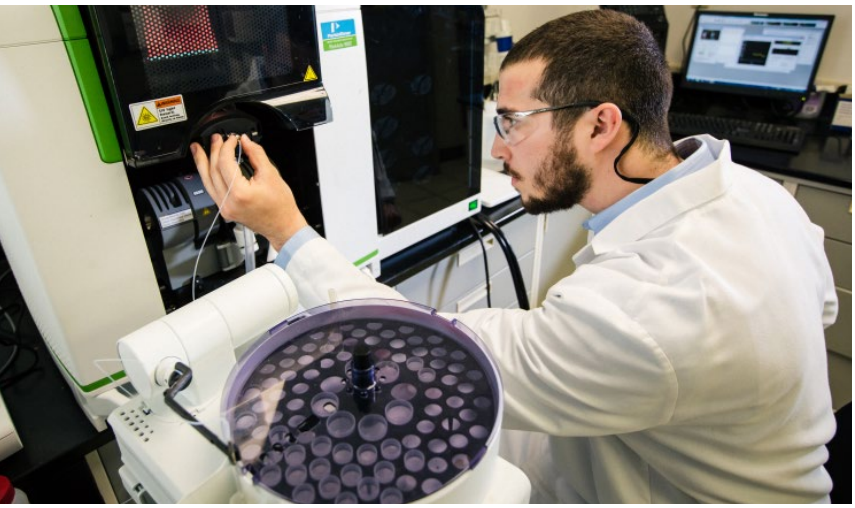
ChemTreat

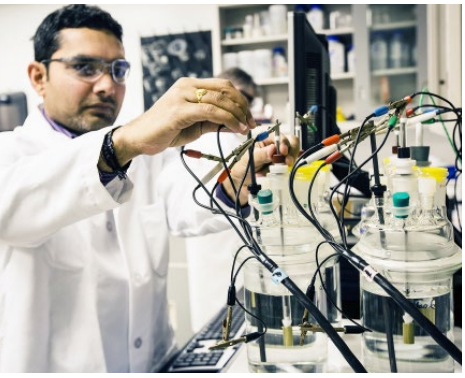
Laboratory Support Capabilities

ChemTreat maintains a fully functional laboratory equipped with modern, high-technology equipment to support the growing needs of customers and field personnel.

Customers and prospective customers are encouraged to visit ChemTreat's Analytical Lab and Research & Development (R&D) department, both located at our Ashland, Virginia facility. In the Analytical Lab, ChemTreat utilizes a variety of advanced analytical instrumentation for detailed reporting, including wet chemistry methods for water and wastewater analyses, as well as deposit and microbiological composition.

ChemTreat's R&D department's objective is the development of proprietary, environmental-friendly and cost-effective technologies for all water treatment industries. In today's highly competitive market, the application of state-of-the-art technology, coupled with superior customer service, makes all the difference.





ANALYTICAL LAB

- Eight Channel Liquid Particle Counter
- Chromatography capabilities including
  - Ion Chromatography (IC)
  - Gas Chromatography (GC)
- Metals analysis including
  - Inductively Coupled Plasma (ICP)
  - Mass Spectrometry (ICP-MS)
  - Atomic Absorption Spectroscopy (AAS)
- Mercury analysis by cold vapor atomic fluorescence (CVAF)
- Inorganic deposit analysis by X-Ray Fluorescence (XRF)
- Organic classifications by Fourier Transform Infrared Spectroscopy (FTIR)
- Total Organic Carbon analyzer using UV-Persulfate

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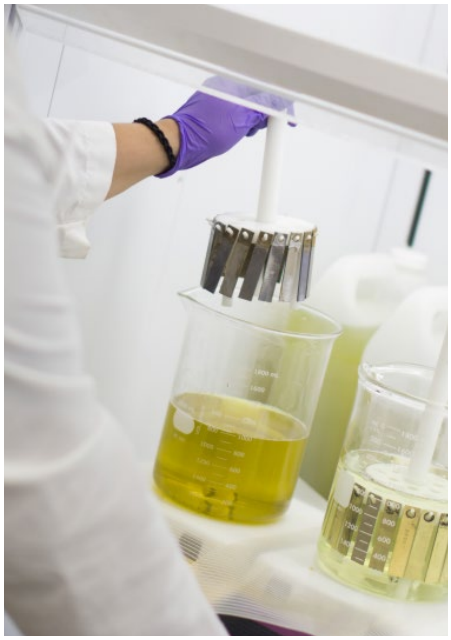

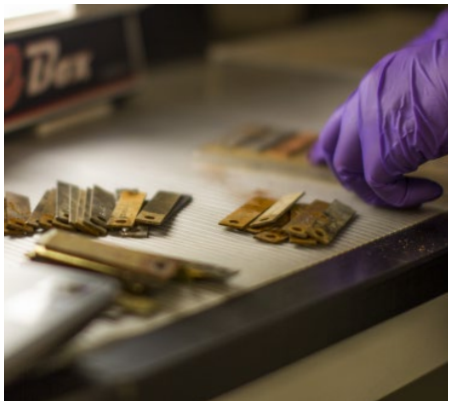

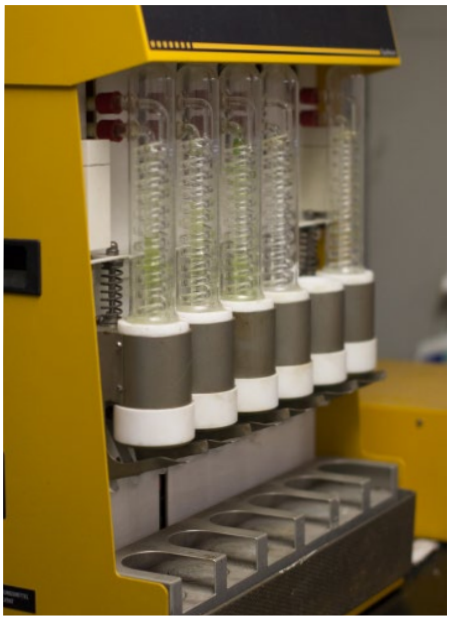

RESEARCH & DEVELOPMENT

- **Microbiological**
  - Leica high-definition microscope with fluorescence and video capture
  - Bacterial enumeration and characterization
  - Biocide performance and evaluation
  - Planktonic and sessile bacteria enumeration via MPN
- **Flow Assurance**
  - Cold Finger Apparatus for Paraffin/Wax deposition testing
  - Asphaltene inhibitor product screening and performance testing
  - Scale Inhibitor product screening & performance testing
  - Cleaning efficacy test equipment, surfactant/solvent capabilities
- **Corrosion**
  - Temperature controlled sparged beaker tests
  - Stirred autoclave with ambient temperature up to 450° C and 2,500 psi
  - High Speed rotating cylinder electrode
  - Corrosion failure analysis
  - Scanning Electron Microscope

ADDITIONAL CAPABILITIES

Advanced Instrumentation:

- State-of-the-art technology for new product development (ISO-9000 certified)
- Testing capabilities based on customer requirements and unique needs
- Comprehensive Certificates of Analysis & field service reports

Industry Expertise:

- Global network of experienced field engineers
- Fastest turnaround time in the industry (less than 5 days)
- Customized solutions for customer challenges

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