umweltbundesamt

ENVIRONMENT AGENCY AUSTRIA

1st Edition, 13.03.2023

Table of assigned values

Parameter	Sample	Unit	Assigned value	±	U (k=2)	Criterion	Criterion [%]
Alkalinity Ks 4,3	N165 A	mmol/l	7.33	±	0.0456	0.147	2
	N165 B	mmol/l	3.35	±	0.0214	0.0671	2
Ammonium (as NH4)	N165 A	mg/l	0.0555	±	0.00364	0.00999	18
	N165 B	mg/l	0.166	±	0.00573	0.0199	12
Boron	N165 A	mg/l	0.0587	±	0.00178	0.00646	11
	N165 B	mg/l	0.0144	±	0.00123	0.00215	15
Calcium	N165 A	mg/l	124	±	1.6	4.34	3.5
	N165 B	mg/l	60.4	±	0.834	1.87	3.1
Chloride	N165 A	mg/l	57.6	±	0.558	2.3	4
	N165 B	mg/l	25.6	±	0.265	1.03	4
DOC (as C)	N165 A DOC	mg/l	1.38	±	0.0704	0.193	14
	N165 B DOC	mg/l	3.37	±	0.0669	0.337	10
El. conductivity (25°C)	N165 A	µS/cm	916	±	3.4	11.9	1.3
	N165 B	µS/cm	480	±	1.46	6.24	1.3
Hydrogen carbonate	N165 A	mg/l	445	±	2.85	8.9	2
	N165 B	mg/l	203	±	2.03	5.68	2.8
Magnesium	N165 A	mg/l	29.9	±	0.424	1.19	4
	N165 B	mg/l	14.2	±	0.198	0.57	4
Nitrate (as NO3)	N165 A	mg/l	14.3	±	0.17	0.716	5
	N165 B	mg/l	15.8	±	0.207	0.791	5
Nitrite (as NO2)	N165 A	mg/l	0.208	±	0.00304	0.011	5.3
	N165 B	mg/l	0.242	±	0.00388	0.0128	5.3
Orthophosphate (as PO4)	N165 A	mg/l	0.131	±	0.0163	0.0392	30
	N165 B	mg/l	0.151	±	0.0066	0.0166	11
pH-value	N165 A	-	7.68	±	0.034	0.154	2
	N165 B	-	7.84	±	0.0268	0.157	2
Potassium	N165 A	mg/l	4.79	±	0.051	0.249	5.2
	N165 B	mg/l	2.38	±	0.0289	0.124	5.2
Sodium	N165 A	mg/l	26.9	±	0.356	0.914	3.4
	N165 B	mg/l	15.4	±	0.239	0.525	3.4
Sulfate (as SO4)	N165 A	mg/l	41.6	±	0.241	1.37	3.3
	N165 B	mg/l	30.8	±	0.304	1.02	3.3
Total-P (as PO4)	N165 A	mg/l	0.432	±	0.012	0.0324	7.5
	N165 B	mg/l	1.77	±	0.0469	0.133	7.5
Total hardness	N165 A	mmol/l	4.36	±	0.0397	0.131	3
	N165 B	mmol/l	2.11	±	0.0216	0.0632	3
Total nitrogen	N165 A	mg/l	3.49	±	0.151	0.29	8.3
	N165 B	mg/l	3.89	±	0.119	0.323	8.3

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)