

Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Aluminium	M170 A	µg/l	13.4 ±	0.546	1.34	10
	M170 B	µg/l	63.3 ±	1.06	6.33	10
Arsenic	M170 A	µg/l	1.28 ±	0.0432	0.166	13
	M170 B	µg/l	5.14 ±	0.0899	0.668	13
Cadmium	M170 A	µg/l	0.423 ±	0.0105	0.0423	10
	M170 B	µg/l	2.76 ±	0.0512	0.276	10
Chromium	M170 A	µg/l	1.97 ±	0.0625	0.168	8.5
	M170 B	µg/l	1.89 ±	0.0697	0.16	8.5
Copper	M170 A	µg/l	9.74 ±	0.205	0.876	9
	M170 B	µg/l	14.8 ±	0.283	1.34	9
Iron	M170 A	µg/l	27.1 ±	1.21	2.98	11
	M170 B	µg/l	99.3 ±	2.38	10.9	11
Lead	M170 A	µg/l	1.22 ±	0.0465	0.183	15
	M170 B	µg/l	3.92 ±	0.0984	0.588	15
Manganese	M170 A	µg/l	17.3 ±	0.596	1.24	7.2
	M170 B	µg/l	21.5 ±	0.422	1.55	7.2
Mercury	M170 A Hg	µg/l	0.25 ±	0.00994	0.0351	14
	M170 B Hg	µg/l	0.792 ±	0.0251	0.111	14
Nickel	M170 A	µg/l	2.17 ±	0.0698	0.26	12
	M170 B	µg/l	16.7 ±	0.345	2.01	12
Selenium	M170 A	µg/l	4.24 ±	0.17	0.509	12
	M170 B	µg/l	4.46 ±	0.123	0.535	12
Uranium	M170 A	µg/l	1.18 ±	0.0201	0.0777	6.6
	M170 B	µg/l	1.83 ±	0.0526	0.121	6.6
Zinc	M170 A	µg/l	394 ±	13	35.4	9
	M170 B	µg/l	99.4 ±	2.59	8.94	9

Legend:

Assigned value	Target value for proficiency assessment of the participants (3 significant digits)
U (k=2)	Expanded uncertainty (k=2) of the assigned value (3 significant digits)
Criterion	Specified value for the determination of the z-score in the given unit (3 significant digits)
Criterion [%]	Specified value for the determination of the z-score in % of the assigned value (2 significant digits)