80
Nitrite (NO ₂ -N)	mg/l	24	< 0.005	0.01092	0.036	0.005	0.02
Organic nitrogen	mg/l	24	< 0.125	0.65063	1.87	0.50	1.59
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.025	0.03799	0.0815	0.025	0.0685
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 1	14.675	107	3.80	40.00
Silicates (SiO ₂)	mg/l	24	0.5	3.16338	5.095	3.20	4.592
Suspended solids	mg/l	24	6	22.375	48	23.00	37.00
TOC	mg/l	24	2.3	3.85833	7.6	3.50	4.80
Temperature	°C	24	4	4	4	4.00	4.00
Total nitrogen	mg/l	24	1.23	2.42042	4.95	2.06	3.81
Total phosphorus	mg/l	24	0.06	0.09625	0.18	0.09	0.14
Zinc (Zn), dissolved	µg/l	12	< 2.5	29.66667	313	2.50	18.00

River: Danube **Catchment:** 211503 km2 **2012**
Distance from mouth: 1435 **Altitude:** 79 m **HU5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.5	3.16875	4	3.25	3.70
Ammonium (NH4-N)	mg/l	24	0.01	0.04417	0.11	0.03	0.09
Anionic active surfactants	mg/l	13	< 0.02	0.03154	0.06	0.02	0.05
Arsenic (As), dissolved	µg/l	14	< 0.5	0.93571	1.9	1.10	1.50
Atrazine	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	24	0.8	2.325	5.7	2.20	4.20
COD (Cr)	mg/l	24	6	10.33333	19	10.00	13.00
COD (Mn)	mg/l	24	2	3.325	5.5	3.20	4.70
Cadmium (Cd), dissolved	µg/l	14	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	14	32	52.76429	68.5	56.90	63.60
Chloride (Cl-)	mg/l	23	8.25	18.66304	29.4	18.80	25.40
Chromium (Cr), total	µg/l	14	< 0.1	0.28571	1.4	0.20	0.40
Conductivity	µS/cm	24	315	407.70833	525	410.00	480.00
Copper (Cu), dissolved	µg/l	14	1.3	2.67857	5.6	2.70	4.50
Dissolved oxygen	mg/l	24	7.1	10.12083	12.9	10.40	7.90
Flow	m3/s	366	1290	2278.8251	4380	2230.00	3090.00
Lead (Pb), dissolved	µg/l	14	< 0.25	0.55357	4.5	0.25	0.25
Lindane (gama-HCH)	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
Magnesium (Mg++)	mg/l	14	9.7	13.80714	21.2	13.60	18.60
Mercury (Hg), dissolved	µg/l	14	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	14	< 0.25	0.75357	1.4	0.70	1.30
Nitrate (NO3-N)	mg/l	24	0.63	1.63417	2.83	1.38	2.69
Nitrite (NO2-N)	mg/l	24	< 0.005	0.00829	0.02	0.005	0.018
Organic nitrogen	mg/l	24	< 0.125	0.53104	1.58	0.38	1.28
Orthophosphate (PO4-P)	mg/l	24	< 0.025	0.0504	0.10106	0.0587	0.0685
Petroleum hydrocarbons	mg/l	13	< 0.02	0.03	0.07	0.02	0.04
Phenol index	mg/l	12	< 0.001	0.00217	0.004	0.002	0.004
Phytoplankton (biomass - chlorophyll-a)	µg/l	24	< 0.5	14.38333	123	5.60	44.00
Potassium (K+)	mg/l	14	1.7	2.52143	3.2	2.60	3.10
Silicates (SiO2)	mg/l	24	0.5	3.07258	5.033	3.17	4.923
Sodium (Na+)	mg/l	14	8.1	11.95	16.7	11.90	15.10
Sulphate (SO4--)	mg/l	14	30.8	38.32857	44.2	41.20	43.20
Suspended solids	mg/l	24	6	31.45833	67	28.00	59.00
TOC	mg/l	24	2.1	3.50833	5.6	3.40	4.80
Temperature	°C	24	4	4	4	4.00	4.00
Total nitrogen	mg/l	24	1.04	2.22625	4.3	1.76	3.94
Total phosphorus	mg/l	24	0.06	0.11167	0.18	0.11	0.17
Zinc (Zn), dissolved	µg/l	14	< 2.5	5.67857	42	2.50	7.50

River: Danube **Catchment:** 211503 km2 **2012**
Distance from mouth: 1435 **Altitude:** 79 m **HU5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	11	36.1	49.68182	70	44.90	68.20
Alkalinity - total	mmol/l	12	7.2	7.90583	8.78	7.70	8.71
Ammonium (NH ₄ -N)	mg/l	12	0.04	0.22083	0.78	0.14	0.37
Anionic active surfactants	mg/l	12	0.01	0.02008	0.03	0.02	0.024
Arsenic (As)	µg/l	11	2	5.81818	10	6.00	8.00
Arsenic (As), dissolved	µg/l	12	2	5.33333	9	5.00	8.00
Atrazine	µg/l	1	< 0.0075	< 0.0075	<0.0075		
BOD (5)	mg/l	12	0.5	4.13333	7	4.20	5.50
COD (Cr)	mg/l	12	16	27.25	40	24.00	38.00
COD (Mn)	mg/l	9	5.8	7.8	11	11.00	11.00
Cadmium (Cd)	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Cadmium (Cd), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Calcium (Ca ⁺⁺)	mg/l	11	64	86.36364	106	86.00	104.00
Chloride (Cl ⁻)	mg/l	12	44	55.91667	74	51.00	70.00
Chromium (Cr), total	µg/l	12	< 0.5	0.625	2	0.50	0.50
Conductivity	µS/cm	12	860	947.5	1030	940.00	990.00
Copper (Cu)	µg/l	12	2	5.08333	7	5.00	7.00
Copper (Cu), dissolved	µg/l	12	2	4.08333	6	4.00	5.00
Dissolved oxygen	mg/l	10	7.13	9.795	11.7	7.13	7.13
Flow	m ³ /s	366	1.14	4.54951	13.8	4.35	7.65
Lead (Pb)	µg/l	12	< 0.5	1.125	2	0.50	2.00
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	1	< 0.00000	< 0.00000	<0.00000		
Magnesium (Mg ⁺⁺)	mg/l	11	54	63.09091	70	64.00	67.00
Mercury (Hg)	µg/l	12	< 0.01	0.0375	0.08	0.03	0.06
Mercury (Hg), dissolved	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni)	µg/l	11	1	2.09091	3	2.00	3.00
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.70833	3	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	12	1.06	3.30083	6.36	3.13	5.18
Nitrite (NO ₂ -N)	mg/l	12	0.042	0.06825	0.119	0.059	0.103
Organic nitrogen	mg/l	11	0.571	0.97545	1.501	1.017	1.39
Orthophosphate (PO ₄ -P)	mg/l	12	0.18085	0.30301	0.45663	0.2958	0.4137
Petroleum hydrocarbons	mg/l	4	0.0128	0.01538	0.02	0.02	0.02
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	15.5	55.56667	136	28.80	127.00
Potassium (K ⁺)	mg/l	11	7.5	9.81818	16	9.60	12.00
Sodium (Na ⁺)	mg/l	11	39	55.36364	78	55.00	65.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	74	97.83333	122	97.00	122.00

River: Sio **Catchment:** 14693 km2 **2012**
Distance from mouth: 13 **Altitude:** 85 m **HU6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	6	29.66667	80	24.00	46.00
TOC	mg/l	12	7.4	10.60833	15	9.80	15.00
Temperature	°C	12	4	4	4	4.00	4.00
Total nitrogen	mg/l	12	1.4	4.48333	7.3	4.00	7.10
Total phosphorus	mg/l	12	0.327	0.53567	0.746	0.519	0.716
Zinc (Zn)	µg/l	12	< 10	19.58333	52	10.00	33.00
Zinc (Zn), dissolved	µg/l	12	< 7.5	13.75	61	7.50	29.00
p,p'-DDT	µg/l	1	< 0.01	< 0.01	< 0.01		

River: Drava **Catchment:** 35764 km² **2012**
Distance from mouth: 78 **Altitude:** 92 m **HU7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	22	2.25	2.70227	3.5	2.60	3.35
Ammonium (NH ₄ -N)	mg/l	22	0.01	0.04909	0.21	0.03	0.10
Anionic active surfactants	mg/l	10	< 0.02	0.031	0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	11	< 0.5	0.9	1.9	0.50	1.70
BOD (5)	mg/l	22	0.8	2.07273	3.2	2.10	2.90
COD (Cr)	mg/l	22	7	9.04545	12	9.00	10.00
COD (Mn)	mg/l	22	2.3	2.74545	3.7	2.70	3.30
Cadmium (Cd), dissolved	µg/l	11	< 0.05	0.06273	0.19	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	11	34.8	45.44545	62.8	41.20	62.10
Chloride (Cl ⁻)	mg/l	22	7	11.925	18.4	11.30	17.60
Chromium (Cr), total	µg/l	11	< 0.1	0.30909	0.6	0.30	0.50
Conductivity	µS/cm	22	270	338.86364	520	310.00	435.00
Copper (Cu), dissolved	µg/l	11	0.9	2.60909	8.8	1.90	4.30
Dissolved oxygen	mg/l	22	7.7	9.9	13	9.80	8.20
Flow	m ³ /s	366	210	514.7459	1550	486.00	839.00
Lead (Pb), dissolved	µg/l	11	< 0.25	0.32273	0.7	0.25	0.60
Magnesium (Mg ⁺⁺)	mg/l	11	6.4	11.29091	13.7	11.70	13.10
Mercury (Hg), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Nickel (Ni), dissolved	µg/l	11	< 0.25	0.53636	1	0.50	0.90
Nitrate (NO ₃ -N)	mg/l	22	0.57	0.98773	1.38	0.97	1.33
Nitrite (NO ₂ -N)	mg/l	22	< 0.005	0.00595	0.019	0.005	0.005
Organic nitrogen	mg/l	22	< 0.125	0.29	0.98	0.26	0.56
Orthophosphate (PO ₄ -P)	mg/l	22	< 0.025	0.03888	0.1304	0.025	0.0815
Petroleum hydrocarbons	mg/l	10	< 0.02	0.032	0.06	0.06	0.06
Phenol index	mg/l	9	< 0.001	0.00178	0.005	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	22	< 0.5	5.25909	13	5.20	12.00
Potassium (K ⁺)	mg/l	10	1.6	2.12	2.6	2.60	2.60
Silicates (SiO ₂)	mg/l	11	2.1	3.68673	5.55	3.70	4.794
Sodium (Na ⁺)	mg/l	10	6.1	8.83	13.5	13.50	13.50
Sulphate (SO ₄ ⁻⁻)	mg/l	10	31.2	36.6	41.2	41.20	41.20
Suspended solids	mg/l	11	5	16.63636	46	15.00	23.00
TOC	mg/l	22	1.9	2.70909	4.8	2.60	3.30
Temperature	°C	22	4	4	4	4.00	4.00
Total nitrogen	mg/l	22	0.74	1.33273	2.03	1.41	1.90
Total phosphorus	mg/l	22	0.03	0.08318	0.28	0.07	0.13
Zinc (Zn), dissolved	µg/l	11	< 2.5	3.86364	9	2.50	7.50

River: Tisza/Sajo **Catchment:** 3224 km2
Distance from mouth: 124 **Altitude:** 148 m **2012**
Location: Middle **HU8**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	11	< 5	9.90909	22	5.00	18.00
Alkalinity - total	mmol/l	12	2.35	3.2575	4	3.25	3.70
Aluminium (Al)	µg/l	11	11.5	224.51818	1550	60.00	265.00
Aluminium (Al), dissolved	µg/l	11	< 5	7.07273	27.8	5.00	5.00
Ammonium (NH4-N)	mg/l	12	0.03	0.135	0.32	0.11	0.25
Anionic active surfactants	mg/l	11	< 0.01	0.011	0.021	0.01	0.01
Arsenic (As)	µg/l	11	< 0.5	1.92727	3.2	1.80	3.00
Arsenic (As), dissolved	µg/l	11	< 0.5	1.26364	2.8	1.20	2.50
Atrazine	µg/l	10	< 0.005	< 0.005	< 0.005	0.005	0.005
BOD (5)	mg/l	11	2	2.95455	5.3	2.50	3.70
COD (Cr)	mg/l	12	7	11.66667	20	10.00	16.00
COD (Mn)	mg/l	12	2.2	3.85833	7.2	3.30	5.20
Cadmium (Cd)	µg/l	11	< 0.05	0.09545	0.5	0.05	0.10
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	11	43.9	60.90909	76.8	63.00	70.10
Carbon tetrachloride	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Chloride (Cl-)	mg/l	12	8	14.25	20	14.00	19.00
Chloroform	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Chromium (Cr) - total	µg/l	11	< 0.5	1.28182	7.1	0.50	1.80
Chromium (Cr), total	µg/l	11	< 0.5	0.55455	1.1	0.50	0.50
Conductivity	µS/cm	12	365	514.75	657	518.00	587.00
Copper (Cu)	µg/l	11	3.7	4.92727	8.2	4.10	6.40
Copper (Cu), dissolved	µg/l	11	2.6	3.58182	7	3.00	5.00
Dissolved oxygen	mg/l	12	7	9.93333	14.2	8.20	7.10
Flow	m3/s	366	2.73	7.98732	55.9	6.65	11.80
Iron (Fe)	mg/l	9	0.13	0.39889	1.49	1.49	1.49
Lead (Pb)	µg/l	11	< 0.5	2.12727	3.4	2.20	3.00
Lead (Pb), dissolved	µg/l	11	< 0.5	0.8	2.2	0.50	1.40
Lindane (gama-HCH)	µg/l	10	< 0.002	< 0.002	< 0.002	0.002	0.002
Magnesium (Mg++)	mg/l	11	9.9	15.76364	20.5	16.60	19.40
Manganese (Mn)	mg/l	9	0.05	0.10778	0.19	0.19	0.19
Mercury (Hg)	µg/l	10	< 0.02	0.104	0.86	0.86	0.86
Mercury (Hg), dissolved	µg/l	10	< 0.02	< 0.02	< 0.02	0.02	0.02
Nickel (Ni)	µg/l	11	< 0.5	3.20909	9.9	2.50	8.50
Nickel (Ni), dissolved	µg/l	11	< 0.5	2.05455	6.2	1.80	3.20
Nitrate (NO3-N)	mg/l	12	1.3	1.9	3	1.80	2.40
Nitrite (NO2-N)	mg/l	12	0.02	0.04	0.15	0.02	0.05
Organic nitrogen	mg/l	11	< 0.025	0.3	0.64	0.30	0.50

River: Tisza/Sajo **Catchment:** 3224 km2 **2012**
Distance from mouth: 124 **Altitude:** 148 m **HU8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Orthophosphate (PO4-P)	mg/l	12	0.03586	0.08476	0.15648	0.075	0.1402
Petroleum hydrocarbons	mg/l	11	< 0.01	0.01564	0.049	0.01	0.022
Phenol index	mg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	< 0.5	2.63333	8.2	1.60	7.10
Potassium (K+)	mg/l	11	2.6	3.97273	5.8	3.70	5.60
Sodium (Na+)	mg/l	11	5.8	10.56364	18.8	10.20	14.80
Suspended solids	mg/l	12	< 2.5	15.375	95	5.00	23.00
TOC	mg/l	11	< 0.5	3.40727	6.19	3.17	4.82
Temperature	°C	12	4	4	4	4.00	4.00
Tetrachloroethylene	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Total nitrogen	mg/l	11	1.54	2.37	3.8	2.20	3.30
Total phosphorus	mg/l	12	0.07	0.12167	0.19	0.12	0.18
Trichloroethylene	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Zinc (Zn)	µg/l	11	64	113	172	112.00	153.00
Zinc (Zn), dissolved	µg/l	11	31	58.35455	108	60.90	75.00
p,p'-DDT	µg/l	10	< 0.006	< 0.006	< 0.006	0.006	0.006
pH	-	1	7.8	7.8	7.8		

River: Tisza **Catchment:** 138498 km2 **2012**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.55833	3.3	2.40	3.20
Aluminium (Al), dissolved	µg/l	11	9.3	53.71818	184	33.90	137.00
Ammonium (NH4-N)	mg/l	24	< 0.015	0.07458	0.3	0.04	0.18
Anionic active surfactants	mg/l	11	< 0.01	0.02545	0.04	0.03	0.04
Arsenic (As), dissolved	µg/l	11	< 1	1.54273	3.89	1.00	2.60
Atrazine	µg/l	11	< 0.0025	< 0.00591	< 0.01	0.0025	0.01
BOD (5)	mg/l	11	0.6	1.59091	3	1.30	3.00
COD (Cr)	mg/l	11	< 4	11.00909	29.4	10.20	15.20
COD (Mn)	mg/l	11	2.2	4.09091	9.7	3.70	4.90
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	11	29.7	43.11818	56.8	40.20	54.60
Chloride (Cl-)	mg/l	11	12	34.45455	56	38.00	48.00
Chromium (Cr), total	µg/l	11	< 0.25	0.81818	2	1.00	1.00
Conductivity	µS/cm	12	250	386.08333	525	388.00	490.00
Copper (Cu), dissolved	µg/l	11	2.4	4.11818	5.8	4.20	5.30
Dissolved oxygen	mg/l	13	3.8	8.51538	12.2	8.10	5.60
Lead (Pb), dissolved	µg/l	11	< 0.5	1.59091	5	1.00	4.00
Lindane (gama-HCH)	µg/l	11	< 0.0015	0.00247	0.0052	0.0025	0.003
Magnesium (Mg++)	mg/l	11	5.76	8.60909	11.5	8.77	11.30
Mercury (Hg), dissolved	µg/l	11	< 0.05	0.34545	< 1	0.05	1.00
Nickel (Ni), dissolved	µg/l	11	< 0.25	0.66818	1.9	0.60	1.30
Nitrate (NO3-N)	mg/l	24	< 0.09	0.91458	1.93	0.99	1.44
Nitrite (NO2-N)	mg/l	24	< 0.005	0.01125	0.02	0.01	0.02
Organic nitrogen	mg/l	24	< 0.05	0.34875	0.78	0.29	0.73
Orthophosphate (PO4-P)	mg/l	24	< 0.01	0.03289	0.04996	0.03	0.05
Petroleum hydrocarbons	mg/l	11	0.02	0.02636	0.03	0.03	0.03
Phenol index	mg/l	11	< 0.001	0.00236	0.006	0.002	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.5	10.52727	27	6.80	26.00
Potassium (K+)	mg/l	11	2	3.5	5	3.70	4.60
Silicates (SiO2)	mg/l	24	0.4	6.59167	11.1	7.00	9.50
Sodium (Na+)	mg/l	11	11	29.18182	48	29.00	45.00
Sulphate (SO4--)	mg/l	11	16	42	56	45.00	55.00
Suspended solids	mg/l	24	< 2	42.41667	346	12.00	103.00
TOC	mg/l	11	2.9	5.07273	12	4.40	6.00
Temperature	°C	24	4	4	4	4.00	4.00
Total nitrogen	mg/l	24	< 0.15	1.32375	2.4	1.30	2.00
Total phosphorus	mg/l	24	< 0.025	0.11146	0.4	0.09	0.14
Zinc (Zn), dissolved	µg/l	11	2.2	5.58182	12.5	5.40	9.20

River: Tisza **Catchment:** 138498 km2 **2012**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	11	< 0.001	0.00291	0.019	0.0015	0.0015
pH	-	12	7.66	8.13	8.75	8.09	7.76

River: Tisza
Distance from mouth: 163
Location: Middle
Catchment: 138498 km²
Altitude: 74 m
2012
HU9

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.51667	3.2	2.40	3.10
Aluminium (Al), dissolved	µg/l	11	5.5	26.00909	75.6	25.80	49.10
Ammonium (NH ₄ -N)	mg/l	23	< 0.015	0.05891	0.24	0.03	0.16
Anionic active surfactants	mg/l	11	< 0.01	0.02545	0.06	0.02	0.05
Arsenic (As), dissolved	µg/l	11	< 1	1.42727	3.81	1.00	2.89
Atrazine	µg/l	11	< 0.0025	< 0.00591	< 0.01	0.0025	0.01
BOD (5)	mg/l	11	0.6	1.69091	3	1.30	2.90
COD (Cr)	mg/l	11	< 4	11.71818	22.9	11.00	20.10
COD (Mn)	mg/l	11	2.1	3.7	8.6	3.40	4.60
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	11	31.2	42.88182	56.8	40.20	52.30
Chloride (Cl ⁻)	mg/l	11	12	32.36364	52	31.00	48.00
Chromium (Cr), total	µg/l	11	< 0.25	0.59091	1	0.25	1.00
Conductivity	µS/cm	12	242	382.08333	525	394.00	486.00
Copper (Cu), dissolved	µg/l	11	2	3.44545	6.3	3.10	5.00
Dissolved oxygen	mg/l	12	5.6	9.24167	12.3	8.30	8.00
Flow	m ³ /s	366	119	451.78962	1320	334.00	1080.00
Lead (Pb), dissolved	µg/l	11	< 0.5	4.63636	36	0.50	5.00
Lindane (gama-HCH)	µg/l	11	< 0.0015	< 0.00223	< 0.003	0.0025	0.003
Magnesium (Mg ⁺⁺)	mg/l	11	5.56	8.49273	11.7	8.36	11.00
Mercury (Hg), dissolved	µg/l	11	< 0.05	0.35909	< 1	0.10	1.00
Nickel (Ni), dissolved	µg/l	11	< 0.25	0.57727	1.4	0.60	0.90
Nitrate (NO ₃ -N)	mg/l	23	< 0.09	0.87913	1.77	0.99	1.41
Nitrite (NO ₂ -N)	mg/l	23	< 0.005	0.01174	0.02	0.01	0.02
Organic nitrogen	mg/l	23	< 0.05	0.28957	0.72	0.27	0.50
Orthophosphate (PO ₄ -P)	mg/l	23	< 0.01	0.03432	0.05995	0.04	0.05
Petroleum hydrocarbons	mg/l	11	0.02	0.02636	0.04	0.03	0.03
Phenol index	mg/l	11	< 0.001	0.00255	0.004	0.003	0.004
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.5	10.04545	43	8.30	16.00
Potassium (K ⁺)	mg/l	11	2	3.42727	4.9	3.40	4.40
Silicates (SiO ₂)	mg/l	23	0.3	6.22609	9.7	6.90	8.60
Sodium (Na ⁺)	mg/l	11	11	26.72727	48	26.00	38.00
Sulphate (SO ₄ ⁻⁻)	mg/l	11	9	39.54545	54	43.00	49.00
Suspended solids	mg/l	23	< 2	36.13043	296	10.00	91.00
TOC	mg/l	11	2.5	4.48182	8.1	4.50	5.40
Temperature	°C	23	4	4	4	4.00	4.00
Total nitrogen	mg/l	23	< 0.15	1.21478	2.2	1.20	1.80
Total phosphorus	mg/l	23	< 0.025	0.10674	0.37	0.09	0.15

River: Tisza **Catchment:** 138498 km2 **2012**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	11	1.7	8.84545	54.5	4.30	9.30
p,p'-DDT	µg/l	11	< 0.001	0.0032	0.021	0.0015	0.0022
pH	-	12	7.82	8.17167	8.43	8.10	7.87

River: Tisza
Distance from mouth: 163
Location: Right

Catchment: 138498 km²
Altitude: 74 m

2012
HU9

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.7	2.55833	3.2	2.50	3.20
Aluminium (Al), dissolved	µg/l	11	4.6	43.52727	221	24.10	54.60
Ammonium (NH ₄ -N)	mg/l	23	< 0.015	0.0613	0.26	0.03	0.16
Anionic active surfactants	mg/l	11	< 0.01	0.02182	0.05	0.02	0.04
Arsenic (As), dissolved	µg/l	11	< 1	1.36182	3.38	1.00	2.60
Atrazine	µg/l	11	< 0.0025	< 0.00591	< 0.01	0.0025	0.01
BOD (5)	mg/l	11	0.5	1.61818	3.2	1.30	3.00
COD (Cr)	mg/l	11	< 4	10.43636	29.8	9.50	14.50
COD (Mn)	mg/l	11	2.1	4.07273	9.6	3.80	5.50
Cadmium (Cd), dissolved	µg/l	11	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	11	29.5	42.97273	54.8	45.10	51.50
Chloride (Cl ⁻)	mg/l	11	12	31.81818	51	30.00	49.00
Chromium (Cr), total	µg/l	11	< 0.25	0.31818	1	0.25	0.25
Conductivity	µS/cm	12	248	380.08333	525	382.00	486.00
Copper (Cu), dissolved	µg/l	11	1.8	3.3	5.6	2.80	4.80
Dissolved oxygen	mg/l	12	5.6	9.00833	12.2	8.10	6.60
Lead (Pb), dissolved	µg/l	11	< 0.5	3.68182	23	2.00	5.00
Lindane (gama-HCH)	µg/l	11	< 0.0015	0.00264	0.006	0.0025	0.003
Magnesium (Mg ⁺⁺)	mg/l	11	5.36	8.69364	11.4	8.78	11.10
Mercury (Hg), dissolved	µg/l	11	< 0.05	0.36818	< 1	0.10	1.00
Nickel (Ni), dissolved	µg/l	11	< 0.25	0.57727	1.5	0.60	1.00
Nitrate (NO ₃ -N)	mg/l	23	< 0.09	0.86348	1.75	0.92	1.42
Nitrite (NO ₂ -N)	mg/l	23	< 0.005	0.01087	0.02	0.01	0.02
Organic nitrogen	mg/l	23	< 0.05	0.28565	0.85	0.26	0.52
Orthophosphate (PO ₄ -P)	mg/l	23	< 0.01	0.03259	0.05995	0.04	0.05
Petroleum hydrocarbons	mg/l	11	0.02	0.02909	0.04	0.03	0.04
Phenol index	mg/l	11	< 0.001	0.00327	0.009	0.003	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	1.2	11.41818	42	5.60	22.00
Potassium (K ⁺)	mg/l	11	2	3.48182	4.7	3.40	4.60
Silicates (SiO ₂)	mg/l	23	0.4	6.25217	9.7	6.80	9.10
Sodium (Na ⁺)	mg/l	11	11	28.09091	44	29.00	41.00
Sulphate (SO ₄ ⁻⁻)	mg/l	11	10	42.81818	73	46.00	54.00
Suspended solids	mg/l	23	4	39.65217	361	15.00	90.00
TOC	mg/l	11	2.6	4.50909	8.4	4.50	5.60
Temperature	°C	23	4	4	4	4.00	4.00
Total nitrogen	mg/l	23	< 0.15	1.2	2.2	1.20	1.90
Total phosphorus	mg/l	23	< 0.025	0.105	0.4	0.09	0.13
Zinc (Zn), dissolved	µg/l	11	2.8	9.2	43.3	6.20	11.00

River: Tisza **Catchment:** 138498 km2 **2012**
Distance from mouth: 163 **Altitude:** 74 m **HU9**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	11	< 0.001	0.00179	0.0062	0.0015	0.0015
pH	-	12	7.77	8.14083	8.48	8.14	7.84

River:
Distance from mouth:
Location:

Prut
658
Left

Catchment:
Altitude:

8750 km²
100 m

2012
MD1

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	135	179	289	166.00	217.00
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.20583	0.56	0.13	0.50
Anionic active surfactants	mg/l	12	< 0.005	0.00958	0.03	0.005	0.02
BOD (5)	mg/l	12	2	2.51833	3.48	2.32	2.98
COD (Cr)	mg/l	12	9.07	13.85583	19.1	13.10	17.40
COD (Mn)	mg/l	5	1.8	1.956	2.22	2.22	2.22
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca ⁺⁺)	mg/l	12	40.1	68.78333	128	64.10	88.20
Chloride (Cl ⁻)	mg/l	12	14.2	37.24167	58.4	31.90	58.40
Conductivity	µS/cm	12	348	594.33333	1023	518.00	806.00
Copper (Cu)	µg/l	12	4	16.66667	91	7.00	23.00
Copper (Cu), dissolved	µg/l	12	< 1.5	1.875	3	1.50	3.00
Dissolved oxygen	mg/l	12	6.51	8.94167	11.56	8.30	7.16
Iron (Fe)	mg/l	13	< 0.01	0.05077	0.11	0.04	0.10
Lead (Pb)	µg/l	12	< 1.5	1.79167	5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Magnesium (Mg ⁺⁺)	mg/l	12	4.86	9.22333	18.2	7.30	14.60
Manganese (Mn)	mg/l	1	1.25	1.25	1.25		
Mercury (Hg)	µg/l	3	< 0.15	0.3	0.6		
Mercury (Hg), dissolved	µg/l	3	< 0.15	< 0.15	< 0.15		
Nickel (Ni)	µg/l	12	< 1.5	2.72633	11.214	1.50	4.475
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	12	0.15	0.58667	1.68	0.34	1.33
Nitrite (NO ₂ -N)	mg/l	12	0.01	0.02008	0.034	0.017	0.031
Orthophosphate (PO ₄ -P)	mg/l	12	0.007	0.026	0.068	0.019	0.05
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.10667	0.55	0.06	0.14
Phenol index	mg/l	12	< 0.0005	0.00092	0.002	0.0005	0.002
Potassium (K ⁺)	mg/l	21	3	5.94762	8.4	6.00	7.20
Silicates(SiO ₂), dissolved	mg/l	12	0.6	2.03333	3.6	1.70	3.60
Sodium (Na ⁺)	mg/l	21	15.4	37.88571	59.6	35.20	53.60
Sulphate (SO ₄ ⁻⁻)	mg/l	12	33.1	75.8	129	62.60	110.00
Suspended solids	mg/l	12	< 0.5	33.16667	100	16.00	100.00
Temperature	°C	12	0.3	13.675	27.5	11.00	26.60
Total phosphorus	mg/l	12	0.03	0.06542	0.116	0.062	0.087
Zinc (Zn)	µg/l	12	< 1.5	56.04167	340	25.00	81.00
Zinc (Zn), dissolved	µg/l	12	< 1.5	1.625	3	1.50	1.50

River: Prut **Catchment:** 8750 km2 **2012**
Distance from mouth: 658 **Altitude:** 100 m **MD1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.001	0.03358	0.2	0.025	0.025
pH	-	12	7.97	8.23333	8.44	8.28	8.00

River:	Prut	Catchment:	27480 km2	2012			
Distance from mouth:	0	Altitude:	5 m	MD3			
Location:	Left						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	143	201	290	196.00	237.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.17167	0.42	0.13	0.36
Anionic active surfactants	mg/l	12	< 0.005	0.01042	0.03	0.005	0.03
BOD (5)	mg/l	12	1.7	2.42	3.29	2.32	2.81
COD (Cr)	mg/l	12	12	16.89167	23.6	16.10	20.00
COD (Mn)	mg/l	12	2.42	2.9025	3.44	2.85	3.36
Cadmium (Cd)	µg/l	12	< 0.25	4.43217	15.698	1.215	9.659
Cadmium (Cd), dissolved	µg/l	12	< 0.25	1.32183	3.696	1.20	2.811
Calcium (Ca ⁺⁺)	mg/l	12	36.1	59.11667	80.2	58.10	80.20
Chloride (Cl ⁻)	mg/l	12	24.8	32.91667	43.8	31.90	37.20
Conductivity	µS/cm	12	435	604	834	618.00	754.00
Copper (Cu)	µg/l	12	< 1.5	9.54167	17	9.00	16.00
Copper (Cu), dissolved	µg/l	12	< 1.5	2.25	5	1.50	4.00
Dissolved oxygen	mg/l	12	6.84	9.565	12.86	9.28	7.00
Iron (Fe)	mg/l	12	0.04	0.10333	0.2	0.10	0.16
Lead (Pb)	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Macrozoobenthos no. of taxa	-	1	404	404	404		
Magnesium (Mg ⁺⁺)	mg/l	12	8.51	16.41167	24.3	15.80	21.90
Mercury (Hg)	µg/l	3	< 0.15	< 0.15	< 0.15		
Mercury (Hg), dissolved	µg/l	3	< 0.15	< 0.15	< 0.15		
Nickel (Ni)	µg/l	12	< 1.5	3.16358	6.486	1.50	5.257
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	< 0.05	0.80833	1.53	0.80	1.45
Nitrite (NO2-N)	mg/l	12	0.005	0.01358	0.022	0.013	0.02
Orthophosphate (PO4-P)	mg/l	12	0.015	0.0475	0.097	0.041	0.065
Petroleum hydrocarbons	mg/l	12	0.03	0.12583	0.55	0.08	0.25
Phenol index	mg/l	12	< 0.0005	0.00104	0.002	0.001	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	3.95	3.95	3.95		
Potassium (K ⁺)	mg/l	12	5	6.125	7.2	6.00	6.80
Silicates(SiO2), dissolved	mg/l	12	0.6	2.21667	5.5	1.80	3.00
Sodium (Na ⁺)	mg/l	12	26.8	43.98333	58.6	42.00	53.60
Sulphate (SO4 ⁻⁻)	mg/l	11	64.4	94.86364	132	95.70	118.00
Suspended solids	mg/l	12	< 0.5	51.25	80	50.00	80.00
Temperature	°C	12	0.2	12.80833	26.5	13.10	25.00
Total phosphorus	mg/l	12	0.047	0.07842	0.12	0.065	0.108
Zinc (Zn)	µg/l	12	< 1.5	33.29167	84	34.00	70.00

River: Prut **Catchment:** 27480 km2 **2012**
Distance from mouth: 0 **Altitude:** 5 m **MD3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 1.5	2.25	9	1.50	3.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	7.73	8.15417	8.38	8.16	8.03

River:
Distance from mouth:
Location:

Prut
254
Left

Catchment:
Altitude:

62890 km2
91 m

2012
MD5

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	137	164.91667	229	146.00	217.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.04	0.1	0.01	0.10
Anionic active surfactants	mg/l	12	< 0.005	0.01	0.02	0.005	0.02
BOD (5)	mg/l	12	1.34	1.98083	2.83	1.86	2.68
COD (Cr)	mg/l	12	7.03	13.4525	21.2	12.30	17.10
COD (Mn)	mg/l	5	2.03	2.19	2.35	2.35	2.35
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca ⁺⁺)	mg/l	12	40.1	56.94167	84.2	52.10	72.10
Chloride (Cl ⁻)	mg/l	12	19.5	27.06667	40.2	24.80	32.90
Conductivity	µS/cm	12	376	491.08333	650	462.00	623.00
Copper (Cu)	µg/l	12	3	9.5	25	9.00	14.00
Copper (Cu), dissolved	µg/l	12	< 1.5	1.625	3	1.50	1.50
Dissolved oxygen	mg/l	12	8.3	9.86333	11.56	9.77	8.79
Iron (Fe)	mg/l	11	< 0.01	0.02364	0.06	0.02	0.04
Lead (Pb)	µg/l	12	< 1.5	1.625	3	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gamma-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Magnesium (Mg ⁺⁺)	mg/l	12	7.3	10.95583	17	9.73	14.60
Mercury (Hg)	µg/l	3	< 0.15	< 0.15	< 0.15		
Mercury (Hg), dissolved	µg/l	3	< 0.15	< 0.15	< 0.15		
Nickel (Ni)	µg/l	12	< 1.5	1.63608	3.133	1.50	1.50
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	12	0.18	0.55583	1.43	0.45	1.00
Nitrite (NO ₂ -N)	mg/l	12	0.005	0.01283	0.02	0.01	0.02
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.01521	0.052	0.012	0.018
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.07083	0.21	0.05	0.15
Phenol index	mg/l	12	< 0.0005	0.00158	0.007	0.0005	0.003
Potassium (K ⁺)	mg/l	12	3.8	4.725	6	4.60	5.50
Silicates(SiO ₂), dissolved	mg/l	12	1.2	2.20833	3	2.10	2.90
Sodium (Na ⁺)	mg/l	12	16.4	26.99167	37.8	27.80	30.40
Sulphate (SO ₄ ⁻⁻)	mg/l	12	44.2	68.81667	87.4	65.20	87.40
Suspended solids	mg/l	12	< 0.5	21.58333	178	0.50	20.00
Temperature	°C	12	0.4	14.325	27.3	12.30	26.30
Total phosphorus	mg/l	12	0.024	0.11183	0.456	0.047	0.42
Zinc (Zn)	µg/l	12	8	32.5	74	16.00	73.00
Zinc (Zn), dissolved	µg/l	12	< 1.5	3.125	8	1.50	7.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025

