



GC Technical Training

Module Name: GC Troubleshooting and Maintenance - Basic

Time Allocated: 1.5 - 2 hours

Intended Audience: This module assumes no previous gas chromatography knowledge

.Content Covers:

- Recognizing problem symptoms
- Problem-solving strategies
- Cause and effect
- Most common injector problems
- Most common detector problems
- Most common column problems
- Peak shape changes
- Baseline changes
- Retention time changes
- Data system problems

At the completion of this seminar, attendees should be able to:

- Outline a systematic approach for problem solving
- Be able to differentiate between septum bleed and column bleed
- Use a problem solving strategy to differentiate between inlet contamination and column contamination
- Know the main techniques for column regeneration and which one to use
- Recognize the main peak shape problems, namely tailing, fronting, broad and flat peaks and know how to fix them
- Recognize the 10 most common symptoms of GC faults and know how to fix them