

Table of assigned values Nutrients/Major Ions N160

1<sup>st</sup> Edition, 29.04.2022

## Table of assigned values

Parameter	Sample	Unit	Assigned value ±	U (k=2)	Criterion	Criterion [%]
Alkalinity Ks 4,3	N160 A	mmol/l	7.95 ±	0.0264	0.159	2
	N160 B	mmol/l	3.52 ±	0.014	0.0704	2
Ammonium (as NH <sub>4</sub> )	N160 A	mg/l	0.0793 ±	0.00266	0.00952	12
	N160 B	mg/l	0.285 ±	0.00486	0.0341	12
Boron	N160 A	mg/l	0.0747 ±	0.00166	0.00822	11
	N160 B	mg/l	0.0149 ±	0.000559	0.00164	11
Calcium	N160 A	mg/l	143 ±	1.42	4.42	3.1
	N160 B	mg/l	61.3 ±	0.649	1.9	3.1
Chloride	N160 A	mg/l	72.1 ±	0.47	2.89	4
	N160 B	mg/l	22.3 ±	0.157	0.891	4
DOC (as C)	N160 A DOC	mg/l	2.08 ±	0.0585	0.208	10
	N160 B DOC	mg/l	2.63 ±	0.0618	0.263	10
El. conductivity (25°C)	N160 A	µS/cm	1050 ±	3.6	13.6	1.3
	N160 B	µS/cm	474 ±	1.13	6.16	1.3
Hydrogen carbonate	N160 A	mg/l	483 ±	1.82	9.66	2
	N160 B	mg/l	213 ±	1.3	4.26	2
Magnesium	N160 A	mg/l	35.3 ±	0.274	1.41	4
	N160 B	mg/l	14.9 ±	0.135	0.598	4
Nitrate (as NO <sub>3</sub> )	N160 A	mg/l	23.8 ±	0.233	1.19	5
	N160 B	mg/l	13.4 ±	0.132	0.672	5
Nitrite (as NO <sub>2</sub> )	N160 A	mg/l	0.288 ±	0.00359	0.0153	5.3
	N160 B	mg/l	0.193 ±	0.00273	0.0102	5.3
Orthophosphate (as PO <sub>4</sub> )	N160 A	mg/l	0.0617 ±	0.00324	0.00987	16
	N160 B	mg/l	0.109 ±	0.0055	0.0174	16
pH-value	N160 A	-	7.69 ±	0.0265	0.154	2
	N160 B	-	8.07 ±	0.019	0.161	2
Potassium	N160 A	mg/l	5.32 ±	0.0504	0.277	5.2
	N160 B	mg/l	2.18 ±	0.0235	0.113	5.2
Sodium	N160 A	mg/l	31.6 ±	0.245	1.07	3.4
	N160 B	mg/l	14.3 ±	0.118	0.485	3.4
Sulfate (as SO <sub>4</sub> )	N160 A	mg/l	53.9 ±	0.416	1.78	3.3
	N160 B	mg/l	29.5 ±	0.207	0.973	3.3
Total-P (as PO <sub>4</sub> )	N160 A	mg/l	1.19 ±	0.0184	0.0891	7.5
	N160 B	mg/l	0.925 ±	0.0149	0.0694	7.5
Total hardness	N160 A	mmol/l	5 ±	0.0376	0.15	3
	N160 B	mmol/l	2.14 ±	0.0185	0.0643	3
Total nitrogen	N160 A	mg/l	5.67 ±	0.147	0.47	8.3
	N160 B	mg/l	3.42 ±	0.0995	0.284	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)