Thermalox™ TOC-TN
The modern alternative to COD and TKN

Thermal oxidation with unrivalled sensitivity
Aqueous matrices with a solids option
TOC, TC, TIC, NPOC, POC, TNb


Thermalox employs the thermal catalytic oxidation technique to give near perfect oxidation, but combines this with the most sensitive CO₂ and NO detectors manufactured anywhere.

- Catalytic thermal oxidation. The only way to measure 'real' samples containing particulate or difficult to oxidise materials
- Standard Deviation better than 20ppb on low level Carbon
- Standard Deviation better than 10ppb on low level Nitrogen
- Upper Range Limit greater than 50,000ppm for TOC
- Detection Limit of better than 40ppb for TOC and 10ppb for TNb
- Analysis time less than two minutes per replicate
- Complete recovery, including suspended solid fraction
- Handles salts and particulate easily
- Holds up to 155 samples
- Chilled vial rack
- Complete washing between samples ensures no carry over
- Totally software driven from a Windows™ based platform
- Automatic preparation of calibration standards

Remember – you can have stand alone TOC, stand alone TNb or combination TOC/TNb
Thermalox tolerates salts and suspended material without sacrificing detection limits
Thermalox employs the thermal catalytic oxidation technique to give near perfect oxidation, but combines this with the most sensitive CO₂ and NO detectors manufactured anywhere.

Visit us at www.analyticalsciences.com

Total Organic Carbon, Total Nitrogen
Total Recovery

Analytical Sciences, Cambridge, England CB3 9EY: Telephone: +44 (0) 1223 569150
Facsimile: +44 (0) 1223 569152; email: sales@analyticalsciences.com