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, TN_b

Total Organic Carbon: Total Carbon: Total Inorganic Carbon: Non-purgeable Organic Carbon: Purgeable Organic Carbon: Total Nitrogen

Remember – you can have stand alone TOC, stand alone TN_b or combination TOC/TN_b

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 CO_2 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 TN_b*
- *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*

Visit us at www.analyticalsciences.com

Total Organic Carbon, Total Nitrogen

Total Recovery

analytical sciences

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