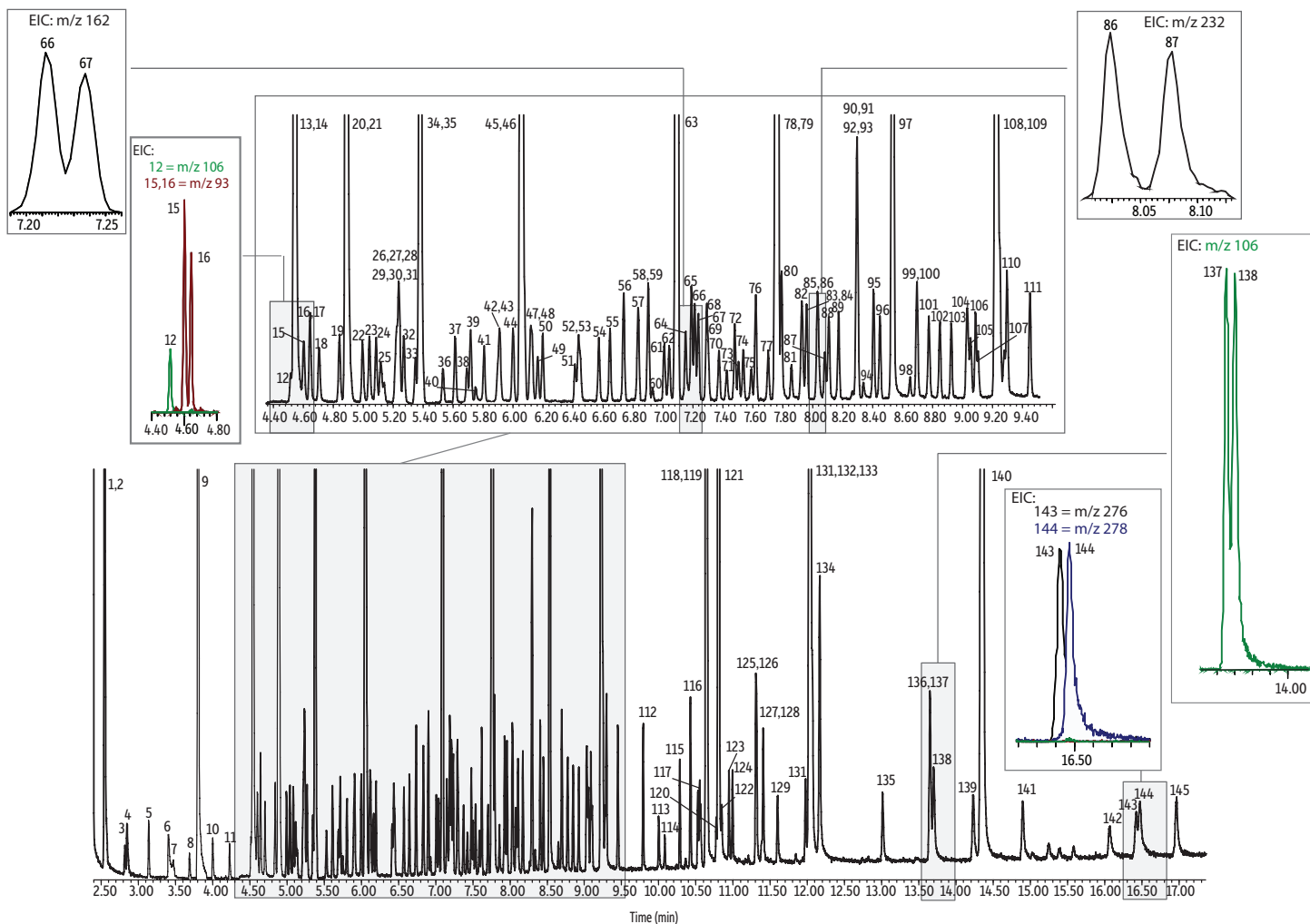


Semivolatile Organics w/Appendix IX on Rxi-5Sil MS by U.S. EPA Method 8270

- | | | | | | |
|---------------------------------|---------------------------------|--------------------------------|---|---------------------------------|--------------------------------------|
| 1. 1,4-Dioxane-d8 (IS) | 25. Bis(2-Chloroisopropyl)ether | 50. Hexachlorobutadiene | 75. 1,2-Dinitrobenzene | 98. 1,3,5-Trinitrobenzene | 123. Dimethylaminoazobenzene |
| 2. 1,4-Dioxane | 26. N-Nitrosopyrrolidine | 51. N-Nitrosobutylamine | 76. Acenaphthylene | 99. Diallate | 124. Chlorobenzilate |
| 3. N-Nitrosodimethylamine | 27. 3-Methylphenol | 52. Caprolactam | 77. 3-Nitroaniline | 100. Phenacetin | 125. 3,3'-Dimethylbenzidine |
| 4. Pyridine | 28. 4-Methylphenol | 53. 1,4-Phenylenediamine | 78. Acenaphthene-d10 (IS) | 101. 4-Bromophenyl phenyl ether | 126. Butyl benzyl phthalate |
| 5. Ethyl methacrylate | 29. Acetophenone | 54. 4-Chloro-3-methylphenol | 79. Acenaphthene | 102. Hexachlorobenzene | 127. Kepone |
| 6. 2-Picoline | 30. N-Nitrosodipropylamine | 55. Isosafrole (isomer) | 80. 2,4-Dinitrophenol | 103. Atrazine | 128. Bis(2-ethylhexyl) adipate |
| 7. N-Nitrosomethyl ethylamine | 31. 4-Nitrosomorpholine | 56. 2-Methylnaphthalene | 81. 4-Nitrophenol | 104. 4-Aminobiphenyl | 129. 2-Acetylaminofluorene |
| 8. Methyl methanesulfonate | 32. o-Toluidine | 57. 1-Methyl naphthalene | 82. Pentachlorobenzene | 105. Pentachlorophenol | 130. 3,3'-Dichlorobenzidine |
| 9. 2-Fluorophenol (SS) | 33. Hexachloroethane | 58. Hexachlorocyclopentadiene | 83. 2,4-Dinitrotoluene | 106. Pentachloronitrobenzene | 131. Benz[a]anthracene |
| 10. N-Nitrosodiethylamine | 34. Nitrobenzene-D5 (SS) | 59. 1,2,4,5-Tetrachlorobenzene | 84. Dibenzofuran | 107. Propylzamide | 132. Chrysene-D12 (IS) |
| 11. Ethyl methanesulfonate | 35. Nitrobenzene | 60. Isosafrole (isomer) | 85. 1-Naphthalamine | 108. Phenanthrene-D10 (IS) | 133. Bis(2-ethylhexyl)phthalate |
