



VARIAN

Application Note SI-01131

Analysis of Diesel using a VF-5ht UltiMetal™ Column

John Oostdijk
Varian, Inc.

Introduction

This analysis of diesel is performed using a VF-5ht UltiMetal column. The column has been developed using proprietary UltiMetal technology that provides a virtually unbreakable metal column material with excellent inertness properties similar to fused silica tubing. The UltiMetal column tubing is coated with the VF-5ms low bleed arylene stabilized liquid phase, resulting in a highly temperature stable and durable column perfectly suited for a variety of high temperature applications.

Conditions

Technique: GC
Column: VF-5ht UltiMetal, 30 m x 0.25 mm
Df = 0.1 μm + Retention Gap, 2 m x 0.53 mm
Sample: Diesel, 0.1 % (Pentane)
Carrier Gas: Hydrogen, 65 kPa (9 psi)
Injector: Split, 325 °C, split ratio 1:100
Injection Volume: 2.0 μl
Temperature: 50 °C to 400 °C with 5 °C/min
Detection: FID, 340 °C

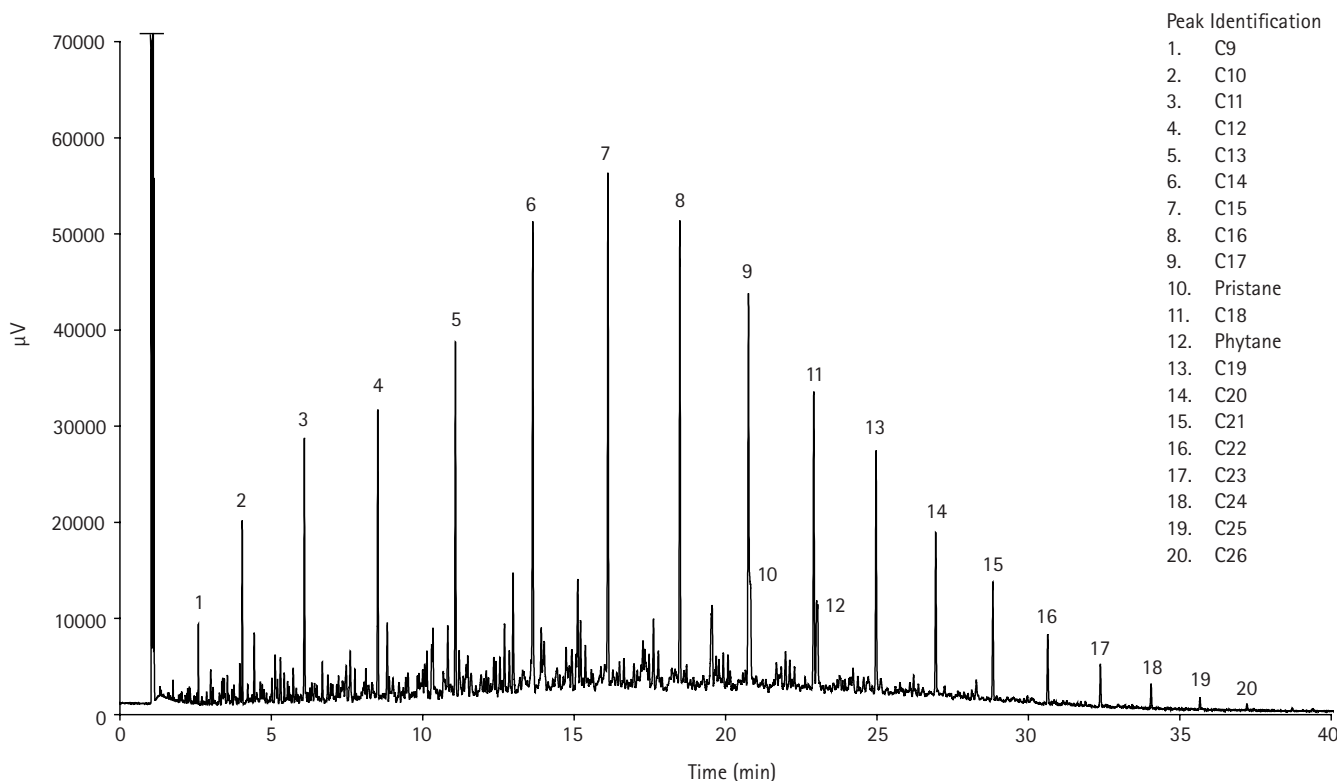


Figure 1. Analysis of Diesel using a VF-5ht UltiMetal column.

These data represent typical results.

For further information, contact your local Varian Sales Office.

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www.varianinc.com

North America: 800.926.3000 – 925.939.2400

Europe: *The Netherlands*: 31.118.67.1000

Asia Pacific: *Australia*: 613.9560.7133

Latin America: *Brazil*: 55.11.3238.0400



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