

## **Gases**

# Fast separation of neon, nitrogen and oxygen

## Application Note

Energy & Fuels

### **Authors**

Agilent Technologies, Inc.

### **Introduction**

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



**Agilent Technologies**

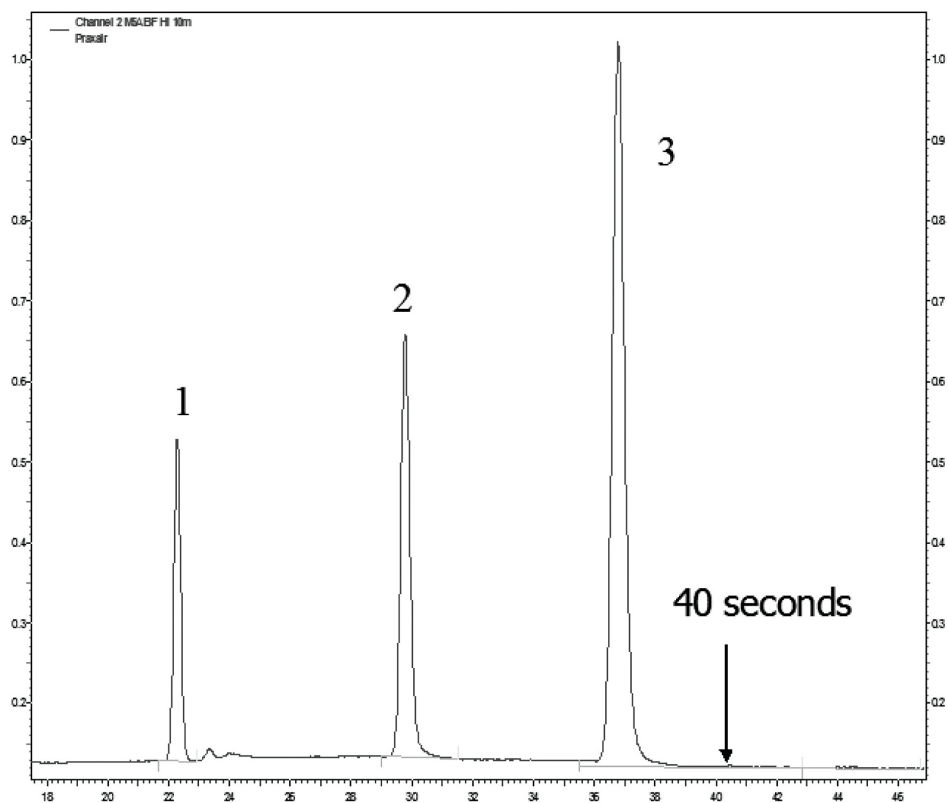
## Conditions

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



[www.agilent.com/chem](http://www.agilent.com/chem)

This information is subject to change without notice.

© Agilent Technologies, Inc. 2011

Printed in the USA

31 October, 2011

First published prior to 11 May, 2010

A02062



**Agilent Technologies**