

FOR IMMEDIATE RELEASE

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**What:** Elementar introduces a new, modular and highly versatile system platform for the determination of total organic carbon, total nitrogen and total phosphorus.

**Why:** The **acquray series**: a new innovative system ideal for a multitude of different applications thanks to its unique modular design – allowing labs to invest in only what they need at the time but still grow into different markets.

**How:** The acquray series is composed of a TOC analyzer module, a TNb module, a TP module and a combustion furnace for solids.

The TOC module is based on a chemical oxidation process supported by high-energy UV radiation. This combination ensures complete digestion of all organic compounds. The attachment of extra modules for the additional determination of total nitrogen and phosphorus (patent pending) allows labs to add Phosphorous and Nitrogen as needed. For increased sample throughput, an autosampler is available, offering several carousels for different sample vial sizes.

A combustion furnace module for solid samples can be attached as well. The dynamic heater design allows TOC analysis of solids via acidification prior to combustion at constant temperature, but **also** the determination of TOC, TIC and ROC with the new, more advanced method via temperature ramping without acidification, saving lots of time.

With the acquray series, Elementar has a full portfolio of TOC analyzers for clean, process waters, dirty, harsh waters and soils, solids.

**Who:** Elementar Americas is the sales, service and support division of **Elementar Analysensysteme GmbH** for North, Central and South America.

Elementar is the fastest growing designer/manufacturer of elemental and stable isotope analyzers.

Elementar Americas

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