



Gases

Fast separation of neon, nitrogen and oxygen

Application Note

Energy & Fuels

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Introduction

Gas chromatography with an Agilent CP-Molsieve 5Å column and Agilent 490 Micro GC separates neon, oxygen, and nitrogen in 40 seconds.



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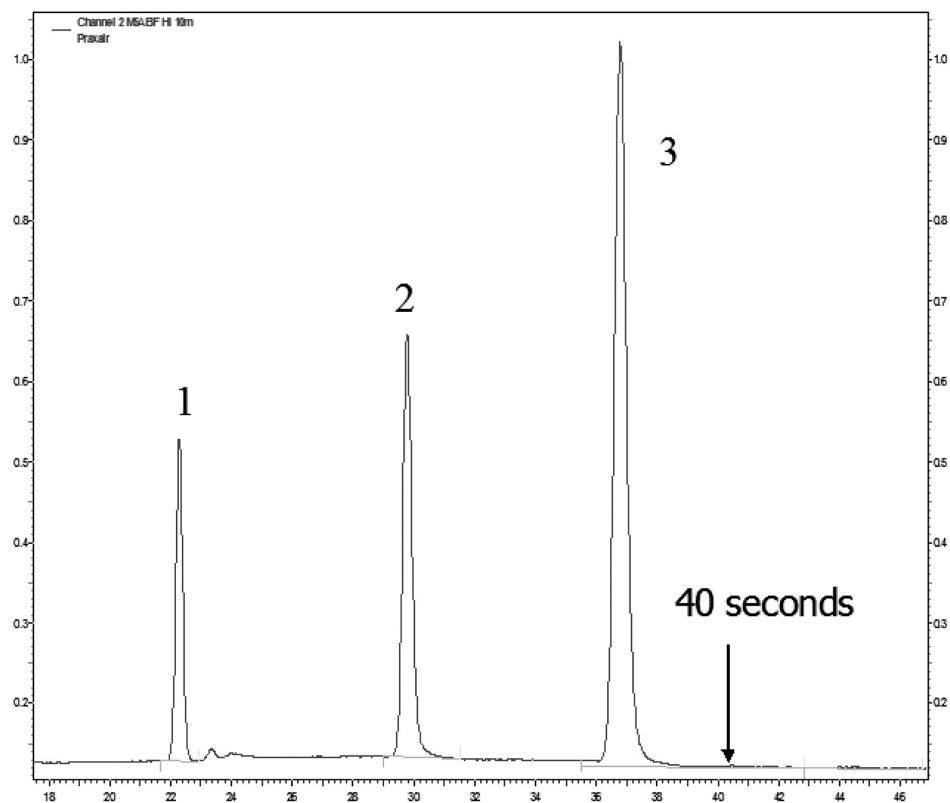
Conditions

Technique : Micro-GC
GC-Channel : Agilent CP-Molsieve 5Å
Temperature : 100 °C
Carrier Gas : Helium, 26 psig
Injector : 100 ms, 110 °C
BackFlush : after 7 s
Detector : chip TCD

Courtesy : Jim Luong, Dow Chemical Canada

Peak identification

- | | |
|-------------|--------------------|
| 1. neon | 0.049% |
| 2. oxygen | 0.0494% |
| 3. nitrogen | 0.0982% in methane |



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This information is subject to change without notice.

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