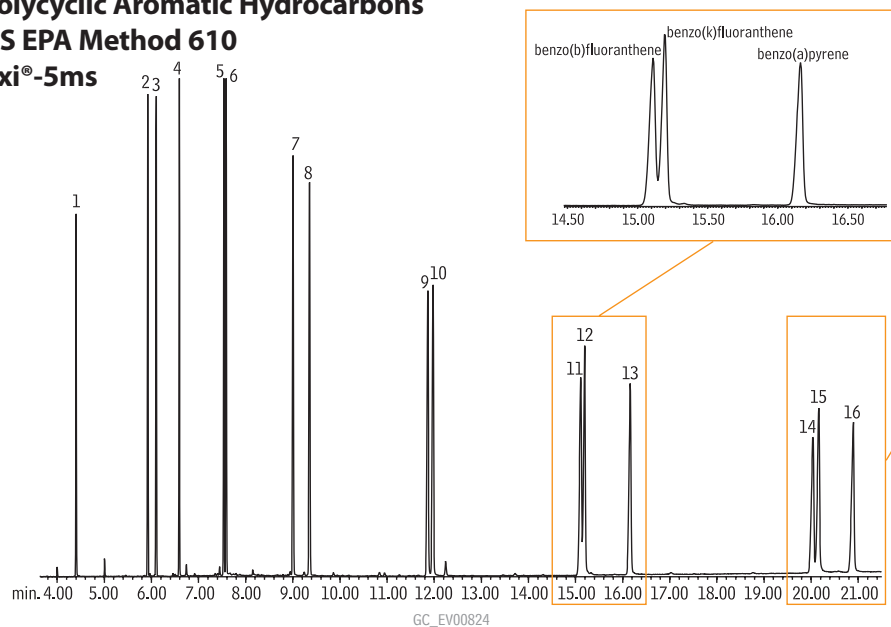


Polycyclic Aromatic Hydrocarbons

US EPA Method 610

Rxi®-5ms



Rxi® Technology!

Column: Rxi®-5ms, 30m, 0.25mm ID, 0.25 μ m (cat.# 13423)
 Sample: SV Calibration Mix #5/610 PAH Mix (cat.# 31011)
 Inj.: 1.0 μ L, 10ppm each analyte (10ng on column), splitless (hold 0.1 min.)
 4mm Drilled Uniliner® inlet liner (hole near bottom) (cat.# 20771)
 Instrument: Agilent 6890
 Inj. temp.: 275°C
 Carrier gas: helium, constant flow

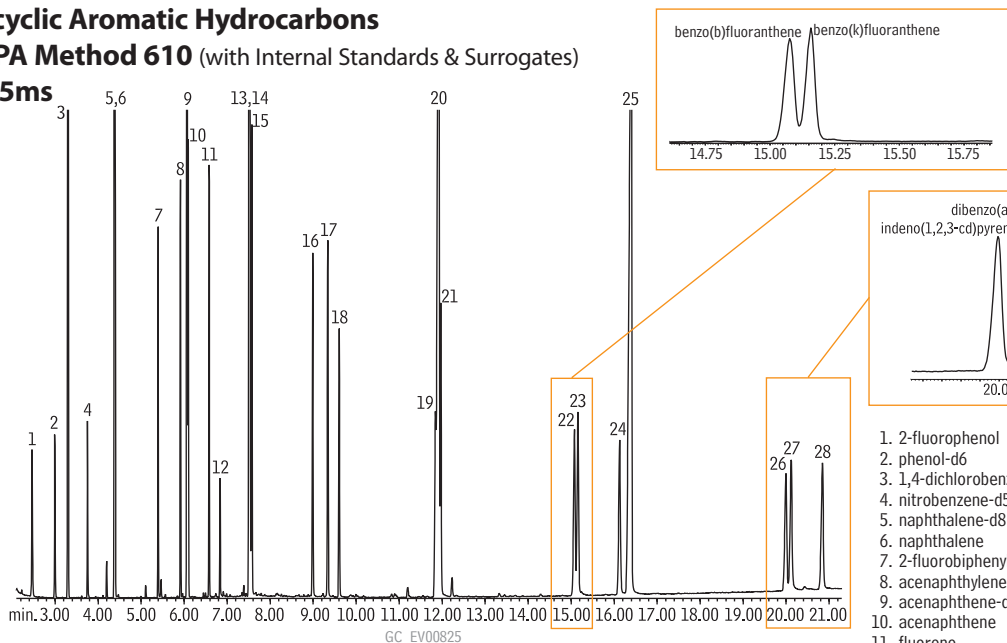
Flow rate: 1.2mL/min.
 Oven temp.: 75°C (hold 0.5 min.) to 245°C @ 25°C/min., to 330°C @ 4°C/min. (hold 1 min.)
 Det.: Agilent 5973 GC/MS
 Transfer line temp.: 280°C
 Scan range: 35-550amu
 Solvent delay: 2 min.
 Tune: DFTPP
 Ionization: EI

1. naphthalene
 2. acenaphthylene
 3. acenaphthene
 4. fluorene
 5. phenanthrene
 6. anthracene
 7. fluoranthene
 8. pyrene
 9. benzo(a)anthracene
 10. chrysene
 11. benzo(b)fluoranthene
 12. benzo(k)fluoranthene
 13. benzo(a)pyrene
 14. indeno(1,2,3-cd)pyrene
 15. dibenzo(a,h)anthracene
 16. benzo(ghi)perylene

Polycyclic Aromatic Hydrocarbons

US EPA Method 610 (with Internal Standards & Surrogates)

Rxi®-5ms



Rxi® Technology!

Column: Rxi®-5ms, 30m, 0.25mm ID, 0.25 μ m (cat.# 13423)
 Sample: SV Calibration Mix #5/610 PAH Mix (cat.# 31011), Acid Surrogate Mix (4/89 SOW) (cat.# 31025), B/N Surrogate Mix (4/89 SOW) (cat.# 31024), SV Internal Standard Mix (cat.# 31206)
 Inj.: 1.0 μ L, 10ppm each analyte (10ng on column; 40ng each internal standard), splitless (hold 0.1 min.)
 4mm Drilled Uniliner® inlet liner (hole near bottom) (cat.# 20771)
 Instrument: Agilent 6890

Inj. temp.: 275°C
 Carrier gas: helium, constant flow
 Flow rate: 1.2mL/min.
 Oven temp.: 75°C (hold 0.5 min.) to 245°C @ 25°C/min., to 330°C @ 4°C/min. (hold 1 min.)
 Det.: Agilent 5973 GC/MS
 Transfer line temp.: 280°C
 Scan range: 35-550amu
 Solvent delay: 2 min.
 Tune: DFTPP
 Ionization: EI

1. 2-fluorophenol
 2. phenol-d6
 3. 1,4-dichlorobenzene-d4
 4. nitrobenzene-d5
 5. naphthalene-d8
 6. naphthalene
 7. 2-fluorobiphenyl
 8. acenaphthylene
 9. acenaphthene-d10
 10. acenaphthene
 11. fluorene
 12. 2,4,6-tribromophenol
 13. phenanthrene-d10
 14. phenanthrene
 15. anthracene
 16. fluoranthene
 17. pyrene
 18. p-terphenyl-d14
 19. benzo(a)anthracene
 20. chrysene-d12
 21. chrysene
 22. benzo(b)fluoranthene
 23. benzo(k)fluoranthene
 24. benzo(a)pyrene
 25. perylene-d12
 26. indeno(1,2,3-cd)pyrene
 27. dibenzo(a,h)anthracene
 28. benzo(ghi)perylene