



Diesel

Application Note

Energy & Fuels

Authors

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Introduction

With Agilent FactorFour VF-5ht, on-column injection of diesel minimizes discrimination effects that can occur in split, splitless and PTV type injection systems.



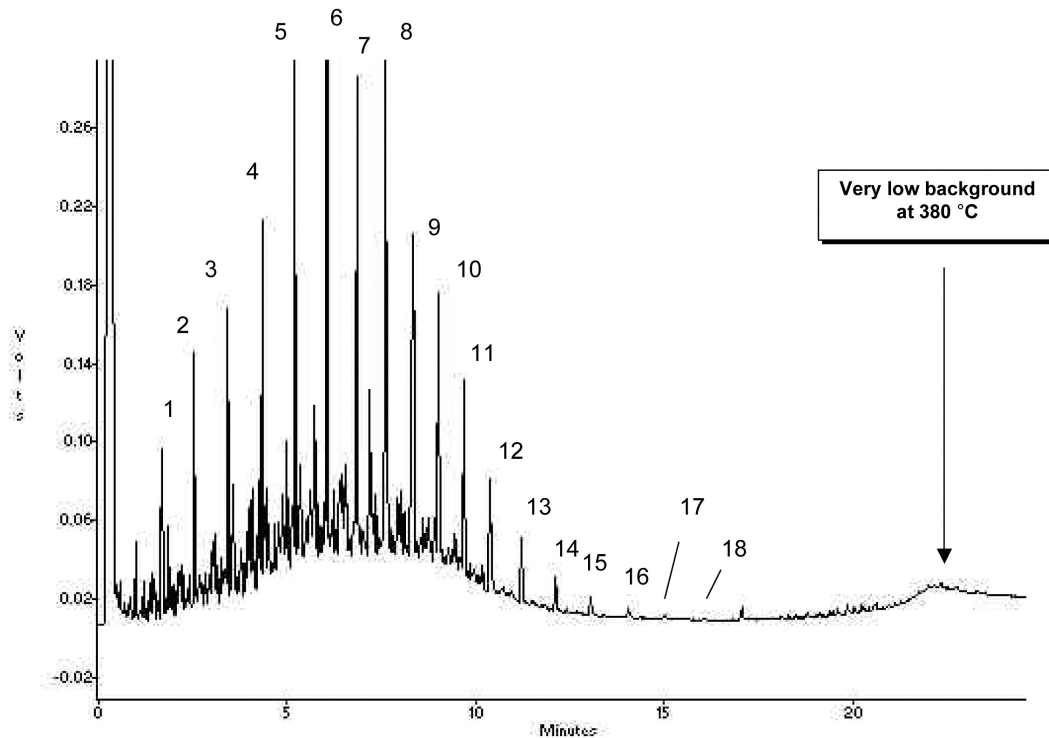
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Conditions

Technique : GC-capillary
Column : Agilent FactorFour VF-5ht, 0.32 mm x 15 m fused silica (df = 0.10 μ m) (Part no. CP9047)
Temperature : 50 °C (1 min), 15 °C \rightarrow 180 °C, 7 °C \rightarrow 230 °C, 30 °C \rightarrow 380 °C
Carrier Gas : He, 60 kPa, 0.6 bar, 8.6 psi
Injector : On-column, 1 μ L
Detector : FID
T = 380 °C
Sample Size : 10 mg/mL in hexane

Peak identification

1. C₁₀
2. C₁₁
3. C₁₂
4. C₁₃
5. C₁₄
6. C₁₅
7. C₁₆
8. C₁₇
9. C₁₈
10. C₂₀
11. C₂₁
12. C₂₂
13. C₂₃
14. C₂₄
15. C₂₅
16. C₂₆
17. C₂₇
18. C₂₈



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