Datasheet

Micro GC Fusion® - Monitoring Hydrogen Concentrations in Ambient Air

Introduction

This datasheet highlights the 10 m Molsieve module used to test for hydrogen in ambient air. Several chromatograms are overlaid below - each with a different concentration of hydrogen.

Starting Parameters

These parameters can be used as a starting point for creating a method and can be adjusted to ensure all compounds are fully separated. Exact retention times will vary from GC to GC, but the compound order remains the same.

Method Parameter	Module – 10 m Molsieve, Backflush Injector (GCM-W02)
Inject time	60 ms
Backflush time	60 s
Injector temperature	90°C
TCD temperature	70°C
Column pressure and carrier gas	40 psi, 99.999% nitrogen
Column temperature	110°C (30 s)
Sample pump time	15 s
Sample inlet temperature	50°C

Chromatogram