

WASTEWATER TESTING

WORK INSTRUCTIONS

YEAR 2026 PROGRAMME

PT ID: QDJV-2-2026

1. GENERAL INSTRUCTIONS

1.1. Storage of samples

The analyses shall be carried out **as soon as possible after sample receipt**, and **immediately after the necessary dilutions have been prepared**.

The samples must be stored **unopened, refrigerated (4 ± 2 °C), and protected from light** until processing.

With regard to sample handling, please comply with the **laboratory safety regulations applicable to chemical substances**, and treat the proficiency testing samples **in the same manner as the majority of routine samples analysed in your laboratory**.

1.2. Sample preparation

The samples are **synthetic samples**, with the matrix consisting of **filtered Danube water**.

The samples have been **preserved with sulfuric acid** in accordance with **MSZ EN ISO 5667-3:2018**, taking into account the properties of the analytes. Further information on sample preservation is provided in the **QualcoDuna proficiency testing programme description**.

The analytes are present in **dissolved form**; therefore, the samples **do not require filtration**.

The samples shall be processed **individually**. No dilution is required; the measurements can be carried out directly on the samples.

2. SAMPLES

2.1. SZV-Org-7, SZV-Org-8

| Sample ID | Dilution | Parameters | Expected range ($\pm 15\%$) |
|-----------|----------|------------|-------------------------------|
| SZV-Org-7 | without | Total OSE | 5-35 mg/minta |
| SZV-Org-8 | dilution | | |

All laboratories have received the same amount of sample for analysis; therefore, **its volume does not need to be measured**.

The entire sample must be used for the analysis, and the results shall be reported based on the volume of the supplied sample (**mg/sample**).

3. SUBMISSION OF RESULTS

Participants are requested to report the measured values together with their **expanded measurement uncertainty** (coverage factor $k = 2$), expressed in the **same unit** as the measurement results.

Results must be submitted electronically via www.qualcoduna.hu electronic submission portal.

Results submission steps:

- Open the website and select **Login to electronic services**.
- Log in to access the participant interface.
- Select **Recording and viewing measurement results**.
- After submission, a confirmation will be generated (save/print it).
- Keep and verify the confirmation.
- **Important:** if no confirmation appears, submission was not successful.

SUBMISSION DEADLINE: JULY 3, 2026 (FRIDAY)

Results submitted after the deadline, values marked with “<” or “>”, or results in different units will not be considered. (Reference: ISO 13528:2022. Statistical methods for use in proficiency testing by interlaboratory comparisons).

Reporting zero ("0") as a result will be considered a physically incorrect value and will be evaluated.

Budapest, 21st May, 2026

A handwritten signature in blue ink, appearing to read "Dr. Norbert Mátrai".

Dr. Norbert Mátrai
Head of Department