1. Analysenanzahl & Proben unter bzw. über der Bestimmungsgrenze

Para-meter	N	N (analysiert)	% (analysiert)	< DL	% < DL	> DL	% > DL
pH	17.830	17.443	97,83%	-	-	-	-
Leitf	17.830	17.614	98,79%	-	-	-	-
F_{aqua}	17.830	17.824	99,97%	660	3,70%	340	1,91%
Ag	17.408	8.548	49,10%	7.333	85,79%	0	0,00%
As	17.408	16.654	95,67%	853	5,12%	26	0,16%
B	17.408	17.255	99,12%	93	0,54%	6	0,03%
Ba	17.408	17.147	98,50%	72	0,42%	31	0,18%
Be	17.408	17.363	99,74%	24	0,14%	5	0,03%
Bi	17.408	8.203	47,12%	8.038	97,99%	0	0,00%
Co	17.408	17.394	99,92%	24	0,14%	2	0,01%
Cr	17.408	17.395	99,93%	183	1,05%	19	0,11%
Cu	17.408	17.395	99,93%	3	0,02%	7	0,04%
F_{sed}	17.408	9.945	57,13%	347	3,49%	1	0,01%
Fe	17.408	552	3,17%	0	0,00%	0	0,00%
Ga	17.408	441	2,53%	9	2,04%	0	0,00%
Hg	17.408	9.987	57,37%	0	0,00%	13	0,13%
La	17.408	5.010	28,78%	24	0,48%	1	0,02%
Li	17.408	16.620	95,47%	2.553	15,36%	0	0,00%
Mn	17.408	17.144	98,48%	58	0,34%	109	0,64%
Mo	17.408	17.255	99,12%	15.000	86,93%	0	0,00%
Nb	17.408	8.502	48,84%	16	0,19%	0	0,00%
Ni	17.408	17.395	99,93%	110	0,63%	2	0,01%
Pb	17.408	17.395	99,93%	6	0,03%	91	0,52%
Rb	17.408	8.300	47,68%	13	0,16%	1	0,01%
Sc	17.408	5.842	33,56%	269	4,60%	0	0,00%
Sn	17.408	17.394	99,92%	1.135	6,53%	9	0,05%
Sr	17.408	8.297	47,66%	31	0,37%	9	0,11%
Ti	17.408	17.007	97,70%	1	0,01%	809	4,76%
V	17.408	8.685	49,89%	0	0,00%	0	0,00%
W	17.408	15.453	88,77%	2.836	18,35%	2	0,01%
Y	17.408	5.812	33,39%	1	0,02%	12	0,21%
Yb	17.408	5.845	33,58%	17	0,29%	0	0,00%
Zn	17.408	16.737	96,15%	12	0,07%	33	0,20%
Zr	17.408	17.007	97,70%	2	0,01%	0	0,00%

[1] DL = Bestimmungsgrenze

2. Statistische Maßzahlen

Parameter	Einheit	N	X_{min}	X_{max}	$\bar{X}$	SEM	SD	$\bar{X}_{geom}$	X_{med}	MAD
pH	-	17.443	2,8	10,9	6,36	0,008	1,02	6,27	6,60	0,76
Leitf	µS/cm	17.614	8	16.800	373	2,9	397	295	320	187
F_{aqua}	mg/l	17.824	< 0,04	10,8	0,270	0,0025	0,337	0,19	0,20	0,152
Ag	mg/kg	8.548	< 1	213	< 1	-	-	< 1	< 1	-
As	mg/kg	16.654	< 2	5.480	36,5	0,80	103	17,6	19,0	27,0
B	mg/kg	17.255	< 20	1.380	74,8	0,38	50,0	66,1	65,0	26,7
Ba	mg/kg	17.147	< 100	29.000	559	5,1	662	492	490	181
Be	mg/kg	17.363	< 1	156	5,43	0,046	6,11	4,16	4,00	2,72
Bi	mg/kg	8.203	< 5	69	< 5	-	-	< 5	< 5	-
Co	mg/kg	17.394	< 1	845	14,4	0,15	20,1	10,0	10,0	8,47
Cr	mg/kg	17.395	< 5	5.000	56,9	0,51	67,5	46,5	50,0	24,1
Cu	mg/kg	17.395	< 2	5.500	44,5	0,72	95,1	28,9	29,0	27,7
F_{sed}	mg/kg	9.945	< 200	56.000	467	9,3	924	392	400	175
Fe	mg/kg	552	490	73.600	27.100	488	11.467	25.100	23.800	8.137
Ga	mg/kg	441	< 5	18	8,43	0,109	2,29	8,12	8,00	1,60
Hg	µg/kg	9.987	15,0	23.700	191	4,69	468	128	120	114
La	mg/kg	5.010	< 30	1.120	78,5	0,567	40,1	73,4	73,0	20,0
Li	mg/kg	16.620	< 30	2.840	65,5	0,534	68,8	51,6	55,0	31,1

