



# Refrigerants

## Application Note

Environmental

### Authors

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### Introduction

Fast GC analysis of refrigerant impurities in CFC-143A is achieved in less than 50 seconds using an Agilent PoraPLOT U column and Agilent 490 Micro GC.



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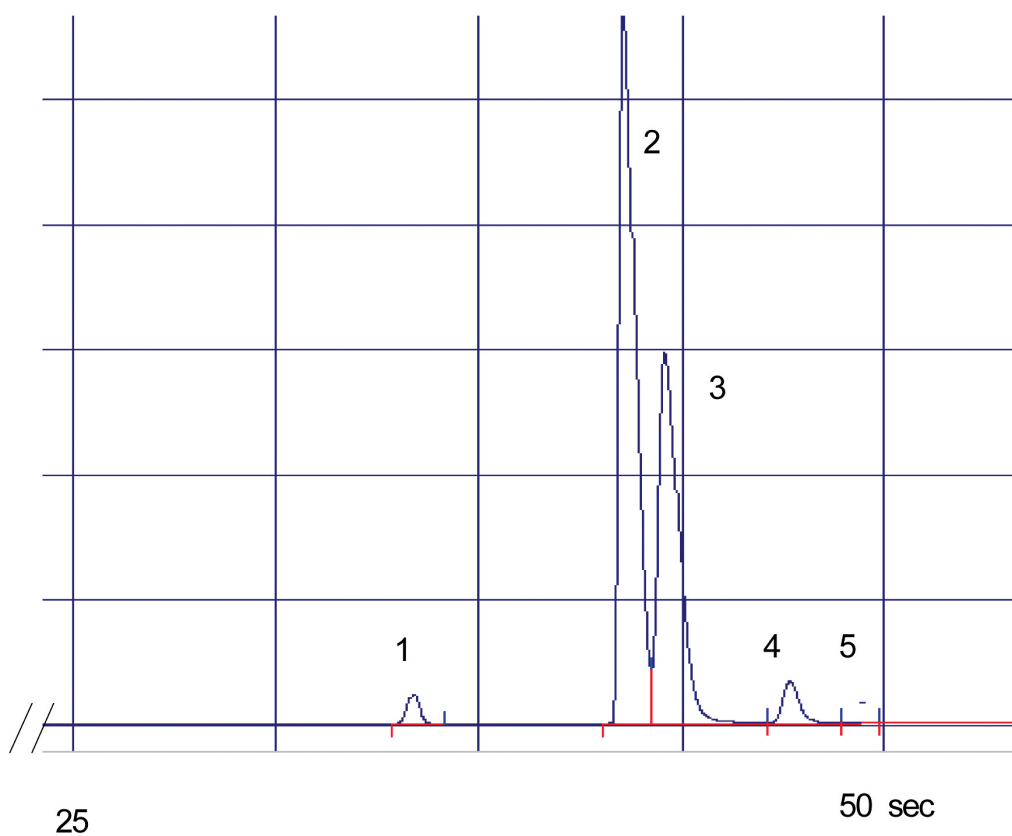
## Conditions

Technique : Micro GC  
Column : Agilent PoraPLOT U, 0.25 mm x 10 m fused silica  
Temperature : 119 °C  
Carrier Gas : Helium  
Pressure program : 100 kPa, 5 s → 250 kPa, 200 kPa/min  
Injector : chip injector heated, 100 °C  
Injection time : 5 ms  
Detector : chip TCD, Sensitivity: med  
Concentration Range : % level

Courtesy : Mario Voglino  
Stuart Wallman, A-GAS (UK) Ltd

## Peak identification

1. air
2. CFC 143A
3. CFC 125
4. CFC 134A
5. CFC 22



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This information is subject to change without notice.

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