

# Total Organic Carbon (TOC) Analyzer



**Aurora 1030 TOC Analyzer**



### Aurora 1030D Dual Oxidation Mode

- ◆ Performs High Temperature Combustion and Heated Persulfate Wet Oxidation on the same instrument



### Aurora 1030C Combustion Mode

- ◆ High Temperature (680°C) Catalytic combustion technique with platinum catalyst
- ◆ Measuring range 100ppbC -30,000ppmC



### Aurora 1030W Wet Oxidation Mode

- ◆ Heated Persulfate Wet Oxidation technique
- ◆ Measuring range : 10ppbC -30,000ppmC



### Aurora 1030W² High Throughput Wet Oxidation Mode

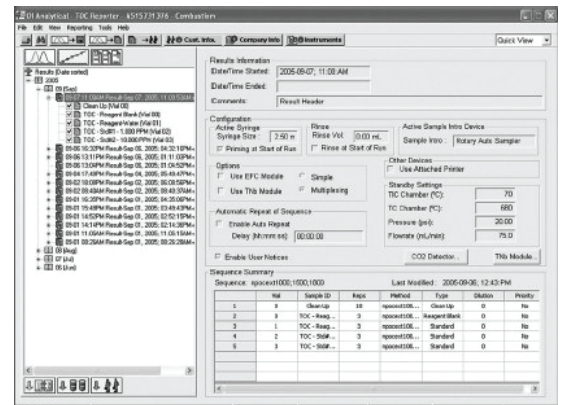
- ◆ Two parallel wet oxidation chambers allowing concurrent sample processing to increase sample throughput

## Test Method Supported by Aurora 1030 TOC Analyzer

Method	Sample / Application
Standard Method 5310 B	Wastewater, Ground & Surface Water
Standard Method 5310 C	Drinking Water & Wastewater
USEPA 415.1 & 415.3	Drinking Water
USEPA 9060A	Wastewater, Ground & Surface Water
USEPA-DBPR	Disinfection Byproduct Rule
USEPA-SPCC	Spill Prevention & Control Countermeasures
ISO 8245	Drinking Water, Wastewater
EN 1484	Surface & Ground Water, Potable Water
ASTM D7573-09	Water, Wastewater, Seawater
ASTM D 4779	Ultrapure Water
ASTM D 4839	Wastewater, Seawater

## ATOC Software

- ◆ 21 CFR part 11 compliance
- ◆ Compatible with LIMS system



## Upgrades for Aurora 1030

### 1030S Solids Module

- ◆ TC & TOC analysis for soil, sludge, powder samples



### TN<sub>b</sub> Module ( for 1030C & 1030D)

- ◆ Direct measurement of Total Bound Nitrogen (TN<sub>b</sub>) concentration



### Model 1088 Rotary Autosampler

- ◆ 88 position autosampler