N: Anzahl der gemessenen Werte, X_{min}: Minimum, X_{max}: Maximum, $\bar{X}$: arithmetisches Mittel, SEM: Standardfehler des arithmetischen Mittels, SD: Standardabweichung, $\bar{X}_{geom}$: geometrisches Mittel, X_{med}: Medianwert, MAD: mittlere absolute Abweichung vom Medianwert

Parameter	Einheit	N	X_{min}	X_{max}	$\bar{X}$	SEM	SD	$\bar{X}_{geom}$	X_{med}	MAD
Mn	mg/kg	17.144	< 100	73.300	1.190	14,5	1900	766	720	766
Mo	mg/kg	17.255	< 2	235	< 2	-	-	< 2	< 2	-
Nb	mg/kg	8.502	< 5	265	29,1	0,194	17,9	25,7	23,0	10,6
Ni	mg/kg	17.395	< 5	1.500	39,2	0,323	42,5	28,8	29,0	21,8
Pb	mg/kg	17.395	< 5	4.230	73,5	0,607	79,7	58,0	54,0	35,9
Rb	mg/kg	8.300	< 25	3.100	122	0,691	62,9	113	110	35,2
Sc	mg/kg	5.842	< 5	87,0	11,9	0,064	4,86	10,8	12,0	3,8
Sn	mg/kg	17.394	< 3	13.800	24,9	1,54	204	6,96	6,00	21,0
Sr	mg/kg	8.297	< 25	5.940	97,9	1,29	118	88,3	89,0	28,9
Ti	mg/kg	17.007	< 100	63.300	5.060	21,0	2.734	4.580	4610	1.546
V	mg/kg	8.685	7	812	72,7	0,523	48,8	62,1	64,0	30,1
W	mg/kg	15.453	< 2	8.650	10,7	0,603	74,9	5,56	7,00	7,68
Y	mg/kg	5.812	< 5	936	47,4	0,358	27,3	44,3	42,0	11,4
Yb	mg/kg	5.848	< 2	67	4,26	0,027	2,05	4,02	4,00	1,01
Zn	mg/kg	16.737	<10	7.390	196	1,72	223	148	147	102
Zr	mg/kg	17.007	< 30	4.620	485	1,81	237	443	430	154

N: Anzahl der gemessenen Werte, X_{min}: Minimum, X_{max}: Maximum, $\bar{X}$: arithmetisches Mittel, SEM: Standardfehler des arithmetischen Mittels, SD: Standardabweichung, $\bar{X}_{geom}$: geometrisches Mittel, X_{med}: Medianwert, MAD: mittlere absolute Abweichung vom Medianwert