River: Prut **Catchment:** 62890 km2 **2012**
Distance from mouth: 254 **Altitude:** 91 m **MD5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	12	7.96	8.36833	8.51	8.40	8.25

River: Prut
Distance from mouth: 254
Location: Left

Catchment: 62890 km²
Altitude: 63 m

2012
MD6

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	137	167.66667	229	155.00	214.00
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.0325	0.1	0.01	0.07
Anionic active surfactants	mg/l	12	< 0.005	0.01125	0.02	0.005	0.02
BOD (5)	mg/l	12	1.34	1.93917	3.13	1.67	2.66
COD (Cr)	mg/l	12	7.03	11.89167	17.1	12.30	14.10
Cadmium (Cd)	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca ⁺⁺)	mg/l	12	44.1	58.60833	84.2	56.10	72.10
Chloride (Cl ⁻)	mg/l	12	21.3	27.65	34.7	28.40	34.70
Conductivity	µS/cm	12	393	511.75	711	470.00	641.00
Copper (Cu)	µg/l	12	5	9.66667	25	7.00	18.00
Copper (Cu), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Dissolved oxygen	mg/l	12	7.49	9.56417	11.88	9.44	7.65
Iron (Fe)	mg/l	12	< 0.01	0.01917	0.04	0.01	0.04
Lead (Pb)	µg/l	12	< 1.5	1.625	3	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Magnesium (Mg ⁺⁺)	mg/l	12	4.86	10.14417	14.6	9.73	14.60
Mercury (Hg)	µg/l	2	< 0.15	< 0.15	< 0.15		
Mercury (Hg), dissolved	µg/l	2	< 0.15	< 0.15	< 0.15		
Nickel (Ni)	µg/l	12	< 1.5	2.37192	4.146	1.50	3.917
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	12	0.1	0.53083	0.95	0.54	0.83
Nitrite (NO ₂ -N)	mg/l	12	< 0.0025	0.01129	0.021	0.01	0.019
Orthophosphate (PO ₄ -P)	mg/l	12	0.01	0.01425	0.023	0.013	0.019
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.06333	0.15	0.04	0.13
Phenol index	mg/l	12	< 0.0005	0.00104	0.003	0.0005	0.003
Potassium (K ⁺)	mg/l	12	3.8	4.93333	6	5.00	5.50
Silicates(SiO ₂), dissolved	mg/l	12	1.7	2.29167	3.3	2.20	2.70
Sodium (Na ⁺)	mg/l	12	21.6	28.775	37.8	27.80	36.70
Sulphate (SO ₄ --)	mg/l	12	50.6	73.25833	110	73.60	90.20
Suspended solids	mg/l	12	< 0.5	23.33333	118	0.50	50.00
Temperature	°C	12	1.2	12.75833	23.7	12.10	23.10
Total phosphorus	mg/l	12	0.019	0.041	0.074	0.032	0.069
Zinc (Zn)	µg/l	12	9	29.58333	71	15.00	63.00
Zinc (Zn), dissolved	µg/l	12	< 1.5	2.75	11	1.50	4.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	7.82	8.24667	8.63	8.21	8.10

River: Prut **Catchment:** 30953 km2 **2012**
Distance from mouth: 525 **Altitude:** 55 m **MD7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	160	207.58333	360	182.00	248.00
Ammonium (NH4-N)	mg/l	12	< 0.01	0.07417	0.26	0.01	0.26
Anionic active surfactants	mg/l	12	< 0.005	0.01167	0.04	0.005	0.02
BOD (5)	mg/l	12	2	2.65667	3.16	2.65	3.00
COD (Cr)	mg/l	12	11	15.45833	18.4	16.10	18.10
COD (Mn)	mg/l	12	2.09	2.55333	3.55	2.53	2.85
Cadmium (Cd)	µg/l	12	< 0.25	0.6465	3.6	0.25	1.046
Cadmium (Cd), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Calcium (Ca++)	mg/l	12	44.1	58.61667	76.2	56.10	76.20
Chloride (Cl-)	mg/l	12	21.3	33.31667	54.8	31.90	46.10
Conductivity	µS/cm	12	429	582.66667	776	588.00	689.00
Copper (Cu)	µg/l	12	< 1.5	9.45833	16	8.00	15.00
Copper (Cu), dissolved	µg/l	12	< 1.5	1.75	3	1.50	3.00
Dissolved oxygen	mg/l	12	6.19	9.83	12.05	9.12	7.00
Iron (Fe)	mg/l	12	0.02	0.055	0.12	0.04	0.08
Lead (Pb)	µg/l	12	< 1.5	1.66917	3.53	1.50	1.50
Lead (Pb), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	12	< 0.00000	< 0.00000	< 0.00000	0.00	0.00
Magnesium (Mg++)	mg/l	12	7.3	18.13667	43.8	17.00	24.30
Mercury (Hg)	µg/l	2	< 0.15	< 0.15	< 0.15		
Mercury (Hg), dissolved	µg/l	2	< 0.15	< 0.15	< 0.15		
Nickel (Ni)	µg/l	12	< 1.5	2.59558	5	1.50	3.636
Nickel (Ni), dissolved	µg/l	12	< 1.5	< 1.5	< 1.5	1.50	1.50
Nitrate (NO3-N)	mg/l	12	0.58	1.43083	6.5	0.92	1.38
Nitrite (NO2-N)	mg/l	12	0.007	0.01317	0.024	0.01	0.021
Orthophosphate (PO4-P)	mg/l	12	0.037	0.07075	0.135	0.058	0.099
Petroleum hydrocarbons	mg/l	12	< 0.00000	0.07367	0.2	0.06	0.14
Phenol index	mg/l	12	< 0.0005	0.00092	0.002	0.0005	0.002
Potassium (K+)	mg/l	12	4.6	6	9.7	5.50	7.20
Silicates(SiO2), dissolved	mg/l	12	1.6	2.23333	3.6	2.00	2.90
Sodium (Na+)	mg/l	12	28.8	42.54167	68	42.00	53.60
Sulphate (SO4--)	mg/l	12	54.3	94.35	140	92.00	134.00
Suspended solids	mg/l	12	< 0.5	28.04167	60	20.00	60.00
Temperature	°C	12	0.4	11.9	26.8	9.40	24.20
Total phosphorus	mg/l	12	0.072	0.10675	0.171	0.082	0.146
Zinc (Zn)	µg/l	12	< 1.5	31	90	15.00	83.00
Zinc (Zn), dissolved	µg/l	12	< 1.5	3.04167	8	1.50	7.00
p,p'-DDT	µg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025

River: Prut **Catchment:** 30953 km2 **2012**
Distance from mouth: 525 **Altitude:** 55 m **MD7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	12	8.09	8.31333	8.46	8.34	8.14

River: Danube
Distance from mouth: 1071
Location: Left

Catchment: 570896 km²
Altitude: 70 m

2012
RO1

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	24	2.44	2.85708	3.74	2.82	3.24
Ammonium (NH ₄ -N)	mg/l	24	< 0.0125	0.07942	0.214	0.0675	0.154
Anionic active surfactants	mg/l	24	< 0.05	0.14842	0.251	0.125	0.25
Arsenic (As)	µg/l	12	< 0.5	1.04817	2.5	0.50	2.113
Arsenic (As), dissolved	µg/l	24	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	24	1.25	2.09292	3.72	1.97	2.83
COD (Cr)	mg/l	24	8.26	11.55833	15.66	11.16	14.68
COD (Mn)	mg/l	24	2.01	2.90458	5.22	2.68	4.07
Cadmium (Cd)	µg/l	12	< 0.075	0.09783	0.184	0.075	0.165
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	24	26.08	44.73417	57.42	43.06	55.83
Chloride (Cl ⁻)	mg/l	24	12.25	17.43292	26.19	17.46	21.34
Chromium (Cr) - total	µg/l	12	< 0.5	1.04833	1.451	1.075	1.406
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	24	273	378.16667	475	395.00	435.00
Copper (Cu)	µg/l	12	1.945	3.10083	4.127	3.207	3.704
Copper (Cu), dissolved	µg/l	12	< 0.5	1.759	2.977	1.709	2.734
Dissolved oxygen	mg/l	24	6.64	9.30917	12.69	8.89	7.25
Flow	m ³ /s	366	2100	4397.3770	7080	4200.00	6250.00
Iron (Fe)	mg/l	1	0.149	0.149	0.149		
Lead (Pb)	µg/l	12	< 0.15	2.11042	3.874	2.107	3.45
Lead (Pb), dissolved	µg/l	12	< 0.15	0.61817	1.523	0.15	1.435
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.219	2.2205	2.222		
Magnesium (Mg ⁺⁺)	mg/l	24	6.79	13.13542	23.28	13.58	16.49
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.03627	0.101	0.031	0.0762
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01658	0.082	0.0075	0.0275
Nickel (Ni)	µg/l	11	1.005	1.98064	3.14	2.00	2.14
Nickel (Ni), dissolved	µg/l	11	< 0.5	1.66182	2	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	24	0.5042	1.03354	2.05	0.914	1.744
Nitrite (NO ₂ -N)	mg/l	24	0.0081	0.02105	0.099	0.0141	0.036
Orthophosphate (PO ₄ -P)	mg/l	24	0.012	0.09121	0.156	0.101	0.138
Phenol index	mg/l	24	< 0.0025	0.00273	0.008	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	5.68	6.035	6.39		
Potassium (K ⁺)	mg/l	21	1	2.2381	3	2.00	3.00
Silicates(SiO ₂), dissolved	mg/l	24	1.9	3.4125	6.2	3.10	5.60

River: Danube **Catchment:** 570896 km2 **2012**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	21	12	17.85714	31	18.00	22.00
Sulphate (SO4--)	mg/l	24	22.02	32.08625	38.64	32.80	36.62
Suspended solids	mg/l	24	32	37.20833	61	36.00	39.00
TOC	mg/l	15	1.065	2.8792	5.108	2.274	4.694
Temperature	°C	24	1	15.00833	28	14.00	24.20
Total nitrogen	mg/l	20	1.06	1.6312	2.97	1.40	2.40
Total phosphorus	mg/l	24	0.066	0.145	0.229	0.148	0.197
Zinc (Zn)	µg/l	12	25.4	43.00875	68.9	35.30	62.105
Zinc (Zn), dissolved	µg/l	12	17.9	29.42825	55.7	25.30	48.139
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	24	7.25	7.85917	8.21	7.86	7.69

River:	Danube	Catchment:	570896 km2	2012			
Distance from mouth:	1071	Altitude:	70 m	RO1			
Location:	Middle						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	18	2.4	2.78056	3.39	2.80	3.31
Ammonium (NH4-N)	mg/l	18	< 0.0125	0.06773	0.168	0.062	0.128
Anionic active surfactants	mg/l	18	< 0.05	0.13461	0.21	0.121	0.208
Arsenic (As)	µg/l	10	< 0.5	0.984	1.704	1.704	1.704
Arsenic (As), dissolved	µg/l	18	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	10	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	18	1.16	1.91667	3	2.00	2.79
COD (Cr)	mg/l	18	7.44	10.56444	15.66	10.54	14.41
COD (Mn)	mg/l	18	1.84	2.4	3.45	2.28	3.45
Cadmium (Cd)	µg/l	10	< 0.075	0.1349	0.554	0.554	0.554
Cadmium (Cd), dissolved	µg/l	10	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	18	26.98	43.16667	54.23	41.47	52.64
Chloride (Cl-)	mg/l	18	10.77	16.62611	25.49	16.67	23.24
Chromium (Cr) - total	µg/l	10	< 0.5	1.0086	1.753	1.753	1.753
Chromium (Cr), total	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	18	330	379.55556	492	383.00	451.00
Copper (Cu)	µg/l	10	2.752	3.3262	4.3	4.30	4.30
Copper (Cu), dissolved	µg/l	10	1.244	1.8778	2.653	2.653	2.653
Dissolved oxygen	mg/l	18	6.41	9.18389	12.95	8.82	7.15
Flow	m3/s	366	2100	4397.3770	7080	4200.00	6250.00
Iron (Fe)	mg/l	1	0.139	0.139	0.139		
Lead (Pb)	µg/l	10	< 0.15	2.0567	3.968	3.968	3.968
Lead (Pb), dissolved	µg/l	10	< 0.15	0.824	1.409	1.409	1.409
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	18	7.76	13.58	21.34	13.58	19.40
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	10	< 0.0075	0.0232	0.06	0.06	0.06
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.016	0.049	0.049	0.049
Nickel (Ni)	µg/l	9	< 0.5	2.043	4.03	4.03	4.03
Nickel (Ni), dissolved	µg/l	9	< 0.5	1.66989	2.029	2.029	2.029
Nitrate (NO3-N)	mg/l	18	0.55	0.99849	2.28	0.9324	1.848
Nitrite (NO2-N)	mg/l	18	0.0099	0.02274	0.087	0.016	0.069
Orthophosphate (PO4-P)	mg/l	18	0.008	0.0845	0.132	0.104	0.13
Phenol index	mg/l	18	< 0.0025	0.00281	0.008	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.67	5.975	8.28		
Potassium (K+)	mg/l	16	1	2.1875	3	2.00	3.00
Silicates(SiO2), dissolved	mg/l	18	2	3.1	5.7	3.10	4.50
Sodium (Na+)	mg/l	16	12	17.5	30	15.00	23.00

River: Danube **Catchment:** 570896 km² **2012**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO ₄ ⁻⁻)	mg/l	18	25.16	32.72667	37.07	33.18	37.06
Suspended solids	mg/l	18	29	35.16667	59	34.00	36.00
TOC	mg/l	12	1.001	2.58742	4.949	1.808	4.737
Temperature	°C	18	1	15.31111	28	15.50	24.50
Total nitrogen	mg/l	13	1.06	1.63154	3.19	1.34	2.52
Total phosphorus	mg/l	18	0.051	0.12972	0.172	0.147	0.17
Zinc (Zn)	µg/l	10	26.5	42.5924	56.2	56.20	56.20
Zinc (Zn), dissolved	µg/l	10	18.7	28.91	44	44.00	44.00
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	18	7.68	7.88	8.12	7.87	7.72

River:	Danube	Catchment:			570896 km2	2012	
Distance from mouth:	1071	Altitude:			70 m	RO1	
Location:	Right						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	18	2.42	2.79222	3.56	2.80	3.29
Ammonium (NH4-N)	mg/l	18	< 0.0125	0.12184	0.97	0.071	0.193
Anionic active surfactants	mg/l	18	0.1	0.15161	0.24	0.125	0.232
Arsenic (As)	µg/l	10	< 0.5	1.0329	2.225	2.225	2.225
Arsenic (As), dissolved	µg/l	18	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	10	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	18	1.2	2.135	3.67	2.20	3.19
COD (Cr)	mg/l	18	8.9	11.67667	15.03	11.78	14.88
COD (Mn)	mg/l	18	1.92	2.81389	4.39	2.67	3.76
Cadmium (Cd)	µg/l	10	< 0.075	0.1326	0.651	0.651	0.651
Cadmium (Cd), dissolved	µg/l	10	< 0.075	0.0831	0.156	0.156	0.156
Calcium (Ca++)	mg/l	18	28.56	43.33833	57.42	42.85	54.23
Chloride (Cl-)	mg/l	18	12.22	17.12611	25.84	17.37	24.01
Chromium (Cr) - total	µg/l	10	< 0.5	1.0111	1.531	1.531	1.531
Chromium (Cr), total	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	18	312	379.77778	488	379.00	452.00
Copper (Cu)	µg/l	10	1.013	3.0804	4.255	4.255	4.255
Copper (Cu), dissolved	µg/l	10	< 0.5	1.7443	2.937	2.937	2.937
Dissolved oxygen	mg/l	18	6.2	9.10333	12.77	8.80	6.63
Flow	m3/s	366	2100	4397.3770	7080	4200.00	6250.00
Iron (Fe)	mg/l	1	0.152	0.152	0.152		
Lead (Pb)	µg/l	10	< 0.15	1.7616	3.23	3.23	3.23
Lead (Pb), dissolved	µg/l	10	< 0.15	0.6112	1.469	1.469	1.469
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	18	9.7	14.11889	22.31	14.55	20.37
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	10	< 0.0075	0.04543	0.219	0.219	0.219
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.01483	0.055	0.055	0.055
Nickel (Ni)	µg/l	9	< 0.5	1.80456	2.256	2.256	2.256
Nickel (Ni), dissolved	µg/l	9	< 0.5	1.66667	2	2.00	2.00
Nitrate (NO3-N)	mg/l	18	0.54	0.99318	2.22	0.88	1.83
Nitrite (NO2-N)	mg/l	18	0.0078	0.02362	0.09	0.014	0.066
Orthophosphate (PO4-P)	mg/l	18	0.01	0.09017	0.148	0.10	0.144
Phenol index	mg/l	18	< 0.0025	0.00281	0.008	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.9	5.635	7.37		
Potassium (K+)	mg/l	15	1	2.46667	3	3.00	3.00
Silicates(SiO2), dissolved	mg/l	18	1.9	3.22778	5.6	3.10	5.10
Sodium (Na+)	mg/l	15	12	17.73333	29	16.00	23.00

River: Danube **Catchment:** 570896 km² **2012**
Distance from mouth: 1071 **Altitude:** 70 m **RO1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO ₄ ⁻⁻)	mg/l	18	26.86	32.38944	37.07	33.81	35.95
Suspended solids	mg/l	18	32	35.77778	50	35.00	37.00
TOC	mg/l	13	1.255	2.97654	5.293	2.415	4.675
Temperature	°C	18	1	15.35556	28	16.00	24.70
Total nitrogen	mg/l	14	1	1.56	3.19	1.40	2.52
Total phosphorus	mg/l	18	0.061	0.14544	0.226	0.152	0.19
Zinc (Zn)	µg/l	10	27.6	42.49	54.7	54.70	54.70
Zinc (Zn), dissolved	µg/l	10	18.9	25.65	40	40.00	40.00
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	18	7.61	7.85056	8.12	7.87	7.62

River:	Siret	Catchment:			42890 km²	2012	
Distance from mouth:	0	Altitude:			4 m	RO10	
Location:	Middle						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	6	3.4	3.605	3.98	3.98	3.98
Ammonium (NH ₄ -N)	mg/l	26	0.03978	0.27729	0.83772	0.2223	0.7917
Anionic active surfactants	mg/l	5	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	5	1.6	1.7	1.8	1.80	1.80
Arsenic (As), dissolved	µg/l	26	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	13	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	26	< 0.25	2.32154	11.96	1.45	3.10
COD (Cr)	mg/l	12	21.33	32.515	74.78	29.01	47.00
COD (Mn)	mg/l	11	2.64	5.53455	14.25	4.04	11.85
Cadmium (Cd)	µg/l	5	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	43.6	60.06583	80.93	51.58	77.07
Chloride (Cl ⁻)	mg/l	12	43.33	76.1625	112.8	72.20	98.35
Chromium (Cr) - total	µg/l	5	1.9	2.96	3.5	3.50	3.50
Chromium (Cr), total	µg/l	12	1.2	2.11667	2.7	2.10	2.70
Conductivity	µS/cm	14	518	768.35714	1429	760.00	896.00
Copper (Cu)	µg/l	5	1.8	2.68	3.5	3.50	3.50
Copper (Cu), dissolved	µg/l	12	1.5	2.39167	3.5	2.40	3.20
Dissolved oxygen	mg/l	26	6.35	9.25346	13.28	8.57	7.28
Flow	m ³ /s	366	27.18	130.25549	1094.13	82.33	279.32
Iron (Fe)	mg/l	2	0.29	0.325	0.36		
Lead (Pb)	µg/l	5	1.9	2.26	2.9	2.90	2.90
Lead (Pb), dissolved	µg/l	12	0.75	1.30833	2.2	0.75	1.90
Lindane (gama-HCH)	µg/l	13	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.29	2.29	2.29		
Magnesium (Mg ⁺⁺)	mg/l	12	11.6	21.48417	39.64	21.60	25.78
Mercury (Hg)	µg/l	2	0.0347	0.04235	0.05		
Mercury (Hg), dissolved	µg/l	11	< 0.0075	0.03987	0.05	0.05	0.05
Nickel (Ni)	µg/l	5	< 0.5	1.02	1.9	1.90	1.90
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	26	0.6662	1.73841	2.9769	1.8781	2.2975
Nitrite (NO ₂ -N)	mg/l	26	< 0.0015	0.02136	0.06688	0.0192	0.042
Orthophosphate (PO ₄ -P)	mg/l	26	< 0.0035	0.05778	0.2924	0.0365	0.1092
Phenol index	mg/l	5	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	6.05	8.335	10.62		
Potassium (K ⁺)	mg/l	5	2.4	3.08	3.6	3.60	3.60
Silicates(SiO ₂), dissolved	mg/l	6	1.6	1.995	2.35	2.35	2.35
Sodium (Na ⁺)	mg/l	5	21	22.54	25.2	25.20	25.20

River: Siret **Catchment:** 42890 km2 **2012**
Distance from mouth: 0 **Altitude:** 4 m **RO10**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	6	46.51	75.95333	125	125.00	125.00
Suspended solids	mg/l	24	11	161.41667	875	32.00	687.00
Temperature	°C	26	1.4	15.09808	29	16.50	28.00
Total nitrogen	mg/l	26	0.896	2.21165	3.71	2.44	3.22
Total phosphorus	mg/l	26	0.011	0.07444	0.333	0.051	0.136
Zinc (Zn)	µg/l	5	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	12	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	13	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	14	7.76	8.06786	8.27	8.07	7.83

River: Prut **Catchment:** 27480 km2 **2012**
Distance from mouth: 0 **Altitude:** 5 m **RO11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	6	3.45	3.73333	4.08	4.08	4.08
Ammonium (NH4-N)	mg/l	26	0.02886	0.18633	0.51636	0.1505	0.3838
Anionic active surfactants	mg/l	5	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	5	1.2	1.46	1.7	1.70	1.70
Arsenic (As), dissolved	µg/l	26	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	26	< 0.25	1.85846	7	1.56	2.59
COD (Cr)	mg/l	12	19.68	26.30083	31.03	25.58	29.37
COD (Mn)	mg/l	11	2.79	4.33455	7.4	3.66	5.58
Cadmium (Cd)	µg/l	5	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	39.6	60.8975	83.6	55.50	73.22
Chloride (Cl-)	mg/l	12	28.19	43.17667	58.46	39.89	55.02
Chromium (Cr) - total	µg/l	5	1.3	1.8	2.5	2.50	2.50
Chromium (Cr), total	µg/l	12	1.1	1.49167	2.5	1.40	1.80
Conductivity	µS/cm	14	429	687.85714	941	748.00	919.00
Copper (Cu)	µg/l	5	1.4	1.92	2.6	2.60	2.60
Copper (Cu), dissolved	µg/l	12	1.1	1.70833	2.2	1.50	2.20
Dissolved oxygen	mg/l	26	4.06	8.84923	13.4	8.83	6.34
Flow	m3/s	366	14.16	45.98079	107.97	38.34	77.29
Iron (Fe)	mg/l	2	0.26	0.285	0.31		
Lead (Pb)	µg/l	5	0.75	1.58	2.5	2.50	2.50
Lead (Pb), dissolved	µg/l	12	0.75	0.94167	2	0.75	1.80
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.13	2.315	2.5		
Magnesium (Mg++)	mg/l	12	7.1	16.55833	35.02	12.20	25.78
Mercury (Hg)	µg/l	2	0.038	0.044	0.05		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.04879	0.168	0.05	0.05
Nickel (Ni)	µg/l	5	< 0.5	< 0.5	< 0.5	0.50	0.50
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	26	0.6823	1.45073	2.0677	1.5583	1.8281
Nitrite (NO2-N)	mg/l	26	0.0079	0.02072	0.0581	0.0201	0.028
Orthophosphate (PO4-P)	mg/l	26	0.01304	0.07172	0.2536	0.0626	0.1099
Phenol index	mg/l	5	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	10.52	11.16	11.8		
Potassium (K+)	mg/l	5	2.5	3.04	3.8	3.80	3.80
Silicates (SiO2)	mg/l	2	1.71	1.84	1.97		
Silicates(SiO2), dissolved	mg/l	21	1.02	1.87	2.78	1.71	2.47

River: Prut **Catchment:** 27480 km2 **2012**
Distance from mouth: 0 **Altitude:** 5 m **RO11**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	5	18.5	21.56	26.9	26.90	26.90
Sulphate (SO4--)	mg/l	6	56.1	93.415	136.7	136.70	136.70
Suspended solids	mg/l	26	4	62.65385	124	65.00	108.00
Temperature	°C	26	1.2	15.74731	30	17.20	27.00
Total nitrogen	mg/l	24	1.02	1.81683	2.47	1.86	2.44
Total phosphorus	mg/l	26	0.043	0.10038	0.328	0.09	0.174
Zinc (Zn)	µg/l	5	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	12	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	15	7.25	7.984	8.31	8.06	7.59

River: **Somes** **Catchment:** **15780 km2** **2012**
Distance from mouth: **3** **Altitude:** **118 m** **RO12**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	5	2.04	2.472	2.92	2.92	2.92
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.37067	1.05	0.317	0.84
Arsenic (As)	µg/l	7	1.26	1.83	2.65	2.65	2.65
Arsenic (As), dissolved	µg/l	11	< 0.5	0.84727	1.86	0.50	1.50
Atrazine	µg/l	3	< 0.0175	< 0.0175	<0.0175		
BOD (5)	mg/l	12	1.5	3.47583	5.4	3.30	4.60
COD (Cr)	mg/l	26	4	16.53462	69.1	4.00	44.50
COD (Mn)	mg/l	13	3	5.38462	10.3	4.90	8.80
Cadmium (Cd)	µg/l	7	< 0.075	0.13571	0.22	0.22	0.22
Cadmium (Cd), dissolved	µg/l	5	< 0.075	0.108	0.24	0.24	0.24
Calcium (Ca++)	mg/l	6	43.34	64.635	96.79	96.79	96.79
Chloride (Cl-)	mg/l	8	20.15	102.16375	199.61	199.61	199.61
Chromium (Cr) - total	µg/l	7	< 0.5	0.70143	1.37	1.37	1.37
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	382	667.25	998	674.00	989.00
Copper (Cu)	µg/l	7	1.27	2.83714	4.63	4.63	4.63
Copper (Cu), dissolved	µg/l	6	< 0.5	11.04167	56.92	56.92	56.92
Dissolved oxygen	mg/l	13	6.6	10.68462	14.5	11.70	7.20
Iron (Fe)	mg/l	7	< 0.015	0.461	0.656	0.656	0.656
Lead (Pb)	µg/l	7	< 0.15	1.22857	1.93	1.93	1.93
Lead (Pb), dissolved	µg/l	11	< 0.15	0.51727	1.66	0.31	1.18
Lindane (gama-HCH)	µg/l	3	< 0.00425	< 0.00425	<0.00425		
Macrozoobenthos sapr. index	-	2	2.328	2.329	2.33		
Magnesium (Mg++)	mg/l	6	3.81	16.37667	29.36	29.36	29.36
Manganese (Mn)	mg/l	7	< 0.015	2.02557	4.962	4.962	4.962
Mercury (Hg)	µg/l	7	0.02	0.02	0.02	0.02	0.02
Mercury (Hg), dissolved	µg/l	10	< 0.0075	0.01825	0.02	0.02	0.02
Nickel (Ni)	µg/l	7	1.25	3.18714	6.69	6.69	6.69
Nickel (Ni), dissolved	µg/l	11	< 0.5	1.94455	5.15	1.77	2.73
Nitrate (NO3-N)	mg/l	26	0.214	0.66665	1.131	0.719	0.974
Nitrite (NO2-N)	mg/l	26	0.008	0.025	0.081	0.02	0.044
Orthophosphate (PO4-P)	mg/l	26	< 0.0035	0.0346	0.486	0.015	0.039
Petroleum hydrocarbons	mg/l	12	0.2	0.2	0.2	0.20	0.20
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	2.4	33.575	138	9.50	74.60
Potassium (K+)	mg/l	9	2.57	3.77878	6.17	6.17	6.17
Silicates(SiO2), dissolved	mg/l	12	1.2	2.813	6.02	2.423	3.709
Sodium (Na+)	mg/l	9	20.92	42.20222	80.7	80.70	80.70
Sulphate (SO4--)	mg/l	6	31.9	44.9	83.7	83.70	83.70

River: **Somes** **Catchment:** **15780 km2** **2012**
Distance from mouth: **3** **Altitude:** **118 m** **RO12**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	26	6.4	49.67692	361	21.00	104.40
Temperature	°C	26	1	8.14231	23	4.00	19.50
Total nitrogen	mg/l	26	4	4	4	4.00	4.00
Total phosphorus	mg/l	26	0.012	0.13038	0.66	0.084	0.285
Zinc (Zn)	µg/l	7	2.94	110.95714	225.38	225.38	225.38
Zinc (Zn), dissolved	µg/l	5	1.64	92.51	202.94	202.94	202.94
p,p'-DDT	µg/l	3	< 0.0025	< 0.0025	< 0.0025		
pH	-	13	7.31	7.71615	8.11	7.70	7.41

River: Crisul Repede **Catchment:** 2413 km² **2012**
Distance from mouth: 3 **Altitude:** 116 m **RO13**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.4	2.15833	2.8	2.20	2.60
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.12625	0.43	0.062	0.216
Arsenic (As), dissolved	µg/l	12	1	1.225	2	1.00	1.70
Atrazine	µg/l	12	< 0.0175	0.03379	0.213	0.0175	0.0175
BOD (5)	mg/l	12	0.5	2.13333	4	2.10	3.80
COD (Cr)	mg/l	12	5	8.75	16	5.00	15.00
COD (Mn)	mg/l	7	1.3	2.51429	3.5	3.50	3.50
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	24.5	41.60833	54.2	41.50	49.50
Chloride (Cl ⁻)	mg/l	12	5.8	13.41667	22.1	13.40	17.20
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	184	303	397	293.00	386.00
Copper (Cu), dissolved	µg/l	12	1	1.50833	2.7	1.40	2.00
Dissolved oxygen	mg/l	12	8.3	10.28333	15.1	9.60	8.30
Lead (Pb), dissolved	µg/l	12	1	1	1	1.00	1.00
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.11	2.22	2.33		
Magnesium (Mg ⁺⁺)	mg/l	12	2.2	6.81667	9.4	7.40	9.20
Mercury (Hg)	µg/l	12	< 0.0075	0.01454	0.055	0.0075	0.03
Nickel (Ni), dissolved	µg/l	12	1.5	1.5	1.5	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	12	0.66	1.3575	2.63	1.22	2.04
Nitrite (NO ₂ -N)	mg/l	12	0.015	0.02975	0.07	0.023	0.043
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.02338	0.065	0.02	0.03
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	0.7	3.7	6.7		
Potassium (K ⁺)	mg/l	6	2.4	3.43333	4.2	4.20	4.20
Silicates(SiO ₂), dissolved	mg/l	12	1	2.01667	4.8	1.60	3.10
Sodium (Na ⁺)	mg/l	6	5.7	12.78333	19.5	19.50	19.50
Sulphate (SO ₄ ⁻⁻)	mg/l	6	14.9	32.55	47	47.00	47.00
Suspended solids	mg/l	12	4	15.08333	42	9.00	29.00
TOC	mg/l	8	2.22	2.615	3.37	3.37	3.37
Temperature	°C	12	1	12.28333	22	11.00	21.00
Total nitrogen	mg/l	12	1.02	1.8	2.84	1.79	2.33
Total phosphorus	mg/l	12	0.023	0.049	0.108	0.037	0.082
Zinc (Zn), dissolved	µg/l	12	10	10	10	10.00	10.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
pH	-	12	7.75	7.95167	8.18	8.02	7.75

River: Crisul Negru **Catchment:** 3750 km² **2012**
Distance from mouth: 13 **Altitude:** 86 m **RO14**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.8	2.74167	3.1	2.90	3.10
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.02858	0.079	0.0125	0.051
Arsenic (As), dissolved	µg/l	12	< 0.5	1.19167	2.3	1.00	2.10
Atrazine	µg/l	12	< 0.0175	0.03613	0.241	0.0175	0.0175
BOD (5)	mg/l	12	1	1.89167	3.1	1.70	2.80
COD (Cr)	mg/l	12	5	6.5	12	5.00	11.00
COD (Mn)	mg/l	7	1.1	2.31429	3.5	3.50	3.50
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.1875	0.75	0.075	0.75
Calcium (Ca ⁺⁺)	mg/l	12	29.6	45.83333	66.9	42.80	50.30
Chloride (Cl ⁻)	mg/l	12	< 2.5	8.19167	12.3	8.60	11.20
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	180	308.5	352	329.00	350.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.80833	6.9	1.60	2.10
Dissolved oxygen	mg/l	12	7.2	10.70833	13.8	10.10	8.40
Lead (Pb), dissolved	µg/l	12	1	1.025	1.3	1.00	1.00
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	1.99	2.075	2.16		
Magnesium (Mg ⁺⁺)	mg/l	12	4	9.425	14.8	9.00	12.50
Mercury (Hg)	µg/l	12	< 0.0075	0.01288	0.042	0.0075	0.029
Nickel (Ni), dissolved	µg/l	12	1.5	1.5	1.5	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	12	0.045	0.47208	1.04	0.43	0.79
Nitrite (NO ₂ -N)	mg/l	12	< 0.0015	0.00896	0.029	0.008	0.017
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.01613	0.052	0.012	0.023
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	0.6	0.9	1.2		
Potassium (K ⁺)	mg/l	6	2	2.53333	3.1	3.10	3.10
Silicates(SiO ₂), dissolved	mg/l	11	1	1.62727	2.8	1.50	2.50
Sodium (Na ⁺)	mg/l	6	3	8.28333	12.8	12.80	12.80
Sulphate (SO ₄ ⁻⁻)	mg/l	6	11.5	18.83333	24.6	24.60	24.60
Suspended solids	mg/l	12	4	33.41667	199	7.00	83.00
TOC	mg/l	8	1.92	2.34625	2.99	2.99	2.99
Temperature	°C	12	1	12.71667	24	10.00	23.00
Total nitrogen	mg/l	11	0.5	0.79909	1.25	0.91	0.99
Total phosphorus	mg/l	12	0.018	0.03625	0.11	0.024	0.069
Zinc (Zn), dissolved	µg/l	12	10	13.5	50	10.00	12.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.49	7.90333	8.34	7.90	7.66

