APC 238
Total Nitrogen
MR 5 – 40 mg/L TN_b

DOC312.53.94335

Principle
Inorganically and organically bonded nitrogen is oxidized to nitrate by digestion with peroxodisulphate. The nitrate ions react with 2.6-dimethylphenol in a solution of sulphuric and phosphoric acid to form a nitrophenol.

Range of Application
Water, waste water

Interferences

T1

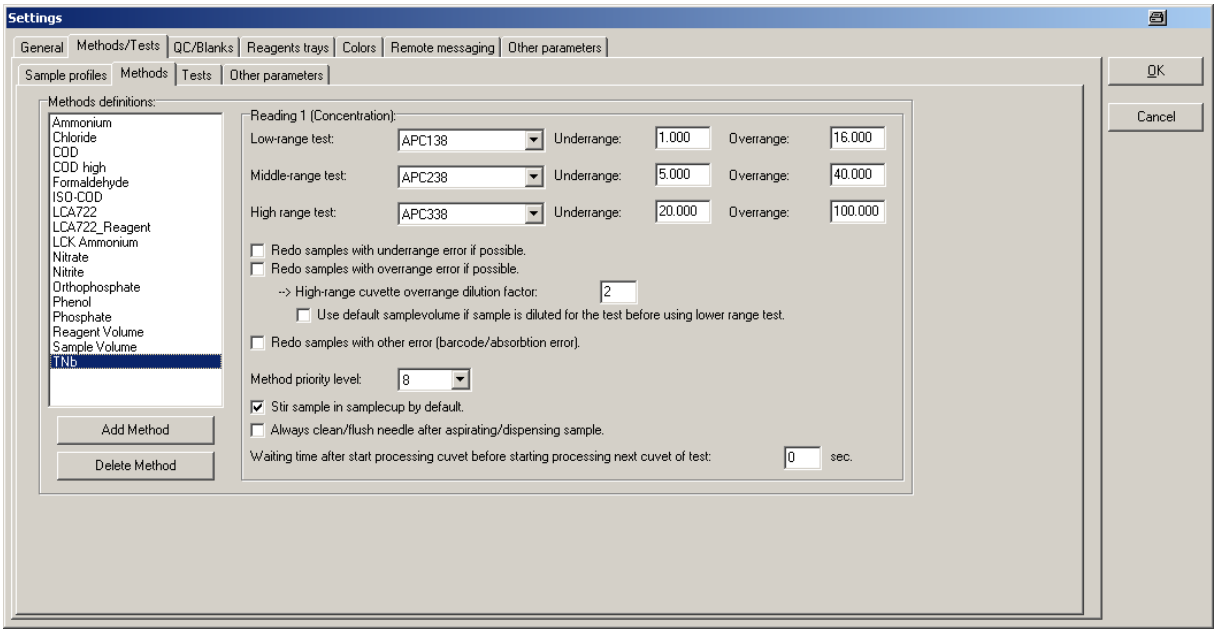
1000 mg/l: CZV / COD
2000 mg/l: Cl^-

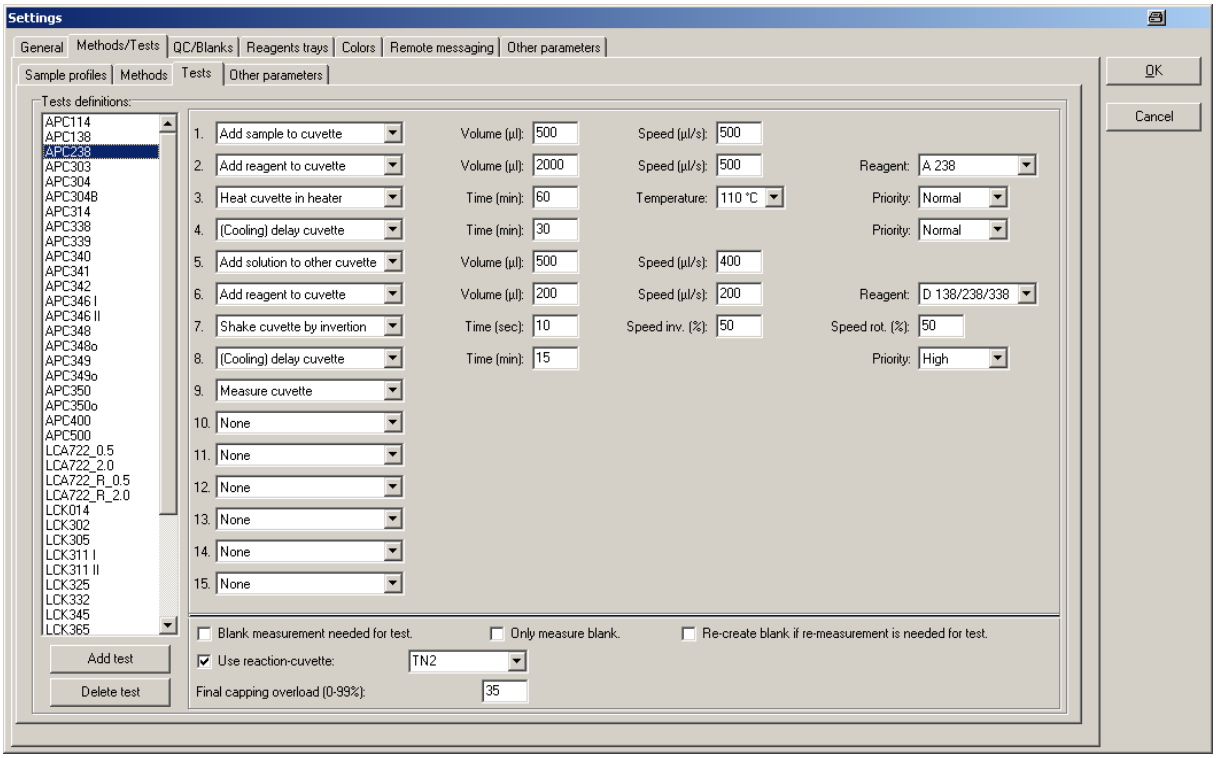
The ions listed in T1 have been individually checked up to the given concentrations and do not cause interference. We have not determined cumulative effects and the influence of other ions.

Low-bias results are to be expected if the samples contain larger amounts of reducing agents. The measurement results must be subjected to plausibility checks (dilute and/or spike the sample).

Sample Volume	**0,5 mL**
Reagent A Volume	**2,0 mL**
Reagent D Volume	**0,2 mL**
Reagent A Filling	**60 mL**
Reagent D Filling	**25 mL**
Temperature Sample/sample cuvette	**15 – 25°C**
pH sample	**3 – 12**
Digestion Temperature/Time	**110°C/1h**

Method Library:
APC238 is pre-programmed in the method library. Please check under Settings/Software/Application/Methods **TNb** and Tests **APC238.**

