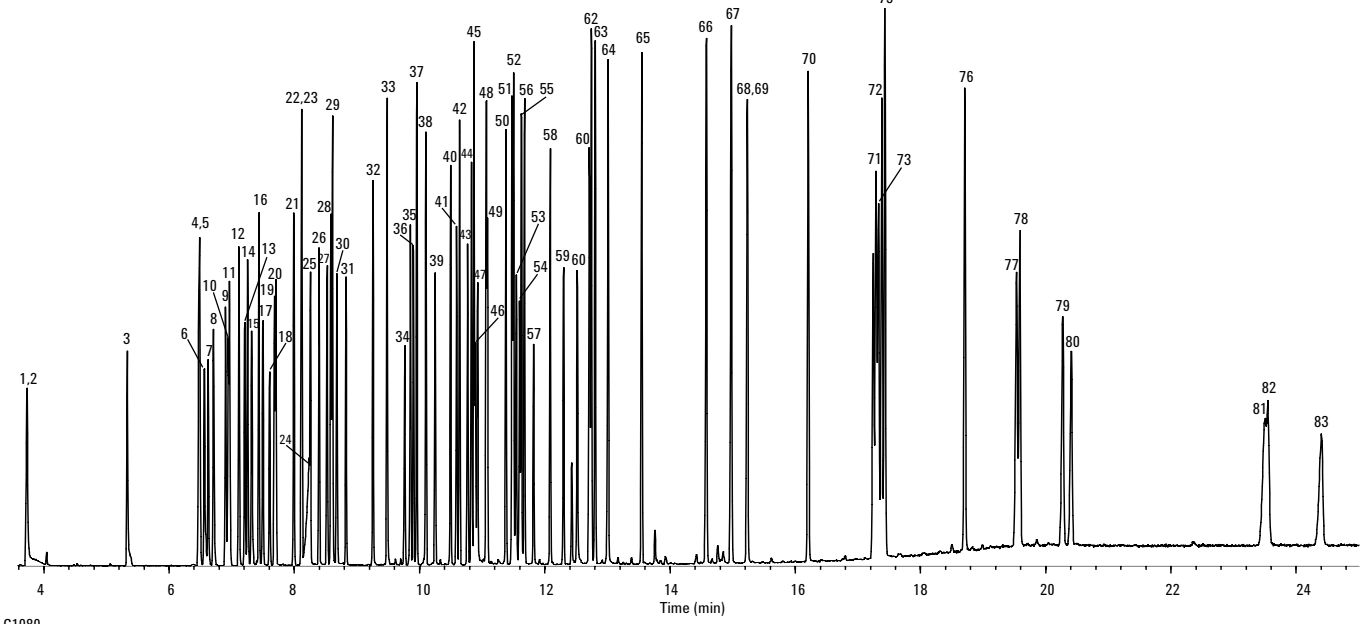


# USEPA Method 8270 Semivolatile Compounds

**Column:** HP-5ms  
**30 m x 0.25 mm I.D., 0.5 um**  
**P/N:** 19091S-133  
**Carrier:** Ramped flow  
 1.2 mL/min for 0.0 min  
 ramp at 99 mL/min to 2.0 mL/min  
 2.0 mL/min for 0.35 min  
 ramp at 10 mL/min to 1.2 mL/min  
**Oven:**  
 40 C for 1.0 min  
 40-100 C at 15 C/min  
 100-240 C at 20 C/min  
 240-310 C at 10 C/min  
**Inlet:**  
 Splitless, 250 C  
 30 mL/min purge flow at 0.35 min  
**Sample:**  
 1 uL of 50 ng standard  
**Detector:**  
 5973 MSD, 310 C transfer line  
 Scan range 35-500 amu, 3.25 scans/sec

- |                                  |                                 |                                |
|----------------------------------|---------------------------------|--------------------------------|
| 1. n-Nitrosodimethylamine        | 29. Naphthalene                 | 57. 2,4,6-Tribromophenol       |
| 2. Pyridine                      | 30. 4-Chloroaniline             | 58. 4-Bromophenyl-phenylether  |
| 3. 2-Fluorophenol                | 31. Hexachlorobutadiene         | 59. Hexachlorobenzene          |
| 4. Phenol-d5                     | 32. 4-Chloro-3-methylphenol     | 60. Pentachlorophenol          |
| 5. Phenol                        | 33. 2-Methylnaphthalene         | 61. Phenanthrene-d10           |
| 6. Aniline                       | 34. Hexachlorocyclopentadiene   | 62. Phenanthrene               |
| 7. bis(2-Chloroethyl) ether      | 35. 2,4,6-Trichlorophenol       | 63. Anthracene                 |
| 8. 2-Chlorophenol                | 36. 2,4,5-Trichlorophenol       | 64. Carbazole                  |
| 9. 1,3-Dichlorobenzene           | 37. 2-Fluorobiphenyl            | 65. Di-n-butylphthalate        |
| 10. 1,4-Dichlorobenzene-d4       | 38. 2-Chloronaphthalene         | 66. Fluoranthene               |
| 11. 1,4-Dichlorobenzene          | 39. 2-Nitroaniline              | 67. Pyrene                     |
| 12. Benzyl alcohol               | 40. Dimethylphthalate           | 68. Terphenyl-d14              |
| 13. 1,2-Dichlorobenzene          | 41. 2,6-Dinitrotoluene          | 69. Benzidine                  |
| 14. 2-Methylphenol               | 42. Acenaphthylene              | 70. Butylbenzylphthalate       |
| 15. bis(2-Chloroisopropyl) ether | 43. 3-Nitroaniline              | 71. 3,3'-Dichlorobenzidine     |
| 16. 4-Methylphenol               | 44. Acenaphthene-d10            | 72. Benzo[a]anthracene         |
| 17. n-Nitroso-di-n-propylamine   | 45. Acenaphthene                | 73. Chrysene-d12               |
| 18. Hexachloroethane             | 46. 2,4-Dinitrophenol           | 74. Chrysene                   |
| 19. Nitrobenzene-d5              | 47. 4-Nitrophenol               | 75. bis(2-Ethylhexyl)phthalate |
| 20. Nitrobenzene                 | 48. Dibenzofuran                | 76. Di-n-octylphthalate        |
| 21. Isophorone                   | 49. 2,4-Dinitrotoluene          | 77. Benzo[b]fluoranthene       |
| 22. 2-Nitrophenol                | 50. Diethylphthalate            | 78. Benzo[k]fluoranthene       |
| 23. 2,4-Dimethylphenol           | 51. 4-Chlorophenyl-phenyl ether | 79. Benzo[a]pyrene             |
| 24. Benzoic acid                 | 52. Fluorene                    | 80. Perylene-d12               |
| 25. bis(2-Chloroethoxy) methane  | 53. 4-Nitroaniline              | 81. Indeno[1,2,3-cd]pyrene     |
| 26. 2,4-Dichlorophenol           | 54. 4,6-Dinitro-2-methylphenol  | 82. Dibenz[a,h]anthracene      |
| 27. 1,2,4-Trichlorobenzene       | 55. n-Nitrosodiphenylamine      | 83. Benzo[g,h,i]perylene       |
| 28. Naphthalene-d8               | 56. Azobenzene                  |                                |



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