River: Crisul Alb **Catchment:** 4240 km² **2012**
Distance from mouth: 0 **Altitude:** 89 m **RO15**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.2	2.69167	3.9	2.80	3.50
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.08921	0.385	0.065	0.135
Arsenic (As), dissolved	µg/l	12	1	2.39167	5.9	1.50	4.70
Atrazine	µg/l	12	< 0.0175	0.05992	0.466	0.0175	0.078
BOD (5)	mg/l	11	1	2.01818	4.6	1.80	3.30
COD (Cr)	mg/l	12	5	13.33333	25	12.00	21.00
COD (Mn)	mg/l	10	2	3.75	8.3	8.30	8.30
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	26.6	46.175	62.7	47.00	54.20
Chloride (Cl ⁻)	mg/l	12	6	13.25833	25.9	12.20	19.40
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	182	379.33333	550	379.00	495.00
Copper (Cu), dissolved	µg/l	12	1.4	2.5	4.4	2.20	3.40
Dissolved oxygen	mg/l	12	6.8	10.01667	13.9	9.50	7.50
Lead (Pb), dissolved	µg/l	12	1	1.00833	1.1	1.00	1.00
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.05	2.155	2.26		
Magnesium (Mg ⁺⁺)	mg/l	12	4.6	11.75833	19.9	10.80	18.70
Mercury (Hg)	µg/l	12	< 0.0075	0.01725	0.074	0.0075	0.039
Nickel (Ni), dissolved	µg/l	12	1.5	1.5	1.5	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	12	0.15	0.51167	1.06	0.49	0.71
Nitrite (NO ₂ -N)	mg/l	12	0.004	0.0115	0.017	0.01	0.017
Orthophosphate (PO ₄ -P)	mg/l	12	0.009	0.03258	0.057	0.028	0.053
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.5	1.55	1.6		
Potassium (K ⁺)	mg/l	6	1.2	2.91667	4.1	4.10	4.10
Silicates(SiO ₂), dissolved	mg/l	12	2.1	3.35	5.6	2.90	4.30
Sodium (Na ⁺)	mg/l	6	8	14.78333	25	25.00	25.00
Sulphate (SO ₄ ⁻⁻)	mg/l	6	32.4	45.75	56.7	56.70	56.70
Suspended solids	mg/l	12	5	50.16667	282	11.00	213.00
TOC	mg/l	8	2.51	3.48375	5.03	5.03	5.03
Temperature	°C	12	1	12.55833	24	11.00	24.00
Total nitrogen	mg/l	12	0.5	0.93	1.51	0.95	1.31
Total phosphorus	mg/l	12	0.022	0.05808	0.104	0.06	0.097
Zinc (Zn), dissolved	µg/l	12	10	12.41667	38	10.00	11.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.7	7.92667	8.15	7.97	7.70

River: Mures
Distance from mouth: 21
Location: Middle
Catchment: 27818 km²
Altitude: 86 m
2012
RO16

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	7	1.7	2.16	2.6	2.60	2.60
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.10192	0.4	0.03	0.261
Anionic active surfactants	mg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	2	< 0.0175	< 0.0175	< 0.0175		
BOD (5)	mg/l	12	2	3.15917	4.84	2.57	4.80
COD (Cr)	mg/l	12	4	11.35	22.7	10.90	16.00
COD (Mn)	mg/l	11	3.21	4.61636	6.91	4.61	5.64
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.12392	0.315	0.075	0.205
Calcium (Ca ⁺⁺)	mg/l	6	39	50.51667	63.8	63.80	63.80
Chloride (Cl ⁻)	mg/l	6	29.5	49.95	95.3	95.30	95.30
Chromium (Cr), total	µg/l	12	< 0.5	3.0925	5.86	2.78	5.57
Conductivity	µS/cm	8	377	520.75	684	684.00	684.00
Copper (Cu), dissolved	µg/l	12	2.75	6.6975	14.6	5.82	11.20
Dissolved oxygen	mg/l	12	7.6	10.48167	13.33	10.08	8.12
Lead (Pb), dissolved	µg/l	12	< 0.15	1.85592	5.23	1.06	4.62
Lindane (gamma-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	0.6226	0.6688	0.715		
Magnesium (Mg ⁺⁺)	mg/l	6	5.88	8.76	11.94	11.94	11.94
Mercury (Hg)	µg/l	1	0.3	0.3	0.3		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.03188	0.3	0.0075	0.0075
Nickel (Ni), dissolved	µg/l	12	< 0.5	4.62833	11.7	1.69	9.65
Nitrate (NO ₃ -N)	mg/l	12	0.04	0.81008	1.77	0.747	1.55
Nitrite (NO ₂ -N)	mg/l	12	0.003	0.01317	0.032	0.009	0.026
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.02729	0.119	0.015	0.039
Petroleum hydrocarbons	mg/l	11	< 0.0625	0.14205	0.5	0.0625	0.50
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	6.28	33.50909	70.45	27.47	67.49
Potassium (K ⁺)	mg/l	6	4.03	4.785	5.81	5.81	5.81
Silicates(SiO ₂), dissolved	mg/l	12	6.82	8.58	10.4	8.25	10.40
Sodium (Na ⁺)	mg/l	6	37.2	48.41667	65.6	65.60	65.60
Sulphate (SO ₄ ⁻⁻)	mg/l	6	48.6	73.625	87.4	87.40	87.40
Suspended solids	mg/l	12	8.6	22.25	86.4	12.80	37.60
Temperature	°C	12	0.3	13.48333	25	11.50	25.00
Total nitrogen	mg/l	12	0.658	1.533	2.98	1.25	2.34
Total phosphorus	mg/l	12	0.019	0.083	0.328	0.06	0.141
Zinc (Zn), dissolved	µg/l	11	< 0.5	2.22727	10	0.50	10.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025

River: Mures **Catchment:** 27818 km2 **2012**
Distance from mouth: 21 **Altitude:** 86 m **RO16**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	12	7.81	8.08667	8.35	8.03	7.94

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.4	1.74917	2.38	1.69	2.06
Ammonium (NH ₄ -N)	mg/l	12	0.039	0.11233	0.213	0.093	0.158
Anionic active surfactants	mg/l	12	< 0.05	0.05425	0.101	0.05	0.05
Arsenic (As)	µg/l	6	1.7	1.7	1.7	1.70	1.70
Arsenic (As), dissolved	µg/l	6	1.7	1.7	1.7	1.70	1.70
Atrazine	µg/l	12	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.55	2.4725	3.98	2.44	3.33
COD (Cr)	mg/l	12	7.95	15.06833	27.94	13.44	21.42
COD (Mn)	mg/l	12	2.47	4.1625	5.93	3.75	5.55
Cadmium (Cd)	µg/l	4	< 0.075	0.97375	1.9	1.90	1.90
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.8375	3.14	0.30	1.70
Calcium (Ca ⁺⁺)	mg/l	12	21.16	29.82167	36.13	30.16	34.09
Chloride (Cl ⁻)	mg/l	12	12.77	18.41333	27.51	17.02	25.24
Chromium (Cr), total	µg/l	12	2.5	3.95833	8	2.50	7.40
Conductivity	µS/cm	12	220	282.08333	365	267.00	359.00
Copper (Cu), dissolved	µg/l	12	< 0.5	5.86583	20	2.49	15.40
Dissolved oxygen	mg/l	12	6.4	9.5275	14.14	8.59	7.28
Lead (Pb)	µg/l	4	2.52	9.13	14	14.00	14.00
Lead (Pb), dissolved	µg/l	12	2.13	5.51833	17.53	3.10	13.00
Lindane (gamma-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.34	2.755	3.17		
Magnesium (Mg ⁺⁺)	mg/l	12	5.63	8.3925	10.78	7.90	10.30
Mercury (Hg)	µg/l	3	0.8	0.8	0.8		
Mercury (Hg), dissolved	µg/l	12	0.8	0.8	0.8	0.80	0.80
Nickel (Ni)	µg/l	4	4	6.35	11	11.00	11.00
Nickel (Ni), dissolved	µg/l	12	4	7.04417	35.63	4.00	7.10
Nitrate (NO ₃ -N)	mg/l	12	0.795	1.22692	1.745	1.066	1.72
Nitrite (NO ₂ -N)	mg/l	12	0.011	0.0375	0.116	0.026	0.066
Orthophosphate (PO ₄ -P)	mg/l	12	0.018	0.17883	0.343	0.163	0.278
Phenol index	mg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.18	7.69	14.2		
Potassium (K ⁺)	mg/l	12	2	2.91667	4	3.00	4.00
Sodium (Na ⁺)	mg/l	12	10	15.75	20	16.00	19.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	16.16	21.18667	27.88	20.57	26.53
Suspended solids	mg/l	12	3	12.5	20	14.00	19.00
Temperature	°C	12	1	13.66667	27	11.00	27.00
Total nitrogen	mg/l	12	3	3.06	3.36	3.00	3.36
Total phosphorus	mg/l	12	0.024	0.24367	0.481	0.207	0.456

River: Bega **Catchment:** 2632 km2 **2012**
Distance from mouth: 7 **Altitude:** 46 m **RO17**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	50	52.31667	68.8	50.00	59.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.1	7.525	8.1	7.50	7.20

River: Danube
Distance from mouth: 851
Location: Left

Catchment: 577085 km²
Altitude: 32 m

2012
RO18

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.46	2.85917	3.31	2.88	3.29
Ammonium (NH ₄ -N)	mg/l	12	0.0319	0.09163	0.272	0.0544	0.165
Anionic active surfactants	mg/l	12	0.1	0.14725	0.255	0.11	0.23
Arsenic (As)	µg/l	12	< 0.5	0.95283	1.609	1.072	1.351
Arsenic (As), dissolved	µg/l	12	< 0.5	0.55175	1.121	0.50	0.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.12	2.02083	3.22	2.08	2.45
COD (Cr)	mg/l	12	9.46	11.49917	18.79	10.85	12.68
COD (Mn)	mg/l	12	1.63	2.50917	3.84	2.49	2.89
Cadmium (Cd)	µg/l	12	< 0.075	0.08308	0.172	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	36.5	47.46	59.02	41.47	57.42
Chloride (Cl ⁻)	mg/l	12	13.2	17.80583	23.74	16.41	22.48
Chromium (Cr) - total	µg/l	12	< 0.5	0.98375	1.702	1.012	1.43
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	326	385	468	370.00	465.00
Copper (Cu)	µg/l	12	2.463	3.508	4.262	3.50	4.128
Copper (Cu), dissolved	µg/l	12	1.203	2.09767	3.308	2.015	2.971
Dissolved oxygen	mg/l	12	6.41	8.895	12.51	8.88	6.80
Iron (Fe)	mg/l	1	0.113	0.113	0.113		
Lead (Pb)	µg/l	12	< 0.15	1.8015	5.3	1.75	2.351
Lead (Pb), dissolved	µg/l	12	< 0.15	0.66642	1.584	0.15	1.123
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.242	2.265	2.288		
Magnesium (Mg ⁺⁺)	mg/l	12	7.76	13.3375	20.37	13.58	15.52
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.03848	0.0829	0.028	0.0691
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00952	0.024	0.0075	0.0152
Nickel (Ni)	µg/l	12	1.425	1.91642	2.053	2.00	2.007
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.75	2	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	12	0.145	1.05258	1.853	0.994	1.796
Nitrite (NO ₂ -N)	mg/l	12	0.008	0.02958	0.152	0.016	0.045
Orthophosphate (PO ₄ -P)	mg/l	12	0.027	0.08125	0.144	0.071	0.127
Phenol index	mg/l	12	< 0.0025	0.00296	0.008	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.48	4.14	5.8		
Potassium (K ⁺)	mg/l	12	1	1.91667	3	2.00	3.00
Silicates(SiO ₂), dissolved	mg/l	12	1	3.225	5.6	3.20	5.50
Sodium (Na ⁺)	mg/l	12	12	17.16667	22	19.00	21.00

River: Danube **Catchment:** 577085 km² **2012**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO ₄ ⁻⁻)	mg/l	12	17.35	34.39	45.03	34.82	41.09
Suspended solids	mg/l	12	32	35.83333	38	36.00	37.00
TOC	mg/l	12	1.614	3.04883	5.326	2.195	5.294
Temperature	°C	12	1.5	13.25	26.2	12.70	25.00
Total nitrogen	mg/l	12	1.18	1.72333	2.69	1.48	2.58
Total phosphorus	mg/l	12	0.087	0.14658	0.247	0.137	0.192
Zinc (Zn)	µg/l	12	16.1	37.40833	52.3	35.20	51.20
Zinc (Zn), dissolved	µg/l	12	14	25.16667	41.4	22.10	40.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.63	7.81083	7.99	7.79	7.63

River: Danube **Catchment:** 577085 km2 **2012**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.38	2.81417	3.25	2.86	3.21
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.07139	0.264	0.0427	0.153
Anionic active surfactants	mg/l	12	< 0.05	0.133	0.22	0.118	0.205
Arsenic (As)	µg/l	12	< 0.5	0.8425	1.704	0.50	1.42
Arsenic (As), dissolved	µg/l	12	< 0.5	0.55175	1.121	0.50	0.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	1.06	1.85833	2.7	1.90	2.11
COD (Cr)	mg/l	12	8.06	10.36417	15.03	9.92	11.78
COD (Mn)	mg/l	12	1.6	2.225	3.2	2.17	2.87
Cadmium (Cd)	µg/l	12	< 0.075	0.08383	0.181	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	33.33	44.66333	55.05	41.47	54.23
Chloride (Cl ⁻)	mg/l	12	12.5	17.5325	23.99	15.98	22.10
Chromium (Cr) - total	µg/l	12	< 0.5	0.99608	1.812	1.072	1.512
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	327	382.91667	466	368.00	457.00
Copper (Cu)	µg/l	12	2.54	3.45067	4.581	3.31	4.225
Copper (Cu), dissolved	µg/l	12	1.007	1.90317	2.85	1.673	2.792
Dissolved oxygen	mg/l	12	6.55	8.82833	12.76	7.93	6.83
Iron (Fe)	mg/l	1	0.105	0.105	0.105		
Lead (Pb)	µg/l	12	< 0.15	1.42542	2.456	1.63	2.42
Lead (Pb), dissolved	µg/l	12	< 0.15	0.58233	1.281	0.15	1.215
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	12	8.73	12.8525	16.49	12.61	15.52
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.04002	0.129	0.03	0.065
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01538	0.059	0.0075	0.043
Nickel (Ni)	µg/l	12	1.603	1.95492	2.251	2.00	2.00
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.75	2	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	12	0.023	0.96973	1.837	0.86	1.419
Nitrite (NO ₂ -N)	mg/l	12	0.009	0.0183	0.033	0.0165	0.024
Orthophosphate (PO ₄ -P)	mg/l	12	0.026	0.07417	0.147	0.056	0.131
Phenol index	mg/l	12	< 0.0025	0.00296	0.008	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.19	3.605	4.02		
Potassium (K ⁺)	mg/l	12	1	2.16667	3	2.00	3.00
Silicates(SiO ₂), dissolved	mg/l	12	1	3.25	5.3	3.30	5.20
Sodium (Na ⁺)	mg/l	12	12	17.58333	23	18.00	22.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	24.18	32.03167	40.91	33.02	38.20

River: Danube **Catchment:** 577085 km2 **2012**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	30	33.83333	37	34.00	35.00
TOC	mg/l	12	1.495	2.90383	5.139	2.009	5.002
Temperature	°C	13	1.5	13.22077	26.5	13.10	25.20
Total nitrogen	mg/l	11	1	1.61255	2.63	1.40	2.46
Total phosphorus	mg/l	12	0.066	0.12642	0.204	0.12	0.171
Zinc (Zn)	µg/l	12	21.2	40.83042	68.565	39.10	52.90
Zinc (Zn), dissolved	µg/l	12	14	26.46667	40.7	24.70	40.00
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.52	7.75833	7.99	7.74	7.55

River: Danube **Catchment:** 577085 km2 **2012**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.42	2.8225	3.27	2.88	3.25
Ammonium (NH4-N)	mg/l	12	0.04	0.07594	0.175	0.059	0.145
Anionic active surfactants	mg/l	12	0.1	0.15375	0.24	0.122	0.225
Arsenic (As)	µg/l	12	< 0.5	0.94325	1.497	1.102	1.395
Arsenic (As), dissolved	µg/l	12	< 0.5	0.59517	1.14	0.50	1.002
Atrazine	µg/l	11	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	1.85667	2.89	2.00	2.36
COD (Cr)	mg/l	12	9.3	11.2125	17.53	10.54	12.08
COD (Mn)	mg/l	12	1.15	2.3925	3.5	2.31	3.26
Cadmium (Cd)	µg/l	12	< 0.075	0.08508	0.196	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	36.5	46.4425	58.81	42.85	55.83
Chloride (Cl-)	mg/l	12	12.85	17.62917	23.24	16.32	22.69
Chromium (Cr) - total	µg/l	12	< 0.5	1.15525	1.945	1.118	1.82
Chromium (Cr), total	µg/l	12	< 0.5	0.55125	1.115	0.50	0.50
Conductivity	µS/cm	12	327	384.41667	466	371.00	460.00
Copper (Cu)	µg/l	12	2.634	3.47567	4.302	3.501	4.128
Copper (Cu), dissolved	µg/l	12	1.114	2.09225	3.005	1.92	2.823
Dissolved oxygen	mg/l	12	6.32	8.77833	12.39	8.88	6.78
Iron (Fe)	mg/l	1	0.11	0.11	0.11		
Lead (Pb)	µg/l	12	1.021	1.6985	2.681	1.435	2.49
Lead (Pb), dissolved	µg/l	12	< 0.15	0.575	1.423	0.15	1.226
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Magnesium (Mg++)	mg/l	12	8.73	12.61	20.37	12.61	15.52
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.0333	0.077	0.022	0.0751
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00844	0.0188	0.0075	0.0075
Nickel (Ni)	µg/l	12	1.408	1.99292	2.756	2.00	2.053
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.75	2	2.00	2.00
Nitrate (NO3-N)	mg/l	12	0.637	1.15703	2.14	0.953	1.673
Nitrite (NO2-N)	mg/l	12	0.007	0.01789	0.033	0.018	0.023
Orthophosphate (PO4-P)	mg/l	12	0.037	0.09833	0.214	0.069	0.208
Phenol index	mg/l	12	< 0.0025	0.00296	0.008	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.24	2.24	2.24		
Potassium (K+)	mg/l	12	1	1.91667	3	2.00	3.00
Silicates(SiO2), dissolved	mg/l	12	1.2	3.56667	5.4	3.50	5.40
Sodium (Na+)	mg/l	12	13	17.66667	23	19.00	22.00
Sulphate (SO4--)	mg/l	12	24.91	33.925	46.34	33.13	38.63

River: Danube **Catchment:** 577085 km² **2012**
Distance from mouth: 851 **Altitude:** 32 m **RO18**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	31	34.5	37	34.00	36.00
Temperature	°C	13	1.5	12.9	26.3	13.20	25.30
Total nitrogen	mg/l	11	1.06	1.70727	3.02	1.51	2.40
Total phosphorus	mg/l	12	0.099	0.16708	0.291	0.165	0.233
Zinc (Zn)	µg/l	12	22.4	42.92517	87.402	37.20	54.70
Zinc (Zn), dissolved	µg/l	12	14	26.40058	45.207	23.40	39.20
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.35	7.73083	7.99	7.74	7.56

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.122	2.9545	3.83	2.928	3.383
Ammonium (NH ₄ -N)	mg/l	12	< 0.0125	0.05771	0.11	0.049	0.091
Anionic active surfactants	mg/l	12	< 0.05	0.06717	0.131	0.05	0.114
Arsenic (As)	µg/l	12	1	1.71667	3	1.70	2.10
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	2.4	3.95083	7	3.90	5.50
COD (Cr)	mg/l	12	13.7	17.21667	21.81	16.70	19.40
COD (Mn)	mg/l	12	2.94	4.99667	9.28	4.35	7.36
Cadmium (Cd)	µg/l	12	0.2	0.2	0.2	0.20	0.20
Cadmium (Cd), dissolved	µg/l	12	0.2	0.2	0.2	0.20	0.20
Calcium (Ca ⁺⁺)	mg/l	12	40.11	56.76417	72.39	56.53	66.41
Chloride (Cl ⁻)	mg/l	12	14.252	29.65567	46.284	29.143	40.919
Chromium (Cr) - total	µg/l	12	< 0.5	0.74167	1.6	0.50	1.20
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	306	424.5	541	401.00	511.00
Copper (Cu)	µg/l	12	1.7	3.75	9.2	2.10	7.40
Copper (Cu), dissolved	µg/l	11	< 0.5	1.39091	2	1.60	2.00
Dissolved oxygen	mg/l	12	7.42	9.12167	11.74	8.51	7.62
Lead (Pb)	µg/l	12	< 0.15	0.71	2.8	0.32	2.60
Lead (Pb), dissolved	µg/l	12	< 0.15	0.2425	0.51	0.15	0.30
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.026	2.06	2.094		
Magnesium (Mg ⁺⁺)	mg/l	12	6.68	10.1425	14.48	9.42	12.91
Nickel (Ni)	µg/l	12	1.3	10.31667	35	3.90	33.00
Nickel (Ni), dissolved	µg/l	12	1.1	7.35833	25	3.50	19.00
Nitrate (NO ₃ -N)	mg/l	12	0.675	1.93525	4.108	1.723	3.383
Nitrite (NO ₂ -N)	mg/l	12	0.006	0.02392	0.052	0.017	0.048
Orthophosphate (PO ₄ -P)	mg/l	12	0.029	0.07725	0.118	0.08	0.114
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	1.18	6.035	10.89		
Potassium (K ⁺)	mg/l	12	2.1	3.25	5.3	2.80	5.20
Sodium (Na ⁺)	mg/l	12	19.9	30.05	37.6	31.80	36.40
Sulphate (SO ₄ ⁻⁻)	mg/l	12	37.351	58.32408	78.912	56.106	75.515
Suspended solids	mg/l	12	7	41.46667	360	10.00	25.00
TOC	mg/l	8	< 0.5	1.09563	3.033	3.033	3.033
Temperature	°C	12	1.5	16.20833	28.5	16.00	28.00
Total nitrogen	mg/l	12	0.8795	2.44821	5.049	2.112	4.524

River: Jiu **Catchment:** 10046 km2 **2012**
Distance from mouth: 9 **Altitude:** 31 m **RO19**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.039	0.10583	0.163	0.11	0.158
Zinc (Zn)	µg/l	12	1.3	4.25	15	3.40	5.50
Zinc (Zn), dissolved	µg/l	12	< 0.5	2.225	5.1	1.60	4.50
p,p'-DDT	µg/l	12	< 0.0025	0.00279	0.006	0.0025	0.0025
pH	-	12	6.56	7.7225	8.35	7.80	7.31

River: Danube
Distance from mouth: 834
Location: Left
Catchment: 580100 km²
Altitude: 31 m
2012
RO2

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	23	2.34	2.83739	3.29	2.89	3.17
Ammonium (NH ₄ -N)	mg/l	24	< 0.0125	0.06333	0.168	0.054	0.117
Anionic active surfactants	mg/l	23	< 0.05	0.1433	0.25	0.125	0.212
Arsenic (As)	µg/l	12	< 0.5	0.92867	1.563	1.012	1.492
Arsenic (As), dissolved	µg/l	23	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	24	1.14	1.88292	2.77	2.01	2.54
COD (Cr)	mg/l	23	9.3	10.99478	15.66	10.91	12.24
COD (Mn)	mg/l	23	1.56	2.48304	4.39	2.44	3.52
Cadmium (Cd)	µg/l	12	< 0.075	0.08283	0.169	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	23	36.5	47.48391	59.02	46.95	56.67
Chloride (Cl ⁻)	mg/l	23	11.17	17.09348	22.48	17.37	21.65
Chromium (Cr) - total	µg/l	12	< 0.5	0.92775	1.712	1.048	1.467
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	23	334	388.91304	486	389.00	451.00
Copper (Cu)	µg/l	12	1.962	3.32558	4.251	3.48	4.105
Copper (Cu), dissolved	µg/l	12	< 0.5	2.0575	3.329	2.02	2.931
Dissolved oxygen	mg/l	23	6.35	8.84435	12.66	8.35	6.66
Flow	m ³ /s	366	2319	4320.5601	7136	4061.00	6151.00
Iron (Fe)	mg/l	1	0.111	0.111	0.111		
Lead (Pb)	µg/l	12	< 0.15	1.66092	2.532	1.476	2.365
Lead (Pb), dissolved	µg/l	12	< 0.15	0.58758	1.44	0.15	1.259
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.386	2.386	2.386		
Magnesium (Mg ⁺⁺)	mg/l	23	7.76	12.10435	18.43	11.64	15.52
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.04797	0.219	0.0215	0.061
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.0159	0.055	0.0075	0.0358
Nickel (Ni)	µg/l	12	1.203	1.94992	2.5	2.00	2.179
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.67567	2	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	24	0.63	1.13964	1.825	1.028	1.785
Nitrite (NO ₂ -N)	mg/l	24	< 0.0015	0.01525	0.03	0.014	0.023
Orthophosphate (PO ₄ -P)	mg/l	24	0.026	0.07863	0.162	0.069	0.13
Phenol index	mg/l	22	< 0.0025	0.00309	0.01	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.36	3.25	4.14		
Potassium (K ⁺)	mg/l	20	1	1.9	3	2.00	2.00
Silicates(SiO ₂), dissolved	mg/l	24	1	3.76667	11.3	3.90	5.80

River: Danube **Catchment:** 580100 km2 **2012**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	20	12	15.75	22	14.00	21.00
Sulphate (SO4--)	mg/l	23	11.39	31.24565	43.39	33.14	35.99
Suspended solids	mg/l	24	31	35.25	37	35.00	37.00
TOC	mg/l	16	1.785	3.27719	5.282	2.663	5.161
Temperature	°C	24	1.2	15.29167	27	14.50	26.00
Total nitrogen	mg/l	23	1	1.64913	2.68	1.62	2.52
Total phosphorus	mg/l	24	0.1	0.14379	0.228	0.135	0.181
Zinc (Zn)	µg/l	12	31.5	42.4605	64.226	38.70	51.20
Zinc (Zn), dissolved	µg/l	12	19.2	27.36292	39.6	26.40	32.855
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	23	7.5	7.80391	8	7.85	7.54

River:
Distance from mouth:
Location:

Danube
834
Middle

Catchment:
Altitude:

580100 km²
31 m

2012
RO2

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	23	2.36	2.82652	3.77	2.88	3.19
Ammonium (NH ₄ -N)	mg/l	24	< 0.0125	0.05975	0.16	0.046	0.117
Anionic active surfactants	mg/l	23	< 0.05	0.12878	0.21	0.122	0.20
Arsenic (As)	µg/l	12	< 0.5	1.03292	1.732	1.103	1.382
Arsenic (As), dissolved	µg/l	23	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	10	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	24	< 0.25	1.67	2.43	1.80	2.11
COD (Cr)	mg/l	23	8.68	9.8787	12.24	9.92	10.61
COD (Mn)	mg/l	23	1.04	2.11652	4.07	2.18	2.61
Cadmium (Cd)	µg/l	12	< 0.075	0.2395	1.393	0.075	0.641
Cadmium (Cd), dissolved	µg/l	12	< 0.075	0.11675	0.501	0.075	0.15
Calcium (Ca ⁺⁺)	mg/l	23	35.09	47.76087	96.5	44.66	55.05
Chloride (Cl ⁻)	mg/l	23	11.11	16.52609	22.1	16.32	21.72
Chromium (Cr) - total	µg/l	12	< 0.5	1.09308	1.992	1.107	1.601
Chromium (Cr), total	µg/l	12	< 0.5	0.59275	1.107	0.50	1.006
Conductivity	µS/cm	23	332	382.78261	472	377.00	449.00
Copper (Cu)	µg/l	12	2.412	3.67908	4.265	3.82	4.215
Copper (Cu), dissolved	µg/l	12	1.18	2.25075	3.562	2.212	2.901
Dissolved oxygen	mg/l	23	5.97	8.68783	12.85	8.42	6.70
Flow	m ³ /s	366	2319	4320.5601	7136	4061.00	6151.00
Iron (Fe)	mg/l	1	0.105	0.105	0.105		
Lead (Pb)	µg/l	12	< 0.15	1.90958	3.012	1.835	2.609
Lead (Pb), dissolved	µg/l	12	< 0.15	0.53983	1.422	0.15	1.34
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	23	6.79	12.36826	19.4	11.64	15.52
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.04365	0.119	0.024	0.086
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01721	0.049	0.0075	0.034
Nickel (Ni)	µg/l	12	1.392	2.12217	2.702	2.007	2.652
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.75	2	2.00	2.00
Nitrate (NO ₃ -N)	mg/l	24	0.53	1.11641	1.97	0.9647	1.794
Nitrite (NO ₂ -N)	mg/l	24	0.0042	0.01685	0.034	0.016	0.025
Orthophosphate (PO ₄ -P)	mg/l	24	0.026	0.07625	0.15	0.069	0.13
Phenol index	mg/l	22	< 0.0025	0.00309	0.01	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.67	4.2	4.73		
Potassium (K ⁺)	mg/l	20	1	1.9	3	2.00	2.00
Silicates(SiO ₂), dissolved	mg/l	24	1.1	3.73333	12.2	3.50	5.40
Sodium (Na ⁺)	mg/l	20	11	15.75	23	14.00	21.00

River: Danube **Catchment:** 580100 km2 **2012**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	23	23.83	33.53478	49.04	33.19	38.26
Suspended solids	mg/l	24	29	33.125	36	33.00	35.00
TOC	mg/l	13	1.655	2.93323	5.162	2.514	4.70
Temperature	°C	24	1.2	15.14583	27	14.00	26.00
Total nitrogen	mg/l	22	1	1.64	2.8	1.56	2.58
Total phosphorus	mg/l	24	0.073	0.13383	0.218	0.129	0.18
Zinc (Zn)	µg/l	12	33.1	45.83983	55.6	47.50	54.20
Zinc (Zn), dissolved	µg/l	12	20	29.55	45.2	27.20	41.20
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	23	7.52	7.80913	8.12	7.77	7.62

River:	Danube	Catchment:	580100 km2	2012			
Distance from mouth:	834	Altitude:	31 m	RO2			
Location:	Right						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	23	2.34	2.77739	3.27	2.79	3.13
Ammonium (NH4-N)	mg/l	24	< 0.0125	0.07385	0.233	0.053	0.122
Anionic active surfactants	mg/l	22	< 0.05	0.19486	1.126	0.128	0.23
Arsenic (As)	µg/l	12	< 0.5	0.87933	1.793	0.50	1.451
Arsenic (As), dissolved	µg/l	23	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	10	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	24	1.14	1.80333	2.7	1.86	2.25
COD (Cr)	mg/l	23	9.06	10.70435	14.41	10.35	12.08
COD (Mn)	mg/l	23	1.27	2.33522	3.76	2.35	2.98
Cadmium (Cd)	µg/l	12	< 0.075	0.1195	0.334	0.075	0.241
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	23	36.68	46.28565	56.67	46.02	55.83
Chloride (Cl-)	mg/l	23	10.77	16.6087	22.34	16.16	21.72
Chromium (Cr) - total	µg/l	12	< 0.5	1.231	1.705	1.239	1.675
Chromium (Cr), total	µg/l	12	< 0.5	0.5545	1.154	0.50	0.50
Conductivity	µS/cm	23	245	369.69565	461	362.00	432.00
Copper (Cu)	µg/l	12	2.458	3.683	4.792	3.575	4.501
Copper (Cu), dissolved	µg/l	12	< 0.5	2.18867	3.709	2.035	3.012
Dissolved oxygen	mg/l	23	6.19	8.6713	12.12	8.37	6.68
Flow	m3/s	366	2319	4320.5601	7136	4061.00	6151.00
Iron (Fe)	mg/l	1	0.111	0.111	0.111		
Lead (Pb)	µg/l	12	< 0.15	2.21667	4.074	1.905	3.782
Lead (Pb), dissolved	µg/l	12	< 0.15	0.98392	2.885	1.105	2.073
Lindane (gama-HCH)	µg/l	11	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	2.15	2.15	2.15		
Magnesium (Mg++)	mg/l	23	7.76	12.02217	20.37	11.64	14.55
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	12	< 0.0075	0.04392	0.101	0.05	0.081
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.01975	0.082	0.0075	0.042
Nickel (Ni)	µg/l	12	1.414	2.19708	3.431	2.00	2.819
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.75	2	2.00	2.00
Nitrate (NO3-N)	mg/l	24	0.6965	1.13655	2.049	1.018	1.824
Nitrite (NO2-N)	mg/l	24	0.006	0.01764	0.034	0.0174	0.025
Orthophosphate (PO4-P)	mg/l	24	0.027	0.08404	0.16	0.068	0.15
Phenol index	mg/l	22	< 0.0025	0.00309	0.01	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.6	3.845	5.09		
Potassium (K+)	mg/l	20	< 0.3	1.865	3	2.00	2.00
Silicates(SiO2), dissolved	mg/l	23	1.5	3.96957	10.6	4.00	5.70

River: Danube **Catchment:** 580100 km2 **2012**
Distance from mouth: 834 **Altitude:** 31 m **RO2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	20	12	15.85	23	14.00	21.00
Sulphate (SO4--)	mg/l	23	24.72	33.54609	48.04	33.90	38.16
Suspended solids	mg/l	24	31	33.91667	36	34.00	36.00
TOC	mg/l	8	2.003	4.35425	5.519	5.519	5.519
Temperature	°C	24	1.2	15.24583	27	14.50	26.00
Total nitrogen	mg/l	23	1	1.63087	2.91	1.57	2.58
Total phosphorus	mg/l	24	0.079	0.15025	0.243	0.138	0.23
Zinc (Zn)	µg/l	12	35.1	46.85133	64.016	44.50	58.60
Zinc (Zn), dissolved	µg/l	12	20.9	31.67225	47.5	28.50	44.70
p,p'-DDT	µg/l	11	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	23	7.53	7.81348	8.03	7.82	7.65

River:	Olt	Catchment:	24050 km²	2012			
Distance from mouth:	3	Altitude:	32 m	RO20			
Location:	Middle						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH ₄ -N)	mg/l	9	< 0.0125	0.04122	0.142	0.142	0.142
Anionic active surfactants	mg/l	7	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	1	3.9	3.9	3.9		
Atrazine	µg/l	3	< 0.0175	< 0.0175	<0.0175		
BOD (5)	mg/l	7	0.95	1.45429	2.34	2.34	2.34
COD (Cr)	mg/l	9	4	20.30556	66.31	66.31	66.31
COD (Mn)	mg/l	6	1.87	2.82767	3.524	3.524	3.524
Cadmium (Cd)	µg/l	7	< 0.075	0.14357	0.245	0.245	0.245
Cadmium (Cd), dissolved	µg/l	9	< 0.075	0.11833	0.24	0.24	0.24
Calcium (Ca ⁺⁺)	mg/l	6	48.58	72.83167	131.81	131.81	131.81
Chloride (Cl ⁻)	mg/l	8	75.81	136.11375	276.53	276.53	276.53
Chromium (Cr) - total	µg/l	7	< 0.5	0.69714	1.88	1.88	1.88
Chromium (Cr), total	µg/l	9	< 0.5	0.70556	1.85	1.85	1.85
Conductivity	µS/cm	7	458	631.57143	1183	1183.00	1183.00
Copper (Cu)	µg/l	8	< 0.5	3.805	9.28	9.28	9.28
Copper (Cu), dissolved	µg/l	9	< 0.5	1.74222	4.48	4.48	4.48
Dissolved oxygen	mg/l	5	8.01	11.856	19.5	8.01	8.01
Iron (Fe)	mg/l	4	0.137	0.221	0.38	0.38	0.38
Lead (Pb)	µg/l	7	1.6	2.07429	3	3.00	3.00
Lead (Pb), dissolved	µg/l	9	< 0.15	1.70222	3.64	3.64	3.64
Lindane (gama-HCH)	µg/l	2	< 0.00425	< 0.00425	<0.00425		
Magnesium (Mg ⁺⁺)	mg/l	6	5.61	7.32583	10.48	10.48	10.48
Manganese (Mn)	mg/l	3	0.032	0.03567	0.043		
Mercury (Hg)	µg/l	7	< 0.0075	0.21264	1.18	1.18	1.18
Mercury (Hg), dissolved	µg/l	9	< 0.0075	0.03872	0.064	0.064	0.064
Nickel (Ni)	µg/l	7	1.74	2.03714	2.64	2.64	2.64
Nickel (Ni), dissolved	µg/l	9	1.7	1.96444	2.46	2.46	2.46
Nitrate (NO ₃ -N)	mg/l	9	0.136	0.53811	1.483	1.483	1.483
Nitrite (NO ₂ -N)	mg/l	9	0.0036	0.01562	0.052	0.052	0.052
Orthophosphate (PO ₄ -P)	mg/l	9	0.01	0.02189	0.071	0.071	0.071
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	2.44	3.965	5.49		
Potassium (K ⁺)	mg/l	4	3.17	3.645	4.18	4.18	4.18
Silicates(SiO ₂), dissolved	mg/l	5	7.5	8.868	9.85	9.85	9.85
Sodium (Na ⁺)	mg/l	4	33.43	57.4425	78.2	78.20	78.20
Sulphate (SO ₄ ⁻⁻)	mg/l	7	16.4	19.66286	24	24.00	24.00
Suspended solids	mg/l	7	18.6	25.67143	39	39.00	39.00
Temperature	°C	9	3.1	13.74444	25.7	25.70	25.70
Total nitrogen	mg/l	9	0.5	1.44489	3	3.00	3.00

