# $C_1$ – $C_4$ hydrocarbons

## Application Note

Energy & Fuels


### Authors

Agilent Technologies, Inc.


### Introduction

Gas chromatography with an Agilent CP-$Al_2O_3$/KCl column and Agilent 490 Micro GC separates $C_1$ to $C_4$ hydrocarbons in 100 seconds.

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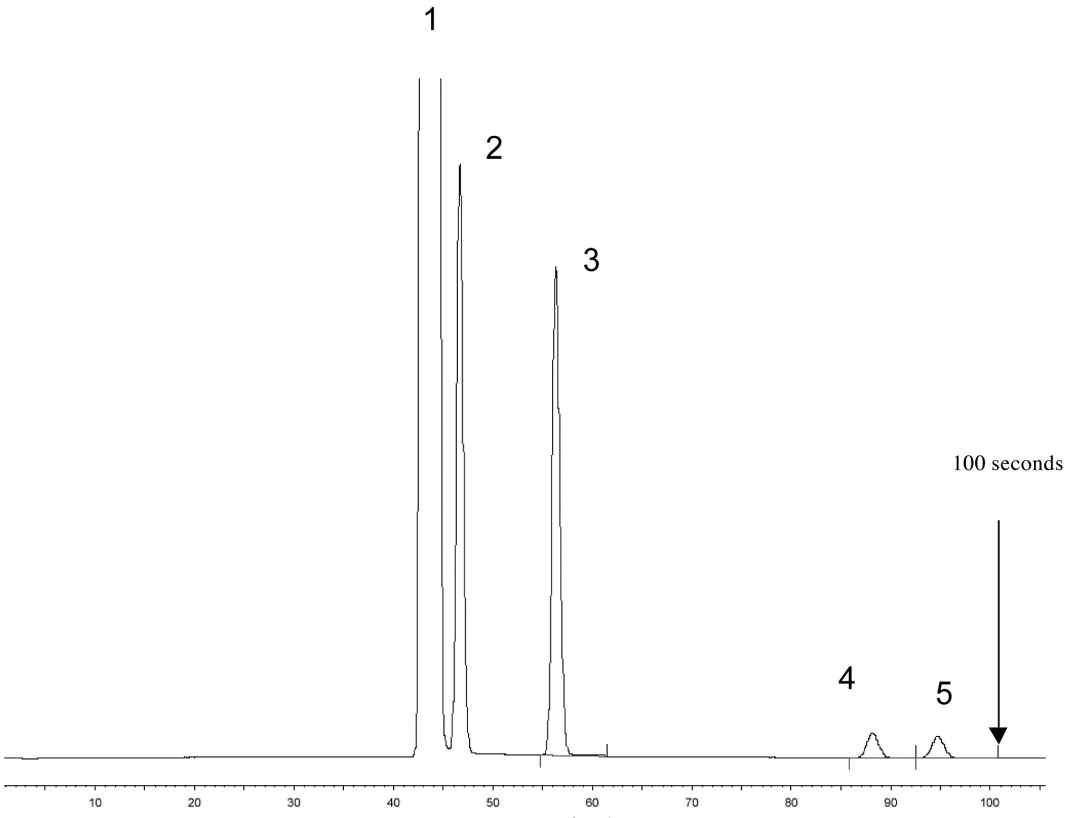
## Conditions

| | |
|---|---|
| Technique | : Micro-GC |
| GC-Channel | : Agilent CP-$AL_2O_3$/KCl, 0.32 mm x 10 m |
| Temperature | : 70 °C |
| Carrier Gas | : Helium, 80 kPa |
| Injector | : 150 ms, 110 °C |
| BackFlush | : - |
| Detector | : chip TCD |

Courtesy : Jim Luong and Rhonda Gras, Dow Chemical Canada

## Peak identification

1. air
2. methane
3. ethylene
4. iso butane
5. butane

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