

## Table of assigned values

| Parameter                     | Sample   | Unit | Assigned value $\pm$ U (k=2) | Criterion | Criterion [%] |
|-------------------------------|----------|------|------------------------------|-----------|---------------|
| Chloride                      | AB18     | mg/l | 1670 $\pm$ 33.7              | 83.5      | 5             |
| El. conductivity (25°C)       | AB18     | mS/m | 751 $\pm$ 4.32               | 15        | 2             |
| Evaporation residue           | AB18     | mg/l | 5840 $\pm$ 122               | 584       | 10            |
| Fluoride                      | AB18     | mg/l | 0.355 $\pm$ 0.0246           | 0.0675    | 19            |
| NH <sub>4</sub> (as N)        | AB18     | mg/l | 0.337 $\pm$ 0.0189           | 0.0472    | 14            |
| NO <sub>2</sub> (as N)        | AB18     | mg/l | 0.248 $\pm$ 0.00825          | 0.0211    | 8.5           |
| NO <sub>3</sub> (as N)        | AB18     | mg/l | 2.7 $\pm$ 0.0881             | 0.216     | 8             |
| pH-value                      | AB18     |      | 7.02 $\pm$ 0.0466            | 0.14      | 2             |
| PO <sub>4</sub> (as P) *      | AB18     | mg/l | - $\pm$ -                    | -         | -             |
| Sulfate (as SO <sub>4</sub> ) | AB18     | mg/l | 1620 $\pm$ 17.1              | 81.2      | 5             |
| TOC (as C)                    | AB18 TOC | mg/l | 23.1 $\pm$ 0.663             | 1.78      | 7.7           |

\*Due to the high reproducibility standard deviation (>50%) for the following parameter, no assigned value could be established. For information purposes, the calculated mean value (MV  $\pm$  U(k=2)) based on the results of the accredited laboratories (n) after outlier removal is provided. This data can be used for comparison as part of your internal QA measures.

PO<sub>4</sub> (as P):

MV (n=16, accr.)  $\pm$  U(k=2): 0.079  $\pm$  0.0280 mg/l

### 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) |