

GC Application

ID No.: 20578

Polynuclear Aromatic Hydrocarbons (PAHs) on Zebron ZB-SemiVolatiles in 14 min

Column: Zebron[™] ZB-SemiVolatiles, GC Cap. Column 30 m x 0.25 mm x 0.25 μ m, Ea

Phase: 5% Phenyl-Arylene 95% Dimethylpolysiloxane (Enviro-Inert)

Dimensions: 30 meters x 0.25 mm x 0.25 μ m

Order No: 7HG-G027-11

Oven Profile: 100 °C for 0.5 min to 260 °C @ 30 °C/min to 295 °C @ 6 °C/min to 325 °C @ 25 °C/min for 2 min

Carrier Gas: Constant Flow Helium, 1.4 mL/min

Injection: Split 10:1 1 μ L @ 280°C

Detection: Mass Selective (MSD) (340°C)

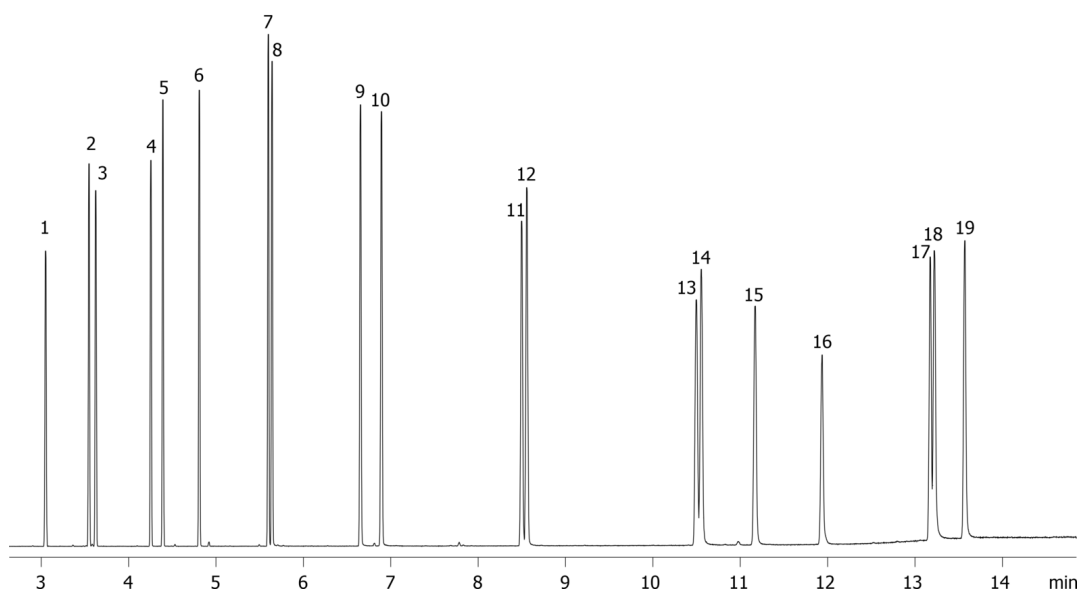
Analyst Note: Analytes @ 25ppm in Dichloromethane
Pulsed Split injection @ 25 p.s.i.
Liner: AG0-8499 (Single Taper with Wool)
Septum: AG0-4697 (PhenoRed[™]-400)
Inlet Base Seal: AG0-8620 (Easy Seals[™])



Products used in this application:



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ANALYTES:

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

