Gases

Fast analysis of inert gases

Application Note

Environmental

Authors

Agilent Technologies, Inc.

Introduction

Fast GC analysis of inert gases in less than 150 seconds is achieved using an Agilent PoraPLOT Q column and Agilent 490 Micro GC.

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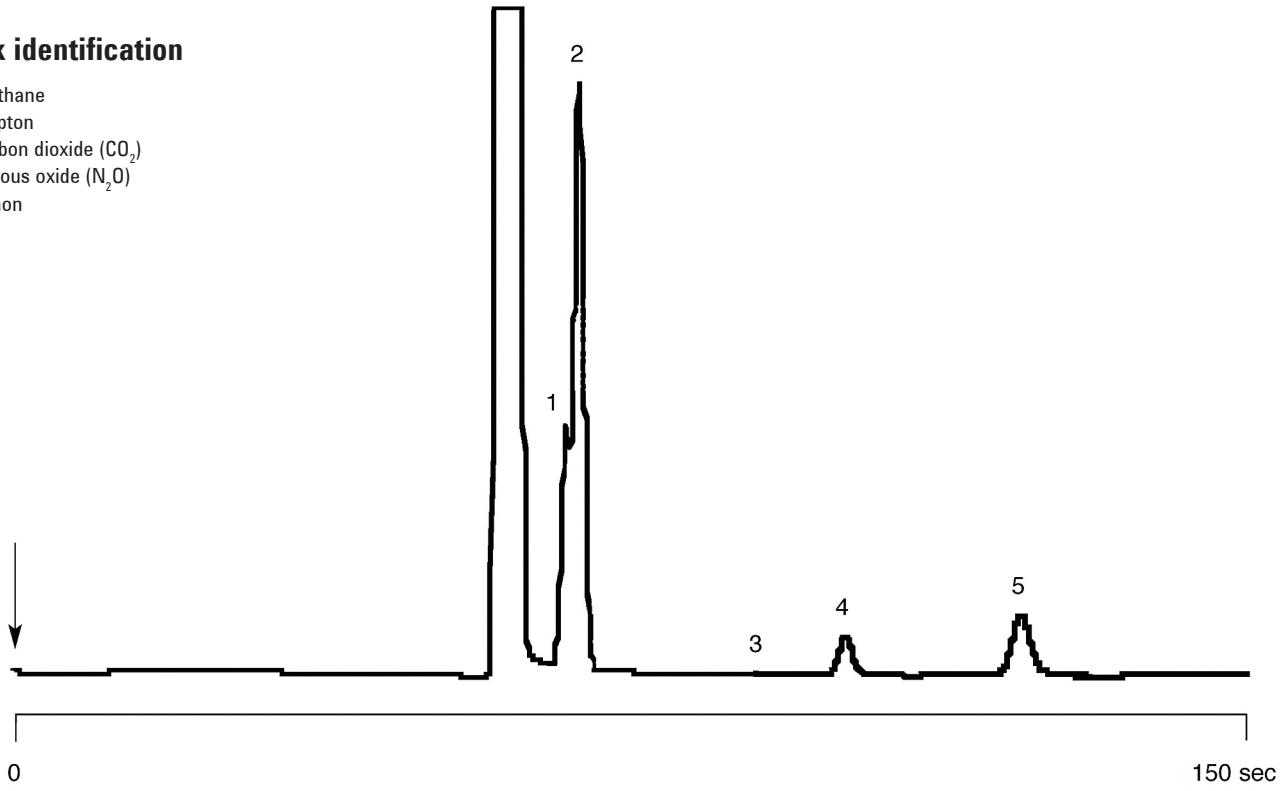
Conditions

Technique	:	Micro-GC
Column	:	Agilent PoraPLOT Q, 0.32 mm x 10 m fused silica PLOT (df = 10 µm)
Temperature	:	30 °C
Carrier Gas	:	He, 50 kPa (0.5 bar, 7 psi)
Heated Injector	:	no
Injection Time.	:	30 msec
Concentration Range	:	high
Matrix	:	oxygen

Courtesy	:	Pascal Vattaire/Jean-Luc Barranca, Agilent France S.A.

Peak identification

1. methane
2. krypton
3. carbon dioxide (CO_2)
4. nitrous oxide (N_2O)
5. xenon



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Printed in the USA
31 October, 2011
First publlished prior to 11 May, 2010
A01633

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