River: Olt **Catchment:** 24050 km2 **2012**
Distance from mouth: 3 **Altitude:** 32 m **RO20**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	9	0.011	0.03411	0.074	0.074	0.074
Zinc (Zn)	µg/l	7	< 0.5	31.15714	81.6	81.60	81.60
Zinc (Zn), dissolved	µg/l	9	< 0.5	31.40444	62.4	62.40	62.40
p,p'-DDT	µg/l	3	< 0.0025	< 0.0025	<0.0025		
pH	-	7	7.51	7.63143	7.93	7.51	7.51

River: Lalomita **Catchment:** 10309 km² **2012**
Distance from mouth: 24 **Altitude:** 8 m **RO21**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.34	3.91782	5.155	4.264	4.90
Ammonium (NH ₄ -N)	mg/l	14	0.04	5.80271	14.869	4.742	12.50
Anionic active surfactants	mg/l	8	< 0.05	0.06683	0.1846	0.1846	0.1846
BOD (5)	mg/l	13	1.5	5.51331	10.169	5.17	10.03
COD (Cr)	mg/l	14	4	36.65807	96.21	32.252	71.391
COD (Mn)	mg/l	13	3.48	8.31846	16.62	6.31	14.30
Calcium (Ca ⁺⁺)	mg/l	11	24.85	78.15	115.08	92.20	107.14
Chloride (Cl ⁻)	mg/l	11	157.943	259.53982	338.735	256.92	294.827
Conductivity	µS/cm	11	1086	1486.9090	1669	1513.00	1665.00
Copper (Cu), dissolved	µg/l	7	< 0.5	2.15071	3.997	3.997	3.997
DOC	mg/l	12	2.78	3.75167	5.63	3.63	4.75
Dissolved oxygen	mg/l	12	2.72	9.0675	13.54	9.10	5.85
Macrozoobenthos sapr. index	-	2	0.501	0.5675	0.634		
Magnesium (Mg ⁺⁺)	mg/l	11	16.37	27.10909	63.23	20.53	39.19
Nitrate (NO ₃ -N)	mg/l	14	1.159	4.00471	7.003	3.727	6.475
Nitrite (NO ₂ -N)	mg/l	14	0.055	0.39079	2.052	0.22	0.543
Orthophosphate (PO ₄ -P)	mg/l	13	< 0.0035	0.11458	0.305	0.107	0.246
Petroleum hydrocarbons	mg/l	5	0.125	0.127	0.135	0.135	0.135
Phenol index	mg/l	7	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	34.24	100.74	167.24		
Potassium (K ⁺)	mg/l	5	7.03	7.714	8.96	8.96	8.96
Sodium (Na ⁺)	mg/l	5	195.73	233.28	290.9	290.90	290.90
Sulphate (SO ₄ ⁻⁻)	mg/l	11	59.34	101.89073	127.624	104.656	124.00
Suspended solids	mg/l	11	28	235.44545	1160	38.40	760.00
TOC	mg/l	10	3.01	4.097	6.9	6.90	6.90
Temperature	°C	14	1	13.21429	29	13.00	23.00
Total nitrogen	mg/l	14	2.827	12.11114	22.52	13.849	21.511
Total phosphorus	mg/l	13	0.105	0.24231	0.391	0.204	0.384
Zinc (Zn), dissolved	µg/l	7	30	57.14286	95	95.00	95.00
pH	-	11	6.41	6.68	7.41	6.63	6.47

River:	Danube	Catchment:	676150 km2	2012			
Distance from mouth:	432	Altitude:	16 m	RO3			
Location:	Left						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.484	3.1935	3.681	3.226	3.61
Ammonium (NH4-N)	mg/l	12	0.025	0.15225	0.766	0.059	0.462
Anionic active surfactants	mg/l	12	< 0.05	0.07442	0.177	0.05	0.156
Arsenic (As)	µg/l	12	1.44	2.45333	4.9	2.00	3.50
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	2.49	3.27083	3.84	3.25	3.80
COD (Cr)	mg/l	12	15.36	19.02167	30.8	17.44	22.02
COD (Mn)	mg/l	12	3.32	4.00667	5.12	3.84	4.48
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	43.97	57.30083	65.15	57.10	63.90
Chloride (Cl-)	mg/l	12	21.483	31.21708	47.008	27.927	42.399
Chromium (Cr) - total	µg/l	12	< 0.5	1.225	4.2	1.10	1.60
Chromium (Cr), total	µg/l	12	< 0.5	0.59167	1.1	0.50	1.00
Conductivity	µS/cm	12	291	380	450	374.00	436.00
Copper (Cu)	µg/l	12	1.8	4.48333	9.1	3.00	8.50
Copper (Cu), dissolved	µg/l	12	1	2.31667	5.3	1.80	4.40
Dissolved oxygen	mg/l	12	7.09	9.48083	12.09	8.94	7.58
Lead (Pb)	µg/l	12	< 0.15	0.64917	1.4	0.71	1.30
Lead (Pb), dissolved	µg/l	12	< 0.15	0.20167	0.39	0.15	0.38
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.061	2.0865	2.112		
Magnesium (Mg++)	mg/l	12	8.79	11.445	13.03	11.42	12.78
Nickel (Ni)	µg/l	12	1.7	8.925	25	4.30	24.00
Nickel (Ni), dissolved	µg/l	12	1.2	7.3	23	3.90	14.00
Nitrate (NO3-N)	mg/l	12	0.275	1.03867	2.293	0.905	1.876
Nitrite (NO2-N)	mg/l	12	0.011	0.01975	0.035	0.016	0.031
Orthophosphate (PO4-P)	mg/l	12	0.015	0.05642	0.099	0.048	0.097
Phenol index	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	7.1	13.025	18.95		
Potassium (K+)	mg/l	12	1.9	2.34167	3.1	2.20	2.80
Sodium (Na+)	mg/l	12	13.3	20.19167	28.1	17.50	27.50
Sulphate (SO4--)	mg/l	12	13.686	30.35983	40.264	30.877	39.314
Suspended solids	mg/l	12	7	21.73333	43	16.00	39.20
TOC	mg/l	11	< 0.5	2.47582	5.195	1.769	4.92
Temperature	°C	12	1.5	14.79167	27.5	14.00	27.50
Total nitrogen	mg/l	12	0.6958	1.5359	2.604	1.442	2.346

River: Danube **Catchment:** 676150 km² **2012**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.02	0.07683	0.133	0.066	0.13
Zinc (Zn)	µg/l	12	2.2	7.09167	20	4.80	13.00
Zinc (Zn), dissolved	µg/l	11	1	3.02727	5	3.10	4.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.17	7.7425	8.72	7.71	7.36

River: Danube
Distance from mouth: 432
Location: Middle
Catchment: 676150 km²
Altitude: 16 m
2012
RO3

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.565	3.2312	3.827	3.827	3.827
Ammonium (NH ₄ -N)	mg/l	10	0.026	0.0567	0.111	0.111	0.111
Anionic active surfactants	mg/l	10	< 0.05	0.093	0.208	0.208	0.208
Arsenic (As)	µg/l	10	1.36	2.316	3.3	3.30	3.30
Arsenic (As), dissolved	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	10	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	10	2.88	3.491	4.32	4.32	4.32
COD (Cr)	mg/l	10	16.2	21.043	29.44	29.44	29.44
COD (Mn)	mg/l	10	3.77	4.349	5.76	5.76	5.76
Cadmium (Cd)	µg/l	10	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	10	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	10	45.02	56.708	67.16	67.16	67.16
Chloride (Cl ⁻)	mg/l	10	20.314	26.9233	42.816	42.816	42.816
Chromium (Cr) - total	µg/l	10	< 0.5	1.4	5	5.00	5.00
Chromium (Cr), total	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	10	294	369.3	454	454.00	454.00
Copper (Cu)	µg/l	10	1.9	4.79	11	11.00	11.00
Copper (Cu), dissolved	µg/l	10	1.2	2.58	5.4	5.40	5.40
Dissolved oxygen	mg/l	10	7.39	9.316	12.15	7.39	7.39
Lead (Pb)	µg/l	10	< 0.15	0.609	1	1.00	1.00
Lead (Pb), dissolved	µg/l	10	< 0.15	0.186	0.33	0.33	0.33
Lindane (gama-HCH)	µg/l	10	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	10	9	11.341	13.43	13.43	13.43
Nickel (Ni)	µg/l	10	1.6	10.1	27	27.00	27.00
Nickel (Ni), dissolved	µg/l	10	1.4	8.68	24	24.00	24.00
Nitrate (NO ₃ -N)	mg/l	10	0.367	1.0299	2.283	2.283	2.283
Nitrite (NO ₂ -N)	mg/l	10	0.011	0.0166	0.025	0.025	0.025
Orthophosphate (PO ₄ -P)	mg/l	10	0.013	0.0487	0.096	0.096	0.096
Phenol index	mg/l	10	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	7.58	13.975	20.37		
Potassium (K ⁺)	mg/l	10	1.5	1.95	3.3	3.30	3.30
Sodium (Na ⁺)	mg/l	10	12.9	19.07	28.5	28.50	28.50
Sulphate (SO ₄ ⁻⁻)	mg/l	10	16.912	29.1144	38.59	38.59	38.59
Suspended solids	mg/l	10	7	18.84	46.4	46.40	46.40
TOC	mg/l	10	< 0.5	2.1898	4.939	4.939	4.939
Temperature	°C	10	3	16.1	27.5	27.50	27.50
Total nitrogen	mg/l	10	0.6987	1.42756	2.599	2.599	2.599
Total phosphorus	mg/l	10	0.018	0.0665	0.132	0.132	0.132

River: Danube **Catchment:** 676150 km2 **2012**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	10	2.1	4.3	6.6	6.60	6.60
Zinc (Zn), dissolved	µg/l	10	1.2	2.198	4.4	4.40	4.40
p,p'-DDT	µg/l	10	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	10	7.51	7.889	8.66	7.51	7.51

River: Danube
Distance from mouth: 432
Location: Right
Catchment: 676150 km²
Altitude: 16 m
2012
RO3

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.525	3.2553	4.012	4.012	4.012
Ammonium (NH ₄ -N)	mg/l	10	0.025	0.0702	0.126	0.126	0.126
Anionic active surfactants	mg/l	10	< 0.05	0.0935	0.191	0.191	0.191
Arsenic (As)	µg/l	10	1.44	2.274	3.4	3.40	3.40
Arsenic (As), dissolved	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	10	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	10	2.78	3.526	4.56	4.56	4.56
COD (Cr)	mg/l	10	16.5	21.079	26.16	26.16	26.16
COD (Mn)	mg/l	10	3.71	4.427	6.08	6.08	6.08
Cadmium (Cd)	µg/l	10	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	10	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	10	44.31	57.13	70.41	70.41	70.41
Chloride (Cl ⁻)	mg/l	10	20.05	26.0233	44.255	44.255	44.255
Chromium (Cr) - total	µg/l	10	< 0.5	1.37	5.7	5.70	5.70
Chromium (Cr), total	µg/l	10	< 0.5	0.56	1.1	1.10	1.10
Conductivity	µS/cm	10	293	369.1	482	482.00	482.00
Copper (Cu)	µg/l	10	1.8	5.22	13	13.00	13.00
Copper (Cu), dissolved	µg/l	10	1.3	2.79	5.5	5.50	5.50
Dissolved oxygen	mg/l	10	7.21	9.3	12.26	7.21	7.21
Lead (Pb)	µg/l	10	< 0.15	0.505	1	1.00	1.00
Lead (Pb), dissolved	µg/l	10	< 0.15	0.204	0.49	0.49	0.49
Lindane (gama-HCH)	µg/l	10	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	10	8.86	11.426	14.08	14.08	14.08
Nickel (Ni)	µg/l	10	1.5	10.67	29	29.00	29.00
Nickel (Ni), dissolved	µg/l	10	1.3	8.5	22	22.00	22.00
Nitrate (NO ₃ -N)	mg/l	10	0.307	1.0544	2.208	2.208	2.208
Nitrite (NO ₂ -N)	mg/l	10	0.011	0.0167	0.026	0.026	0.026
Orthophosphate (PO ₄ -P)	mg/l	10	0.018	0.0484	0.083	0.083	0.083
Phenol index	mg/l	10	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	5.21	12.55	19.89		
Potassium (K ⁺)	mg/l	10	1.4	2.06	3	3.00	3.00
Sodium (Na ⁺)	mg/l	10	12.8	18.88	28.6	28.60	28.60
Sulphate (SO ₄ ⁻⁻)	mg/l	10	16.361	29.0478	37.575	37.575	37.575
Suspended solids	mg/l	10	7	17.04	42.6	42.60	42.60
TOC	mg/l	10	< 0.5	2.1811	4.934	4.934	4.934
Temperature	°C	10	3.5	16.28	28	28.00	28.00
Total nitrogen	mg/l	10	0.7859	1.47542	2.583	2.583	2.583
Total phosphorus	mg/l	10	0.024	0.0663	0.113	0.113	0.113

River: Danube **Catchment:** 676150 km² **2012**
Distance from mouth: 432 **Altitude:** 16 m **RO3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn)	µg/l	10	2.2	5.34	9.7	9.70	9.70
Zinc (Zn), dissolved	µg/l	9	1.32	2.48	3.6	3.60	3.60
p,p'-DDT	µg/l	10	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	10	7.19	7.865	8.56	7.19	7.19

River:	Danube	Catchment:	698600 km2		2012		
Distance from mouth:	375	Altitude:	13 m		RO4		
Location:	Left						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	7	2.83	3.16714	3.42	3.42	3.42
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.102	0.25272	0.0975	0.1997
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	3	1.4	1.5	1.6		
Arsenic (As), dissolved	µg/l	26	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	25	< 0.25	1.6528	3.36	1.70	2.29
COD (Cr)	mg/l	11	19.58	23.35455	25.58	23.60	25.58
COD (Mn)	mg/l	10	2.42	3.522	4.07	4.07	4.07
Cadmium (Cd)	µg/l	3	< 0.075	< 0.075	< 0.075		
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	39.6	50.05833	63.5	50.10	57.80
Chloride (Cl-)	mg/l	12	16.85	27.42917	37.82	23.38	37.82
Chromium (Cr) - total	µg/l	3	1.6	2.2	3.2		
Chromium (Cr), total	µg/l	12	1.1	1.73333	2.5	1.60	2.30
Conductivity	µS/cm	13	333	430.38462	541	439.00	500.00
Copper (Cu)	µg/l	3	1.5	2.63333	3.3		
Copper (Cu), dissolved	µg/l	12	1.2	1.83333	2.8	1.80	2.60
Dissolved oxygen	mg/l	26	6.7	9.37769	12.84	9.29	7.28
Flow	m3/s	366	2350	4664.6174	8990	4300.00	6580.00
Iron (Fe)	mg/l	2	0.15	0.305	0.46		
Lead (Pb)	µg/l	3	1.8	2.3	2.9		
Lead (Pb), dissolved	µg/l	12	0.75	1.375	2.5	0.75	2.20
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.26	2.29	2.32		
Magnesium (Mg++)	mg/l	12	9.63	15.51917	28	14.10	21.16
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	2	0.033	0.0415	0.05		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.04008	0.068	0.05	0.05
Nickel (Ni)	µg/l	3	< 0.5	0.96667	1.9		
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	26	0.8581	1.63546	2.3475	1.7081	2.2175
Nitrite (NO2-N)	mg/l	26	0.00912	0.01616	0.0371	0.0149	0.024
Orthophosphate (PO4-P)	mg/l	26	0.0173	0.0468	0.1017	0.0522	0.0659
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	3.54	12.645	21.75		
Potassium (K+)	mg/l	7	1.4	1.88571	2.8	2.80	2.80
Silicates(SiO2), dissolved	mg/l	26	0.8	1.99423	2.96	2.23	2.85

River: Danube **Catchment:** 698600 km2 **2012**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	7	15.2	17.55714	20.2	20.20	20.20
Sulphate (SO4--)	mg/l	6	23.03	32.115	44.7	44.70	44.70
Suspended solids	mg/l	26	5	15.80769	29	16.00	23.00
Temperature	°C	24	1	14.29833	28.5	12.70	25.50
Total nitrogen	mg/l	26	0.922	1.85635	2.88	1.87	2.64
Total phosphorus	mg/l	26	0.021	0.07246	0.25	0.07	0.099
Zinc (Zn)	µg/l	3	37.5	37.5	37.5		
Zinc (Zn), dissolved	µg/l	12	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	13	6.8	8.02154	8.57	8.02	7.82

River: Danube
Distance from mouth: 375
Location: Middle
Catchment: 698600 km²
Altitude: 13 m
2012
RO4

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	7	2.83	3.18143	3.47	3.47	3.47
Ammonium (NH ₄ -N)	mg/l	26	< 0.0125	0.07435	0.23868	0.0632	0.163
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	3	1.5	1.53333	1.6		
Arsenic (As), dissolved	µg/l	26	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	0.01941	0.0404	0.0175	0.0175
BOD (5)	mg/l	25	< 0.25	1.4148	2.8	1.27	2.39
COD (Cr)	mg/l	11	17.7	21.93	25.21	21.65	23.62
COD (Mn)	mg/l	10	2.11	3.148	4.38	4.38	4.38
Cadmium (Cd)	µg/l	3	< 0.075	< 0.075	< 0.075		
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	39.7	49.09667	57.8	50.00	55.50
Chloride (Cl ⁻)	mg/l	12	16.5	27.2675	41.96	23.16	36.45
Chromium (Cr) - total	µg/l	3	1.6	2.1	2.9		
Chromium (Cr), total	µg/l	12	1.4	1.93333	2.8	1.80	2.50
Conductivity	µS/cm	13	321	415.61538	535	418.00	486.00
Copper (Cu)	µg/l	3	1.9	2.23333	2.9		
Copper (Cu), dissolved	µg/l	12	1.1	1.65833	2.5	1.50	2.20
Dissolved oxygen	mg/l	26	6.98	9.34731	12.6	9.12	7.10
Flow	m ³ /s	366	2350	4664.6174	8990	4300.00	6580.00
Iron (Fe)	mg/l	2	0.16	0.205	0.25		
Lead (Pb)	µg/l	3	1.7	2.03333	2.5		
Lead (Pb), dissolved	µg/l	12	0.75	1.34167	2.2	0.75	2.10
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	12	7.3	13.56583	23.1	11.91	20.92
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	2	0.05	0.05555	0.0611		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.04113	0.0586	0.05	0.054
Nickel (Ni)	µg/l	3	< 0.5	0.93333	1.8		
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	26	0.7632	1.6506	2.4275	1.6982	2.3075
Nitrite (NO ₂ -N)	mg/l	26	0.0055	0.01359	0.02888	0.014	0.0201
Orthophosphate (PO ₄ -P)	mg/l	26	0.016	0.04834	0.0857	0.0522	0.0685
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	14.16	17.11	20.06		
Potassium (K ⁺)	mg/l	7	1.2	1.74286	2.5	2.50	2.50
Silicates(SiO ₂), dissolved	mg/l	26	1.05	2.07538	2.93	2.21	2.84
Sodium (Na ⁺)	mg/l	7	16.8	17.72857	19.2	19.20	19.20

River: Danube **Catchment:** 698600 km² **2012**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO ₄ ⁻⁻)	mg/l	6	22.06	32.26167	40	40.00	40.00
Suspended solids	mg/l	26	5	15.15385	28	16.00	22.00
Temperature	°C	24	1	14.22083	28.5	12.00	25.00
Total nitrogen	mg/l	26	0.886	1.85465	2.93	1.80	2.64
Total phosphorus	mg/l	26	0.016	0.06665	0.109	0.07	0.09
Zinc (Zn)	µg/l	3	37.5	37.5	37.5		
Zinc (Zn), dissolved	µg/l	12	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	13	7.84	8.11769	8.61	8.10	7.84

River: Danube
Distance from mouth: 375
Location: Right
Catchment: 698600 km2
Altitude: 13 m
2012
RO4

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	7	2.88	3.19	3.47	3.47	3.47
Ammonium (NH4-N)	mg/l	26	< 0.0125	0.06718	0.23244	0.0577	0.1131
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	3	1.5	1.53333	1.6		
Arsenic (As), dissolved	µg/l	26	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	25	< 0.25	1.4836	2.98	1.30	2.43
COD (Cr)	mg/l	11	19.68	22.82182	25.46	23.50	23.62
COD (Mn)	mg/l	10	2.56	3.266	3.85	3.85	3.85
Cadmium (Cd)	µg/l	3	< 0.075	< 0.075	< 0.075		
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	43.6	48.45333	54	47.60	54.00
Chloride (Cl-)	mg/l	12	17.19	26.52917	36.45	23.40	36.45
Chromium (Cr) - total	µg/l	3	1.7	1.96667	2.5		
Chromium (Cr), total	µg/l	12	1.5	1.99167	3.2	1.80	2.90
Conductivity	µS/cm	13	323	414.53846	521	416.00	485.00
Copper (Cu)	µg/l	3	1.9	2.43333	3		
Copper (Cu), dissolved	µg/l	12	1.1	1.75833	2.5	1.50	2.50
Dissolved oxygen	mg/l	26	6.91	9.33115	12.96	9.02	7.08
Flow	m3/s	366	2350	4664.6174	8990	4300.00	6580.00
Iron (Fe)	mg/l	2	0.15	0.21	0.27		
Lead (Pb)	µg/l	3	1.6	2.06667	2.3		
Lead (Pb), dissolved	µg/l	12	0.75	1.55417	2.5	1.60	2.50
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.32	2.345	2.37		
Magnesium (Mg++)	mg/l	12	7.3	16.27667	26.8	14.60	21.20
Manganese (Mn)	mg/l	1	< 0.015	< 0.015	< 0.015		
Mercury (Hg)	µg/l	2	0.0461	0.04805	0.05		
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.03963	0.05	0.05	0.05
Nickel (Ni)	µg/l	3	< 0.5	0.96667	1.9		
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	26	0.7641	1.66048	2.3375	1.6783	2.2376
Nitrite (NO2-N)	mg/l	26	0.00608	0.01426	0.0249	0.0149	0.021
Orthophosphate (PO4-P)	mg/l	26	0.0134	0.04924	0.0857	0.0531	0.0652
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	8.26	12.385	16.51		
Potassium (K+)	mg/l	7	1.2	1.77143	2.5	2.50	2.50
Silicates(SiO2), dissolved	mg/l	26	1.03	2.11423	3.03	2.26	2.90

River: Danube **Catchment:** 698600 km2 **2012**
Distance from mouth: 375 **Altitude:** 13 m **RO4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	7	16.8	17.72857	19.6	19.60	19.60
Sulphate (SO4--)	mg/l	6	18.89	30.61333	35.72	35.72	35.72
Suspended solids	mg/l	26	3	15	34	14.00	21.00
Temperature	°C	24	0.5	14.21167	28.5	12.60	25.00
Total nitrogen	mg/l	26	0.939	1.86419	2.69	1.87	2.56
Total phosphorus	mg/l	26	0.017	0.06623	0.114	0.07	0.089
Zinc (Zn)	µg/l	3	37.5	37.5	37.5		
Zinc (Zn), dissolved	µg/l	12	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	13	7.81	8.07538	8.58	8.03	7.89

River: Danube
Distance from mouth: 132
Location: Left

Catchment: 805700 km²
Altitude: 4 m

2012
RO5

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	2.49	2.94692	3.66	3.04	3.55
Ammonium (NH ₄ -N)	mg/l	26	0.086	0.23712	0.632	0.231	0.323
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	12	1.4	1.66667	1.9	1.60	1.90
Arsenic (As), dissolved	µg/l	26	< 0.5	0.86923	1.5	0.50	1.40
Atrazine	µg/l	14	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	25	0.72	2.3868	5.55	2.11	4.52
COD (Cr)	mg/l	13	14	18.65154	26.88	18.78	22.81
COD (Mn)	mg/l	11	1.92	3.20273	4.7	2.86	4.67
Cadmium (Cd)	µg/l	12	0.2	0.29358	0.605	0.20	0.577
Cadmium (Cd), dissolved	µg/l	13	0.2	0.2	0.2	0.20	0.20
Calcium (Ca ⁺⁺)	mg/l	13	40.28	50.50769	65.6	48.09	62.69
Chloride (Cl ⁻)	mg/l	13	17.63	24.37538	31.51	22.96	31.12
Chromium (Cr) - total	µg/l	12	< 0.5	2.87833	17.44	0.50	3.70
Chromium (Cr), total	µg/l	13	< 0.5	1.94923	10.74	1.50	2.40
Conductivity	µS/cm	15	341	431.06667	539	429.00	528.00
Copper (Cu)	µg/l	12	1.8	11.31917	32.7	4.60	29.32
Copper (Cu), dissolved	µg/l	13	1.1	4.01308	9.88	3.73	8.08
Dissolved oxygen	mg/l	26	6.3	9.50077	13.18	9.26	7.02
Flow	m ³ /s	366	2690	5052.5409	9980	4620.00	7130.00
Iron (Fe)	mg/l	9	0.05	0.30167	0.67	0.67	0.67
Lead (Pb)	µg/l	12	1.5	2.77333	5.49	2.50	4.08
Lead (Pb), dissolved	µg/l	13	1.5	1.73077	2.5	1.50	2.20
Lindane (gama-HCH)	µg/l	14	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	13	10.75	14.62231	19.94	13.62	18.87
Manganese (Mn)	mg/l	7	< 0.015	0.033	0.141	0.141	0.141
Mercury (Hg)	µg/l	12	< 0.0075	0.00854	0.02	0.0075	0.0075
Mercury (Hg), dissolved	µg/l	12	< 0.0075	0.00871	0.022	0.0075	0.0075
Nickel (Ni)	µg/l	12	1.5	2.66167	9.93	1.67	5.18
Nickel (Ni), dissolved	µg/l	13	1.5	1.55769	2.12	1.50	1.63
Nitrate (NO ₃ -N)	mg/l	26	0.54	1.18258	2.002	1.251	1.76
Nitrite (NO ₂ -N)	mg/l	26	0.006	0.01531	0.026	0.016	0.025
Orthophosphate (PO ₄ -P)	mg/l	26	0.021	0.04162	0.073	0.038	0.057
Petroleum hydrocarbons	mg/l	3	< 0.25	< 0.25	< 0.25		
Phenol index	mg/l	4	< 0.0025	0.00313	0.005	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	3.54	3.54	3.54		
Silicates(SiO ₂), dissolved	mg/l	26	0.75	2.915	14	2.71	3.18
Sulphate (SO ₄ --)	mg/l	4	32.75	42.7625	51.3	51.30	51.30

River: Danube **Catchment:** 805700 km² **2012**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	26	7.2	43.11154	175.2	26.00	132.00
Temperature	°C	26	0.8	15.26154	27.5	17.00	27.00
Total nitrogen	mg/l	24	1	1.75667	3.15	1.64	2.68
Total phosphorus	mg/l	25	0.058	0.09004	0.181	0.087	0.134
Zinc (Zn)	µg/l	12	< 0.5	1.575	3.3	0.50	2.90
Zinc (Zn), dissolved	µg/l	13	< 0.5	1.45385	3.5	1.40	2.70
p,p'-DDT	µg/l	14	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	15	7.81	8.08867	8.24	8.11	7.97

River: Danube
Distance from mouth: 132
Location: Middle
Catchment: 805700 km²
Altitude: 4 m
2012
RO5

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	2.22	2.83077	3.66	2.88	3.55
Ammonium (NH ₄ -N)	mg/l	26	0.078	0.22708	0.605	0.201	0.321
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	12	1.4	1.65	2	1.60	2.00
Arsenic (As), dissolved	µg/l	26	< 0.5	0.87308	1.5	1.10	1.40
Atrazine	µg/l	14	< 0.0175	0.02308	0.0956	0.0175	0.0175
BOD (5)	mg/l	26	0.81	2.20692	4.7	1.90	4.17
COD (Cr)	mg/l	13	14	16.89923	24.96	15.31	22.09
COD (Mn)	mg/l	11	1.85	3.13545	4.6	2.79	4.57
Cadmium (Cd)	µg/l	12	0.2	0.2175	0.41	0.20	0.20
Cadmium (Cd), dissolved	µg/l	13	0.2	0.2	0.2	0.20	0.20
Calcium (Ca ⁺⁺)	mg/l	13	37.05	48.34615	66.43	46.49	61.90
Chloride (Cl ⁻)	mg/l	13	15.75	23.11231	31.12	21.94	30.33
Chromium (Cr) - total	µg/l	12	< 0.5	2.41333	11.38	1.28	3.50
Chromium (Cr), total	µg/l	13	< 0.5	1.82385	8.31	1.50	2.40
Conductivity	µS/cm	15	343	427.26667	520	418.00	517.00
Copper (Cu)	µg/l	12	1.8	9.455	30.78	5.16	21.82
Copper (Cu), dissolved	µg/l	13	1.4	3.77962	9.29	3.67	8.77
Dissolved oxygen	mg/l	26	6.08	9.47577	13.03	9.18	7.12
Flow	m ³ /s	366	2690	5052.5409	9980	4620.00	7130.00
Iron (Fe)	mg/l	9	0.054	0.26011	0.38	0.38	0.38
Lead (Pb)	µg/l	12	1.5	2.51917	5.79	2.18	3.12
Lead (Pb), dissolved	µg/l	13	1.5	1.73077	2.5	1.50	2.50
Lindane (gama-HCH)	µg/l	14	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.17	2.224	2.278		
Magnesium (Mg ⁺⁺)	mg/l	13	9.77	14.88231	20.91	13.68	20.32
Manganese (Mn)	mg/l	7	< 0.015	0.03614	0.145	0.145	0.145
Mercury (Hg)	µg/l	12	< 0.0075	0.01008	0.031	0.0075	0.015
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	<0.0075	0.0075	0.0075
Nickel (Ni)	µg/l	12	1.5	2.72083	10.66	1.50	5.62
Nickel (Ni), dissolved	µg/l	13	1.5	1.52769	1.86	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	26	0.515	1.14604	1.941	1.222	1.722
Nitrite (NO ₂ -N)	mg/l	26	0.006	0.01338	0.025	0.014	0.023
Orthophosphate (PO ₄ -P)	mg/l	26	0.018	0.03838	0.071	0.033	0.057
Petroleum hydrocarbons	mg/l	3	< 0.25	< 0.25	< 0.25		
Phenol index	mg/l	4	< 0.0025	0.00313	0.005	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	4.72	4.72	4.72		
Silicates(SiO ₂), dissolved	mg/l	26	0.75	2.66769	12.8	2.43	3.03

River: Danube **Catchment:** 805700 km2 **2012**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	32.01	43.305	50.21	50.21	50.21
Suspended solids	mg/l	26	7	43.42308	265.2	22.80	137.00
Temperature	°C	26	0.8	15.25385	27.5	17.00	27.00
Total nitrogen	mg/l	25	1	1.6964	3.12	1.77	2.60
Total phosphorus	mg/l	25	0.057	0.0864	0.199	0.079	0.115
Zinc (Zn)	µg/l	12	< 0.5	1.55833	3.1	0.50	2.90
Zinc (Zn), dissolved	µg/l	13	< 0.5	1.52308	3.5	1.90	2.50
p,p'-DDT	µg/l	14	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	15	7.82	8.07733	8.35	8.09	7.92

River: Danube
Distance from mouth: 132
Location: Right
Catchment: 805700 km²
Altitude: 4 m
2012
RO5

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	13	2.38	2.83385	3.6	2.89	3.39
Ammonium (NH ₄ -N)	mg/l	26	0.081	0.23808	0.628	0.234	0.334
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	12	1.4	1.75	3	1.50	2.10
Arsenic (As), dissolved	µg/l	26	< 0.5	0.90385	1.4	1.10	1.40
Atrazine	µg/l	14	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	26	0.76	2.38	5.66	2.14	4.64
COD (Cr)	mg/l	13	14	17.48385	26.88	16.90	20.91
COD (Mn)	mg/l	11	1.78	3.16364	4.67	2.83	4.60
Cadmium (Cd)	µg/l	12	0.2	0.2215	0.34	0.20	0.318
Cadmium (Cd), dissolved	µg/l	13	0.2	0.2	0.2	0.20	0.20
Calcium (Ca ⁺⁺)	mg/l	13	38.48	48.77846	64.77	47.29	61.10
Chloride (Cl ⁻)	mg/l	13	16.54	23.71308	31.51	22.18	31.12
Chromium (Cr) - total	µg/l	12	< 0.5	2.5425	13.61	0.50	3.70
Chromium (Cr), total	µg/l	13	< 0.5	1.96	9.98	1.70	2.50
Conductivity	µS/cm	15	344	428.66667	528	420.00	523.00
Copper (Cu)	µg/l	12	1.8	11.02708	31.2	5.145	29.38
Copper (Cu), dissolved	µg/l	13	1.2	3.85231	8.4	3.32	7.82
Dissolved oxygen	mg/l	26	6.24	9.52769	13.15	9.31	6.95
Flow	m ³ /s	366	2690	5052.5409	9980	4620.00	7130.00
Iron (Fe)	mg/l	9	0.05	0.287	0.524	0.524	0.524
Lead (Pb)	µg/l	12	1.5	2.74667	5.05	2.50	4.35
Lead (Pb), dissolved	µg/l	13	1.5	1.60769	2.1	1.50	1.90
Lindane (gama-HCH)	µg/l	14	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.33	2.351	2.372		
Magnesium (Mg ⁺⁺)	mg/l	13	10.26	14.69615	20.91	13.62	18.87
Manganese (Mn)	mg/l	7	< 0.015	0.03743	0.14	0.14	0.14
Mercury (Hg)	µg/l	12	< 0.0075	0.0121	0.041	0.0075	0.019
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	<0.0075	0.0075	0.0075
Nickel (Ni)	µg/l	12	1.5	2.71467	10.323	1.60	6.24
Nickel (Ni), dissolved	µg/l	13	1.5	1.53269	1.925	1.50	1.50
Nitrate (NO ₃ -N)	mg/l	26	0.525	1.17635	1.973	1.251	1.742
Nitrite (NO ₂ -N)	mg/l	26	0.006	0.01473	0.026	0.015	0.025
Orthophosphate (PO ₄ -P)	mg/l	26	0.017	0.04038	0.074	0.036	0.057
Petroleum hydrocarbons	mg/l	3	< 0.25	< 0.25	< 0.25		
Phenol index	mg/l	4	< 0.0025	0.00313	0.005	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	5.9	5.9	5.9		
Silicates(SiO ₂), dissolved	mg/l	26	0.75	2.83615	13.2	2.62	3.43

River: Danube **Catchment:** 805700 km² **2012**
Distance from mouth: 132 **Altitude:** 4 m **RO5**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO ₄ ⁻⁻)	mg/l	4	31.2	41.36	48.24	48.24	48.24
Suspended solids	mg/l	26	6.8	41.17692	165	25.20	126.00
Temperature	°C	26	0.8	15.25769	27.5	17.00	27.00
Total nitrogen	mg/l	24	1	1.70458	3.24	1.57	2.70
Total phosphorus	mg/l	25	0.055	0.08448	0.141	0.081	0.111
Zinc (Zn)	µg/l	12	< 0.5	1.575	3.2	0.50	2.90
Zinc (Zn), dissolved	µg/l	13	< 0.5	1.45385	3.5	1.80	2.40
p,p'-DDT	µg/l	14	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	15	7.8	8.07733	8.26	8.10	7.97

