

PAHs in Sediment Extract on Rxi®-PAH (Sampled From Spring Creek, PA)

Peaks

1. Dibenz[a,j]anthracene
2. Dibenz[a,c]anthracene
3. Indeno[1,2,3-cd]pyrene
4. Dibenz[a,h]anthracene
5. Benzo[b]chrysene
6. Picene
7. Benzo[ghi]perylene
8. Anthanthrene

Column Injection

Rxi®-PAH, 60 m, 0.25 mm ID, 0.10 µm (cat.# 49317)
Inj. Vol.: 1 µL split (split ratio 10:1)
Liner: Premium 4 mm Precision® liner w/wool (cat.# 23305.5)
Inj. Temp.: 300 °C
Split Vent Flow Rate: 20 mL/min

Oven

Oven Temp.: 80 °C (hold 1 min) to 350 °C at 3.7 °C/min (hold 21 min)

Carrier Gas

He, constant flow

Flow Rate: 2 mL/min

Detector

Transfer Line

Temp.: 320 °C

Analyzer Type: TOF

Source Temp.: 300 °C

Electron Energy: 70 eV

Mass Defect: 0 mu/100 u

Solvent Delay

Time: 6 min

Tune Type: PFTBA

Ionization Mode: EI

Acquisition Range: 45-550 amu

Spectral Acquisition

Rate: 5 spectra/sec

Instrument

LECO Pegasus 4D GCxGC-TOFMS

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