

# TOC

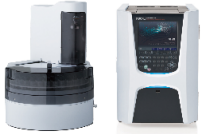
## Principle

**TOC (Total Organic Carbon)** is a quantitative indicator of organic material in a sample and it is determined by difference between TC (Total Carbon) and TIC (Total Inorganic Carbon). The system uses a combustion catalytic oxidation method @ 680°C, all carbon (TC) is converted into CO<sub>2</sub>. In the meantime, a simple acidification of the liquid sample is able to release in CO<sub>2</sub> from the carbonate and bicarbonate (TIC). The CO<sub>2</sub> released are quantified by IR sensor.

## Capabilities

- Elementary Analysis

## Assets

	Asset	Details
	<b>Shimadzu TOC-L and ASI autosampler and preparator</b>	TOC Analyzer

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