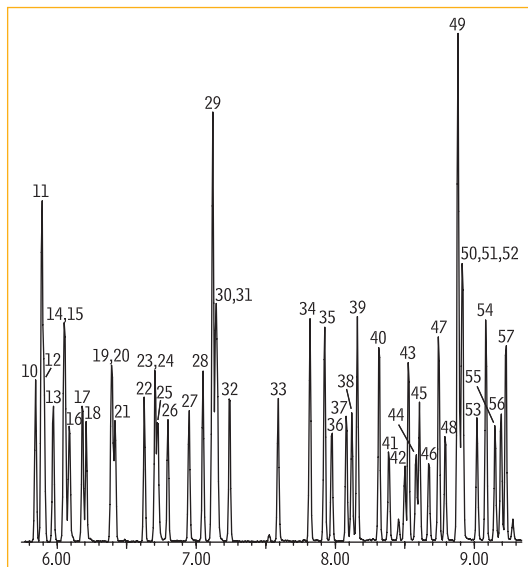


Semivolatile Organics

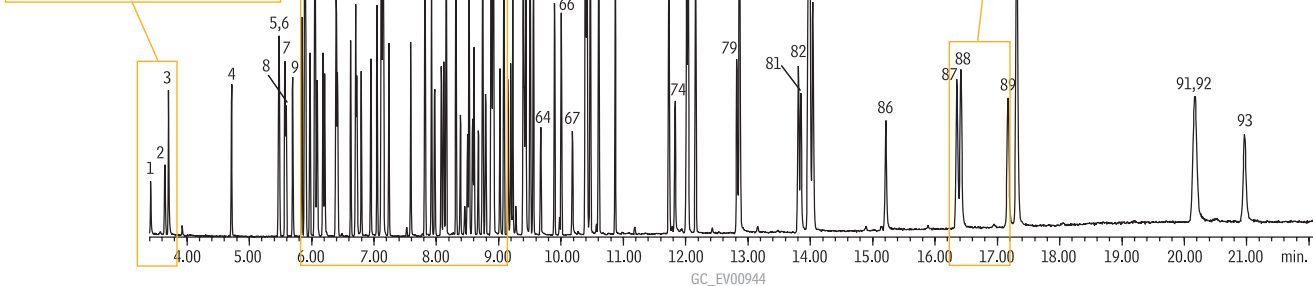
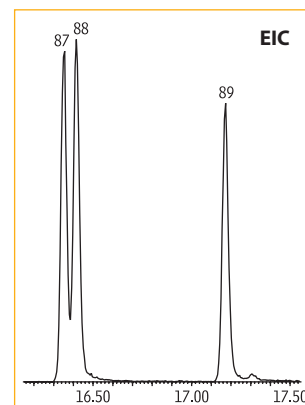
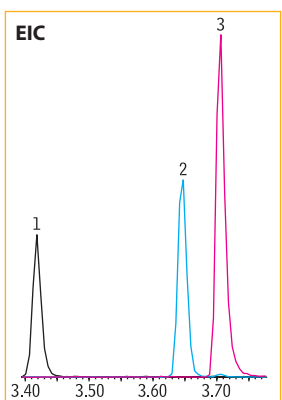
US EPA Method 8270

Rxi®-5Sil MS



Column: Rxi®-5Sil MS, 30m, 0.25mm ID, 0.5µm (cat.# 13638)
 Sample: US EPA Method 8270D Mix, 1µL of 10µg/mL (IS 40µg/mL)
 8270 MegaMix® (cat.# 31850)
 Benzoic Acid (cat.# 31879)
 8270 Benzidines Mix (cat.# 31852)
 Acid Surrogate Mix (4/89 SOW) (cat.# 31025)
 Revised B/N Surrogate Mix (cat.# 31887)
 1,4-Dioxane (cat.# 31853)
 SV Internal Standard Mix (cat.# 31206)
 Inj.: 1.0µL (10ng on-column concentration),
 4mm Drilled Uniliner® (hole near bottom) inlet liner (cat.# 20756),
 pulsed splitless: pulse 30psi @ 0.3 min., 40mL/min. @ 0.25 min.
 Inj. temp.: 250°C
 Carrier gas: helium, constant flow
 Flow rate: 1.2mL/min.
 Oven temp.: 40°C (hold 1.0 min.) to 280°C @ 25°C/min. to 320°C @ 5°C/min. (hold 3.5 min.)
 Det.: MS
 Transfer line temp.: 280°C
 Scan range: 35-550amu
 Ionization: EI
 Mode: scan

- Drilled Uniliner® liner
- 10ng each compound
- Silarylene phase
- 0.5µm film thickness



Rxi® Technology!
 Exceptionally inert,
 ultra low- bleed
 capillary columns.

