TOC Evolution VUV

Complete two-stage measurement of TOC. Detection of organic carbon (OC) with simultaneous and direct measurement of various TOC groups by oxidation and measurement of the produced CO_2 (NDIR).

Reliable and accurate for various applications including potable water per EN DIN 1484.

Quick response time - 5 to 8 minutes per TOC determination

Easily accessible peristaltic pump modules and quick tubing renewal

Low maintenance, low operation cost

Automatic zero-point detection for highest data integrity

Oxidation and stripping by the integrated reactor - less than 3 liters of oxidant reagents consumed per month

10 ppb LOD for reliable results in low measuring ranges

Total Organic Carbon (TOC)

0-2 to 0-5 ppm (LOD = 10 ppb)
0-10 to 0-100 ppm (LOD = 100 ppb)
>100 to 0-1000 ppm (with dillution)

Total Inorganic Carbon (TIC)

0-100 ppm

Total Carbon (TC)

0-5 ppm or 0-30 ppm

Chemical Oxygen Demand (COD)

by correlation (optional)

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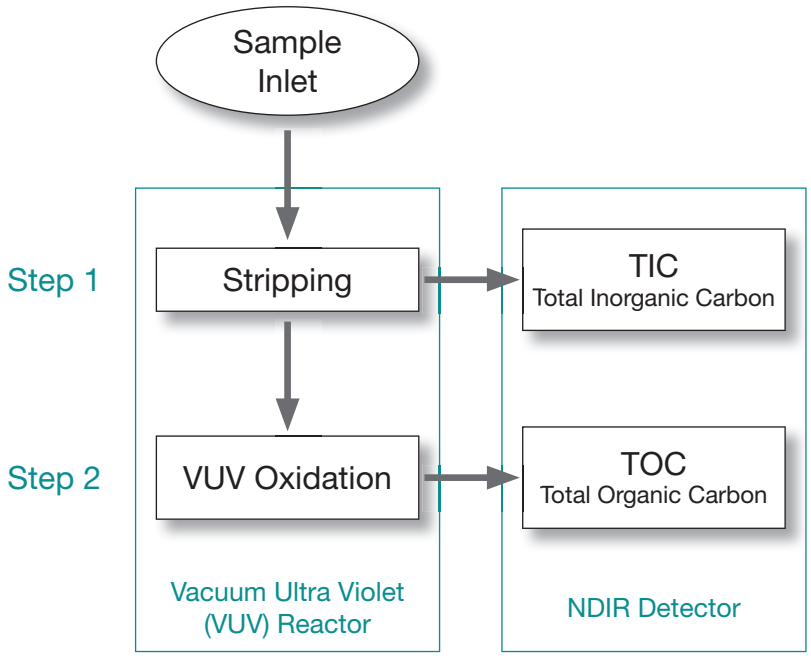
TOC Evolution VUV



Range of Applications

Industrial Process Condensate
Early warning for leakages in water steam cycles. Determinate contamination reliably to avoid costly system damages.

Potable water treatment and surface water
Accurate and fast detection of natural organic matter (NOM), disinfectants and possible disinfection byproducts (DBPs).

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