Parameter	Einheit	P1	P2	P5	P10	P25	P50	P75	P90	P95	P98	P99
pH	-	3,80	3,90	4,20	4,60	5,90	6,60	7,10	7,40	7,70	7,90	8,10
Leitf	µS/cm	65,0	76,0	96,0	116	177	320	480	660	818	1.020	1.250
F_{aqua}	mg/l	< 0,04	< 0,04	0,040	0,070	0,120	0,200	0,320	0,500	0,700	1,00	1,34
Ag	mg/kg	< 1	< 1	< 1	< 1	< 1	< 1	< 1	1,00	1,50	2,00	3,00
As	mg/kg	< 2	< 2	< 2	4,00	10,0	19,0	36,0	68,0	105	198	311
B	mg/kg	22,0	26,0	32,0	38,0	50,0	65,0	87,0	112	140	201	252
Ba	mg/kg	130	178	260	315	399	490	604	778	966	1.290	1.770
Be	mg/kg	1,00	1,50	1,50	2,00	3,00	4,00	5,00	10,0	15,0	23,0	30,4
Bi	mg/kg	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	5,00	6,00
Co	mg/kg	1,50	2,00	3,00	4,00	6,00	10,0	17,0	28,0	37,0	55,0	80,0
Cr	mg/kg	< 5	7,00	15,0	23,0	35,0	50,0	68,0	92,0	115	155	195
Cu	mg/kg	4,50	5,00	8,00	10,0	17,0	29,0	47,0	79,0	113	199	294
F_{sed}	mg/kg	< 200	< 200	200	200	300	400	500	650	800	1000	1.300
Fe	mg/kg	11.000	1.3000	14.900	16.600	19.300	23.800	31.600	42.900	50.700	66.200	68.700
Ga	mg/kg	< 5	< 5	6,00	6,00	7,00	8,00	10,0	11,0	12,9	15,0	16,0
Hg	µg/kg	30,0	35,0	45,0	55,0	76,0	120	194	321	470	820	1.280
La	mg/kg	34,0	37,2	44,0	49,0	61,0	73,0	88,0	107	123	155	203
Li	mg/kg	< 30	< 30	< 30	< 30	38,0	55,0	78,0	111	139	204	280
Mn	mg/kg	132	161	211	270	421	720	1.300	2.390	3.450	5.380	7.940
Mo	mg/kg	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2,00	3,00	5,00	9,00
Nb	mg/kg	11,0	13,0	15,0	16,0	19,0	23,0	33,0	51,0	64,0	83,0	100

Px = x. Perzentil

Parameter	Einheit	P1	P2	P5	P10	P25	P50	P75	P90	P95	P98	P99
Mn	mg/kg	132	161	211	270	421	720	1.300	2.390	3.450	5.380	7.940
Mo	mg/kg	< 2	< 2	< 2	< 2	< 2	< 2	< 2	2,00	3,00	5,00	9,00
Nb	mg/kg	11,0	13,0	15,0	16,0	19,0	23,0	33,0	51,0	64,0	83,0	100
Ni	mg/kg	5,00	6,00	9,00	12,0	17,0	29,0	46,0	75,0	105	153	200
Pb	mg/kg	17,0	20,0	24,0	28,0	38,0	54,0	82,0	129	178	265	367
Rb	mg/kg	50,0	58,0	65,0	74,0	89,0	110	137	175	228	303	347
Sc	mg/kg	< 5	< 5	5,00	6,00	9,00	12,0	15,0	18,0	20,0	22,0	24,0
Sn	mg/kg	< 3	< 3	< 3	3,00	4,00	6,00	9,00	20,0	55,0	222	470
Sr	mg/kg	33,0	39,0	49,0	57,0	72,0	89,0	108	134	159	202	247
Ti	mg/kg	1.460	1.750	2.280	2.800	3.700	4.610	5.520	7.350	9.900	13.400	16.500
V	mg/kg	16,0	19,0	25,0	30,0	44,0	64,0	88,0	121	148	192	244
W	mg/kg	< 2	< 2	< 2	< 2	3,00	7,00	11,0	18,0	26,0	43,0	65,0
Y	mg/kg	24,0	26,0	30,0	32,0	37,0	42,0	49,0	62,7	80,0	111	146
Yb	mg/kg	2,00	2,50	2,50	3,00	3,50	4,00	4,50	6,00	7,00	9,00	11,0
Zn	mg/kg	27,0	35,0	49,0	64,0	95,0	147	230	355	469	698	967
Zr	mg/kg	182	207	243	275	338	430	568	746	909	1.140	1.320

Px = x. Perzentil