



# Techniques of Gas Chromatography

## Agilent Chemical Analysis Training Courses

<p><b>H4002A</b></p> <p>Five Days Hands-On Operation</p> <p><b>Description</b> Introduces the fundamental concepts of gas chromatography. Provides hands-on experience using the Agilent 5890 gas chromatograph using capillary columns and the Agilent 3396 integrator.</p> <p>Includes practical course exercises and important troubleshooting guidelines.</p> <p><b>4.0 CEUs</b></p>	<p><b>Course Outline</b></p> <p>Day One</p> <ul style="list-style-type: none"> <li>• Overview of Gas Chromatography</li> <li>• Instrument Startup</li> </ul> <p>Day Two</p> <ul style="list-style-type: none"> <li>• Sample Introduction</li> <li>• Packed and Split Inlets</li> <li>• Inlet Troubleshooting and Maintenance</li> </ul> <p>Day Three</p> <ul style="list-style-type: none"> <li>• Column Theory and Selectivity</li> <li>• Column Temperature Operation</li> </ul> <p>Day Four</p> <ul style="list-style-type: none"> <li>• Detectors: General Characteristics</li> <li>• TCD/FID: Operation, Maintenance and Troubleshooting</li> </ul> <p>Day Five</p> <ul style="list-style-type: none"> <li>• Data Acquisition</li> <li>• Logical Troubleshooting</li> </ul>	<p><b>Prerequisites</b></p> <p>None</p> <p><b>Student Profile</b></p> <p>A new gas chromatograph user who wants to learn how to use this workhorse chemical analysis system correctly and efficiently.</p> <p><b>Equipment Used during Training</b></p> <ul style="list-style-type: none"> <li>• Agilent 5890A or Series II GC</li> <li>• Flame ionization and thermal conductivity detectors</li> <li>• Agilent Series II integrators</li> </ul>
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