River: Danube
Distance from mouth: 18
Location: Left

Catchment: 817000 km²
Altitude: 1 m

2012
RO6

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.43	2.87083	3.76	2.70	3.42
Aluminium (Al)	µg/l	1	< 0.005	< 0.005	< 0.005		
Ammonium (NH ₄ -N)	mg/l	12	0.0546	0.19136	0.34164	0.188	0.2597
Anionic active surfactants	mg/l	3	< 0.05	< 0.05	< 0.05		
Arsenic (As)	µg/l	7	1.4	1.57143	1.8	1.80	1.80
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.82	1.75917	3.34	1.59	2.74
COD (Cr)	mg/l	12	6.95	17.4775	23.04	18.78	22.58
COD (Mn)	mg/l	12	2.24	4.12575	11.83	3.22	4.92
Cadmium (Cd)	µg/l	7	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	38.67	50.02583	66.53	45.46	66.43
Chloride (Cl ⁻)	mg/l	12	19.3	24.4525	38.6	22.33	30.32
Chromium (Cr) - total	µg/l	7	< 0.5	1.32071	2.9	2.90	2.90
Chromium (Cr), total	µg/l	11	< 0.5	0.95455	2.2	0.50	1.90
Conductivity	µS/cm	12	330	403.91667	552	374.00	501.00
Copper (Cu)	µg/l	7	2	15.81843	31.386	31.386	31.386
Copper (Cu), dissolved	µg/l	11	1.43	4.08009	9.65	3.12	7.893
Dissolved oxygen	mg/l	12	7.31	9.41833	12.91	8.59	7.42
Iron (Fe)	mg/l	6	0.076	0.42083	0.699	0.699	0.699
Lead (Pb)	µg/l	7	0.75	2.07357	3.3	3.30	3.30
Lead (Pb), dissolved	µg/l	11	0.75	1.08182	2.3	0.75	2.00
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Magnesium (Mg ⁺⁺)	mg/l	12	9.72	12.95667	18.14	11.73	17.90
Manganese (Mn)	mg/l	7	< 0.015	0.04157	0.09	0.09	0.09
Mercury (Hg)	µg/l	9	< 0.0075	0.01694	0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	7	< 0.5	1.37414	2.32	2.32	2.32
Nickel (Ni), dissolved	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	12	0.46443	1.04069	1.78992	1.0102	1.6588
Nitrite (NO ₂ -N)	mg/l	12	0.0109	0.02366	0.04104	0.0201	0.038
Orthophosphate (PO ₄ -P)	mg/l	12	0.0117	0.03462	0.05868	0.0287	0.0587
Petroleum hydrocarbons	mg/l	4	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	0.0032	0.0053	0.0053	0.0053
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	42.79	42.79	42.79		
Potassium (K ⁺)	mg/l	6	2.3	2.9	3.8	3.80	3.80
Sodium (Na ⁺)	mg/l	6	12.7	18.13333	29.1	29.10	29.10

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	28.21	32.995	47	47.00	47.00
Suspended solids	mg/l	12	8.8	43.56667	98.4	32.40	80.40
Temperature	°C	12	4	16.74167	27.1	19.50	25.70
Total nitrogen	mg/l	9	1.0176	1.79764	2.64	2.64	2.64
Total phosphorus	mg/l	12	0.06	0.09217	0.137	0.081	0.116
Zinc (Zn)	µg/l	8	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.92	8.12083	8.44	8.11	7.97

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.05	2.715	3.76	2.50	3.21
Aluminium (Al)	µg/l	1	< 0.005	< 0.005	< 0.005		
Ammonium (NH4-N)	mg/l	12	0.03744	0.18226	0.34086	0.1794	0.2496
Anionic active surfactants	mg/l	3	< 0.05	< 0.05	< 0.05		
Arsenic (As)	µg/l	7	1.4	1.58571	1.9	1.90	1.90
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.97	1.7375	3.29	1.51	2.81
COD (Cr)	mg/l	12	6.95	15.50583	22.15	17.15	21.12
COD (Mn)	mg/l	12	2.11	4.01008	11.51	3.07	4.86
Cadmium (Cd)	µg/l	7	< 0.075	0.13043	0.278	0.278	0.278
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	36.07	47.82083	67.26	44.66	64.12
Chloride (Cl-)	mg/l	12	17.23	23.24667	38.21	22.06	28.75
Chromium (Cr) - total	µg/l	7	< 0.5	1.39229	2.5	2.50	2.50
Chromium (Cr), total	µg/l	11	< 0.5	0.95455	2.5	0.50	2.20
Conductivity	µS/cm	12	330	406.33333	557	383.00	504.00
Copper (Cu)	µg/l	7	2.2	17.04857	34.95	34.95	34.95
Copper (Cu), dissolved	µg/l	11	1.46	3.72318	7.63	2.79	6.915
Dissolved oxygen	mg/l	12	7.42	9.30917	12.62	8.53	7.49
Iron (Fe)	mg/l	7	0.25	0.54571	0.93	0.93	0.93
Lead (Pb)	µg/l	7	0.75	2.47057	4.07	4.07	4.07
Lead (Pb), dissolved	µg/l	11	0.75	1.05455	2.2	0.75	1.80
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.13	2.15	2.17		
Magnesium (Mg++)	mg/l	12	10.21	13.04167	19.65	11.24	17.42
Manganese (Mn)	mg/l	7	< 0.015	0.053	0.134	0.134	0.134
Mercury (Hg)	µg/l	9	< 0.0075	0.01778	0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	7	< 0.5	1.43	2.44	2.44	2.44
Nickel (Ni), dissolved	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.43957	1.01411	1.71986	0.9695	1.6701
Nitrite (NO2-N)	mg/l	12	0.0109	0.02131	0.0371	0.0192	0.034
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03082	0.0557	0.0267	0.0548
Petroleum hydrocarbons	mg/l	4	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	32.46	32.46	32.46		
Potassium (K+)	mg/l	6	2.2	2.85	4	4.00	4.00

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	6	12.5	18.26667	30.4	30.40	30.40
Sulphate (SO4--)	mg/l	4	28.52	34.455	47	47.00	47.00
Suspended solids	mg/l	12	9.6	40.16667	96.2	30.40	71.40
Temperature	°C	12	4	16.74167	27	19.70	25.50
Total nitrogen	mg/l	8	1.07	1.80363	2.4	2.40	2.40
Total phosphorus	mg/l	12	0.052	0.08417	0.116	0.08	0.111
Zinc (Zn)	µg/l	7	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.81	8.06417	8.47	8.03	7.96

River:	Danube	Catchment:	817000 km2	2012			
Distance from mouth:	18	Altitude:	1 m	RO6			
Location:	Right						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.31	2.81083	3.66	2.65	3.32
Aluminium (Al)	µg/l	1	< 0.005	< 0.005	< 0.005		
Ammonium (NH4-N)	mg/l	12	0.04212	0.18701	0.34398	0.1856	0.2644
Anionic active surfactants	mg/l	3	< 0.05	< 0.05	< 0.05		
Arsenic (As)	µg/l	7	1.4	1.61429	1.9	1.90	1.90
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.86	1.82833	3.37	1.57	3.12
COD (Cr)	mg/l	12	6.95	16.83583	23.04	16.90	22.58
COD (Mn)	mg/l	12	2.17	4.04875	11.51	3.13	4.92
Cadmium (Cd)	µg/l	7	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	38.47	49.16167	68.09	45.11	65.73
Chloride (Cl-)	mg/l	12	18.02	23.8975	38.21	21.54	29.54
Chromium (Cr) - total	µg/l	7	< 0.5	1.12857	2.5	2.50	2.50
Chromium (Cr), total	µg/l	11	< 0.5	0.97273	2.4	0.50	2.30
Conductivity	µS/cm	12	337	407.5	572	386.00	500.00
Copper (Cu)	µg/l	7	1.9	11.51143	23.56	23.56	23.56
Copper (Cu), dissolved	µg/l	11	1.4	3.71182	9.44	2.76	7.43
Dissolved oxygen	mg/l	12	7.35	9.32417	12.5	8.25	7.36
Iron (Fe)	mg/l	7	0.4	0.49557	0.601	0.601	0.601
Lead (Pb)	µg/l	7	2.1	2.97743	4.352	4.352	4.352
Lead (Pb), dissolved	µg/l	11	0.75	1.17727	2.3	0.75	1.90
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.09	2.135	2.18		
Magnesium (Mg++)	mg/l	12	8.75	13.2525	22.17	11.73	17.42
Manganese (Mn)	mg/l	7	< 0.015	0.02343	0.039	0.039	0.039
Mercury (Hg)	µg/l	9	< 0.0075	0.01844	0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	7	< 0.5	1.23929	2.18	2.18	2.18
Nickel (Ni), dissolved	µg/l	11	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.4545	1.03457	1.74924	0.9899	1.6792
Nitrite (NO2-N)	mg/l	12	0.0109	0.02274	0.0389	0.0219	0.0359
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03294	0.058	0.03	0.0567
Petroleum hydrocarbons	mg/l	4	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	33.93	33.93	33.93		
Potassium (K+)	mg/l	6	2.2	2.9	3.9	3.90	3.90

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 18 **Altitude:** 1 m **RO6**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sodium (Na+)	mg/l	6	12.6	18.41667	30.5	30.50	30.50
Sulphate (SO4--)	mg/l	4	28.76	33.3625	46	46.00	46.00
Suspended solids	mg/l	12	16	42.4	99.2	31.60	75.60
Temperature	°C	12	4	16.79167	27.2	19.50	25.70
Total nitrogen	mg/l	9	1.1	1.79333	2.46	2.46	2.46
Total phosphorus	mg/l	12	0.057	0.08842	0.117	0.083	0.11
Zinc (Zn)	µg/l	8	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.96	8.09667	8.54	8.07	7.99

River: Danube
Distance from mouth: 0
Location: Left

Catchment: 817000 km²
Altitude: 1 m

2012
RO7

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.31	2.85333	3.74	2.70	3.50
Ammonium (NH ₄ -N)	mg/l	12	0.04914	0.19247	0.35412	0.1646	0.3292
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	6	1.5	1.75	2	2.00	2.00
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	2.21	5.37	1.23	5.28
COD (Cr)	mg/l	12	6.95	16.32333	22.83	16.77	21.89
COD (Mn)	mg/l	12	2.56	4.35	10.55	3.64	5.40
Cadmium (Cd)	µg/l	6	< 0.075	0.15583	0.56	0.56	0.56
Cadmium (Cd), dissolved	µg/l	11	< 0.075	0.14955	0.895	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	41.68	51.7575	68.93	50.50	62.28
Chloride (Cl ⁻)	mg/l	12	18.6	71.905	194.63	29.54	154.15
Chromium (Cr) - total	µg/l	6	< 0.5	0.86867	1.912	1.912	1.912
Chromium (Cr), total	µg/l	11	< 0.5	1.20818	3.1	0.50	2.89
Conductivity	µS/cm	12	335	516.66667	997	423.00	882.00
Copper (Cu)	µg/l	6	14.272	26.18533	37.5	37.50	37.50
Copper (Cu), dissolved	µg/l	11	2	4.67136	10.32	3.74	8.01
Dissolved oxygen	mg/l	12	6.5	8.89833	12.21	7.83	6.87
Iron (Fe)	mg/l	8	< 0.015	0.383	1	1.00	1.00
Lead (Pb)	µg/l	6	0.75	3.27	7.39	7.39	7.39
Lead (Pb), dissolved	µg/l	11	0.75	1.22727	2.9	0.75	2.50
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.12	2.135	2.15		
Magnesium (Mg ⁺⁺)	mg/l	12	9.24	16.19583	31.77	12.64	26.88
Manganese (Mn)	mg/l	8	< 0.015	0.01725	0.033	0.033	0.033
Mercury (Hg)	µg/l	7	< 0.0075	0.01079	0.023	0.023	0.023
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	6	< 0.5	1.58	4.89	4.89	4.89
Nickel (Ni), dissolved	µg/l	11	< 0.5	0.72364	2.96	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	12	0.4746	1.02501	1.83964	0.8588	1.6385
Nitrite (NO ₂ -N)	mg/l	12	0.00304	0.02052	0.042	0.0188	0.028
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.032	0.0548	0.03	0.0528
Petroleum hydrocarbons	mg/l	5	< 0.0625	0.112	0.31	0.31	0.31
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	35.41	35.41	35.41		
Potassium (K ⁺)	mg/l	6	2.3	3.13333	5.4	5.40	5.40
Sodium (Na ⁺)	mg/l	6	12.9	28.08333	86.5	86.50	86.50

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	5	19.19	34.34	41.72	41.72	41.72
Suspended solids	mg/l	12	9.6	25.5	62	14.00	56.00
Temperature	°C	12	4	17.01083	26.7	18.40	26.00
Total nitrogen	mg/l	7	1.2	1.86729	2.46	2.46	2.46
Total phosphorus	mg/l	12	0.048	0.09767	0.268	0.075	0.122
Zinc (Zn)	µg/l	6	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.05	7.85833	8.45	7.85	7.28

River: Danube Catchment: 817000 km² 2012
 Distance from mouth: 0 Altitude: 1 m RO7
 Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.2	2.75583	3.63	2.70	3.44
Ammonium (NH ₄ -N)	mg/l	12	0.03588	0.18772	0.35178	0.1583	0.3292
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	6	1.5	1.7	1.9	1.90	1.90
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	2.08417	5.19	1.35	4.83
COD (Cr)	mg/l	12	6.95	13.64083	20.93	16.61	19.20
COD (Mn)	mg/l	12	2.42	4.14167	10.55	3.19	5.23
Cadmium (Cd)	µg/l	6	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	11	< 0.075	0.13727	0.76	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	37.67	49.8225	65.73	48.65	64.77
Chloride (Cl ⁻)	mg/l	12	17.82	68.85917	193.07	27.96	144.80
Chromium (Cr) - total	µg/l	6	< 0.5	1.31667	4.07	4.07	4.07
Chromium (Cr), total	µg/l	11	< 0.5	1.11091	3.22	0.50	2.40
Conductivity	µS/cm	12	338	515.58333	994	418.00	759.00
Copper (Cu)	µg/l	6	10.42	20.805	33.35	33.35	33.35
Copper (Cu), dissolved	µg/l	11	1.9	4.75364	8.31	4.14	7.21
Dissolved oxygen	mg/l	12	6.3	8.9825	12.16	7.96	6.73
Iron (Fe)	mg/l	8	< 0.015	0.37225	0.61	0.61	0.61
Lead (Pb)	µg/l	6	0.75	1.63833	2.93	2.93	2.93
Lead (Pb), dissolved	µg/l	11	0.75	1.19091	2.8	0.75	2.20
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.18	2.27	2.36		
Magnesium (Mg ⁺⁺)	mg/l	12	8.79	15.97083	29.82	14.10	27.37
Manganese (Mn)	mg/l	8	< 0.015	< 0.015	< 0.015	0.015	0.015
Mercury (Hg)	µg/l	7	< 0.0075	0.01257	0.043	0.043	0.043
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	6	< 0.5	0.9175	1.77	1.77	1.77
Nickel (Ni), dissolved	µg/l	11	< 0.5	0.61818	1.8	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	12	< 0.003	0.89003	1.79896	0.5894	1.5594
Nitrite (NO ₂ -N)	mg/l	12	0.00304	0.01885	0.03496	0.017	0.0289
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.02949	0.05379	0.0267	0.0499
Petroleum hydrocarbons	mg/l	5	< 0.0625	0.2022	0.761	0.761	0.761
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	47.21	47.21	47.21		
Potassium (K ⁺)	mg/l	6	2.2	7.26667	28	28.00	28.00
Sodium (Na ⁺)	mg/l	6	12.7	26.81667	79	79.00	79.00

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	5	16.84	33.51	39.38	39.38	39.38
Suspended solids	mg/l	12	5.2	22.75	60	13.60	50.60
Temperature	°C	12	4	17.245	28.2	18.40	26.60
Total nitrogen	mg/l	7	0.5	1.65429	2.33	2.33	2.33
Total phosphorus	mg/l	12	0.05	0.094	0.266	0.071	0.111
Zinc (Zn)	µg/l	6	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.26	7.8925	8.52	7.85	7.40

River:	Danube	Catchment:			817000 km²	2012	
Distance from mouth:	0	Altitude:			1 m	RO7	
Location:	Right						
Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.31	2.82417	3.63	2.65	3.50
Ammonium (NH ₄ -N)	mg/l	12	0.03744	0.19169	0.35178	0.1615	0.3307
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	6	1.5	1.75	2	2.00	2.00
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	2.045	5.12	1.54	5.08
COD (Cr)	mg/l	12	6.95	14.2375	22.83	14.91	20.94
COD (Mn)	mg/l	12	2.49	4.2525	10.71	3.51	5.27
Cadmium (Cd)	µg/l	6	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	11	< 0.075	0.14455	0.84	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	40.08	50.89167	68.13	48.34	63.11
Chloride (Cl ⁻)	mg/l	12	19.59	78.85	225.77	28.75	194.63
Chromium (Cr) - total	µg/l	6	< 0.5	0.59983	1.099	1.099	1.099
Chromium (Cr), total	µg/l	11	< 0.5	1.11909	3.21	0.50	2.50
Conductivity	µS/cm	12	339	549.75	1028	412.00	998.00
Copper (Cu)	µg/l	6	12.82	25.61867	40.3	40.30	40.30
Copper (Cu), dissolved	µg/l	11	1.9	5.80682	11.17	6.08	10.331
Dissolved oxygen	mg/l	12	6.4	9.04417	12.26	7.85	6.70
Iron (Fe)	mg/l	8	< 0.015	0.34238	0.522	0.522	0.522
Lead (Pb)	µg/l	6	0.75	1.325	3.1	3.10	3.10
Lead (Pb), dissolved	µg/l	11	0.75	1.14545	2.9	0.75	2.10
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.13	2.2	2.27		
Magnesium (Mg ⁺⁺)	mg/l	12	8.75	16.505	31.77	13.13	27.37
Manganese (Mn)	mg/l	8	< 0.015	0.01688	0.03	0.03	0.03
Mercury (Hg)	µg/l	7	< 0.0075	< 0.0075	<0.0075	0.0075	0.0075
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	6	< 0.5	1.57167	4.471	4.471	4.471
Nickel (Ni), dissolved	µg/l	11	< 0.5	0.61227	1.735	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	12	0.4845	1.00115	1.76958	0.8091	1.6001
Nitrite (NO ₂ -N)	mg/l	12	0.00304	0.02035	0.0368	0.0179	0.0319
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.03102	0.05379	0.03	0.0509
Petroleum hydrocarbons	mg/l	5	< 0.0625	< 0.0625	<0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	28.03	28.03	28.03		
Potassium (K ⁺)	mg/l	6	2.3	3.26667	6.1	6.10	6.10
Sodium (Na ⁺)	mg/l	6	12.9	31.76667	108.5	108.50	108.50

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	5	18.02	33.092	42.64	42.64	42.64
Suspended solids	mg/l	12	4.8	24.23333	64.4	14.40	53.60
Temperature	°C	12	4	16.905	26.7	18.30	25.80
Total nitrogen	mg/l	7	1.13	1.8	2.36	2.36	2.36
Total phosphorus	mg/l	12	0.052	0.09617	0.261	0.073	0.117
Zinc (Zn)	µg/l	6	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.23	7.89333	8.6	7.82	7.43

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.41	2.91917	3.5	2.81	3.43
Ammonium (NH4-N)	mg/l	12	0.03978	0.16419	0.32448	0.1217	0.2675
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	5	1.3	1.54	1.8	1.80	1.80
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	1.70583	3.61	1.46	2.68
COD (Cr)	mg/l	12	6.95	17.0275	35.76	15.22	33.32
COD (Mn)	mg/l	12	2.11	3.37583	4.63	2.97	4.22
Cadmium (Cd)	µg/l	7	< 0.075	0.147	0.579	0.579	0.579
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	37.86	50.2225	67.33	46.26	63.94
Chloride (Cl-)	mg/l	12	18.21	22.95833	31.11	20.24	30.75
Chromium (Cr) - total	µg/l	7	< 0.5	0.83571	1.9	1.90	1.90
Chromium (Cr), total	µg/l	11	< 0.5	0.76364	1.6	0.50	1.50
Conductivity	µS/cm	12	339	412.41667	500	401.00	497.00
Copper (Cu)	µg/l	7	2.5	23.21	37.32	37.32	37.32
Copper (Cu), dissolved	µg/l	11	1.7	5.04545	12.03	4.42	10.03
Dissolved oxygen	mg/l	12	6.54	9.28083	12.66	8.69	6.70
Iron (Fe)	mg/l	8	< 0.015	0.459	0.75	0.75	0.75
Lead (Pb)	µg/l	7	0.75	2.35857	3.39	3.39	3.39
Lead (Pb), dissolved	µg/l	10	0.75	1.042	2.22	2.22	2.22
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.19	2.21	2.23		
Magnesium (Mg++)	mg/l	12	8.75	13.44417	18.48	12.22	17.63
Manganese (Mn)	mg/l	8	< 0.015	0.02025	0.036	0.036	0.036
Mercury (Hg)	µg/l	8	< 0.0075	0.01281	0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	7	< 0.5	1.39	2.87	2.87	2.87
Nickel (Ni), dissolved	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.37968	1.02472	1.7289	0.9899	1.6588
Nitrite (NO2-N)	mg/l	12	0.00304	0.01829	0.0301	0.0192	0.0301
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03218	0.0877	0.029	0.0427
Petroleum hydrocarbons	mg/l	5	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	10.32	17.95	25.58		
Potassium (K+)	mg/l	6	2.2	2.68333	3.3	3.30	3.30
Sodium (Na+)	mg/l	6	12.5	17.28333	23.5	23.50	23.50

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	29.82	35.4625	39.16	39.16	39.16
Suspended solids	mg/l	12	6	67.81667	528	12.40	98.00
Temperature	°C	12	3.5	16.83333	27.8	18.10	26.50
Total nitrogen	mg/l	7	1.5	1.82714	2.38	2.38	2.38
Total phosphorus	mg/l	12	0.046	0.09508	0.244	0.08	0.128
Zinc (Zn)	µg/l	7	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.18	8.09583	8.77	8.09	7.50

River: Danube **Catchment:** 817000 km² **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.25	2.77833	3.39	2.75	3.21
Ammonium (NH ₄ -N)	mg/l	12	0.03198	0.15971	0.32058	0.1186	0.2566
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	5	1.4	1.5	1.7	1.70	1.70
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	<0.0175	0.0175	0.0175
BOD (5)	mg/l	12	0.72	1.71667	3.65	1.61	2.51
COD (Cr)	mg/l	12	6.95	14.70917	33.88	6.95	31.41
COD (Mn)	mg/l	12	1.98	3.28667	4.54	2.84	4.16
Cadmium (Cd)	µg/l	7	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca ⁺⁺)	mg/l	12	37.06	48.07167	64.12	44.66	60.62
Chloride (Cl ⁻)	mg/l	12	16.06	21.98167	30.33	19.19	29.93
Chromium (Cr) - total	µg/l	7	< 0.5	0.81643	2	2.00	2.00
Chromium (Cr), total	µg/l	11	< 0.5	0.83855	1.9	0.50	1.40
Conductivity	µS/cm	12	338	404.58333	496	368.00	483.00
Copper (Cu)	µg/l	7	2.5	25.1	38.74	38.74	38.74
Copper (Cu), dissolved	µg/l	11	1.5	5.56091	12.78	5.09	12.03
Dissolved oxygen	mg/l	12	6.9	9.3925	12.59	8.56	7.30
Iron (Fe)	mg/l	8	< 0.015	0.4755	0.793	0.793	0.793
Lead (Pb)	µg/l	7	0.75	2.00286	4.29	4.29	4.29
Lead (Pb), dissolved	µg/l	10	0.75	0.925	2.5	2.50	2.50
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.22	2.225	2.23		
Magnesium (Mg ⁺⁺)	mg/l	12	10.21	13.565	19.45	12.22	17.63
Manganese (Mn)	mg/l	8	< 0.015	0.01688	0.03	0.03	0.03
Mercury (Hg)	µg/l	8	< 0.0075	0.01281	0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	7	< 0.5	1.17571	2.26	2.26	2.26
Nickel (Ni), dissolved	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	12	0.3896	0.99216	1.6498	0.9289	1.6204
Nitrite (NO ₂ -N)	mg/l	12	0.00304	0.01732	0.031	0.017	0.031
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0035	0.03087	0.09	0.0271	0.0378
Petroleum hydrocarbons	mg/l	5	< 0.0625	< 0.0625	<0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	15.74	17.46	19.18		
Potassium (K ⁺)	mg/l	6	2.2	2.65	3.4	3.40	3.40
Sodium (Na ⁺)	mg/l	6	12.4	17.23333	23.7	23.70	23.70

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	34.15	37.0375	38.11	38.11	38.11
Suspended solids	mg/l	12	6	64.35	504	12.40	94.40
Temperature	°C	12	3.5	16.69167	27.2	18.00	26.40
Total nitrogen	mg/l	7	1.42	1.791	2.45	2.45	2.45
Total phosphorus	mg/l	12	0.0239	0.07366	0.124	0.073	0.112
Zinc (Zn)	µg/l	7	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.2	8.09	8.72	8.05	7.72

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.36	2.83583	3.55	2.81	3.26
Ammonium (NH4-N)	mg/l	12	0.03354	0.16328	0.31902	0.1209	0.2777
Anionic active surfactants	mg/l	4	< 0.05	< 0.05	< 0.05	0.05	0.05
Arsenic (As)	µg/l	5	1.4	1.48	1.7	1.70	1.70
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	12	< 0.0175	< 0.0175	< 0.0175	0.0175	0.0175
BOD (5)	mg/l	12	< 0.25	1.8025	3.67	1.74	2.60
COD (Cr)	mg/l	12	6.95	17.18917	35.76	15.28	33.32
COD (Mn)	mg/l	12	2.05	3.37583	4.6	2.97	4.19
Cadmium (Cd)	µg/l	7	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	11	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	37.06	48.815	64.92	44.66	63.11
Chloride (Cl-)	mg/l	12	17.23	22.2075	30.32	19.19	29.54
Chromium (Cr) - total	µg/l	7	< 0.5	1.11286	3.09	3.09	3.09
Chromium (Cr), total	µg/l	11	< 0.5	0.76364	1.6	0.50	1.50
Conductivity	µS/cm	12	337	404.91667	496	373.00	492.00
Copper (Cu)	µg/l	7	2.5	22.31857	33.6	33.60	33.60
Copper (Cu), dissolved	µg/l	11	1.4	5.22636	9.57	5.99	8.92
Dissolved oxygen	mg/l	12	7	9.53417	12.61	8.64	7.92
Iron (Fe)	mg/l	8	< 0.015	0.439	0.64	0.64	0.64
Lead (Pb)	µg/l	7	0.75	2.06286	2.69	2.69	2.69
Lead (Pb), dissolved	µg/l	10	0.75	1.023	2.6	2.60	2.60
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	< 0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	2	2.19	2.25	2.31		
Magnesium (Mg++)	mg/l	12	9.72	13.73	19.45	12.22	17.63
Manganese (Mn)	mg/l	8	< 0.015	0.01688	0.03	0.03	0.03
Mercury (Hg)	µg/l	8	< 0.0075	0.01281	0.05	0.05	0.05
Mercury (Hg), dissolved	µg/l	5	< 0.0075	0.0415	0.05	0.05	0.05
Nickel (Ni)	µg/l	7	< 0.5	0.92857	2.31	2.31	2.31
Nickel (Ni), dissolved	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.4296	1.02735	1.69952	0.9695	1.6792
Nitrite (NO2-N)	mg/l	12	< 0.0015	0.01808	0.03496	0.0179	0.0331
Orthophosphate (PO4-P)	mg/l	12	< 0.0035	0.03218	0.0919	0.0287	0.0388
Petroleum hydrocarbons	mg/l	5	< 0.0625	< 0.0625	< 0.0625	0.0625	0.0625
Phenol index	mg/l	4	< 0.0025	0.00313	0.005	0.005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	2	13.78	14.24	14.7		
Potassium (K+)	mg/l	6	2.3	2.71667	3.3	3.30	3.30
Sodium (Na+)	mg/l	6	12.6	17.25	23.3	23.30	23.30

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 0 **Altitude:** 1 m **RO8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO4--)	mg/l	4	30.26	35.59	39	39.00	39.00
Suspended solids	mg/l	12	8.4	69.63333	542	17.60	96.80
Temperature	°C	12	3.5	16.71667	27.1	18.00	26.50
Total nitrogen	mg/l	7	1.5	1.83571	2.53	2.53	2.53
Total phosphorus	mg/l	12	0.051	0.09458	0.249	0.078	0.126
Zinc (Zn)	µg/l	7	37.5	37.5	37.5	37.50	37.50
Zinc (Zn), dissolved	µg/l	11	37.5	37.5	37.5	37.50	37.50
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.15	8.08917	8.73	8.10	7.56

River: Arges **Catchment:** 12550 km2 **2012**
Distance from mouth: 0 **Altitude:** 14 m **RO9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.888	3.97842	4.834	4.008	4.524
Ammonium (NH4-N)	mg/l	12	0.366	3.88367	7.389	3.663	6.706
Anionic active surfactants	mg/l	11	< 0.05	0.17627	0.52	0.161	0.233
Arsenic (As)	µg/l	12	< 0.5	1.6	3	1.40	2.60
Arsenic (As), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Atrazine	µg/l	11	< 0.0175	0.17718	1.04	0.0175	0.672
BOD (5)	mg/l	12	3.88	5.20667	6.72	5.20	6.30
COD (Cr)	mg/l	12	21.3	32.76917	46.27	30.72	46.08
COD (Mn)	mg/l	12	4.84	7.0075	8.83	6.91	8.61
Cadmium (Cd)	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Cadmium (Cd), dissolved	µg/l	12	< 0.075	< 0.075	< 0.075	0.075	0.075
Calcium (Ca++)	mg/l	12	54.58	75.19833	91.36	75.75	85.50
Chloride (Cl-)	mg/l	12	29.289	48.92467	64.11	51.136	61.166
Chromium (Cr) - total	µg/l	12	< 0.5	1.66667	2.6	1.60	2.50
Chromium (Cr), total	µg/l	12	< 0.5	0.9	1.9	0.50	1.50
Conductivity	µS/cm	12	411	534.58333	614	551.00	609.00
Copper (Cu)	µg/l	12	1.3	3.29167	6.1	2.50	6.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.89167	5.6	1.30	4.60
Dissolved oxygen	mg/l	12	5.17	7.79917	11.93	7.20	6.12
Lead (Pb)	µg/l	12	< 0.15	0.54833	1.8	0.42	1.10
Lead (Pb), dissolved	µg/l	12	< 0.15	0.17833	0.49	0.15	0.15
Lindane (gama-HCH)	µg/l	12	< 0.00425	< 0.00425	<0.00425	0.0042	0.0042
Macrozoobenthos sapr. index	-	1	11.84	11.84	11.84		
Magnesium (Mg++)	mg/l	12	10.92	15.03917	18.27	15.15	17.10
Nickel (Ni)	µg/l	12	3	11.025	31	4.70	31.00
Nickel (Ni), dissolved	µg/l	12	2.1	8.81667	25	4.30	21.00
Nitrate (NO3-N)	mg/l	12	0.014	0.6935	2.228	0.554	1.884
Nitrite (NO2-N)	mg/l	12	0.022	0.08833	0.201	0.085	0.131
Orthophosphate (PO4-P)	mg/l	12	0.1	0.40625	1.054	0.312	0.718
Phenol index	mg/l	11	< 0.0025	0.00273	0.005	0.0025	0.0025
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	1.89	1.89	1.89		
Potassium (K+)	mg/l	12	2.5	3.64167	5.4	3.50	4.30
Sodium (Na+)	mg/l	12	18.8	28.88333	35.6	28.40	33.50
Sulphate (SO4--)	mg/l	12	38.611	61.30408	69.708	61.65	67.642
Suspended solids	mg/l	12	23	69.925	180	44.00	158.00
TOC	mg/l	12	4.307	6.24492	8.41	6.087	7.609
Temperature	°C	12	1.5	16	29.5	16.00	28.00
Total nitrogen	mg/l	12	1.188	5.80917	9.997	6.407	8.916

River: Arges **Catchment:** 12550 km2 **2012**
Distance from mouth: 0 **Altitude:** 14 m **RO9**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.15	0.5385	1.442	0.424	0.976
Zinc (Zn)	µg/l	12	3.4	7.075	13	6.20	10.00
Zinc (Zn), dissolved	µg/l	12	1.9	4.03333	8.6	3.10	6.60
p,p'-DDT	µg/l	12	< 0.0025	< 0.0025	<0.0025	0.0025	0.0025
pH	-	12	7.18	7.45667	7.75	7.43	7.29

River: Danube **Catchment:** 210250 km² **2012**
Distance from mouth: 1427 **Altitude:** 83 m **RS1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.44	3.035	3.6	3.08	3.52
Aluminium (Al), dissolved	µg/l	12	10.2	28.375	93.4	21.50	42.80
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.04875	0.2	0.03	0.08
Anionic active surfactants	mg/l	12	0.012	0.02033	0.042	0.015	0.029
Arsenic (As), dissolved	µg/l	12	0.8	1.175	1.5	1.20	1.40
Atrazine	µg/l	12	< 0.0005	0.00717	0.013	0.007	0.013
BOD (5)	mg/l	12	1	1.91667	3.2	1.60	2.90
COD (Cr)	mg/l	12	6	11.75	20	11.00	16.00
COD (Mn)	mg/l	12	2.9	4.33333	6.6	3.90	5.30
Cadmium (Cd), dissolved	µg/l	12	< 0.0125	0.01708	0.05	0.0125	0.03
Calcium (Ca ⁺⁺)	mg/l	12	42.4	53.625	69	55.00	64.00
Chloride (Cl ⁻)	mg/l	12	14.2	19.75833	30.2	18.20	25.00
Chromium (Cr), total	µg/l	12	< 0.25	0.27083	0.5	0.25	0.25
Conductivity	µS/cm	12	316	414.83333	528	409.00	492.00
Copper (Cu), dissolved	µg/l	12	1.2	2.85833	6.1	2.30	5.00
Dissolved oxygen	mg/l	12	7.8	10.57	13.24	10.80	7.90
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	11	< 0.0005	0.00064	0.002	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	12	8	10.61667	16.4	9.10	14.10
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	12	0.5	16.875	136.3	1.10	52.00
Nitrate (NO ₃ -N)	mg/l	12	1.03	1.68667	2.85	1.37	2.70
Nitrite (NO ₂ -N)	mg/l	12	0.007	0.01475	0.033	0.01	0.027
Organic nitrogen	mg/l	12	< 0.05	0.521	1.223	0.35	1.137
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.03813	0.057	0.047	0.053
Petroleum hydrocarbons	mg/l	12	< 0.005	0.01458	0.028	0.013	0.024
Phenol index	mg/l	12	< 0.0005	0.00154	0.006	0.0005	0.005
Phytoplankton (biomass - chlorophyll-a)	µg/l	12	2.4	14.30833	48.6	5.90	44.40
Potassium (K ⁺)	mg/l	12	1.6	2.31667	3.6	2.00	3.10
Silicates(SiO ₂), dissolved	mg/l	12	2.2	6.03333	7.8	6.00	7.40
Sodium (Na ⁺)	mg/l	12	7.9	12.675	18.9	11.40	18.30
Sulphate (SO ₄ ⁻⁻)	mg/l	12	19	29.16667	48	26.00	41.00
Suspended solids	mg/l	12	9	32.83333	61	27.00	53.00
TOC	mg/l	12	2.6	4.09167	7.5	3.70	6.60
Temperature	°C	12	1.8	13.28333	23.6	10.80	22.60
Total nitrogen	mg/l	12	1.4	2.2725	3.4	2.08	3.30
Total phosphorus	mg/l	12	0.083	0.11383	0.19	0.091	0.156
Zinc (Zn), dissolved	µg/l	12	2.1	13.73333	46.4	10.80	20.10

River: Danube **Catchment:** 210250 km2 **2012**
Distance from mouth: 1427 **Altitude:** 83 m **RS1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	12	7.95	8.17833	8.6	8.15	8.00

