



VARIAN

Application Note SI-01130

Analysis of Fluid Cat Cracker Feed using a VF-5ht UltiMetal™ Column

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This analysis of fluid cat cracker feed 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 tubing is coated with the VF-5 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:	CP-3800 GC
Column:	VF-5ht UltiMetal, 15 m x 0.32 mm Df = 0.1 μ m + Retention Gap, 2 m x 0.53 mm
Sample:	1 % CDU5 FCC Feed, 1 % in CS ₂
Carrier Gas:	Hydrogen, constant flow mode 10 mL/min
Injector:	On-column (1093), reversed liner, 100 °C (0 min) to 400 °C with 15 °C/min
Injection Volume:	1.0 μ l
Temperature:	50 °C (1 min) to 450 °C (20 mins) with 10 °C / min
Detection:	FID (HT), 400 °C

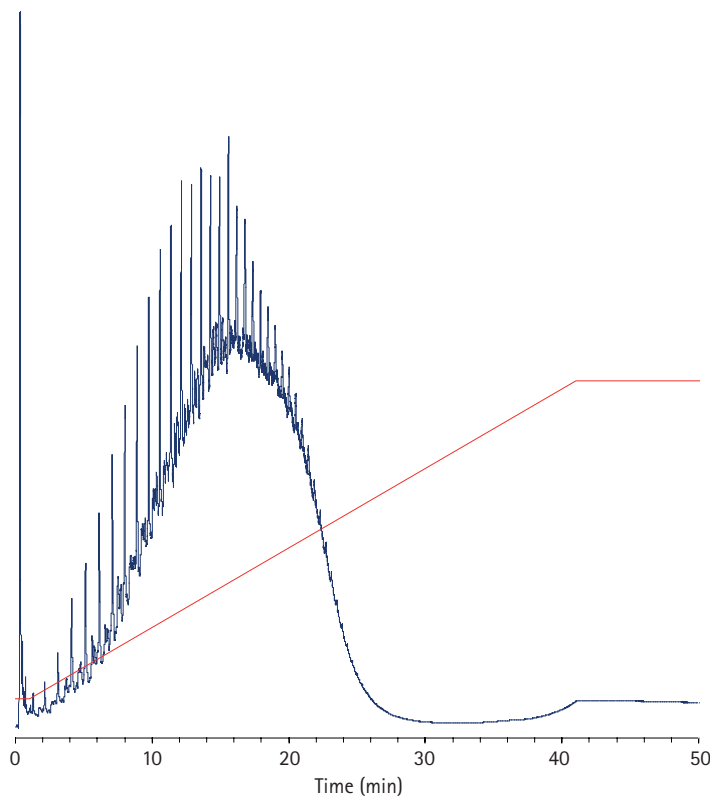


Figure 1. Analysis of fluid cat cracker feed using a VF-5ht UltiMetal column.

*These data represent typical results.
For further information, contact your local Varian Sales Office.*

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