

Electronic Cigarette Liquid on Rtx®-VMS (Helium)

Column Rtx®-VMS, 30 m, 0.25 mm ID, 1.40 µm (cat.# 19915)
Sample
Diluent: Methylene chloride
Conc.: Electronic cigarette liquid diluted 100:1
Injection
Inj. Vol.: 1.0 µL split (split ratio 200:1)
Liner: Premium 4 mm Precision® liner w/wool (cat.# 23305.5)
Inj. Temp.: 250 °C
Oven
Oven Temp.: 100 °C to 260 °C at 35 °C/min (hold 0.25 min)
Carrier Gas He, constant flow
Flow Rate: 2.0 mL/min
Linear Velocity: 44.4 cm/sec @ 100 °C
Detector FID @ 250 °C
Make-up Gas
Flow Rate: 50 mL/min
Make-up Gas
Type: H₂
Hydrogen flow: 40 mL/min
Air flow: 400 mL/min
Instrument Agilent 7890A GC

Peaks	tr (min)
1. Methanol	1.285
2. Ethanol	1.355
3. Methylene chloride	1.430
4. Propylene glycol	2.174
5. Unknown	3.371
6. Glycerin	3.446
7. Nicotine	4.632