River: Tisa **Catchment:** 140130 km² **2012**
Distance from mouth: 152 **Altitude:** 76 m **RS10**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.84	2.57909	3.29	2.72	3.15
Aluminium (Al), dissolved	µg/l	11	< 5	19.85455	44.7	22.80	28.00
Ammonium (NH ₄ -N)	mg/l	11	< 0.005	0.08818	0.18	0.09	0.18
Anionic active surfactants	mg/l	11	< 0.005	0.01527	0.035	0.011	0.034
Arsenic (As), dissolved	µg/l	11	1	1.73636	2.9	1.70	2.70
Atrazine	µg/l	11	< 0.0005	0.01005	0.016	0.01	0.016
BOD (5)	mg/l	11	1.1	1.75455	2.2	1.90	2.10
COD (Cr)	mg/l	10	6	11.5	25	25.00	25.00
COD (Mn)	mg/l	11	2.7	3.89091	6.3	3.90	4.50
Cadmium (Cd), dissolved	µg/l	11	< 0.0125	0.01409	0.03	0.0125	0.0125
Calcium (Ca ⁺⁺)	mg/l	11	33	45.61818	53.7	47.20	52.30
Chloride (Cl ⁻)	mg/l	11	16	34.33636	54.9	33.10	51.70
Chromium (Cr), total	µg/l	11	< 0.25	0.34545	0.7	0.25	0.60
Conductivity	µS/cm	11	272	440.45455	607	445.00	560.00
Copper (Cu), dissolved	µg/l	11	1.2	2.45455	3.9	2.00	3.80
Dissolved oxygen	mg/l	11	6.6	9.55455	12.3	8.90	7.40
Lead (Pb), dissolved	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	11	< 0.0005	0.00064	0.002	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	11	5	8.74545	12	8.60	11.00
Mercury (Hg), dissolved	µg/l	11	< 0.1	0.10909	0.2	0.10	0.10
Nickel (Ni), dissolved	µg/l	11	0.9	1.70909	5.1	1.30	2.90
Nitrate (NO ₃ -N)	mg/l	11	0.05	0.88182	1.78	1.02	1.46
Nitrite (NO ₂ -N)	mg/l	11	0.005	0.016	0.029	0.015	0.027
Organic nitrogen	mg/l	11	< 0.05	0.44782	0.933	0.352	0.805
Orthophosphate (PO ₄ -P)	mg/l	11	0.012	0.03236	0.05	0.037	0.045
Petroleum hydrocarbons	mg/l	11	< 0.005	0.01309	0.025	0.012	0.021
Phenol index	mg/l	11	< 0.0005	0.00114	0.004	0.0005	0.004
Phytoplankton (biomass - chlorophyll-a)	µg/l	11	< 0.5	11.95727	24.9	11.85	22.51
Potassium (K ⁺)	mg/l	11	1.3	3.35455	5.2	3.50	4.60
Silicates(SiO ₂), dissolved	mg/l	11	1	7.71818	10	8.60	9.60
Sodium (Na ⁺)	mg/l	11	15.5	28.6	41.9	30.40	39.80
Sulphate (SO ₄ ⁻⁻)	mg/l	11	30	39.63636	66	35.00	51.00
Suspended solids	mg/l	11	10	53.09091	340	20.00	86.00
TOC	mg/l	11	2.1	7.30909	32.4	4.10	9.70
Temperature	°C	11	2	14.30909	26.2	16.00	25.50
Total nitrogen	mg/l	11	0.45	1.43727	2.9	1.48	2.03
Total phosphorus	mg/l	11	0.084	0.10591	0.152	0.098	0.131
Zinc (Zn), dissolved	µg/l	11	2.7	14.08182	22.3	16.00	22.10

River: Tisa **Catchment:** 140130 km² **2012**
Distance from mouth: 152 **Altitude:** 76 m **RS10**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	11	7.7	8.00364	8.23	8.00	7.80

River: Tisa
Distance from mouth: 66
Location: Left

Catchment: 145415 km²
Altitude: 74 m

2012
RS11

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.78	2.56917	3.22	2.55	3.20
Aluminium (Al), dissolved	µg/l	12	< 5	20.48333	49.2	14.70	48.10
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.12125	0.43	0.10	0.16
Anionic active surfactants	mg/l	12	< 0.005	0.01958	0.04	0.019	0.036
Arsenic (As), dissolved	µg/l	12	0.9	1.775	2.9	1.90	2.50
Atrazine	µg/l	12	< 0.0005	0.00783	0.016	0.008	0.013
BOD (5)	mg/l	12	1.1	1.8	3.1	1.60	2.70
COD (Cr)	mg/l	12	8	10.25	14	9.00	14.00
COD (Mn)	mg/l	12	3.1	4.03333	5.5	3.90	4.80
Cadmium (Cd), dissolved	µg/l	12	< 0.0125	0.01396	0.03	0.0125	0.0125
Calcium (Ca ⁺⁺)	mg/l	12	32	46.50833	61	44.60	57.30
Chloride (Cl ⁻)	mg/l	12	13.3	33.9	52.2	30.80	52.10
Chromium (Cr), total	µg/l	12	< 0.25	0.34167	1.1	0.25	0.50
Conductivity	µS/cm	12	265	441.58333	616	438.00	572.00
Copper (Cu), dissolved	µg/l	12	1.5	4.4	12.7	3.80	6.10
Dissolved oxygen	mg/l	12	5.2	9.03333	13.1	8.40	5.70
Lead (Pb), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	12	6	8.44167	11	8.00	11.00
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	12	1	7.24167	25.3	1.50	24.50
Nitrate (NO ₃ -N)	mg/l	12	0.32	1.00833	2.11	0.87	1.61
Nitrite (NO ₂ -N)	mg/l	12	0.012	0.02192	0.038	0.02	0.032
Organic nitrogen	mg/l	12	0.122	0.61308	2.503	0.334	1.198
Orthophosphate (PO ₄ -P)	mg/l	12	0.032	0.05342	0.081	0.05	0.069
Petroleum hydrocarbons	mg/l	10	0.013	0.0218	0.033	0.033	0.033
Phenol index	mg/l	12	< 0.0005	0.00079	0.004	0.0005	0.0005
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	5.9	8.61667	11.8	11.80	11.80
Potassium (K ⁺)	mg/l	12	2.4	3.53333	5.1	3.20	4.50
Silicates(SiO ₂), dissolved	mg/l	12	4.5	8.475	10.1	8.80	10.10
Sodium (Na ⁺)	mg/l	12	16.7	30.01667	46.5	30.80	39.20
Sulphate (SO ₄ ⁻⁻)	mg/l	12	26	39.66667	70	34.00	58.00
Suspended solids	mg/l	12	7	21	53	17.00	38.00
TOC	mg/l	12	2.2	4.61083	8.4	4.10	6.90
Temperature	°C	12	0.6	14.58333	28	11.70	27.40
Total nitrogen	mg/l	12	0.63	1.76583	4.3	1.50	3.20
Total phosphorus	mg/l	12	0.082	0.1225	0.22	0.112	0.174
Zinc (Zn), dissolved	µg/l	12	7.4	26.36667	39.8	25.90	32.80

River: Tisa **Catchment:** 145415 km2 **2012**
Distance from mouth: 66 **Altitude:** 74 m **RS11**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	12	7.6	7.82667	8.05	7.78	7.60

River: Tisa
Distance from mouth: 9
Location: Middle
Catchment: 157147 km²
Altitude: 73 m
2012
RS12

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	1.82	2.59636	3.25	2.68	3.04
Aluminium (Al), dissolved	µg/l	9	< 5	56.77778	342.2	342.20	342.20
Ammonium (NH ₄ -N)	mg/l	11	0.04	0.10091	0.18	0.08	0.17
Anionic active surfactants	mg/l	11	< 0.005	0.01955	0.042	0.015	0.04
Arsenic (As), dissolved	µg/l	9	1	2.02222	3.1	3.10	3.10
Atrazine	µg/l	9	< 0.0005	0.00906	0.03	0.03	0.03
BOD (5)	mg/l	11	1.2	2.27273	4	2.30	2.90
COD (Cr)	mg/l	10	8	11.7	23	23.00	23.00
COD (Mn)	mg/l	11	3.2	4.67273	6.3	4.30	6.30
Cadmium (Cd), dissolved	µg/l	9	< 0.0125	0.02167	0.06	0.06	0.06
Calcium (Ca ⁺⁺)	mg/l	11	33	44.02727	53.3	42.80	52.10
Chloride (Cl ⁻)	mg/l	11	13.7	33.94545	54.9	37.50	50.70
Chromium (Cr), total	µg/l	9	< 0.25	0.60556	3.2	3.20	3.20
Conductivity	µS/cm	11	282	449.81818	623	450.00	557.00
Copper (Cu), dissolved	µg/l	9	1.8	5.17778	16.4	16.40	16.40
Dissolved oxygen	mg/l	11	6.9	9.53636	13.6	8.70	7.30
Lead (Pb), dissolved	µg/l	9	< 0.25	0.4	1.6	1.60	1.60
Lindane (gama-HCH)	µg/l	9	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	11	6	10.39091	20.4	9.40	15.70
Mercury (Hg), dissolved	µg/l	10	< 0.1	0.12	0.3	0.30	0.30
Nickel (Ni), dissolved	µg/l	9	0.9	11.47778	69	69.00	69.00
Nitrate (NO ₃ -N)	mg/l	11	0.28	0.90727	1.61	0.84	1.53
Nitrite (NO ₂ -N)	mg/l	11	0.015	0.02645	0.052	0.024	0.038
Organic nitrogen	mg/l	11	0.125	0.36173	0.712	0.303	0.638
Orthophosphate (PO ₄ -P)	mg/l	11	0.026	0.04964	0.094	0.05	0.055
Petroleum hydrocarbons	mg/l	11	< 0.005	0.01891	0.032	0.02	0.031
Phenol index	mg/l	11	< 0.0005	0.00127	0.005	0.0005	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	8.5	24.13333	44.8	44.80	44.80
Potassium (K ⁺)	mg/l	11	2.1	3.55455	5	3.30	4.40
Silicates(SiO ₂), dissolved	mg/l	11	6.6	8.44545	10.3	8.50	10.00
Sodium (Na ⁺)	mg/l	11	16.3	29.54545	44.7	31.40	36.80
Sulphate (SO ₄ ⁻⁻)	mg/l	11	27	39.81818	65	36.00	52.00
Suspended solids	mg/l	11	4	24.36364	62	20.00	52.00
TOC	mg/l	11	2.5	4.58182	7.2	4.80	5.90
Temperature	°C	11	2.2	15.78182	28.5	18.80	27.40
Total nitrogen	mg/l	11	0.64	1.39636	2.04	1.44	2.00
Total phosphorus	mg/l	11	0.083	0.13255	0.217	0.12	0.201
Zinc (Zn), dissolved	µg/l	9	4.1	26.33333	67.7	67.70	67.70

River: Tisa **Catchment:** 157147 km2 **2012**
Distance from mouth: 9 **Altitude:** 73 m **RS12**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	9	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	11	7.8	7.99364	8.26	8.00	7.90

River: Sava **Catchment:** 64073 km2 **2012**
Distance from mouth: 195 **Altitude:** 78 m **RS13**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.26	3.67273	4.28	3.80	4.00
Aluminium (Al), dissolved	µg/l	11	< 5	22.52727	99.4	10.00	61.50
Ammonium (NH4-N)	mg/l	11	0.02	0.10364	0.17	0.11	0.16
Anionic active surfactants	mg/l	8	< 0.005	0.0075	0.01	0.01	0.01
Arsenic (As), dissolved	µg/l	11	< 0.1	1.10909	3.1	0.90	1.60
Atrazine	µg/l	11	< 0.0005	0.00523	0.01	0.007	0.008
BOD (5)	mg/l	11	0.6	1.45182	2.08	1.56	2.00
COD (Cr)	mg/l	4	6	12.2	16	16.00	16.00
COD (Mn)	mg/l	11	1.6	2.79455	3.3	3.00	3.20
Cadmium (Cd), dissolved	µg/l	11	< 0.0125	0.06455	0.24	0.04	0.16
Calcium (Ca++)	mg/l	11	56	67.35455	80	64.90	73.00
Chloride (Cl-)	mg/l	11	12.7	21.06364	36	20.00	25.00
Chromium (Cr), total	µg/l	11	< 0.25	2.4	12.4	0.80	7.50
Conductivity	µS/cm	11	379	434.18182	535	410.00	500.00
Copper (Cu), dissolved	µg/l	11	1.8	4.59091	9.4	3.80	8.50
Dissolved oxygen	mg/l	11	7.4	8.78909	12.59	8.00	7.61
Lead (Pb), dissolved	µg/l	11	< 0.25	0.43182	2	0.25	0.50
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	9	12.31091	16	12.00	15.02
Mercury (Hg), dissolved	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	11	0.9	2.72727	8.3	1.80	5.80
Nitrate (NO3-N)	mg/l	11	0.1	0.52455	1	0.50	0.90
Nitrite (NO2-N)	mg/l	11	0.008	0.01745	0.029	0.014	0.029
Organic nitrogen	mg/l	11	0.194	0.68709	1.353	0.626	1.161
Orthophosphate (PO4-P)	mg/l	11	0.018	0.03873	0.06	0.037	0.057
Petroleum hydrocarbons	mg/l	11	< 0.005	0.00945	0.019	0.011	0.015
Phenol index	mg/l	11	< 0.001	0.00136	0.003	0.001	0.002
Potassium (K+)	mg/l	7	1.2	1.49857	2	2.00	2.00
Silicates(SiO2), dissolved	mg/l	10	4.1	5.08	6.7	6.70	6.70
Sodium (Na+)	mg/l	7	6.2	10.78571	13.7	13.70	13.70
Sulphate (SO4--)	mg/l	11	12	20.81818	33	19.00	29.00
Suspended solids	mg/l	11	4	17.63636	42	14.00	31.00
TOC	mg/l	11	1.7	4.04545	7.7	3.70	5.70
Temperature	°C	11	4.8	15.55455	27.9	15.70	27.20
Total nitrogen	mg/l	11	0.74	1.33273	2.18	1.28	1.80
Total phosphorus	mg/l	11	0.051	0.14	0.326	0.106	0.314
Zinc (Zn), dissolved	µg/l	11	2.5	6.19091	12.2	4.90	9.80
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005

River: Sava **Catchment:** 64073 km2 **2012**
Distance from mouth: 195 **Altitude:** 78 m **RS13**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	11	7.84	8.13545	8.56	8.14	7.96

River: Sava **Catchment:** 89490 km2 **2012**
Distance from mouth: 103 **Altitude:** 74 m **RS15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.15	3.47818	3.97	3.50	3.80
Aluminium (Al), dissolved	µg/l	11	< 5	20.05455	89.9	10.00	33.20
Ammonium (NH4-N)	mg/l	11	0.02	0.07818	0.14	0.09	0.13
Anionic active surfactants	mg/l	7	< 0.005	0.00571	0.01	0.01	0.01
Arsenic (As), dissolved	µg/l	11	< 0.1	2.53636	15.8	1.20	2.40
Atrazine	µg/l	11	< 0.0005	0.00505	0.009	0.006	0.009
BOD (5)	mg/l	11	1.03	1.46182	2.05	1.48	1.75
COD (Cr)	mg/l	4	7.4	11.975	17	17.00	17.00
COD (Mn)	mg/l	11	1.5	2.79	3.63	3.00	3.24
Cadmium (Cd), dissolved	µg/l	11	< 0.0125	0.10864	0.33	0.05	0.30
Calcium (Ca++)	mg/l	11	44	61.1	68	65.00	68.00
Chloride (Cl-)	mg/l	11	11	15.44636	20	15.00	18.00
Chromium (Cr), total	µg/l	11	< 0.25	1.53182	11.2	0.50	1.30
Conductivity	µS/cm	11	333	376.63636	406	380.00	405.00
Copper (Cu), dissolved	µg/l	11	1.2	10.40909	42.6	4.30	33.90
Dissolved oxygen	mg/l	11	7.25	9.31545	12.96	9.10	7.50
Lead (Pb), dissolved	µg/l	11	< 0.25	0.37727	1.2	0.25	0.70
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	2	10.35364	16	10.00	14.00
Mercury (Hg), dissolved	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	11	1	2.51818	9.6	1.80	3.30
Nitrate (NO3-N)	mg/l	11	0.1	0.48182	1	0.40	0.90
Nitrite (NO2-N)	mg/l	11	0.005	0.015	0.025	0.015	0.021
Organic nitrogen	mg/l	11	0.195	0.57227	1.275	0.489	0.853
Orthophosphate (PO4-P)	mg/l	11	0.026	0.04155	0.08	0.039	0.048
Petroleum hydrocarbons	mg/l	11	< 0.005	0.00745	0.011	0.005	0.011
Phenol index	mg/l	4	< 0.001	0.0015	0.002	0.002	0.002
Potassium (K+)	mg/l	5	1.1	1.284	1.5	1.50	1.50
Silicates(SiO2), dissolved	mg/l	9	4.3	6.01111	7.7	7.70	7.70
Sodium (Na+)	mg/l	5	5.9	7.56	9.2	9.20	9.20
Sulphate (SO4--)	mg/l	11	12	23.36364	61	20.00	27.00
Suspended solids	mg/l	11	4	14.36364	43	11.00	24.00
TOC	mg/l	11	1.8	3.57273	5	4.00	4.60
Temperature	°C	11	3.4	14.93636	26.8	14.60	26.60
Total nitrogen	mg/l	11	0.49	1.14727	1.6	1.15	1.55
Total phosphorus	mg/l	11	0.046	0.092	0.162	0.096	0.127
Zinc (Zn), dissolved	µg/l	11	1.8	11.35455	38.7	6.50	31.30
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005

River: Sava **Catchment:** 89490 km2 **2012**
Distance from mouth: 103 **Altitude:** 74 m **RS15**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	11	7.98	8.23273	8.64	8.18	8.00

River: Sava **Catchment:** 37320 km2 **2012**
Distance from mouth: 17 **Altitude:** 0 m **RS16**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3.11	3.62833	4.24	3.60	4.00
Aluminium (Al), dissolved	µg/l	12	< 5	10.15	17.5	10.30	14.00
Ammonium (NH4-N)	mg/l	12	< 0.005	0.06125	0.19	0.04	0.09
Anionic active surfactants	mg/l	10	< 0.005	0.007	0.01	0.01	0.01
Arsenic (As), dissolved	µg/l	12	0.8	1.59167	2.1	1.60	2.00
Atrazine	µg/l	12	< 0.0005	0.00533	0.01	0.006	0.01
BOD (5)	mg/l	12	0.97	1.67667	3.01	1.30	2.44
COD (Cr)	mg/l	4	8.8	11.575	16.3	16.30	16.30
COD (Mn)	mg/l	12	1.6	2.805	4.61	2.60	3.50
Cadmium (Cd), dissolved	µg/l	12	< 0.0125	0.13188	0.28	0.12	0.23
Calcium (Ca++)	mg/l	12	52	62.41667	71	63.00	68.00
Chloride (Cl-)	mg/l	12	7	18.91667	30	19.00	27.00
Chromium (Cr), total	µg/l	12	< 0.25	1.92083	7.4	1.00	4.80
Conductivity	µS/cm	12	332	401.5	450	399.00	426.00
Copper (Cu), dissolved	µg/l	12	2.2	8.95833	29.3	3.80	16.40
Dissolved oxygen	mg/l	12	7.88	9.52167	11.63	8.94	8.04
Lead (Pb), dissolved	µg/l	12	< 0.25	2.675	29.1	0.25	0.50
Lindane (gama-HCH)	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	12	7	11	15	11.00	14.00
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	12	1	1.80833	2.7	1.80	2.40
Nitrate (NO3-N)	mg/l	12	0.1	0.67083	1.4	0.60	1.05
Nitrite (NO2-N)	mg/l	12	< 0.0015	0.01421	0.024	0.013	0.023
Organic nitrogen	mg/l	12	< 0.05	0.65525	1.669	0.614	0.998
Orthophosphate (PO4-P)	mg/l	12	0.009	0.03192	0.07	0.024	0.055
Petroleum hydrocarbons	mg/l	12	< 0.005	0.01033	0.017	0.01	0.015
Phenol index	mg/l	5	< 0.001	0.0014	0.002	0.002	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	1	6.2	6.2	6.2		
Potassium (K+)	mg/l	8	0.85	1.21875	1.66	1.66	1.66
Silicates(SiO2), dissolved	mg/l	12	1.2	4.575	7	4.50	6.30
Sodium (Na+)	mg/l	9	5.4	8.07778	10.6	10.60	10.60
Sulphate (SO4--)	mg/l	12	16	22	37	19.00	35.00
Suspended solids	mg/l	12	2	12.25	55	7.00	19.00
TOC	mg/l	12	2.4	3.85	5.7	3.80	5.50
Temperature	°C	12	3.2	15.10833	26.9	11.80	26.30
Total nitrogen	mg/l	12	0.54	1.40667	2.78	1.38	1.90
Total phosphorus	mg/l	12	0.019	0.09692	0.374	0.056	0.245
Zinc (Zn), dissolved	µg/l	12	3	11	29	9.60	17.40

River: Sava **Catchment:** 37320 km² **2012**
Distance from mouth: 17 **Altitude:** 0 m **RS16**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	12	8.08	8.26583	8.5	8.23	8.17

River: VelikaMorava **Catchment:** 37320 km2
Distance from mouth: 35 **Altitude:** 75 m **2012**
Location: Right **RS17**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.62	3.49727	4.72	3.45	4.28
Aluminium (Al), dissolved	µg/l	11	< 5	39.33636	186.4	21.20	78.10
Ammonium (NH4-N)	mg/l	11	0.059	0.16082	0.8	0.08	0.24
Anionic active surfactants	mg/l	7	< 0.005	0.01643	0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	11	1	3.22727	5.4	3.00	4.60
Atrazine	µg/l	11	< 0.0005	0.00732	0.023	0.004	0.015
BOD (5)	mg/l	11	1.33	2.76364	6.26	2.75	3.38
COD (Cr)	mg/l	5	19	29.06	48	48.00	48.00
COD (Mn)	mg/l	11	3.16	6.26091	14.18	5.21	9.62
Cadmium (Cd), dissolved	µg/l	11	< 0.0125	0.20432	1.57	0.05	0.15
Calcium (Ca++)	mg/l	11	28	49.59273	76.1	49.00	64.00
Chloride (Cl-)	mg/l	11	6	14.49909	21.5	16.95	19.64
Chromium (Cr), total	µg/l	11	< 0.25	3.18636	12.9	1.40	6.30
Conductivity	µS/cm	11	275	400.54545	560	373.00	526.00
Copper (Cu), dissolved	µg/l	11	2.2	12.56364	34.7	7.20	30.80
Dissolved oxygen	mg/l	11	6.27	9.72	11.45	10.07	8.32
Lead (Pb), dissolved	µg/l	11	< 0.25	0.57273	2.9	0.25	0.70
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	11	9	19.56364	32	18.00	31.20
Mercury (Hg), dissolved	µg/l	11	< 0.1	0.11818	0.3	0.10	0.10
Nickel (Ni), dissolved	µg/l	11	1.7	4.00909	11.6	3.30	5.60
Nitrate (NO3-N)	mg/l	11	0.2	0.7	1.5	0.80	1.10
Nitrite (NO2-N)	mg/l	11	0.006	0.03091	0.057	0.03	0.052
Organic nitrogen	mg/l	11	0.248	1.04009	1.874	0.924	1.525
Orthophosphate (PO4-P)	mg/l	11	0.015	0.07536	0.15	0.081	0.118
Petroleum hydrocarbons	mg/l	9	0.01	0.01689	0.025	0.025	0.025
Phenol index	mg/l	11	< 0.001	0.00145	0.004	0.001	0.002
Potassium (K+)	mg/l	4	2.67	5.7425	12.5	12.50	12.50
Silicates(SiO2), dissolved	mg/l	9	4.8	9.24444	13.8	13.80	13.80
Sodium (Na+)	mg/l	4	3.1	11.7	19.6	19.60	19.60
Sulphate (SO4--)	mg/l	11	23	36.90909	61	33.00	55.00
Suspended solids	mg/l	11	3	38.09091	99	20.00	99.00
TOC	mg/l	11	4	6.68182	11.4	5.60	11.00
Temperature	°C	11	0.3	14.84545	27.6	14.60	27.60
Total nitrogen	mg/l	11	1.19	1.93182	3.4	1.78	2.50
Total phosphorus	mg/l	11	0.08	0.21918	0.424	0.198	0.324
Zinc (Zn), dissolved	µg/l	11	3.7	12.65455	39.8	7.20	26.30
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005

River: Velika Morava **Catchment:** 37320 km² **2012**
Distance from mouth: 35 **Altitude:** 75 m **RS17**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	10	7.74	8.119	8.5	7.74	7.74

River: Danube
Distance from mouth: 1367
Location: Left

Catchment: 251253 km²
Altitude: 80 m

2012
RS2

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.52	2.98917	3.62	3.04	3.35
Aluminium (Al), dissolved	µg/l	11	< 5	19.23636	36.2	21.20	25.50
Ammonium (NH ₄ -N)	mg/l	12	< 0.005	0.03333	0.09	0.03	0.06
Anionic active surfactants	mg/l	12	< 0.005	0.01692	0.043	0.011	0.03
Arsenic (As), dissolved	µg/l	11	1	2.05455	5.7	1.40	3.80
Atrazine	µg/l	12	< 0.0005	0.00704	0.019	0.007	0.014
BOD (5)	mg/l	12	1.2	2.13333	3.3	1.80	3.00
COD (Cr)	mg/l	12	6	12	19	10.00	16.00
COD (Mn)	mg/l	12	2.6	4.46667	7.2	4.20	6.70
Cadmium (Cd), dissolved	µg/l	11	< 0.0125	0.02	0.05	0.0125	0.04
Calcium (Ca ⁺⁺)	mg/l	12	42	51.73333	65	53.00	56.00
Chloride (Cl ⁻)	mg/l	12	13.3	19.20833	26.4	18.40	25.50
Chromium (Cr), total	µg/l	11	< 0.25	0.28182	0.6	0.25	0.25
Conductivity	µS/cm	12	324	412	500	411.00	491.00
Copper (Cu), dissolved	µg/l	11	2.1	6.15455	23.9	3.80	8.60
Dissolved oxygen	mg/l	12	7.9	10.525	12.6	10.60	8.20
Lead (Pb), dissolved	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	12	7.3	11.39167	16	11.70	14.00
Mercury (Hg), dissolved	µg/l	11	< 0.1	0.10909	0.2	0.10	0.10
Nickel (Ni), dissolved	µg/l	11	0.9	15.95455	100.9	1.90	40.90
Nitrate (NO ₃ -N)	mg/l	12	0.71	1.575	2.82	1.36	2.54
Nitrite (NO ₂ -N)	mg/l	12	0.007	0.0145	0.028	0.011	0.024
Organic nitrogen	mg/l	11	0.206	0.696	2.749	0.432	1.159
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.0025	0.04521	0.074	0.047	0.073
Petroleum hydrocarbons	mg/l	12	< 0.005	0.01558	0.032	0.013	0.026
Phenol index	mg/l	12	< 0.0005	0.00183	0.006	0.0005	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	13.5	37.75	79	79.00	79.00
Potassium (K ⁺)	mg/l	12	1.8	2.41667	3.4	2.40	3.10
Silicates(SiO ₂), dissolved	mg/l	12	3.1	6.425	8.3	6.70	7.80
Sodium (Na ⁺)	mg/l	12	8.1	14.03333	24.3	11.40	20.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	22	31.75	50	29.00	46.00
Suspended solids	mg/l	12	4	31.16667	67	26.00	54.00
TOC	mg/l	12	2.9	4.3	6.5	4.00	5.00
Temperature	°C	12	2	13.34167	23.6	11.30	22.60
Total nitrogen	mg/l	11	1.17	2.30909	4.26	2.05	3.40
Total phosphorus	mg/l	12	0.071	0.11192	0.159	0.104	0.127
Zinc (Zn), dissolved	µg/l	11	12.6	23.73636	54	17.00	42.00

River: Danube **Catchment:** 251253 km2 **2012**
Distance from mouth: 1367 **Altitude:** 80 m **RS2**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	12	8	8.25333	8.7	8.19	8.02

River: Danube **Catchment:** 254085 km² **2012**
Distance from mouth: 1258 **Altitude:** 75 m **RS3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.4	2.82636	3.3	2.92	3.28
Aluminium (Al), dissolved	µg/l	11	< 5	22.13636	48.9	24.70	36.90
Ammonium (NH ₄ -N)	mg/l	11	0.03	0.05273	0.09	0.05	0.07
Anionic active surfactants	mg/l	11	< 0.005	0.01718	0.038	0.017	0.026
Arsenic (As), dissolved	µg/l	11	0.9	1.30909	2.1	1.20	1.50
Atrazine	µg/l	10	< 0.0005	0.0075	0.019	0.019	0.019
BOD (5)	mg/l	11	1.3	2.37273	3.2	2.50	3.00
COD (Cr)	mg/l	11	6	11.81818	26	10.00	17.00
COD (Mn)	mg/l	11	2.8	3.56364	4.1	3.90	4.00
Cadmium (Cd), dissolved	µg/l	11	< 0.0125	0.015	0.04	0.0125	0.0125
Calcium (Ca ⁺⁺)	mg/l	11	39	49.66364	61.7	49.90	59.00
Chloride (Cl ⁻)	mg/l	11	14.9	17.98182	26.1	17.10	23.70
Chromium (Cr), total	µg/l	11	< 0.25	0.35455	1.4	0.25	0.25
Conductivity	µS/cm	11	318	389.63636	506	388.00	458.00
Copper (Cu), dissolved	µg/l	11	< 0.5	2.23636	5.9	1.60	4.70
Dissolved oxygen	mg/l	11	7.6	10.28182	12.9	10.90	7.90
Lead (Pb), dissolved	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	10	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	11	9	11.55455	14.7	10.70	14.00
Mercury (Hg), dissolved	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	11	0.9	1.98182	5.8	1.20	4.30
Nitrate (NO ₃ -N)	mg/l	11	0.61	1.47091	2.67	1.22	2.20
Nitrite (NO ₂ -N)	mg/l	11	0.005	0.01045	0.026	0.008	0.019
Organic nitrogen	mg/l	11	< 0.05	0.51391	1.215	0.431	1.201
Orthophosphate (PO ₄ -P)	mg/l	11	0.013	0.04809	0.067	0.049	0.064
Petroleum hydrocarbons	mg/l	11	< 0.005	0.01645	0.031	0.017	0.021
Phenol index	mg/l	11	< 0.0005	0.00077	0.002	0.0005	0.002
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	11.8	55.08333	135.1	135.10	135.10
Potassium (K ⁺)	mg/l	11	1.6	2.11818	2.7	2.00	2.60
Silicates(SiO ₂), dissolved	mg/l	11	2	5.7	8.5	6.20	8.10
Sodium (Na ⁺)	mg/l	11	7.8	12.05455	22.4	10.30	16.80
Sulphate (SO ₄ ⁻⁻)	mg/l	11	19	30.90909	52	27.00	49.00
Suspended solids	mg/l	11	13	22.81818	42	22.00	30.00
TOC	mg/l	11	2.7	3.89091	5.5	4.00	5.00
Temperature	°C	11	1.4	13.76364	26	15.60	23.80
Total nitrogen	mg/l	11	1.15	2.04455	3.1	2.08	2.70
Total phosphorus	mg/l	11	0.081	0.115	0.143	0.109	0.139
Zinc (Zn), dissolved	µg/l	11	4.7	16.43636	29	15.70	28.80

River: Danube **Catchment:** 254085 km² **2012**
Distance from mouth: 1258 **Altitude:** 75 m **RS3**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	10	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	11	8	8.18545	8.4	8.10	8.04

River: Danube **Catchment:** 412762 km2 **2012**
Distance from mouth: 1174 **Altitude:** 71 m **RS4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	2.5	3.225	3.88	3.20	3.64
Aluminium (Al), dissolved	µg/l	12	< 5	8.84167	20.9	5.00	14.00
Ammonium (NH4-N)	mg/l	12	0.04	0.09333	0.21	0.09	0.12
Anionic active surfactants	mg/l	10	< 0.005	0.0075	0.01	0.01	0.01
Arsenic (As), dissolved	µg/l	12	< 0.1	1.19167	1.9	1.20	1.50
Atrazine	µg/l	12	< 0.0005	0.00613	0.015	0.005	0.01
BOD (5)	mg/l	12	1.03	2.04917	3.54	1.99	3.43
COD (Cr)	mg/l	4	7	10.6	20	20.00	20.00
COD (Mn)	mg/l	12	2.02	3.34	5.42	3.16	4.35
Cadmium (Cd), dissolved	µg/l	12	< 0.0125	0.07771	0.18	0.06	0.11
Calcium (Ca++)	mg/l	12	40	53.625	80	51.00	61.00
Chloride (Cl-)	mg/l	12	11	18.16667	27	16.00	24.00
Chromium (Cr), total	µg/l	12	< 0.25	1.175	7.6	0.25	1.20
Conductivity	µS/cm	12	315	378.33333	487	359.00	441.00
Copper (Cu), dissolved	µg/l	12	1.5	8.55	31	3.30	17.70
Dissolved oxygen	mg/l	12	7.44	9.4775	11.96	8.70	7.64
Lead (Pb), dissolved	µg/l	12	< 0.25	1.9	19.5	0.25	0.80
Lindane (gama-HCH)	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	12	8	12.83333	17	13.00	16.00
Mercury (Hg), dissolved	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	12	0.7	1.28333	2.6	0.90	2.60
Nitrate (NO3-N)	mg/l	12	0.04	0.90167	1.87	0.50	1.80
Nitrite (NO2-N)	mg/l	12	0.005	0.01392	0.025	0.011	0.024
Organic nitrogen	mg/l	12	0.149	1.06033	3.378	0.64	1.64
Orthophosphate (PO4-P)	mg/l	12	0.007	0.03508	0.111	0.032	0.057
Petroleum hydrocarbons	mg/l	11	0.012	0.02064	0.038	0.016	0.034
Phenol index	mg/l	12	< 0.001	0.00183	0.004	0.001	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	5.8	30.25	93.1	93.10	93.10
Potassium (K+)	mg/l	7	1.97	2.37714	3	3.00	3.00
Silicates(SiO2), dissolved	mg/l	12	2.7	5.15	7.3	4.60	7.20
Sodium (Na+)	mg/l	8	9.1	12.075	18.3	18.30	18.30
Sulphate (SO4--)	mg/l	11	22	28	42	27.00	34.00
Suspended solids	mg/l	12	6	20.58333	40	18.00	39.00
TOC	mg/l	12	2.2	4.3	5.7	4.50	5.50
Temperature	°C	12	2.8	14.00833	25.5	14.00	23.60
Total nitrogen	mg/l	12	1	2.06917	5.38	1.70	3.32
Total phosphorus	mg/l	12	0.022	0.16575	0.61	0.079	0.412
Zinc (Zn), dissolved	µg/l	12	3.7	11.975	29	9.80	28.40

River: Danube **Catchment:** 412762 km2 **2012**
Distance from mouth: 1174 **Altitude:** 71 m **RS4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	12	8.01	8.31917	8.6	8.34	8.13

River: Danube
Distance from mouth: 1076
Location: Left
Catchment: 568648 km2
Altitude: 69 m
2012
RS6

