



Hydrocarbons, C₂ and CO₂

Fast separation of hydrocarbons and CO₂ in chlor-alkali cell

Application Note

Energy & Fuels

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Introduction

Gas chromatography with an Agilent PoraPLOT U column and Agilent 490 Micro GC separates carbon dioxide and C₂ hydrocarbons in a chlor-alkali cell in 60 seconds.



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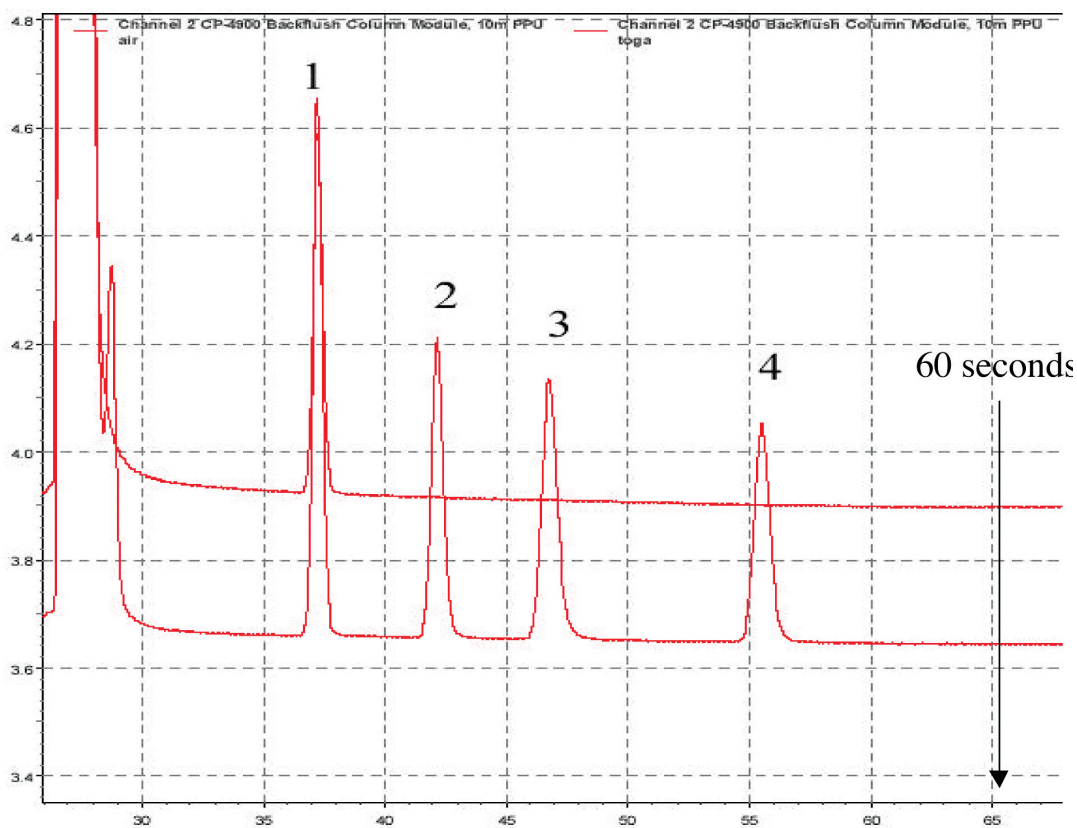
Conditions

Technique : Micro-GC
GC-Channel : Agilent PoraPLOT U, 0.32 mm x 10 m
Temperature : 50 °C
Carrier Gas : Helium, 180 kPa
Injector : 150 ms, 110 °C
BackFlush : -
Detector : chip TCD

Courtesy : Jim Luong and Rhonda Gras, Dow Chemical Canada

Peak identification

1. carbon dioxide
2. ethylene
3. ethane
4. acetylene



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This information is subject to change without notice.

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