| 12. Benzaldehyde | 36. N-Nitrosopiperidine | 61. 2,4,6-Trichlorophenol | 86. 2,3,5,6-Tetrachlorophenol | 109. Phenanthrene | 134. Chrysene |
| 13. Phenol-d6 (SS) | 37. Isophorone | 62. 2,4,5-Trichlorophenol | 87. 2,3,4,6-Tetrachlorophenol | 110. Anthracene | 135. Di-n-octyl phthalate |
| 14. Phenol | 38. 2-Nitrophenol | 63. 2-Fluorobiphenyl (SS) | 88. 2-Naphthalamine | 111. Carbazole | 136. 7,12-Dimethylbenzo[a]anthracene |
| 15. Aniline | 39. 2,4-Dimethylphenol | 64. Safrole | 89. Diethyl phthalate | 112. di-n-Butyl phthalate | 137. Benzo[b]fluoranthene |
| 16. Bis(2-chloroethyl) ether | 40. Bis(2-chloroethoxy)methane | 65. Biphenyl | 90. 4-Chlorophenyl phenyl ether | 113. 4-Nitroquinoline 1-oxide | 138. Benzo[k]fluoranthene |
| 17. Pentachloroethane | 41. Benzoic acid | 66. 2-Chloronaphthalene | 91. Fluorene | 114. Methapyriline | 139. Benzo[a]pyrene |
| 18. 2-Chlorophenol | 42. 2,4-Dichlorophenol | 67. 1-Chloronaphthalene | 92. 2-Methyl-5-nitroaniline | 115. Isodrin | 140. Perylene-D12 (IS) |
| 19. 1,3-Dichlorobenzene | 43. α,α-Dimethylphenethylamine | 68. Diphenyl ether | 93. 4-Nitroaniline | 116. Fluoranthene | 141. 3-Methylcholanthrene |
| 20. 1,4-Dichlorobenzene-D4 (IS) | 44. 1,2,4-Trichlorobenzene | 69. 2-Nitroaniline | 94. 4,6-Dinitro-2-methylphenol | 117. Benzidine | 142. Dibenz[a,j]acridine |
| 21. 1,4-Dichlorobenzene | 45. Naphthalene-D8 (IS) | 70. 1,4-Naphthoquinone | 95. N-nitrosodiphenylamine (as Diphenylamine) | 118. Pyrene-d10 (SS) | 143. Indeno[1,2,3-cd]pyrene |
| 22. Benzyl alcohol | 46. Naphthalene | 71. 1,4-Dinitrobenzene | 96. 1,2-Diphenylhydrazine (as Azobenzene) | 119. Pyrene | 144. Dibenz[a,h]anthracene |
| 23. 1,2-Dichlorobenzene | 47. 4-Chloroaniline | 72. Dimethyl phthalate | 121. p-Terphenyl-d14 (SS) | 120. Aramite (isomer) | 145. Benzo[ghi]perylene |
| 24. 2-Methylphenol | 48. 2,6-Dichlorophenol | 73. 1,3-Dinitrobenzene | 97. 2,4,6-Tribromophenol (SS) | 121. Aramite (isomer) | |
| | 49. Hexachloropropene | 74. 2,6-Dinitrotoluene | | | |



