

## Reference Crude Oil

**Column:** DB-HT Sim Dis  
5 m x 0.53 mm I.D., 0.15  $\mu$ m  
**J&W P/N:** 145-1001  
**Carrier:** Helium at 18 mL/min, measured at 35°C  
**Oven:** -30-430°C at 10°/min  
430°C for 5 min  
**Injector:** OPTIC PTV  
55-450°C at 2°/sec  
0.5 mL of about 2% crude oil in CS<sub>2</sub>  
**Detector:** FID, 450°C  
Nitrogen makeup gas at 15 mL/min

*Trademark: OPTIC is a trademark of Ai  
Cambridge Ltd, Pampisford, Cambridge, UK*

*Sample courtesy of Dan Villalanti of Triton  
Analytics Corp., Houston, TX*