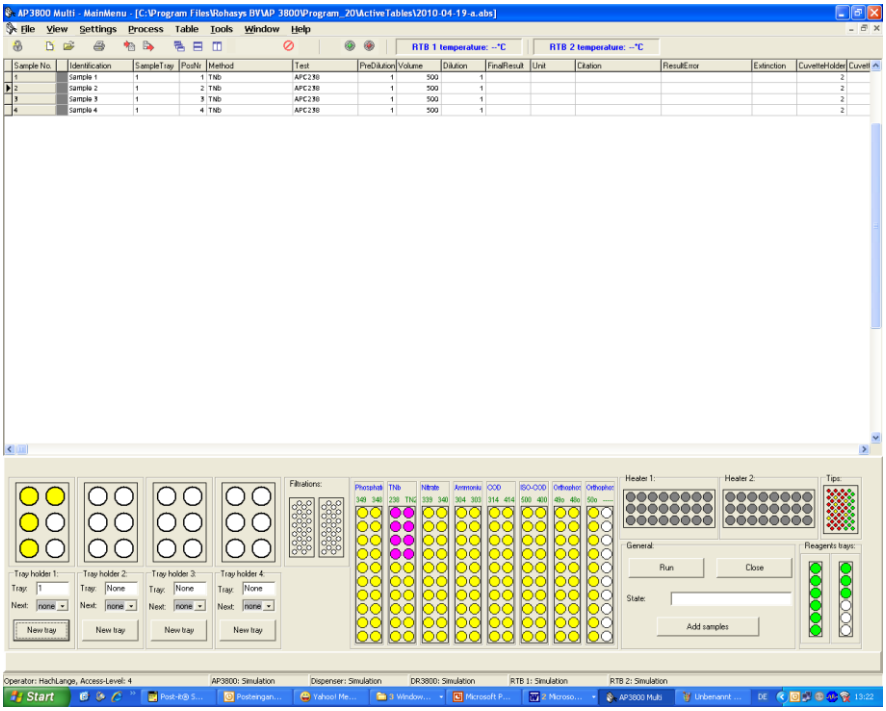




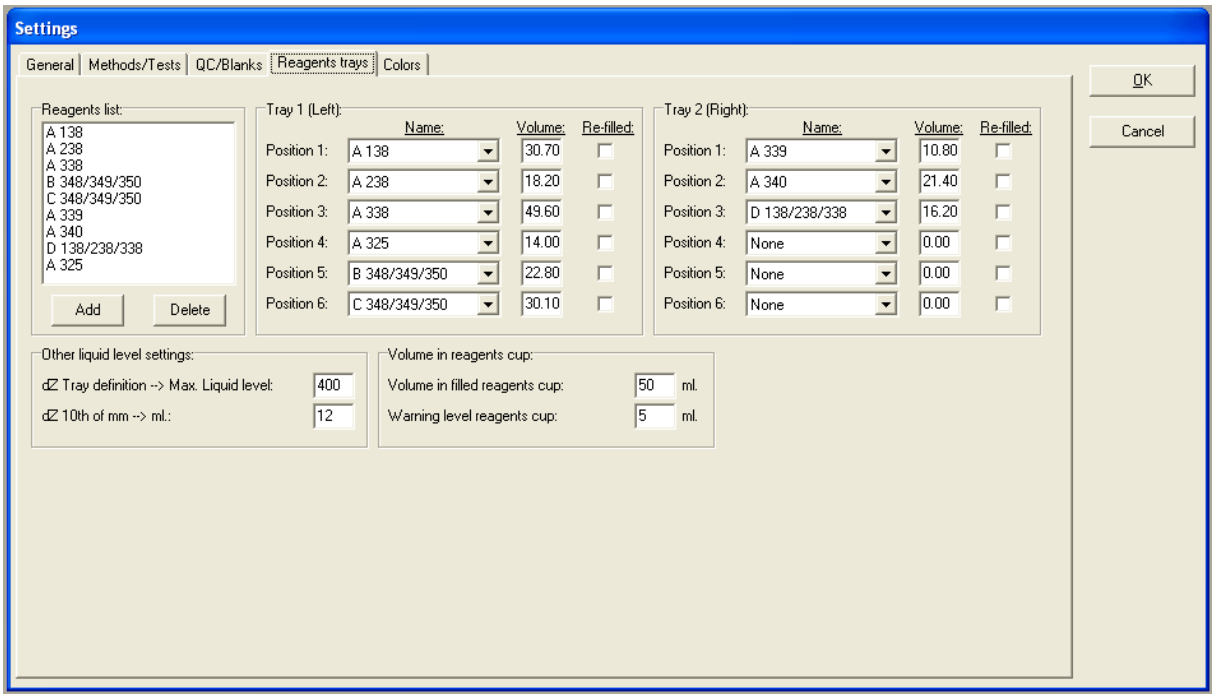
Run the APC 238 total Nitrogen method

Create a Run like described in the QUICK GUIDE

- Place the APC238 digestion (TN2; APC938-25) and reaction cuvettes (APC238-25) according to the settings in the Software in the cuvette racks.



- Place the samples according to the settings in the Software in the sample racks
- Place the Reagent A and D according to the settings in the Reagent trays



- Check if fresh and enough pipette tips are available
- Check if enough Rinsing/Dilution water is available
- Initialise the AP 3900 multi and the Dispenser

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