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.52	2.892	3.48	3.48	3.48
Aluminium (Al)	µg/l	10	159.9	398.71	1054	1054.00	1054.00
Aluminium (Al), dissolved	µg/l	9	< 5	16.48889	26.9	26.90	26.90
Ammonium (NH4-N)	mg/l	10	0.07	0.128	0.18	0.18	0.18
Anionic active surfactants	mg/l	10	< 0.005	0.0154	0.033	0.033	0.033
Arsenic (As)	µg/l	10	1.5	1.92	2.4	2.40	2.40
Arsenic (As), dissolved	µg/l	9	1.1	1.46667	1.8	1.80	1.80
Atrazine	µg/l	8	< 0.0005	0.00781	0.01	0.01	0.01
BOD (5)	mg/l	10	1	1.86	3	3.00	3.00
COD (Cr)	mg/l	10	7	10.3	14	14.00	14.00
COD (Mn)	mg/l	10	2.7	3.29	4.4	4.40	4.40
Cadmium (Cd)	µg/l	10	0.03	0.084	0.13	0.13	0.13
Cadmium (Cd), dissolved	µg/l	9	< 0.0125	0.01639	0.03	0.03	0.03
Calcium (Ca++)	mg/l	10	43	51.31	62	62.00	62.00
Chloride (Cl-)	mg/l	10	16.1	19.61	26.2	26.20	26.20
Chromium (Cr) - total	µg/l	10	1.3	3.46	8.9	8.90	8.90
Chromium (Cr), total	µg/l	9	< 0.25	< 0.25	< 0.25	0.25	0.25
Conductivity	µS/cm	10	317	393.2	459	459.00	459.00
Copper (Cu)	µg/l	10	5	15.03	35.2	35.20	35.20
Copper (Cu), dissolved	µg/l	9	< 0.5	3.8	9.4	9.40	9.40
Dissolved oxygen	mg/l	10	6.5	8.99	11.9	6.50	6.50
Iron (Fe)	mg/l	10	0.296	0.62515	1.626	1.626	1.626
Lead (Pb)	µg/l	10	0.5	3.33	8.3	8.30	8.30
Lead (Pb), dissolved	µg/l	9	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	8	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	10	8	10.05	12	12.00	12.00
Manganese (Mn)	mg/l	10	0.0225	0.04422	0.0844	0.0844	0.0844
Mercury (Hg)	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Mercury (Hg), dissolved	µg/l	9	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	10	1.3	4.5	7.8	7.80	7.80
Nickel (Ni), dissolved	µg/l	9	0.9	1.34444	2	2.00	2.00
Nitrate (NO3-N)	mg/l	10	0.75	1.268	2.25	2.25	2.25
Nitrite (NO2-N)	mg/l	10	0.006	0.0121	0.017	0.017	0.017
Organic nitrogen	mg/l	10	0.125	0.5249	1.054	1.054	1.054
Orthophosphate (PO4-P)	mg/l	10	0.02	0.0414	0.076	0.076	0.076
Petroleum hydrocarbons	mg/l	9	< 0.005	0.01089	0.024	0.024	0.024
Phenol index	mg/l	10	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	< 0.5	9.36556	23.69	23.69	23.69

River: Danube **Catchment:** 568648 km2 **2012**
Distance from mouth: 1076 **Altitude:** 69 m **RS6**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Potassium (K+)	mg/l	10	1.5	2.25	2.9	2.90	2.90
Silicates(SiO ₂), dissolved	mg/l	10	4	5.97	8	8.00	8.00
Sodium (Na+)	mg/l	10	8.4	13.49	20.1	20.10	20.10
Sulphate (SO ₄ ⁻⁻)	mg/l	10	20	28.6	40	40.00	40.00
Suspended solids	mg/l	10	10	21	52	52.00	52.00
TOC	mg/l	10	2.8	4.31	7.9	7.90	7.90
Temperature	°C	10	3.3	15.47	26	26.00	26.00
Total nitrogen	mg/l	10	1.52	1.933	2.75	2.75	2.75
Total phosphorus	mg/l	10	0.081	0.1058	0.142	0.142	0.142
Zinc (Zn)	µg/l	10	14.8	48.79	107.1	107.10	107.10
Zinc (Zn), dissolved	µg/l	9	8.5	22.18889	39	39.00	39.00
p,p'-DDT	µg/l	8	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	10	7.6	7.93	8.2	7.60	7.60

River: Danube **Catchment:** 574307 km² **2012**
Distance from mouth: 954 **Altitude:** 0 m **RS7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.78	2.969	3.57	3.57	3.57
Aluminium (Al), dissolved	µg/l	10	< 5	15.4	50.8	50.80	50.80
Ammonium (NH ₄ -N)	mg/l	10	0.03	0.065	0.14	0.14	0.14
Anionic active surfactants	mg/l	9	< 0.005	0.01167	0.05	0.05	0.05
Arsenic (As), dissolved	µg/l	10	1.2	1.54	2	2.00	2.00
Atrazine	µg/l	10	< 0.0005	0.0052	0.013	0.013	0.013
BOD (5)	mg/l	10	1	1.794	3.52	3.52	3.52
COD (Cr)	mg/l	5	10	16.98	26	26.00	26.00
COD (Mn)	mg/l	10	2	3.002	4.75	4.75	4.75
Cadmium (Cd), dissolved	µg/l	10	0.03	0.089	0.38	0.38	0.38
Calcium (Ca ⁺⁺)	mg/l	10	45	52.65	66	66.00	66.00
Chloride (Cl ⁻)	mg/l	10	13	18.56	25	25.00	25.00
Chromium (Cr), total	µg/l	10	< 0.25	1.195	5.9	5.90	5.90
Conductivity	µS/cm	10	326	367.5	461	461.00	461.00
Copper (Cu), dissolved	µg/l	10	2.2	6.47	11.8	11.80	11.80
Dissolved oxygen	mg/l	10	6.86	9.221	13.77	6.86	6.86
Lead (Pb), dissolved	µg/l	10	< 0.25	0.365	1.4	1.40	1.40
Lindane (gama-HCH)	µg/l	10	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg ⁺⁺)	mg/l	10	7	11.782	18	18.00	18.00
Mercury (Hg), dissolved	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni), dissolved	µg/l	10	0.8	1.37	2.4	2.40	2.40
Nitrate (NO ₃ -N)	mg/l	10	0.1	0.7	1.6	1.60	1.60
Nitrite (NO ₂ -N)	mg/l	10	0.007	0.0152	0.022	0.022	0.022
Organic nitrogen	mg/l	10	0.208	0.7088	1.789	1.789	1.789
Orthophosphate (PO ₄ -P)	mg/l	10	0.009	0.0377	0.054	0.054	0.054
Petroleum hydrocarbons	mg/l	9	< 0.005	0.008	0.019	0.019	0.019
Phenol index	mg/l	9	< 0.001	0.00156	0.004	0.004	0.004
Phytoplankton (biomass - chlorophyll-a)	µg/l	6	3.7	4.36667	5.2	5.20	5.20
Potassium (K ⁺)	mg/l	7	1.9	3.27143	9.2	9.20	9.20
Silicates(SiO ₂), dissolved	mg/l	10	5.7	7.2	9.4	9.40	9.40
Sodium (Na ⁺)	mg/l	7	2.3	10.77143	17.4	17.40	17.40
Sulphate (SO ₄ ⁻⁻)	mg/l	10	20	25.8	37	37.00	37.00
Suspended solids	mg/l	10	< 0.5	5.75	11	11.00	11.00
TOC	mg/l	10	2.5	4.1	6.8	6.80	6.80
Temperature	°C	10	0.9	16.75	27.2	27.20	27.20
Total nitrogen	mg/l	10	0.9	1.489	2.63	2.63	2.63
Total phosphorus	mg/l	10	0.018	0.0784	0.222	0.222	0.222
Zinc (Zn), dissolved	µg/l	10	3.6	8.99	19.6	19.60	19.60

River: Danube **Catchment:** 574307 km2 **2012**
Distance from mouth: 954 **Altitude:** 0 m **RS7**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
p,p'-DDT	µg/l	10	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	10	7.54	8.153	8.43	7.54	7.54

River: Danube
Distance from mouth: 851
Location: Right
Catchment: 577085 km2
Altitude: 32 m
2012
RS8

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.7	3.06455	3.51	3.00	3.49
Aluminium (Al)	µg/l	10	72.9	245.01	739.9	739.90	739.90
Aluminium (Al), dissolved	µg/l	11	< 5	16.01818	32.8	14.40	24.80
Ammonium (NH4-N)	mg/l	10	0.04	0.08528	0.18	0.18	0.18
Anionic active surfactants	mg/l	11	< 0.005	0.00773	0.01	0.01	0.01
Arsenic (As)	µg/l	10	1.5	1.93	2.6	2.60	2.60
Arsenic (As), dissolved	µg/l	11	1	1.32727	1.9	1.30	1.80
Atrazine	µg/l	11	< 0.0005	0.00641	0.015	0.007	0.01
BOD (5)	mg/l	11	1.12	1.57818	2.4	1.40	2.30
COD (Cr)	mg/l	6	< 1.75	6.05	9.2	9.20	9.20
COD (Mn)	mg/l	11	1.71	3.22273	4.49	3.10	4.39
Cadmium (Cd)	µg/l	10	0.05	0.097	0.23	0.23	0.23
Cadmium (Cd), dissolved	µg/l	11	0.03	0.06818	0.19	0.04	0.13
Calcium (Ca++)	mg/l	10	46.5	53.59	60	60.00	60.00
Chloride (Cl-)	mg/l	10	11	17.81	22	22.00	22.00
Chromium (Cr) - total	µg/l	10	1.5	4.99	17.9	17.90	17.90
Chromium (Cr), total	µg/l	11	< 0.25	0.97273	5	0.25	1.80
Conductivity	µS/cm	11	327	378.54545	466	371.00	442.00
Copper (Cu)	µg/l	10	3.5	13.78	23.9	23.90	23.90
Copper (Cu), dissolved	µg/l	11	1.5	8.83636	44.4	4.20	12.30
Dissolved oxygen	mg/l	11	6.32	8.86545	13.4	9.30	6.78
Iron (Fe)	mg/l	10	0.077	0.23415	0.366	0.366	0.366
Lead (Pb)	µg/l	10	< 0.25	2.615	5.9	5.90	5.90
Lead (Pb), dissolved	µg/l	11	< 0.25	< 0.25	< 0.25	0.25	0.25
Lindane (gama-HCH)	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Magnesium (Mg++)	mg/l	10	8.26	11.759	15	15.00	15.00
Manganese (Mn)	mg/l	10	< 0.005	0.01971	0.0316	0.0316	0.0316
Mercury (Hg)	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Mercury (Hg), dissolved	µg/l	11	< 0.1	< 0.1	< 0.1	0.10	0.10
Nickel (Ni)	µg/l	10	1.2	6.35	25	25.00	25.00
Nickel (Ni), dissolved	µg/l	11	1	1.68182	5.5	1.30	1.70
Nitrate (NO3-N)	mg/l	10	0.1	0.6	0.9	0.90	0.90
Nitrite (NO2-N)	mg/l	10	0.007	0.0374	0.2	0.20	0.20
Organic nitrogen	mg/l	11	< 0.05	0.851	1.631	1.081	1.407
Orthophosphate (PO4-P)	mg/l	10	0.022	0.0614	0.118	0.118	0.118
Petroleum hydrocarbons	mg/l	11	< 0.005	0.00827	0.016	0.005	0.013
Phenol index	mg/l	11	< 0.001	0.00127	0.004	0.001	0.001
Phytoplankton (biomass - chlorophyll-a)	µg/l	9	1	3.34444	8.6	8.60	8.60

River: Danube **Catchment:** 577085 km2 **2012**
Distance from mouth: 851 **Altitude:** 32 m **RS8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Potassium (K+)	mg/l	8	1.17	3.18625	10.2	10.20	10.20
Silicates(SiO ₂), dissolved	mg/l	10	3.4	5.2	7	7.00	7.00
Sodium (Na+)	mg/l	9	2.2	11.51111	18	18.00	18.00
Sulphate (SO ₄ ⁻⁻)	mg/l	10	23	28.9	39	39.00	39.00
Suspended solids	mg/l	11	2	4.54545	7	5.00	7.00
TOC	mg/l	11	2.3	3.24545	4.2	3.10	4.00
Temperature	°C	11	2.7	15.15455	26.3	16.40	25.30
Total nitrogen	mg/l	11	0.51	1.50818	2.5	1.37	2.20
Total phosphorus	mg/l	11	0.057	0.12164	0.245	0.104	0.214
Zinc (Zn)	µg/l	10	8.5	37.13	69.7	69.70	69.70
Zinc (Zn), dissolved	µg/l	11	3.3	8.35455	21.5	7.50	11.40
p,p'-DDT	µg/l	11	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
pH	-	11	7.35	7.83273	8.51	7.75	7.56

River: Drava **Catchment:** 15356 km² **2012**
Distance from mouth: 300 **Altitude:** 192 m **S11**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al), dissolved	µg/l	12	< 5	17.75	36	13.00	36.00
Ammonium (NH ₄ -N)	mg/l	26	< 0.005	0.02875	0.1089	0.0202	0.0498
Anionic active surfactants	mg/l	4	< 0.025	< 0.025	< 0.025	0.025	0.025
Arsenic (As), dissolved	µg/l	12	< 0.5	1.15833	1.9	1.20	1.50
Atrazine	µg/l	4	< 0.01	< 0.01	< 0.01	0.01	0.01
BOD (5)	mg/l	26	0.5	0.93077	1.4	0.90	1.30
COD (Cr)	mg/l	12	< 2.5	4.04167	10	2.50	6.00
Cadmium (Cd), dissolved	µg/l	12	0.014	0.02642	0.052	0.024	0.046
Calcium (Ca ⁺⁺)	mg/l	12	24	36.41667	46	33.00	45.00
Chloride (Cl ⁻)	mg/l	12	2.7	7.04167	13	5.40	11.00
Chromium (Cr), total	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	26	187	265.65385	351	255.00	324.00
Copper (Cu), dissolved	µg/l	12	< 0.5	1.675	4.5	1.40	2.30
Dissolved oxygen	mg/l	26	7.3	10.21923	14.2	9.50	7.50
Flow	m ³ /s	356	51	250.69663	885	224.00	448.00
Lead (Pb), dissolved	µg/l	12	< 0.5	0.56667	1.3	0.50	0.50
Lindane (gama-HCH)	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
Macrozoobenthos - number of families	-	1	54	54	54		
Macrozoobenthos no. of taxa	-	1	30	30	30		
Macrozoobenthos sapr. index	-	1	2.4	2.4	2.4		
Magnesium (Mg ⁺⁺)	mg/l	12	2.9	7.775	9.9	7.80	9.30
Mercury (Hg), dissolved	µg/l	12	< 0.005	0.00608	0.012	0.005	0.011
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.71667	1.4	0.50	1.20
Nitrate (NO ₃ -N)	mg/l	26	0.61	0.93654	1.4	0.90	1.31
Nitrite (NO ₂ -N)	mg/l	26	0.0021	0.00687	0.01	0.007	0.01
Orthophosphate (PO ₄ -P)	mg/l	26	< 0.005	0.00854	0.06	0.005	0.016
Potassium (K ⁺)	mg/l	12	1.3	1.83333	2.6	1.80	2.30
Sodium (Na ⁺)	mg/l	12	3.2	6.54167	10	5.90	9.30
Sulphate (SO ₄ ⁻⁻)	mg/l	12	14	23.33333	33	21.00	32.00
Suspended solids	mg/l	26	< 1	12.51154	36	11.00	26.00
TOC	mg/l	12	0.8	1.28333	1.7	1.20	1.60
Temperature	°C	26	0.4	11.75385	22.1	12.50	20.60
Total nitrogen	mg/l	26	0.62	1.01538	1.92	0.92	1.41
Total phosphorus	mg/l	26	0.014	0.04388	0.14	0.036	0.082
Zinc (Zn), dissolved	µg/l	12	< 5	7.33333	24	5.00	14.00
p,p'-DDT	µg/l	4	< 0.0015	< 0.0015	< 0.0015	0.0015	0.0015
pH	-	26	7.6	8.15769	8.5	8.20	7.90

River: Sava **Catchment:** 10878 km2 **2012**
Distance from mouth: 729 **Altitude:** 135 m **SI2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Aluminium (Al), dissolved	µg/l	12	2.2	18.63333	49	9.20	41.00
Ammonium (NH ₄ -N)	mg/l	26	0.0109	0.03125	0.0724	0.028	0.0576
Anionic active surfactants	mg/l	4	< 0.035	< 0.035	< 0.035	0.035	0.035
Arsenic (As), dissolved	µg/l	12	0.2	0.42583	0.74	0.38	0.62
Atrazine	µg/l	4	< 0.0045	< 0.0045	< 0.0045	0.0045	0.0045
BOD (5)	mg/l	26	< 0.25	1.30769	3.3	1.40	2.30
COD (Cr)	mg/l	12	< 2.5	4.80833	9.1	5.40	6.40
Cadmium (Cd), dissolved	µg/l	12	< 0.01	< 0.01	< 0.01	0.01	0.01
Calcium (Ca ⁺⁺)	mg/l	12	50	58.25	63	59.00	62.00
Chloride (Cl ⁻)	mg/l	12	5.62	9.35583	14.2	9.11	13.30
Chromium (Cr), total	µg/l	12	< 0.2	0.25917	0.47	0.20	0.44
Conductivity	µS/cm	26	306	358.61538	418	362.00	408.00
Copper (Cu), dissolved	µg/l	12	0.3	0.92667	1.7	0.74	1.20
Dissolved oxygen	mg/l	26	6.6	10.06538	13.4	10.50	7.70
Flow	m ³ /s	366	60	242.13661	2481	140.00	535.00
Lead (Pb), dissolved	µg/l	12	< 0.05	0.05833	0.15	0.05	0.05
Lindane (gama-HCH)	µg/l	4	< 0.00025	< 0.00025	< 0.00025	0.0002	0.0002
Macrozoobenthos - number of families	-	1	58	58	58		
Macrozoobenthos no. of taxa	-	1	33	33	33		
Macrozoobenthos sapr. index	-	1	2.05	2.05	2.05		
Magnesium (Mg ⁺⁺)	mg/l	12	11	13.16667	16	13.00	16.00
Mercury (Hg), dissolved	µg/l	12	< 0.0075	< 0.0075	< 0.0075	0.0075	0.0075
Nickel (Ni), dissolved	µg/l	12	0.69	1.08167	2	1.00	1.30
Nitrate (NO ₃ -N)	mg/l	26	0.89	1.44077	1.98	1.50	1.89
Nitrite (NO ₂ -N)	mg/l	26	0.0112	0.01696	0.0255	0.0164	0.0228
Orthophosphate (PO ₄ -P)	mg/l	26	0.009	0.018	0.031	0.018	0.027
Potassium (K ⁺)	mg/l	12	0.96	1.26083	1.7	1.20	1.50
Sodium (Na ⁺)	mg/l	12	3.5	6.24167	9.9	6.00	8.00
Sulphate (SO ₄ ⁻⁻)	mg/l	12	9.01	13.6	18.9	12.60	17.80
Suspended solids	mg/l	26	< 1	6.82308	18	6.10	14.00
TOC	mg/l	12	1.06	1.63667	2.22	1.59	1.96
Temperature	°C	26	2.2	14.48077	25.3	13.60	25.20
Total nitrogen	mg/l	26	1.1	1.50385	2.1	1.50	1.90
Total phosphorus	mg/l	26	0.026	0.05623	0.095	0.059	0.072
Zinc (Zn), dissolved	µg/l	12	< 4.5	< 4.5	< 4.5	4.50	4.50
p,p'-DDT	µg/l	4	< 0.0004	< 0.0004	< 0.0004	0.0004	0.0004
pH	-	26	8.01	8.24346	8.61	8.25	8.05

River: Danube
Distance from mouth: 1869
Location: Left
Catchment: 131329 km²
Altitude: 128 m
2012
SK1

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	7.80833	14.4	5.00	14.10
Alkalinity - total	mmol/l	12	2.49	3.00833	3.68	2.92	3.58
Ammonium (NH ₄ -N)	mg/l	24	0.02	0.045	0.13	0.04	0.08
Anionic active surfactants	mg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	0.67833	1.35	0.50	1.28
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	24	< 0.35	1.91458	3.3	2.00	2.80
COD (Cr)	mg/l	24	< 2.5	6.80833	15.8	4.00	13.20
COD (Mn)	mg/l	1	3.5	3.5	3.5		
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	44.9	52.46667	66.4	50.10	63.40
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	11.4	16.15833	23	14.30	21.90
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Conductivity	µS/cm	12	326	394.16667	495	374.00	484.00
Copper (Cu), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Dissolved oxygen	mg/l	12	8.4	10.78333	14.1	11.10	8.70
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	0.00425	0.04	0.001	0.001
Magnesium (Mg ⁺⁺)	mg/l	12	10.5	12.3	15.1	11.90	14.70
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.71	1.42	0.50	1.30
Nitrate (NO ₃ -N)	mg/l	24	0.93	1.61583	2.85	1.29	2.76
Nitrite (NO ₂ -N)	mg/l	24	0.004	0.01183	0.027	0.009	0.022
Organic nitrogen	mg/l	11	0.19	0.38727	0.56	0.41	0.52
Orthophosphate (PO ₄ -P)	mg/l	24	< 0.005	0.04729	0.08	0.04	0.07
Petroleum hydrocarbons	mg/l	10	0.02	0.024	0.03	0.03	0.03
Phenol index	mg/l	11	< 0.003	0.00345	0.008	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.9	11.67143	42.6	42.60	42.60
Suspended solids	mg/l	24	4.5	47.14583	284	30.00	105.00
TOC	mg/l	12	1.8	2.55833	3.6	2.30	3.60
Temperature	°C	24	-0.5	7.4125	20.9	4.00	18.00
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	24	1.17	2.065	3.54	1.88	3.39
Total phosphorus	mg/l	24	0.05	0.09375	0.17	0.08	0.16
Total phosphorus, dissolved	mg/l	24	< 0.015	0.05708	0.1	0.06	0.07
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25

River: Danube **Catchment:** 131329 km2 **2012**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00267	0.015	0.001	0.007
pH	-	12	7.98	8.15667	8.31	8.14	8.04

River: Danube
Distance from mouth: 1869
Location: Middle
Catchment: 131329 km²
Altitude: 128 m
2012
SK1

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	< 5	9.31429	13.9	13.90	13.90
Alkalinity - total	mmol/l	12	2.5	3.0475	3.64	3.02	3.63
Ammonium (NH ₄ -N)	mg/l	23	0.02	0.04174	0.09	0.04	0.08
Anionic active surfactants	mg/l	7	< 0.015	< 0.015	< 0.015	0.015	0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	0.715	1.6	0.50	1.40
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	23	0.8	1.9	3.2	1.70	3.10
COD (Cr)	mg/l	23	< 2.5	6.57391	15.9	4.00	12.00
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	44	52.85	65.5	50.90	62.90
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	10.6	15.475	22.1	13.20	21.60
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	0.30833	2.6	0.10	0.10
Conductivity	µS/cm	12	321	389.41667	479	373.00	473.00
Copper (Cu), dissolved	µg/l	12	< 0.25	0.675	2.9	0.25	2.70
Dissolved oxygen	mg/l	12	8.4	10.84167	14	10.90	8.60
Flow	m ³ /s	366	1140	2120.4376	5095	2075.375	^{29/5.66} 7
Iron (Fe)	mg/l	8	< 0.0125	0.59856	1.89	1.89	1.89
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg ⁺⁺)	mg/l	12	10.3	12.25833	14.9	12.00	14.20
Manganese (Mn)	mg/l	8	< 0.0125	0.03294	0.088	0.088	0.088
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.55667	1.18	0.50	0.50
Nitrate (NO ₃ -N)	mg/l	23	0.94	1.54609	2.74	1.33	2.53
Nitrite (NO ₂ -N)	mg/l	23	0.004	0.01061	0.026	0.009	0.019
Organic nitrogen	mg/l	11	0.17	0.41182	0.73	0.39	0.72
Orthophosphate (PO ₄ -P)	mg/l	23	< 0.005	0.0437	0.12	0.03	0.07
Petroleum hydrocarbons	mg/l	6	0.02	0.02333	0.03	0.03	0.03
Phenol index	mg/l	7	< 0.003	0.00357	0.007	0.007	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	< 0.25	7.93571	24.5	24.50	24.50
Silicates (SiO ₂)	mg/l	23	2.3	5.21739	7.1	5.30	7.00
Sodium (Na ⁺)	mg/l	8	7.5	10	14.8	14.80	14.80
Suspended solids	mg/l	23	4	49.69565	292	31.00	108.00
TOC	mg/l	12	1.9	2.6	3.8	2.30	3.30
Temperature	°C	23	-0.5	7.58261	20.7	4.00	18.00
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25

River: Danube **Catchment:** 131329 km2 **2012**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total nitrogen	mg/l	23	1	2.04304	3.47	1.87	3.27
Total phosphorus	mg/l	23	0.04	0.09217	0.21	0.08	0.17
Total phosphorus, dissolved	mg/l	23	< 0.015	0.0513	0.09	0.05	0.09
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
pH	-	12	8.02	8.2025	8.4	8.21	8.08

River: Danube
Distance from mouth: 1869
Location: Right
Catchment: 131329 km²
Altitude: 128 m
2012
SK1

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	< 5	8.125	15	5.00	13.00
Alkalinity - total	mmol/l	12	2.47	3.06833	3.63	3.10	3.56
Ammonium (NH ₄ -N)	mg/l	22	0.02	0.03864	0.08	0.03	0.06
Anionic active surfactants	mg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	0.6875	1.39	0.50	1.26
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	22	< 0.35	1.73409	3.1	1.70	2.90
COD (Cr)	mg/l	22	4	6.99091	14.6	6.60	11.80
COD (Mn)	mg/l	11	1	2.67273	5.5	2.40	3.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.06167	0.19	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	44.2	53.00833	65.3	50.40	63.10
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	10.7	15.38333	21.6	13.10	21.20
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	0.275	2.2	0.10	0.10
Conductivity	µS/cm	12	315	390.58333	489	378.00	476.00
Copper (Cu), dissolved	µg/l	12	< 0.25	0.65	3.1	0.25	2.20
Dissolved oxygen	mg/l	12	8.3	10.76667	14	10.90	8.70
Iron (Fe)	mg/l	4	< 0.0125	0.2565	0.614	0.614	0.614
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Macrozoobenthos - number of families	-	1	8	8	8		
Macrozoobenthos no. of taxa	-	1	19	19	19		
Macrozoobenthos sapr. index	-	1	2.698	2.698	2.698		
Magnesium (Mg ⁺⁺)	mg/l	12	10.2	12.33333	14.9	12.30	14.10
Manganese (Mn)	mg/l	4	< 0.0125	0.01863	0.037	0.037	0.037
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.74667	2.1	0.50	1.86
Nitrate (NO ₃ -N)	mg/l	22	0.97	1.55182	2.71	1.39	2.43
Nitrite (NO ₂ -N)	mg/l	22	0.004	0.01114	0.03	0.009	0.019
Organic nitrogen	mg/l	11	0.1	0.38	0.65	0.35	0.49
Orthophosphate (PO ₄ -P)	mg/l	22	< 0.005	0.04386	0.13	0.05	0.07
Petroleum hydrocarbons	mg/l	10	< 0.01	0.02	0.03	0.03	0.03
Phenol index	mg/l	11	< 0.003	0.00391	0.007	0.003	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.7	6.91429	29.7	29.70	29.70
Potassium (K ⁺)	mg/l	4	1.6	2.175	2.5	2.50	2.50
Silicates (SiO ₂)	mg/l	4	5.2	6.8	8.9	8.90	8.90
Sodium (Na ⁺)	mg/l	4	9.5	12.65	14.6	14.60	14.60

River: Danube **Catchment:** 131329 km² **2012**
Distance from mouth: 1869 **Altitude:** 128 m **SK1**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Sulphate (SO ₄ ⁻⁻)	mg/l	4	20.5	22.05	25.2	25.20	25.20
Suspended solids	mg/l	22	7	47.59091	280	32.00	111.00
TOC	mg/l	12	1.7	2.40833	3.6	2.20	3.00
Temperature	°C	22	-0.5	7.69545	20.4	4.00	17.70
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	22	1.15	1.98955	3.29	1.87	3.16
Total phosphorus	mg/l	22	0.03	0.09091	0.24	0.08	0.17
Total phosphorus, dissolved	mg/l	22	< 0.015	0.05545	0.13	0.05	0.08
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00458	0.017	0.001	0.015
pH	-	12	8.06	8.19833	8.38	8.17	8.07

River: Danube **Catchment:** 132168 km2 **2012**
Distance from mouth: 1806 **Altitude:** 108 m **SK2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	< 5	6.72857	11.8	11.80	11.80
Alkalinity - total	mmol/l	12	2.55	3.08333	3.7	3.04	3.62
Ammonium (NH4-N)	mg/l	12	0.02	0.03417	0.07	0.03	0.07
Anionic active surfactants	mg/l	7	< 0.015	< 0.015	< 0.015	0.015	0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	0.85	1.55	0.50	1.27
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	0.9	1.825	3.7	1.40	2.30
COD (Cr)	mg/l	12	< 2.5	7.31667	12.8	7.20	12.40
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	45.7	54.05	66.1	54.50	64.00
Chloride (Cl-)	mg/l	12	10.7	15.20833	21.7	13.30	21.20
Chromium (Cr), total	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Conductivity	µS/cm	12	32.3	38.94167	47.6	37.80	47.00
Copper (Cu), dissolved	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Dissolved oxygen	mg/l	12	8.3	10.78333	14.4	10.80	9.00
Flow	m3/s	366	1016.375	2025.4024	4760.417	2003.917	2824.167
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	0.00125	0.004	0.001	0.001
Magnesium (Mg++)	mg/l	12	10.3	12.5	15.1	12.30	14.40
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.01409	< 0.025	0.005	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.88	1.5525	2.67	1.22	2.54
Nitrite (NO2-N)	mg/l	12	0.004	0.011	0.026	0.007	0.022
Organic nitrogen	mg/l	11	0.1	0.36545	0.6	0.35	0.53
Orthophosphate (PO4-P)	mg/l	12	< 0.005	0.03375	0.05	0.03	0.05
Petroleum hydrocarbons	mg/l	6	< 0.01	0.02	0.03	0.03	0.03
Phenol index	mg/l	7	< 0.003	< 0.003	< 0.003	0.003	0.003
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	1	8.55714	30.4	30.40	30.40
Silicates (SiO2)	mg/l	12	3	5.61667	7.8	5.20	7.40
Sulphate (SO4--)	mg/l	12	17.6	23.24167	30.8	22.70	28.10
Suspended solids	mg/l	12	2	40.5	204	23.00	61.00
TOC	mg/l	12	1.7	2.33333	3.4	2.20	2.80
Temperature	°C	12	0.1	11.41667	21.5	9.30	21.30
Total nitrogen	mg/l	12	1.1	1.95417	3.21	1.58	3.12
Total phosphorus	mg/l	12	0.04	0.08833	0.22	0.08	0.12
Total phosphorus, dissolved	mg/l	12	< 0.015	0.05125	0.08	0.05	0.07
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00233	0.01	0.001	0.008

River: Danube **Catchment:** 132168 km2 **2012**
Distance from mouth: 1806 **Altitude:** 108 m **SK2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
pH	-	12	8.07	8.1825	8.36	8.14	8.09

River: Danube **Catchment:** 132168 km2 **2012**
Distance from mouth: 1806 **Altitude:** 108 m **SK2**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Macrozoobenthos - number of families	-	1	8	8	8		
Macrozoobenthos no. of taxa	-	1	15	15	15		
Macrozoobenthos sapr. index	-	1	2.018	2.018	2.018		

River: Vah **Catchment:** 19661 km2 **2012**
Distance from mouth: 2 **Altitude:** 106 m **SK4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	11	< 5	12.09091	15.8	12.60	15.10
Alkalinity - total	mmol/l	12	2.72	3.24667	4.17	3.06	3.97
Ammonium (NH4-N)	mg/l	12	0.02	0.14083	0.37	0.11	0.28
Anionic active surfactants	mg/l	11	< 0.015	0.01864	0.04	0.015	0.03
Arsenic (As), dissolved	µg/l	12	1	1.955	4.49	1.53	2.88
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.2	2.725	3.6	3.10	3.40
COD (Cr)	mg/l	13	4	10.89231	16.9	10.90	15.30
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	44.8	56.85	76.3	53.40	68.50
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	14	19.675	30.3	19.80	23.20
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Conductivity	µS/cm	12	354	450.33333	591	430.00	545.00
Copper (Cu), dissolved	µg/l	12	< 0.25	0.4625	2.8	0.25	0.25
Dissolved oxygen	mg/l	12	7.3	10.63333	12.9	11.10	8.00
Flow	m3/s	366	70.496	153.37443	475.606	132.469	235.647
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg++)	mg/l	12	10	13.79167	18.1	13.60	16.50
Mercury (Hg), dissolved	µg/l	11	< 0.025	0.02636	0.04	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.61	1.6175	2.7	1.52	2.49
Nitrite (NO2-N)	mg/l	12	0.014	0.0245	0.037	0.024	0.032
Organic nitrogen	mg/l	11	0.32	0.53273	0.73	0.57	0.66
Orthophosphate (PO4-P)	mg/l	12	< 0.005	0.07042	0.11	0.07	0.10
Petroleum hydrocarbons	mg/l	4	0.02	0.03	0.04	0.04	0.04
Phenol index	mg/l	10	< 0.003	0.0034	0.007	0.007	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.6	25.08571	60.5	60.50	60.50
Suspended solids	mg/l	12	3	16.54167	53	14.00	25.00
TOC	mg/l	12	2.9	3.26667	3.7	3.10	3.70
Temperature	°C	13	< 0.00000	11.89231	26.3	7.90	26.20
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.12	2.29333	3.76	2.18	3.26
Total phosphorus	mg/l	12	0.09	0.12	0.15	0.12	0.14
Total phosphorus, dissolved	mg/l	12	0.03	0.09083	0.13	0.09	0.12
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25

River: Vah **Catchment:** 19661 km2 **2012**
Distance from mouth: 2 **Altitude:** 106 m **SK4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00258	0.008	0.001	0.007
pH	-	12	7.96	8.13667	8.24	8.16	8.06

River: Vah **Catchment:** 19661 km2 **2012**
Distance from mouth: 2 **Altitude:** 106 m **SK4**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Macrozoobenthos - number of families	-	1	7	7	7		
Macrozoobenthos no. of taxa	-	1	22	22	22		
Macrozoobenthos sapr. index	-	1	1.968	1.968	1.968		

River: Danube **Catchment:** 183350 km² **2012**
Distance from mouth: 1707 **Altitude:** 100 m **SK5**
Location: Left

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	< 5	6.8	12.2	12.20	12.20
Alkalinity - total	mmol/l	12	2.69	3.16417	3.74	3.07	3.57
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.05833	0.12	0.05	0.11
Anionic active surfactants	mg/l	7	< 0.015	< 0.015	< 0.015	0.015	0.015
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.1	2.15833	3.7	1.60	3.20
COD (Cr)	mg/l	12	5.7	10.075	12.7	10.30	12.50
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.06333	0.21	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	46.6	55.125	68.7	53.80	63.60
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	13.5	17.25	26.7	15.30	21.60
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	356	421.66667	513	413.00	492.00
Dissolved oxygen	mg/l	12	8	10.775	14.3	11.30	8.40
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Macrozoobenthos - number of families	-	1	12	12	12		
Macrozoobenthos no. of taxa	-	1	24	24	24		
Macrozoobenthos sapr. index	-	1	2.157	2.157	2.157		
Magnesium (Mg ⁺⁺)	mg/l	12	12.1	13.83333	15.8	13.40	15.40
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.08167	2.55	0.50	1.88
Nitrate (NO ₃ -N)	mg/l	12	0.8	1.60833	2.75	1.26	2.63
Nitrite (NO ₂ -N)	mg/l	12	0.007	0.01517	0.026	0.013	0.025
Organic nitrogen	mg/l	11	0.23	0.44364	0.91	0.42	0.51
Orthophosphate (PO ₄ -P)	mg/l	12	0.02	0.05667	0.08	0.05	0.08
Petroleum hydrocarbons	mg/l	6	0.02	0.02333	0.03	0.03	0.03
Phenol index	mg/l	7	< 0.003	< 0.003	< 0.003	0.003	0.003
Suspended solids	mg/l	12	5	37.33333	117	25.00	109.00
TOC	mg/l	12	2.2	2.83333	3.6	2.70	3.40
Temperature	°C	12	-0.1	11.7	23.3	10.00	22.70
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.22	2.1425	3.33	1.75	3.20
Total phosphorus	mg/l	12	0.07	0.12167	0.29	0.10	0.15
Total phosphorus, dissolved	mg/l	12	0.03	0.0725	0.1	0.08	0.09
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
p,p'-DDT	µg/l	12	< 0.001	0.00142	0.006	0.001	0.001
pH	-	12	8.05	8.20417	8.44	8.20	8.09

