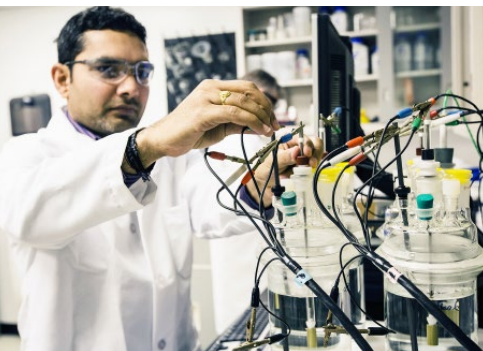


ChemTreat Laboratory Support Capabilities

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



RESEARCH & DEVELOPMENT

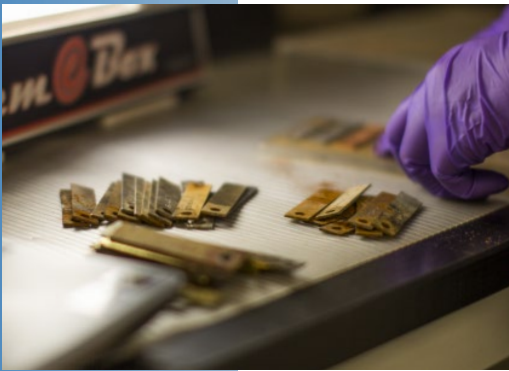


• Microbiological

- 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

