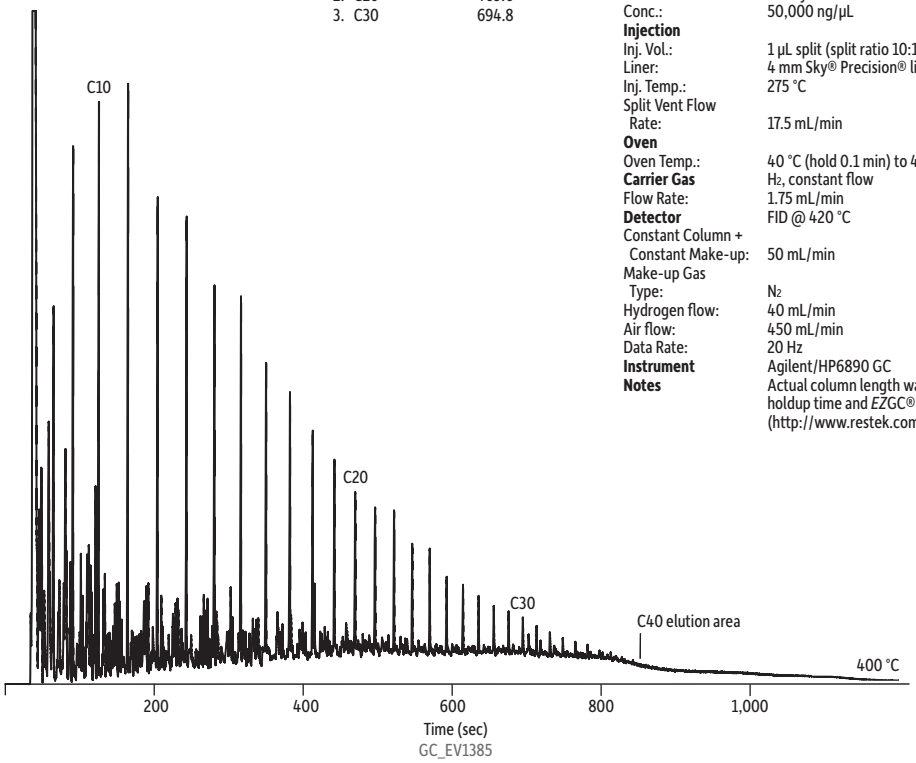
Arabian Medium Crude Oil on Rxi®-5HT (15 m x 0.25 mm x 0.10 µm)

Peaks	t_R (sec)
1. C10	125.1
2. C20	469.6
3. C30	694.8

Column	Rxi®-5HT, 15 m, 0.25 mm ID, 0.10 µm (cat.# 13905)
Sample	Arabian medium crude oil
Diluent:	Methylene chloride
Conc.:	50,000 ng/µL
Injection	
Inj. Vol.:	1 µL split (split ratio 10:1)
Liner:	4 mm Sky® Precision® liner w/wool (cat.# 23305.5)
Inj. Temp.:	275 °C
Split Vent Flow Rate:	17.5 mL/min
Oven	
Oven Temp.:	40 °C (hold 0.1 min) to 400 °C at 19.6 °C/min (hold 1.53 min)
Carrier Gas	H_2, constant flow
Flow Rate:	1.75 mL/min
Detector	FID @ 420 °C
Constant Column + Constant Make-up:	50 mL/min
Make-up Gas Type:	N_2
Hydrogen flow:	40 mL/min
Air flow:	450 mL/min
Data Rate:	20 Hz
Instrument	Agilent/HP6890 GC
Notes	Actual column length was calculated to be 15.7 m using holdup time and *EZ*GC® flow calculator (http://www.restek.com/ezgc-mtfc).



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