

GC Application

ID No.: 15806

EPA Method 8100: Polynuclear Aromatic Hydrocarbons on ZB-5MS

Column: Zebtron™ ZB-5MS, GC Cap. Column 10 m x 0.10 mm x 0.10 μm, Ea

Phase: 5% Phenyl-Arylene 95% Dimethylpolysiloxane

Dimensions: 10 meters x 0.1 mm x 0.1 μm

Order No: 7CB-G010-02

Oven Profile: 100°C to 200°C at 33°C/min to 320°C at 25°C/min

Carrier Gas: Constant Flow Helium, 0.6 mL/min

Injection: Split 20:1 1 μL @ 320°C

Detection: Flame Ionization (FID) (330°C)

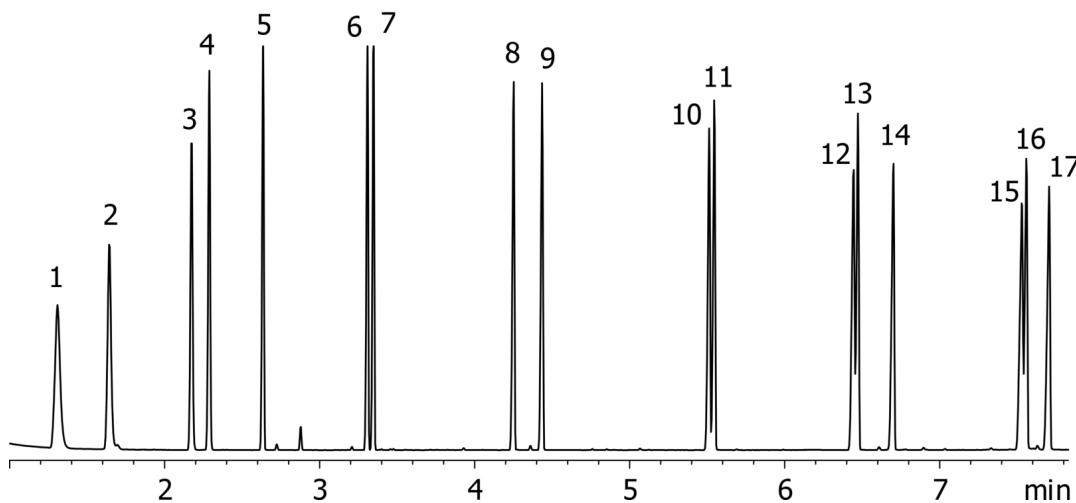
Analyst Note: Analytes were 50ppm.



Products used in this application:



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ANALYTES:

- 1 Naphthalene
- 2 2-Methylnaphthalene
- 3 Acenaphthalene
- 4 Acenaphthene
- 5 Fluorene
- 6 Phenanthrene
- 7 Anthracene
- 8 Fluoranthene
- 9 Pyrene
- 10 Benz[a]anthracene
- 11 Chrysene
- 12 Benzo[b]fluoranthene
- 13 Benzo[k]fluoranthene
- 14 Benzo[a]pyrene
- 15 Indeno[1,2,3-cd]pyrene
- 16 Dibenz[a,h]anthracene
- 17 Benzo[g,h,i]perylene