River: Danube
Distance from mouth: 1707
Location: Middle
Catchment: 183350 km²
Altitude: 100 m
2012
SK5

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	8	< 5	7.3	12.2	12.20	12.20
Alkalinity - total	mmol/l	12	2.54	3.035	3.7	2.96	3.60
Ammonium (NH ₄ -N)	mg/l	12	< 0.01	0.04333	0.09	0.04	0.08
Anionic active surfactants	mg/l	7	< 0.015	< 0.015	< 0.015	0.015	0.015
Arsenic (As), dissolved	µg/l	12	< 0.5	0.80333	1.63	0.50	1.43
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	0.8	1.96667	3.2	1.90	3.10
COD (Cr)	mg/l	12	5.5	9.225	17.5	7.70	12.10
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	46.1	54.06667	66.5	55.10	63.60
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	11	15.78333	22.9	13.80	22.00
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Conductivity	µS/cm	12	327	394.75	490	378.00	485.00
Copper (Cu), dissolved	µg/l	12	< 0.25	1.125	3.6	0.25	3.40
Dissolved oxygen	mg/l	12	8.3	10.86667	14.2	11.30	8.60
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Magnesium (Mg ⁺⁺)	mg/l	12	11.1	12.73333	15.2	12.50	14.80
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.80667	3	0.50	1.68
Nitrate (NO ₃ -N)	mg/l	12	0.71	1.615	2.74	1.40	2.59
Nitrite (NO ₂ -N)	mg/l	12	0.005	0.012	0.027	0.009	0.023
Organic nitrogen	mg/l	11	0.1	0.38091	0.65	0.36	0.59
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.005	0.04292	0.07	0.05	0.05
Petroleum hydrocarbons	mg/l	10	< 0.01	0.023	0.04	0.04	0.04
Phenol index	mg/l	8	< 0.003	0.00338	0.006	0.006	0.006
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.9	10.22857	36.2	36.20	36.20
Sulphate (SO ₄ ⁻⁻)	mg/l	12	21.4	25.125	30.9	24.20	29.20
Suspended solids	mg/l	12	5	31.41667	110	18.00	64.00
TOC	mg/l	12	1.6	2.525	3.3	2.40	3.20
Temperature	°C	12	-0.1	11.30833	22.5	9.70	21.80
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.06	2.0525	3.29	1.86	3.21
Total phosphorus	mg/l	12	0.04	0.09083	0.16	0.08	0.13
Total phosphorus, dissolved	mg/l	12	< 0.015	0.05875	0.1	0.06	0.07
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25

River: Danube **Catchment:** 183350 km2 **2012**
Distance from mouth: 1707 **Altitude:** 100 m **SK5**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00158	0.008	0.001	0.001
pH	-	12	8.12	8.25333	8.52	8.26	8.15

River: Danube
Distance from mouth: 1707
Location: Right
Catchment: 183350 km²
Altitude: 100 m
2012
SK5

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	< 5	5.87143	11.1	11.10	11.10
Alkalinity - total	mmol/l	12	2.54	3.05667	3.7	3.04	3.56
Ammonium (NH ₄ -N)	mg/l	12	0.02	0.04417	0.09	0.03	0.08
Anionic active surfactants	mg/l	7	< 0.015	< 0.015	< 0.015	0.015	0.015
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	< 0.35	1.82917	3.6	1.60	2.80
COD (Cr)	mg/l	12	5.6	8.91667	12.6	9.30	10.50
Cadmium (Cd), dissolved	µg/l	12	< 0.05	0.055	0.11	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	46.2	54.55	67	55.20	64.80
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	10.7	15.93333	22.2	14.30	21.90
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Conductivity	µS/cm	12	330	399.33333	492	394.00	489.00
Dissolved oxygen	mg/l	12	8.4	10.80833	14.2	11.40	8.40
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Macrozoobenthos - number of families	-	1	3	3	3		
Macrozoobenthos no. of taxa	-	1	4	4	4		
Macrozoobenthos sapr. index	-	1	2.036	2.036	2.036		
Magnesium (Mg ⁺⁺)	mg/l	12	11	12.95	15.8	12.70	15.10
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.71083	1.6	0.50	1.32
Nitrate (NO ₃ -N)	mg/l	12	0.8	1.58333	2.75	1.29	2.58
Nitrite (NO ₂ -N)	mg/l	12	0.004	0.0115	0.026	0.008	0.023
Organic nitrogen	mg/l	11	0.16	0.37364	0.58	0.39	0.47
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.005	0.04292	0.07	0.04	0.05
Petroleum hydrocarbons	mg/l	6	0.02	0.02167	0.03	0.03	0.03
Phenol index	mg/l	7	< 0.003	< 0.003	< 0.003	0.003	0.003
Suspended solids	mg/l	12	5	27.25	99	21.00	46.00
TOC	mg/l	12	1.7	2.475	3.5	2.30	3.20
Temperature	°C	12	-0.1	11.45	22.7	9.90	21.70
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.16	2.0225	3.3	1.59	3.13
Total phosphorus	mg/l	12	0.04	0.08167	0.13	0.08	0.12
Total phosphorus, dissolved	mg/l	12	< 0.015	0.05958	0.08	0.06	0.08
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
p,p'-DDT	µg/l	12	< 0.001	0.00192	0.007	0.001	0.006
pH	-	12	8.15	8.26083	8.52	8.24	8.15

River: Morava
Distance from mouth: 1
Location: Middle

Catchment: 26575 km²
Altitude: 145 m

2012
SK6

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	12	12.3	17.16667	29.1	15.80	19.90
Alkalinity - total	mmol/l	12	1.71	2.95833	3.45	3.07	3.26
Ammonium (NH ₄ -N)	mg/l	12	0.03	0.09167	0.3	0.08	0.21
Anionic active surfactants	mg/l	2	< 0.015	0.0225	0.03		
Arsenic (As), dissolved	µg/l	12	< 0.5	1.26083	3.24	0.50	2.34
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	2.1	4.09167	7.3	3.70	5.90
COD (Cr)	mg/l	12	13.4	20.925	27.9	20.10	26.70
COD (Mn)	mg/l	12	3.2	6.1	13.2	5.20	8.60
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca ⁺⁺)	mg/l	12	40.4	61.38333	73.1	61.80	66.70
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl ⁻)	mg/l	12	16.4	37.79167	48.4	38.80	45.80
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	3	< 0.1	< 0.1	< 0.1		
Conductivity	µS/cm	12	322	543.66667	626	559.00	618.00
Copper (Cu), dissolved	µg/l	12	< 0.25	0.55417	3.9	0.25	0.25
Dissolved oxygen	mg/l	12	8.4	10.425	13.6	9.60	8.70
Flow	m ³ /s	366	21.654	71.82838	370.763	57.584	137.733
Iron (Fe)	mg/l	12	0.033	0.71	2.58	0.373	1.45
Lead (Pb), dissolved	µg/l	12	< 0.5	0.58167	1.48	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	0.002	0.013	0.001	0.001
Macrozoobenthos - number of families	-	2	6	9	12		
Macrozoobenthos no. of taxa	-	2	12	17	22		
Macrozoobenthos sapr. index	-	2	1.534	2.2495	2.965		
Magnesium (Mg ⁺⁺)	mg/l	12	7.9	14.96667	17.4	15.40	17.30
Manganese (Mn)	mg/l	12	< 0.0125	0.13871	0.297	0.108	0.283
Mercury (Hg), dissolved	µg/l	11	< 0.025	< 0.025	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	1.50333	3.1	1.39	2.77
Nitrate (NO ₃ -N)	mg/l	12	< 0.25	1.65583	3.41	1.16	3.14
Nitrite (NO ₂ -N)	mg/l	12	0.008	0.0175	0.028	0.016	0.025
Orthophosphate (PO ₄ -P)	mg/l	12	0.0652	0.15433	0.33252	0.133	0.3296
Petroleum hydrocarbons	mg/l	2	0.03	0.035	0.04		
Phenol index	mg/l	9	< 0.003	0.00344	0.007	0.007	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	10	2.9	55.51	111.2	111.20	111.20
Potassium (K ⁺)	mg/l	12	3.6	6.75833	7.9	6.90	7.90
Sodium (Na ⁺)	mg/l	12	13.3	29.54167	35.6	29.50	35.20
Sulphate (SO ₄ ⁻⁻)	mg/l	12	36.5	70.425	85.6	72.70	80.10

River: Morava **Catchment:** 26575 km² **2012**
Distance from mouth: 1 **Altitude:** 145 m **SK6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Suspended solids	mg/l	12	10	44.75	170	23.00	106.00
TOC	mg/l	12	3.5	4.64167	5.5	4.40	5.40
Temperature	°C	12	2	12.21667	23.2	9.40	22.30
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.55	2.7425	4.77	2.57	4.05
Total phosphorus	mg/l	12	0.13	0.26333	0.44	0.20	0.43
Total phosphorus, dissolved	mg/l	12	0.08	0.18667	0.4	0.16	0.36
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 5	< 5	< 5	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00217	0.015	0.001	0.001
pH	-	12	7.97	8.16417	8.52	8.04	7.99

River: Danube/Hron **Catchment:** 5416.83 km2 **2012**
Distance from mouth: 2 **Altitude:** 114 m **SK7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	< 5	7.92857	12.8	12.80	12.80
Alkalinity - total	mmol/l	12	1.72	2.66083	4.42	2.44	3.37
Ammonium (NH4-N)	mg/l	12	0.02	0.09417	0.29	0.05	0.21
Anionic active surfactants	mg/l	7	< 0.015	0.02071	0.04	0.04	0.04
Arsenic (As), dissolved	µg/l	12	3.53	6.65833	11	6.59	8.80
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	2	3.03333	5.1	2.80	4.30
COD (Cr)	mg/l	12	< 2.5	13.69167	23	12.20	20.70
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	33.7	48.44167	83.1	42.70	59.50
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	9.3	16.10833	35	13.00	26.20
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Conductivity	µS/cm	12	298	421.58333	722	359.00	527.00
Copper (Cu), dissolved	µg/l	12	< 0.25	1.12083	2.6	0.25	2.50
Dissolved oxygen	mg/l	12	7.5	10.225	13.4	9.90	7.60
Flow	m3/s	366	8.621	27.34419	117.662	22.921	49.638
Lead (Pb), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	0.00342	0.03	0.001	0.001
Macrozoobenthos - number of families	-	1	6	6	6		
Macrozoobenthos no. of taxa	-	1	20	20	20		
Macrozoobenthos sapr. index	-	1	1.937	1.937	1.937		
Magnesium (Mg++)	mg/l	12	10.3	15.85833	30.4	13.00	21.00
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Nitrate (NO3-N)	mg/l	12	0.83	1.95417	4.22	1.47	3.57
Nitrite (NO2-N)	mg/l	12	0.01	0.02108	0.043	0.019	0.026
Organic nitrogen	mg/l	11	0.35	0.65455	0.9	0.65	0.90
Orthophosphate (PO4-P)	mg/l	12	0.05	0.10583	0.17	0.09	0.15
Petroleum hydrocarbons	mg/l	6	0.02	0.03167	0.06	0.06	0.06
Phenol index	mg/l	7	< 0.003	0.00357	0.007	0.007	0.007
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	2.2	36.91429	78.2	78.20	78.20
Suspended solids	mg/l	12	2	19.91667	86	11.00	50.00
TOC	mg/l	12	2.7	3.475	4.8	3.10	4.80
Temperature	°C	12	-0.01	12.2075	26.1	7.70	25.70
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.63	2.69917	5.09	2.15	4.56

River: Danube/Hron **Catchment:** 5416.83 km² **2012**
Distance from mouth: 2 **Altitude:** 114 m **SK7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.1	0.16	0.23	0.15	0.19
Total phosphorus, dissolved	mg/l	12	0.09	0.13167	0.21	0.12	0.18
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 5	6.66667	25	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	0.00133	0.005	0.001	0.001
pH	-	12	7.89	8.14083	8.29	8.09	8.03

River: Danube/Ipoly **Catchment:** 5060.34 km2
Distance from mouth: 12 **Altitude:** 110 m **2012**
Location: Middle **SK8**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
AOX	µg/l	7	13.3	15.47143	20.5	20.50	20.50
Alkalinity - total	mmol/l	12	2.34	4.34833	5.93	4.57	5.34
Ammonium (NH4-N)	mg/l	12	0.02	0.1025	0.4	0.06	0.23
Anionic active surfactants	mg/l	7	< 0.015	0.03657	0.126	0.126	0.126
Arsenic (As), dissolved	µg/l	12	< 0.5	1.75167	3.8	1.20	2.76
Atrazine	µg/l	12	< 0.09	< 0.09	< 0.09	0.09	0.09
BOD (5)	mg/l	12	1.8	2.95	5.8	2.40	4.10
COD (Cr)	mg/l	12	10.8	15.275	24.6	15.50	17.60
Cadmium (Cd), dissolved	µg/l	12	< 0.05	< 0.05	< 0.05	0.05	0.05
Calcium (Ca++)	mg/l	12	41.8	70.125	103	75.00	79.90
Carbon tetrachloride	µg/l	12	< 0.2	< 0.2	< 0.2	0.20	0.20
Chloride (Cl-)	mg/l	12	17.6	33.73333	47.5	31.10	44.40
Chloroform	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Chromium (Cr), total	µg/l	12	< 0.1	< 0.1	< 0.1	0.10	0.10
Conductivity	µS/cm	12	392	648.91667	866	675.00	788.00
Copper (Cu), dissolved	µg/l	12	< 0.25	0.59167	2.6	0.25	2.00
Dissolved oxygen	mg/l	12	6.2	10.31667	12.9	11.10	6.90
Flow	m3/s	366	0.956	4.78328	34.191	3.992	9.456
Lead (Pb), dissolved	µg/l	12	< 0.5	0.55083	1.11	0.50	0.50
Lindane (gama-HCH)	µg/l	12	< 0.001	< 0.001	< 0.001	0.001	0.001
Macrozoobenthos - number of families	-	1	10	10	10		
Macrozoobenthos no. of taxa	-	1	29	29	29		
Macrozoobenthos sapr. index	-	1	2.188	2.188	2.188		
Magnesium (Mg++)	mg/l	12	12.6	23.34167	33.5	25.30	27.80
Mercury (Hg), dissolved	µg/l	11	< 0.005	< 0.02318	< 0.025	0.025	0.025
Nickel (Ni), dissolved	µg/l	12	< 0.5	0.625	1.3	0.50	1.20
Nitrate (NO3-N)	mg/l	12	0.59	2.01667	3.98	1.80	3.34
Nitrite (NO2-N)	mg/l	12	0.014	0.02275	0.042	0.02	0.032
Organic nitrogen	mg/l	11	0.56	0.73273	1.07	0.68	0.88
Orthophosphate (PO4-P)	mg/l	12	0.09	0.15333	0.26	0.14	0.24
Petroleum hydrocarbons	mg/l	6	< 0.01	0.02167	0.03	0.03	0.03
Phenol index	mg/l	7	< 0.003	0.00414	0.008	0.008	0.008
Phytoplankton (biomass - chlorophyll-a)	µg/l	7	0.8	35.01429	99.1	99.10	99.10
Suspended solids	mg/l	12	2	17.16667	51	11.00	39.00
TOC	mg/l	12	3.5	4.65833	6.1	4.70	5.40
Temperature	°C	12	< 0.00000	12.31667	26.1	9.00	25.30
Tetrachloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Total nitrogen	mg/l	12	1.25	2.84833	5.05	2.54	4.24

River: Danube/Ipoly **Catchment:** 5060.34 km² **2012**
Distance from mouth: 12 **Altitude:** 110 m **SK8**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total phosphorus	mg/l	12	0.15	0.21	0.31	0.19	0.30
Total phosphorus, dissolved	mg/l	12	0.11	0.17917	0.3	0.17	0.28
Trichloroethylene	µg/l	12	< 0.25	< 0.25	< 0.25	0.25	0.25
Zinc (Zn), dissolved	µg/l	12	< 5	6.75	26	5.00	5.00
p,p'-DDT	µg/l	12	< 0.001	< 0.001	<0.001	0.001	0.001
pH	-	12	7.83	8.09667	8.36	8.05	7.93

River: Danube **Catchment:** 805700 km2 **2012**
Distance from mouth: 132 **Altitude:** 4 m **UA1**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	3.16	3.34909	4.02	3.27	3.48
Ammonium (NH4-N)	mg/l	12	0.06	0.15417	0.37	0.14	0.23
Anionic active surfactants	mg/l	12	< 0.0025	0.00646	0.02	0.0025	0.01
BOD (5)	mg/l	12	1.04	1.89583	3.26	1.53	3.15
COD (Cr)	mg/l	12	12.6	20.20833	26.3	19.00	24.80
COD (Mn)	mg/l	12	3.1	3.71083	4.66	3.53	4.55
Calcium (Ca++)	mg/l	12	40.2	50.25	58.5	50.80	57.10
Chloride (Cl-)	mg/l	12	27.2	34.44167	41.3	34.00	40.90
Chromium (Cr), total	µg/l	12	3	9.75	16	9.00	15.00
Copper (Cu), dissolved	µg/l	12	< 0.5	< 0.5	< 0.5	0.50	0.50
Dissolved oxygen	mg/l	12	7.23	9.5125	12	8.69	7.84
Flow	m3/s	366	2770	5261.2568	10100	4800.00	7620.00
Lindane (gama-HCH)	µg/l	9	< 0.025	< 0.025	< 0.025	0.025	0.025
Magnesium (Mg++)	mg/l	12	12.8	17.79167	21.2	18.10	19.30
Nitrate (NO3-N)	mg/l	12	0.62	1.20083	2.17	1.03	1.95
Nitrite (NO2-N)	mg/l	12	< 0.01	0.02208	0.067	0.01	0.051
Orthophosphate (PO4-P)	mg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Petroleum hydrocarbons	mg/l	12	< 0.0025	< 0.0025	< 0.0025	0.0025	0.0025
Silicates (SiO2)	mg/l	12	0.99	2.18917	3.45	2.06	3.41
Sulphate (SO4--)	mg/l	12	52	56.10833	64.3	55.10	63.10
Suspended solids	mg/l	12	0.3	66.03333	208	39.50	174.00
Temperature	°C	12	0.2	14.76667	28.6	11.70	26.10
Total phosphorus, dissolved	mg/l	12	0.051	0.08692	0.14	0.078	0.124
Zinc (Zn), dissolved	µg/l	12	< 1.25	< 1.25	< 1.25	1.25	1.25
p,p'-DDT	µg/l	9	< 0.025	0.03333	0.1	0.10	0.10
pH	-	12	7.7	7.94167	8.15	7.95	7.80

River: Danube **Catchment:** 817000 km2 **2012**
Distance from mouth: 18 **Altitude:** 1 m **UA2**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	3.13	3.33	3.94	3.20	3.67
Ammonium (NH ₄ -N)	mg/l	12	0.02	0.14167	0.31	0.09	0.26
Anionic active surfactants	mg/l	12	< 0.0025	0.00458	0.02	0.0025	0.01
BOD (5)	mg/l	12	0.85	1.39833	2.72	1.32	2.06
COD (Cr)	mg/l	12	13.8	18.60833	25.7	17.30	22.80
COD (Mn)	mg/l	12	3	3.61917	4.7	3.40	4.00
Calcium (Ca ⁺⁺)	mg/l	12	41.8	50.26667	57.9	49.50	57.70
Chloride (Cl ⁻)	mg/l	12	27.2	34.46667	40.5	35.40	37.80
Chromium (Cr), total	µg/l	12	3	9.5	17	9.00	16.00
Dissolved oxygen	mg/l	12	6.46	9.26417	12.1	8.27	7.21
Flow	m ³ /s	366	1370	2533.4153	4830	2310.00	3660.00
Lindane (gama-HCH)	µg/l	9	< 0.025	< 0.025	< 0.025	0.025	0.025
Magnesium (Mg ⁺⁺)	mg/l	12	12	17.025	22.6	17.50	20.90
Nitrate (NO ₃ -N)	mg/l	12	0.57	1.18917	1.99	1.01	1.85
Nitrite (NO ₂ -N)	mg/l	12	< 0.01	0.03042	0.06	0.029	0.056
Orthophosphate (PO ₄ -P)	mg/l	12	< 0.025	0.0305	0.066	0.025	0.05
Petroleum hydrocarbons	mg/l	12	< 0.0025	0.00521	0.02	0.0025	0.01
Silicates (SiO ₂)	mg/l	12	0.97	2.205	3.34	2.01	3.05
Sulphate (SO ₄ ⁻⁻)	mg/l	12	50.5	55.91667	65.5	54.10	64.30
Suspended solids	mg/l	12	24.1	79.04167	225	41.80	155.00
Temperature	°C	12	0.2	14.93333	28.8	12.30	26.30
Total phosphorus, dissolved	mg/l	12	0.075	0.10517	0.176	0.099	0.157
p,p'-DDT	µg/l	9	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	7.75	7.94167	8.2	7.90	7.80

River: Tisza **Catchment:** 33000 km2 **2012**
Distance from mouth: 342 **Altitude:** 92 m **UA4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	12	1.6	1.95833	2.3	2.00	2.20
Ammonium (NH4-N)	mg/l	12	< 0.05	0.12917	0.2	0.10	0.20
Arsenic (As)	µg/l	9	5	5	5	5.00	5.00
Arsenic (As), dissolved	µg/l	9	5	5	5	5.00	5.00
Atrazine	µg/l	8	< 0.005	< 0.005	<0.005	0.005	0.005
BOD (5)	mg/l	12	< 1.5	2.20167	3.6	1.50	3.24
COD (Cr)	mg/l	12	8	9.39167	12.1	9.00	11.00
COD (Mn)	mg/l	12	3	4.14167	5.7	3.60	5.50
Cadmium (Cd)	µg/l	9	2	2	2	2.00	2.00
Cadmium (Cd), dissolved	µg/l	9	2	2	2	2.00	2.00
Calcium (Ca++)	mg/l	12	22	30.16667	40	30.00	38.00
Chloride (Cl-)	mg/l	12	10	26.04167	48.9	21.20	42.50
Chloroform	µg/l	6	< 5	< 5	< 5	5.00	5.00
Chromium (Cr) - total	µg/l	9	< 2.5	< 2.5	< 2.5	2.50	2.50
Chromium (Cr), total	µg/l	9	< 1.5	< 1.5	< 1.5	1.50	1.50
Conductivity	µS/cm	12	212	321.33333	470	275.00	445.00
Copper (Cu)	µg/l	9	< 2.5	6.05556	13	13.00	13.00
Copper (Cu), dissolved	µg/l	9	1	3.74444	5.8	5.80	5.80
Dissolved oxygen	mg/l	12	8.63	10.54583	13.7	10.20	9.46
Lead (Pb)	µg/l	9	< 0.5	< 0.5	< 0.5	0.50	0.50
Lead (Pb), dissolved	µg/l	9	< 1.5	< 1.5	< 1.5	1.50	1.50
Lindane (gama-HCH)	µg/l	8	< 0.025	< 0.025	< 0.025	0.025	0.025
Magnesium (Mg++)	mg/l	12	10.1	12.53333	15.1	12.60	15.10
Manganese (Mn)	mg/l	9	0.015	0.02678	0.04	0.04	0.04
Mercury (Hg)	µg/l	9	0.2	0.2	0.2	0.20	0.20
Nickel (Ni)	µg/l	9	5	5	5	5.00	5.00
Nickel (Ni), dissolved	µg/l	9	5	5	5	5.00	5.00
Nitrate (NO3-N)	mg/l	12	0.2	0.65833	1.1	0.60	1.00
Nitrite (NO2-N)	mg/l	12	< 0.015	< 0.015	< 0.015	0.015	0.015
Orthophosphate (PO4-P)	mg/l	12	< 0.025	< 0.025	< 0.025	0.025	0.025
Petroleum hydrocarbons	mg/l	12	0.011	0.0305	0.2	0.016	0.019
Phenol index	mg/l	12	< 0.0005	< 0.0005	<0.0005	0.0005	0.0005
Potassium (K+)	mg/l	9	1.5	2.48889	3	3.00	3.00
Sodium (Na+)	mg/l	9	3.6	7.76667	9.7	9.70	9.70
Sulphate (SO4--)	mg/l	12	10	24.45833	52.1	22.30	35.40
Suspended solids	mg/l	12	6	10.33333	24	9.00	14.00
Temperature	°C	12	0.1	10.95833	23.9	10.60	20.10
Tetrachloroethylene	µg/l	6	< 5	< 5	< 5	5.00	5.00

River: Tisza **Catchment:** 33000 km2 **2012**
Distance from mouth: 342 **Altitude:** 92 m **UA4**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Total nitrogen	mg/l	12	1	1.64167	2.1	1.70	2.00
Total phosphorus	mg/l	12	0.026	0.07308	0.126	0.068	0.12
Trichloroethylene	µg/l	6	< 10	< 10	< 10	10.00	10.00
Zinc (Zn)	µg/l	9	16	27.55556	42	42.00	42.00
Zinc (Zn), dissolved	µg/l	9	11	21.44444	26	26.00	26.00
p,p'-DDT	µg/l	8	< 0.025	< 0.025	< 0.025	0.025	0.025
pH	-	12	7.1	7.5575	8.01	7.55	7.19

River: **I Isza/Bodrog/**
Latori **Catchment:** **4418 km2** **2012**
Distance from mouth: **144** **Altitude:** **96 m** **UA5**
Location: **Middle**

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH4-N)	mg/l	12	< 0.05	0.15583	0.24	0.20	0.23
Anionic active surfactants	mg/l	12	0.007	0.01092	0.014	0.011	0.013
BOD (5)	mg/l	12	< 1.5	2.225	3.6	1.50	3.30
COD (Cr)	mg/l	12	8	9.425	12.1	9.00	11.00
Cadmium (Cd)	µg/l	10	< 0.25	< 0.25	< 0.25	0.25	0.25
Cadmium (Cd), dissolved	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Chloride (Cl-)	mg/l	12	7.7	22.56667	48.9	14.80	42.50
Chromium (Cr) - total	µg/l	10	< 2.5	< 2.5	< 2.5	2.50	2.50
Copper (Cu)	µg/l	10	< 2.5	4.45	9	9.00	9.00
Copper (Cu), dissolved	µg/l	10	1	1.72	4	4.00	4.00
Dissolved oxygen	mg/l	12	8.4	10.54917	13.7	10.20	9.46
Iron (Fe)	mg/l	12	0.1	0.20833	0.4	0.20	0.30
Lead (Pb)	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Lead (Pb), dissolved	µg/l	10	< 1.5	< 1.5	< 1.5	1.50	1.50
Manganese (Mn)	mg/l	9	0.015	0.029	0.07	0.07	0.07
Mercury (Hg)	µg/l	10	0.2	0.2	0.2	0.20	0.20
Nickel (Ni), dissolved	µg/l	10	5	5	5	5.00	5.00
Nitrate (NO3-N)	mg/l	12	1	2.9	4.7	2.60	4.40
Nitrite (NO2-N)	mg/l	12	< 0.015	0.02333	0.06	0.015	0.04
Orthophosphate (PO4-P)	mg/l	12	< 0.025	0.0425	0.07	0.025	0.07
Petroleum hydrocarbons	mg/l	12	0.011	0.01625	0.022	0.016	0.02
Phenol index	mg/l	12	< 0.0005	< 0.0005	< 0.0005	0.0005	0.0005
Sulphate (SO4--)	mg/l	12	< 5	23.65	52.1	22.30	35.40
Suspended solids	mg/l	12	6	10.58333	24	9.00	14.00
Temperature	°C	12	0.1	10.95833	23.9	10.60	20.10
Zinc (Zn)	µg/l	10	8	35.9	90	90.00	90.00
Zinc (Zn), dissolved	µg/l	10	5	5	5	5.00	5.00
pH	-	12	7.1	7.6125	8.01	7.65	7.19

River: Prut **Catchment:** 9836 km2 **2012**
Distance from mouth: 262 **Altitude:** 122 m **UA6**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	11	2.5	3.71818	5.4	3.50	4.90
Ammonium (NH ₄ -N)	mg/l	11	0.1	0.30273	0.84	0.11	0.69
Anionic active surfactants	mg/l	4	0.01	0.015	0.02	0.02	0.02
BOD (5)	mg/l	10	1.22	2.206	3.49	3.49	3.49
COD (Cr)	mg/l	2	7.4	7.85	8.3		
COD (Mn)	mg/l	11	2.2	2.9	4.2	2.80	3.80
Cadmium (Cd), dissolved	µg/l	2	< 0.1	< 0.1	< 0.1		
Calcium (Ca ⁺⁺)	mg/l	11	43.6	62.15455	77.1	66.10	74.10
Chloride (Cl ⁻)	mg/l	11	23	47.20909	79.8	47.90	67.40
Chromium (Cr), total	µg/l	9	< 0.5	0.72222	1	1.00	1.00
Copper (Cu), dissolved	µg/l	10	< 0.5	1.8	10	10.00	10.00
Dissolved oxygen	mg/l	11	5.3	9.18182	13.8	9.30	6.40
Lead (Pb), dissolved	µg/l	11	< 2.5	8.63636	10	10.00	10.00
Magnesium (Mg ⁺⁺)	mg/l	11	10.6	16.57273	25.3	16.10	22.60
Nickel (Ni), dissolved	µg/l	11	< 1.5	8.45455	10	10.00	10.00
Nitrate (NO ₃ -N)	mg/l	11	0.8	4.16364	8.9	2.90	8.00
Nitrite (NO ₂ -N)	mg/l	11	0.04	0.13818	0.3	0.10	0.24
Orthophosphate (PO ₄ -P)	mg/l	11	< 0.025	0.095	0.22	0.07	0.21
Potassium (K ⁺)	mg/l	11	3.2	5.08182	6.2	5.60	6.10
Sodium (Na ⁺)	mg/l	11	12.1	34.39091	51.8	36.60	47.60
Sulphate (SO ₄ ⁻⁻)	mg/l	9	26.7	52.78889	101.2	101.20	101.20
Suspended solids	mg/l	11	5	26.81818	76	13.00	62.00
Temperature	°C	11	< 0.005	11.22773	24	11.50	19.00
Zinc (Zn), dissolved	µg/l	11	< 1.5	4.77273	10	5.00	9.00
pH	-	11	6.59	7.65636	8.07	7.68	7.61

River: Siret **Catchment:** 2070 km2 **2012**
Distance from mouth: 100 **Altitude:** 303 m **UA7**
Location: Middle

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Alkalinity - total	mmol/l	10	2.8	3.69	4.3	4.30	4.30
Ammonium (NH ₄ -N)	mg/l	11	0.1	0.12	0.19	0.10	0.16
Anionic active surfactants	mg/l	4	0.01	0.0125	0.02	0.02	0.02
BOD (5)	mg/l	11	0.93	1.66545	2.88	1.49	2.31
COD (Cr)	mg/l	2	< 0.00000	3.45	6.9		
COD (Mn)	mg/l	11	1	2.49091	5.6	2.50	3.10
Cadmium (Cd), dissolved	µg/l	2	< 0.1	< 0.1	< 0.1		
Calcium (Ca ⁺⁺)	mg/l	11	44.6	60.33636	76.2	57.70	72.80
Chloride (Cl ⁻)	mg/l	11	14.2	19.81818	23	19.50	23.00
Chromium (Cr), total	µg/l	9	< 0.5	0.88889	1	1.00	1.00
Copper (Cu), dissolved	µg/l	11	< 0.5	1.95455	12	1.00	1.00
Dissolved oxygen	mg/l	11	7.5	10.45455	13.7	10.40	7.80
Lead (Pb), dissolved	µg/l	10	< 2.5	9.25	10	10.00	10.00
Magnesium (Mg ⁺⁺)	mg/l	11	10.9	15.15455	21.5	14.80	20.30
Nickel (Ni), dissolved	µg/l	11	< 1.5	8.45455	10	10.00	10.00
Nitrate (NO ₃ -N)	mg/l	11	0.8	3.07273	7.4	2.10	6.20
Nitrite (NO ₂ -N)	mg/l	11	< 0.015	0.035	0.07	0.03	0.05
Orthophosphate (PO ₄ -P)	mg/l	11	< 0.025	0.04636	0.06	0.05	0.05
Potassium (K ⁺)	mg/l	11	1.9	3.45455	4.3	3.80	4.10
Sodium (Na ⁺)	mg/l	11	7.1	24.09091	30.7	26.70	29.80
Sulphate (SO ₄ ⁻⁻)	mg/l	10	25.1	43.33	68.3	68.30	68.30
Suspended solids	mg/l	11	5	26.81818	164	13.00	34.00
Temperature	°C	10	1	11.4	23	23.00	23.00
Zinc (Zn), dissolved	µg/l	11	< 1.5	6.63636	10	7.00	10.00
pH	-	11	7.59	7.89455	8.26	7.88	7.65

River: Uzh **Catchment:** 1582 km2 **2012**
Distance from mouth: 106 **Altitude:** 112 m **UA8**
Location: Right

Determinand name	Unit	N	Min	Mean	Max	C50	C90
Ammonium (NH4-N)	mg/l	12	< 0.05	0.15	0.3	0.10	0.30
Anionic active surfactants	mg/l	12	0.009	0.01267	0.018	0.013	0.014
BOD (5)	mg/l	12	< 1.5	2.475	3.3	3.00	3.20
COD (Cr)	mg/l	12	3.6	9.69167	13	9.50	12.60
Cadmium (Cd)	µg/l	10	< 0.25	0.285	0.6	0.60	0.60
Cadmium (Cd), dissolved	µg/l	10	< 0.1	< 0.1	< 0.1	0.10	0.10
Chloride (Cl-)	mg/l	12	6.3	11.68333	24.7	10.30	15.50
Chromium (Cr) - total	µg/l	10	< 2.5	< 2.5	< 2.5	2.50	2.50
Copper (Cu)	µg/l	10	< 2.5	4.75	8	8.00	8.00
Copper (Cu), dissolved	µg/l	10	1	1	1	1.00	1.00
Dissolved oxygen	mg/l	12	8.1	10.34167	11.7	10.50	8.30
Iron (Fe)	mg/l	12	0.1	0.15833	0.4	0.10	0.20
Lead (Pb)	µg/l	10	< 0.5	< 0.5	< 0.5	0.50	0.50
Lead (Pb), dissolved	µg/l	10	< 1.5	< 1.5	< 1.5	1.50	1.50
Manganese (Mn)	mg/l	10	0.009	0.023	0.071	0.071	0.071
Nickel (Ni), dissolved	µg/l	10	5	5	5	5.00	5.00
Nitrate (NO3-N)	mg/l	12	0.8	3.03333	4.3	3.20	4.00
Nitrite (NO2-N)	mg/l	12	< 0.015	0.02458	0.08	0.015	0.04
Orthophosphate (PO4-P)	mg/l	12	< 0.025	0.06417	0.13	0.07	0.10
Petroleum hydrocarbons	mg/l	12	0.012	0.01767	0.023	0.018	0.022
Sulphate (SO4--)	mg/l	12	< 5	17.50833	24.8	19.50	21.10
Suspended solids	mg/l	12	6	9.16667	21	7.00	14.00
Temperature	°C	12	0.2	11.04167	23.2	11.00	22.10
Zinc (Zn)	µg/l	10	5	15.1	29	29.00	29.00
Zinc (Zn), dissolved	µg/l	10	5	6.4	19	19.00	19.00
pH	-	12	6.9	7.59167	8	7.62	7.16

