



Analysis of Diesel using an Agilent J&W FactorFour VF-5ht UltiMetal Column

Application Note

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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.

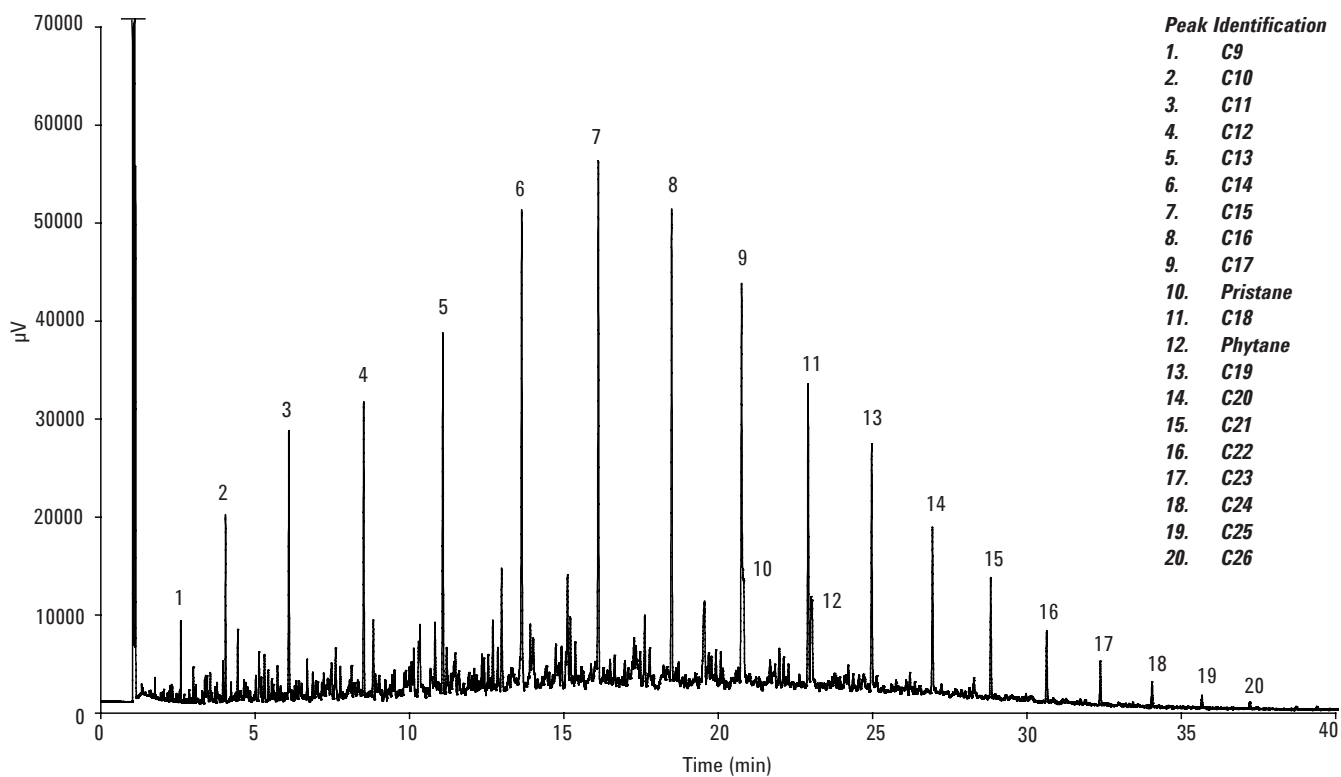


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Conditions

Technique: GC
Column: VF-5ht UltiMetal, 30 m x 0.25 mm (part number CP9093)
Df = 0.1 μ m + 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 μ l
Temperature: 50 °C to 400 °C with 5 °C/min
Detection: FID, 340 °C



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