Column Rxi-5Sil MS, 30 m, 0.25 mm ID, 0.25 μm (cat.# 13623)
Sample 8270 MegaMix (cat.# 31850)
 8270 Benzidines mix (cat.# 31852)
 Benzoic acid (cat.# 31879)
 Revised B/N surrogate mix (cat.# 31888)
 Acid surrogate mix (4/89 SOW) (cat.# 31063)
 Revised SV internal standard mix (cat.# 31886)
 Appendix IX mix #1 (cat.# 31625)
 Appendix IX mix #2 (cat.# 31806)
Diluent: Dichloromethane
Conc.: 0.5 μg/mL (IS/SS 20 μg/mL)
Injection
Inj. Vol.: 1 μL pulsed splitless (hold 0.59 min)
Liner: Premium 4 mm single taper/goose-neck w/wool (cat.# 23303)
Inj. Temp.: 270 °C

Pulse Pressure: 30 psi (206.8 kPa)
Pulse Time: 0.64 min
Purge Flow: 100 mL/min
Oven
Oven Temp: 40 °C (hold 1 min) to 280 °C
 at 25 °C/min to 320 °C
 at 5 °C/min (hold 1 min)
Carrier Gas
Flow Rate: He, constant flow
Detector
Mode: MS
 Scan

Transfer Line
Temp.: 280 °C
Analyzer Type: Quadrupole
Source Temp.: 276 °C
Quad Temp.: 150 °C
Electron Energy: 70 eV
Solvent Delay Time: 2.19 min
Tune Type: DFTPP
Ionization Mode: EI
Scan Range: 35-550 amu
Scan Rate: 5.36 scans/sec
Instrument Notes
 Agilent 7890A GC & 5975C MSD
 7890 Siltek-treated EZ Twist Top
 split/splitless injection port (cat.# 22178)
 Flip Seal dual Vespel ring inlet seal (cat.# 23411)