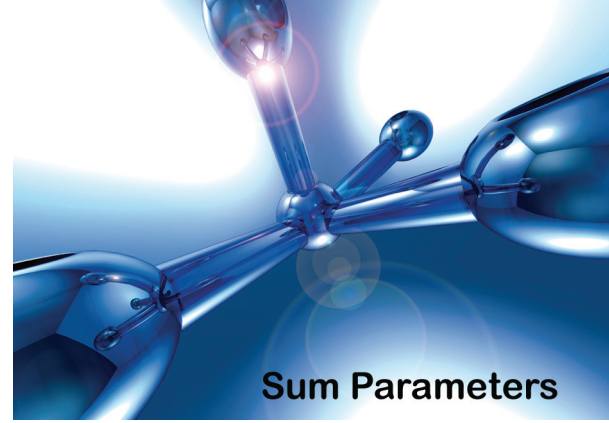


Application Note

Determination of the detection and determination limit of NPOC with the standard catalyst



Measurement parameters

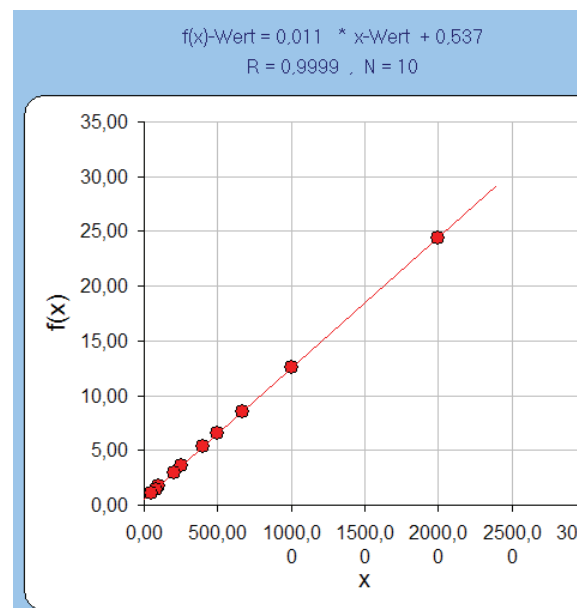
System: TOC-V CPN
 Catalyst: Standard catalyst
 (Platinum balls)
 Injection volume: 150 µL

Calibration Curves

Preparation of a 10 point calibration curve with the auto dilution function of the TOC-V system. The results are depending of the performance of the catalyst and the quality of the ultra pure water

Stock solution: 2000 µg/L

Dilution factor	Concentration in µg/L	Areas
40	50	1,04 ± 0,06
25	80	1,41 ± 0,04
20	100	1,71 ± 0,11
10	200	2,94 ± 0,08
8	250	3,57 ± 0,03
5	400	5,39 ± 0,09
4	500	6,56 ± 0,15
3	666,67	8,53 ± 0,13
2	1000	12,60 ± 0,21
1	2000	24,38 ± 0,35



Calculation of detection and determination limit according to DIN 32645

Detection limit: 8 ppb
 Determination limit: 30 ppb

The given specifications serve purely as technical information for the user. No guarantee is given on technical specification of the described product and/or procedures.