- | | | | | | |
|---------------------------------------|---|-------------------------------|--|-----------------------------------|-------------------------------------|
| 1. 1,4-dioxane | 18. <i>n</i> -nitroso-di- <i>n</i> -propylamine | 36. hexachlorocyclopentadiene | 54. dibenzofuran | 70. anthracene | 88. benzo(k)fluoranthene |
| 2. <i>n</i> -nitrosodimethylamine | 19. hexachloroethane | 37. 2,4,6-trichlorophenol | 55. 2,3,5,6-tetrachlorophenol | 71. carbazole | 89. benzo(a)pyrene |
| 3. pyridine | 20. nitrobenzene-d5 (SS) | 38. 2,4,5-trichlorophenol | 56. 2,3,4,6-tetrachlorophenol | 72. di- <i>n</i> -butyl phthalate | 90. perylene-d12 (IS) |
| 4. 2-fluorophenol (SS) | 21. nitrobenzene | 39. 2-fluorobiphenyl (SS) | 57. diethyl phthalate | 73. fluoranthene | 91. indeno(1,2,3- <i>cd</i>)pyrene |
| 5. phenol-d6 (SS) | 22. isophorone | 40. 2-chloronaphthalene | 58. 4-chlorophenyl phenyl ether | 74. benzidine | 92. dibenzo(a,h)anthracene |
| 6. phenol | 23. 2,4-dimethylphenol | 41. 2-nitroaniline | 59. 4-nitroaniline | 75. pyrene-d10 (SS) | 93. benzo(ghi)perylene |
| 7. aniline | 24. benzoic acid | 42. 1,4-dinitrobenzene | 60. fluorene | 76. 3,3'-dimethylbenzidine | |
| 8. bis(2-chloroethyl) ether | 25. 2-nitrophenol | 43. dimethyl phthalate | 61. 4,6-dinitro-2-methylphenol | 77. pyrene | |
| 9. 2-chlorophenol | 26. bis(2-chloroethoxy)methane | 44. 1,3-dinitrobenzene | 62. <i>n</i> -nitrosodiphenylamine (diphenylamine) | 78. <i>p</i> -terphenyl-d14 (SS) | |
| 10. 1,3-dichlorobenzene | 27. 2,4-dichlorophenol | 45. 2,6-dinitrotoluene | 63. 1,2-diphenylhydrazine (as azobenzene) | 79. butyl benzyl phthalate | |
| 11. 1,4-dichlorobenzene-d4 (IS) | 28. 1,2,4-trichlorobenzene | 46. 1,2-dinitrobenzene | 64. 2,4,6-tribromophenol (SS) | 80. bis(2-ethylhexyl) adipate | |
| 12. 1,4-dichlorobenzene | 29. naphthalene-d8 (IS) | 47. acenaphthylene | 65. 4-bromophenyl phenyl ether | 81. bis(2-ethylhexyl) phthalate | |
| 13. benzyl alcohol | 30. naphthalene | 48. 3-nitroaniline | 66. hexachlorobenzene | 82. 3,3'-dichlorobenzidine | |
| 14. 2-methylphenol | 31. 4-chloroaniline | 49. acenaphthene-d10 (IS) | 67. pentachlorophenol | 83. benzo(a)anthracene | |
| 15. 1,2-dichlorobenzene | 32. hexachlorobutadiene | 50. 2,4-dinitrophenol | 68. phenanthrene-d10 (IS) | 84. chrysene-d12 (IS) | |
| 16. bis(2-chloroisopropyl) ether | 33. 4-chloro-3-methylphenol | 51. acenaphthene | 69. phenanthrene | 85. chrysene | |
| 17. 4-methylphenol/ 3-methylphenol | 34. 2-methylnaphthalene | 52. 4-nitrophenol | | 86. di- <i>n</i> -octyl phthalate | |
| | 35. 1-methylnaphthalene | 53. 2,4-dinitrotoluene | | 87. benzo(b)fluoranthene | |