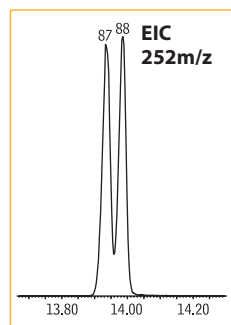
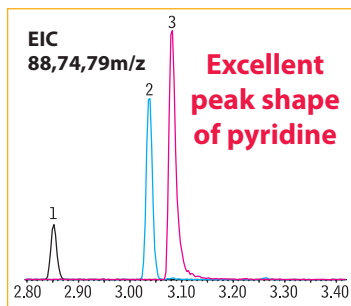
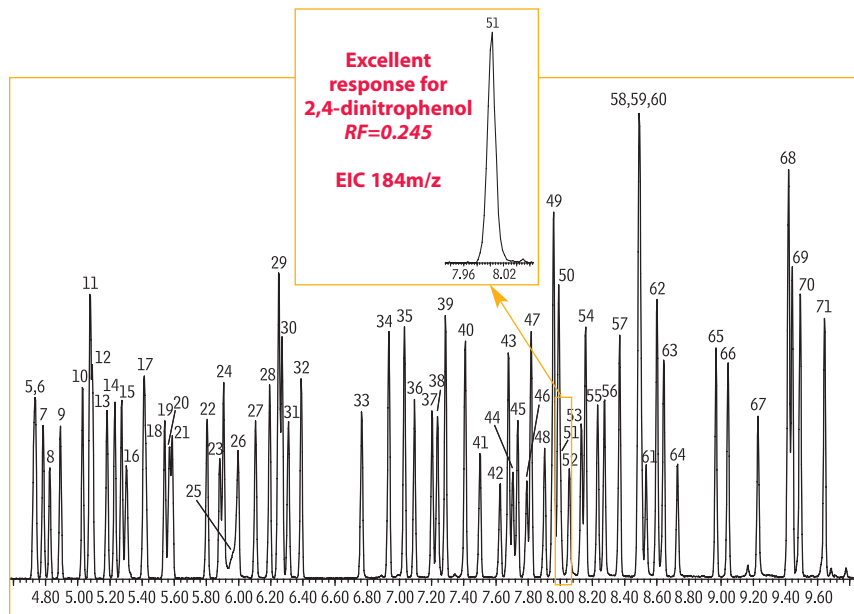


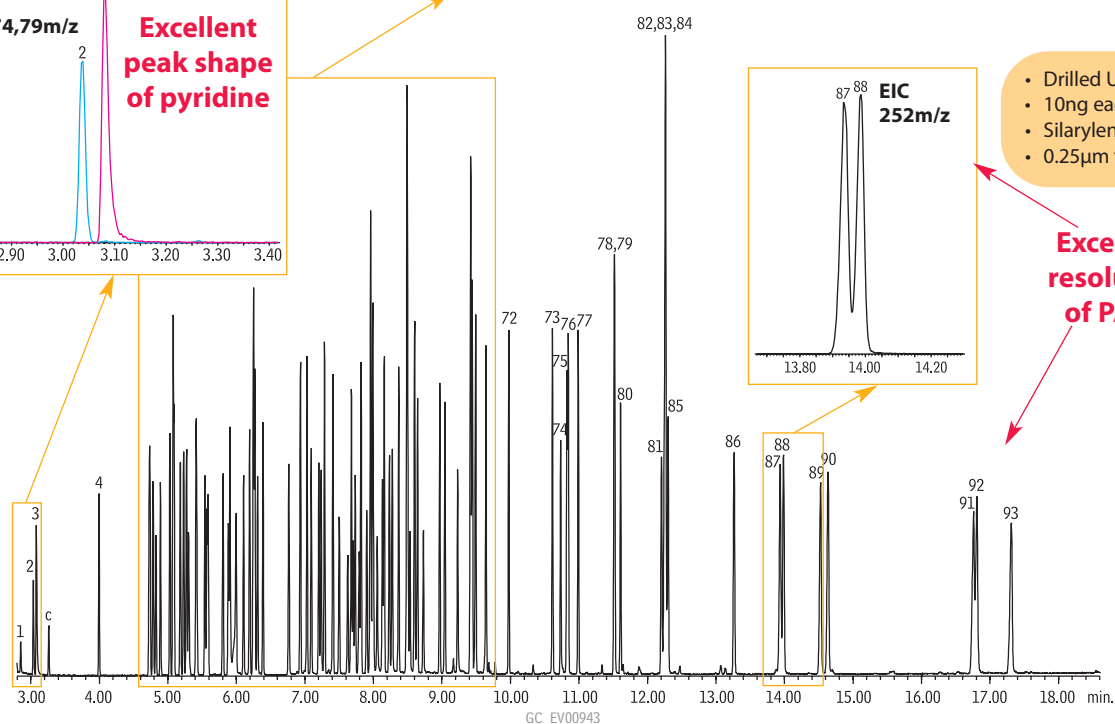
**Semivolatile Organics**  
**US EPA Method 8270**  
**Rxi®-5Sil MS**

Column: Rxi®-5Sil MS, 30m, 0.25mm ID, 0.25µm (cat.# 13623)  
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 25psi @ 0.2 min., 60mL/min. @ 0.15 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 1 min.)  
Det.: MS  
Transfer line temp: 280°C  
Scan range: 35-550amu  
Ionization: EI  
Mode: scan



- Drilled Uniliner® liner, 10ng each compound
- Silarylene phase
- 0.25µm film thickness

**Excellent resolution of PAHs**



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