

# EPH Silica Cartridge Background Extraction Aliphatic Fraction on Rxi-5ms

Peaks	$t_R$ (min)	Conc. ( $\mu\text{g/mL}$ )
1. 1-Chlorooctadecane	15.679	5

  

<b>Column</b>	Rxi-5ms, 30 m, 0.32 mm ID, 0.25 $\mu\text{m}$ (cat.# 13424)
<b>Sample</b>	MA EPH surrogate spike mix (cat.# 31479)
<b>Conc.:</b>	5 $\mu\text{g/mL}$
<b>Injection</b>	
Inj. Vol.:	1 $\mu\text{L}$ splitless (hold 1 min)
Liner:	Premium 4.0 mm ID cyclo double taper inlet liner (cat.# 23310)
Inj. Temp.:	300 °C
Purge Flow:	50 mL/min
<b>Oven</b>	
Oven Temp.:	40 °C (hold 1 min) to 300 °C at 12 °C/min to 330 °C at 6 °C/min
<b>Carrier Gas</b>	He, constant flow
Flow Rate.:	2 mL/min
Linear Velocity:	41.0 cm/sec @ 40 °C
Dead Time:	1.12 min @ 40 °C
<b>Detector</b>	FID @ 330 °C
Make-up Gas Flow Rate:	45 mL/min
Make-up Gas Type:	N <sub>2</sub>
Hydrogen flow:	40 mL/min
Air flow:	450 mL/min
Data Rate:	50 Hz
<b>Instrument</b>	Agilent 7890B GC
<b>Notes</b>	The area of the surrogate peak was excluded from the calculated total extracted background value for Region 2.

