



Veolia's analytical instrumentation products help protect public health and the environment by assuring the quality of our most precious resource – water. We aim to:

- Create highly differentiated value
- Innovate meaningful solutions to critical customer problems
- Deliver an exceptional customer experience

The amount of organic carbon found in water, which can be an indicator of water quality or cleanliness, is called Total Organic Carbon, or TOC. TOC is often measured for treatment optimization, regulatory compliance, and process control. Removing organic contaminants from water helps to protect consumers, industries, and the environment.

Sievers instruments has more than 30 patents for technical innovations, including a proprietary Membrane Conductometric detection method that provides unmatched analytical performance. Our instruments simplify and lean out processes. We help customers maximize productivity without sacrificing compliance, accuracy, or ease of use. Using Sievers TOC Analyzers to obtain measurements allows operators to make quick, data-driven treatment decisions.



# Life Sciences

## Compliant. Efficient. Accurate.

For the life sciences industry, Veolia offers unmatched performance and efficiency for TOC testing.

Whether you are testing for compendial compliance, non-compendial cleaning validation, or other applications, Sievers instruments help you meet regulations, lean out processes, and align with best practices.



- Pharmaceutical
  - Biopharmaceutical
  - Medical devices
  - Cosmetics & personal care
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- Compendial water testing
  - Real-time testing
  - Simultaneous conductivity and TOC
  - Leachables and extractables
  - Cleaning validation (CV):
    - Method validation and continuous monitoring strategies
    - At-line and online CV

# Industrial & Environmental

## Source water. Process water. Wastewater.

Sievers TOC Analyzers provide our industrial and environmental customers with accurate carbon data that can be utilized to optimize processes, protect assets, and generate cost savings.



- Water & wastewater
  - Power generation
  - Chemical processing
  - Microelectronics
  - Food & beverage
  - Petrochemicals
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- Removal of organic contaminants
  - Minimize disinfection byproducts (DBPs)
  - Control treatment processes
  - Regulatory compliance
  - Leak detection
  - Monitor reuse/reclaim & source water

## Data Integrity & Compliance

Our analyzers and software comply with 21 CFR Part 11 and meet or exceed current data integrity guidelines.

## TOC analyzer spectrum

Veolia offers a variety of TOC analyzers enabling measurements from 0.03 ppb to 50,000 ppm.

## Sievers Instruments History

- 1 Sievers Instruments was formed by two colleagues from the University of Colorado.
- 1 Development of Sievers' Membrane Conductometric technology.
- 1 Sievers awarded contract to develop instrument for measuring TOC, pH, and conductivity in space.
- 1 Acquired by Ionics, Inc.
- 200 GE's Water & Process Technologies business acquired Ionics to expand water purification offerings.
- 201 Opened Tatabanya, Hungary facility to better serve EMEA customers.
- 201 SUEZ acquires GE's Water & Process Technologies business and forms SUEZ - Water Technologies & Solutions. Sievers instruments becomes one of SUEZ's new product brands.
- 201 Achieved highest combined accreditation standard in the industry – ISO 17034 and ISO/SEC 17025 – for the production and testing of TOC and conductivity standards.
- 2022 Sievers Instruments become part of Veolia

# Solutions

- M9 / M5310 C TOC Analyzers
- 500 RL / 500 RLe TOC Analyzers
- InnovOx TOC Analyzer
- CheckPoint TOC Sensor
- Boron Analyzer
- ISO/IEC 17025 & ISO 17034 Standards
- Traceability & Failure Analysis Reports
- Custom standards, made to order
- Certified Low TOC Vials
- Dual Use Conductivity & TOC (DUCT) Vials
- Pre-acidified vials and more
- Qualification (IQ/OQ/PQ) Services
- Preventative Maintenance Service Contract
- Certified Plus Service Contract
- Global Technical Support
- Validation Support Packages
- Applications Lab: Recovery Studies and Method Development



**Veolia Water Technologies**  
Please contact us via:  
[www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com)