

OI Analytical's benchtop TOC analyser for Australian drinking water, pharmaceutical, and environmental labs. The Aurora 1030W measures TOC, TIC, and NPOC by heated persulfate oxidation, with a 2 ppb detection limit, range to 30,000 ppm, and throughput up to 300 samples per day.

SPECIFICATIONS

Measurement Principle	Heated sodium persulfate oxidation with NDIR detection
Detection Limit	2 ppb C (IDL)
Measurement Range	10 ppb – 30,000 ppm (programmable)
Measurement Modes	TOC, TC, TIC, NPOC
Throughput	Up to 300 samples per 24 hours
Autosampler	88-position rotary (optional, bench-integrated)
Software	ATOC (21 CFR Part 11 compliant)
Regulatory Methods	USEPA, Standard Methods, ASTM, DIN/ISO/CEN, USP, EU Methods

FEATURES

- ▶ Measurement principle: heated sodium persulfate oxidation with NDIR detection
- ▶ Detection limit: 2 ppb C instrument detection limit (IDL)
- ▶ Calibration range: 10 ppb to 30,000 ppm (programmable)
- ▶ Measurement modes: TOC, TC, TIC, NPOC
- ▶ Throughput: up to 300 samples per 24 hours
- ▶ Optional second oxidation chamber for concurrent sample processing
- ▶ Optional 88-position rotary autosampler (bench-mounted underneath)
- ▶ ATOC software with 21 CFR Part 11 compliant data handling, audit trail, and reporting
- ▶ Reaction chamber rinse between analyses eliminates carryover
- ▶ Compact benchtop design

APPLICATIONS

- ▶ Drinking water quality monitoring
- ▶ Pharmaceutical cleaning validation
- ▶ Pharmaceutical water system compliance (USP TOC)
- ▶ Municipal wastewater and effluent monitoring
- ▶ Groundwater and surface water environmental analysis
- ▶ Process water and boiler feed water / condensate
- ▶ Metal plating solution analysis
- ▶ Ultrapure water quality control