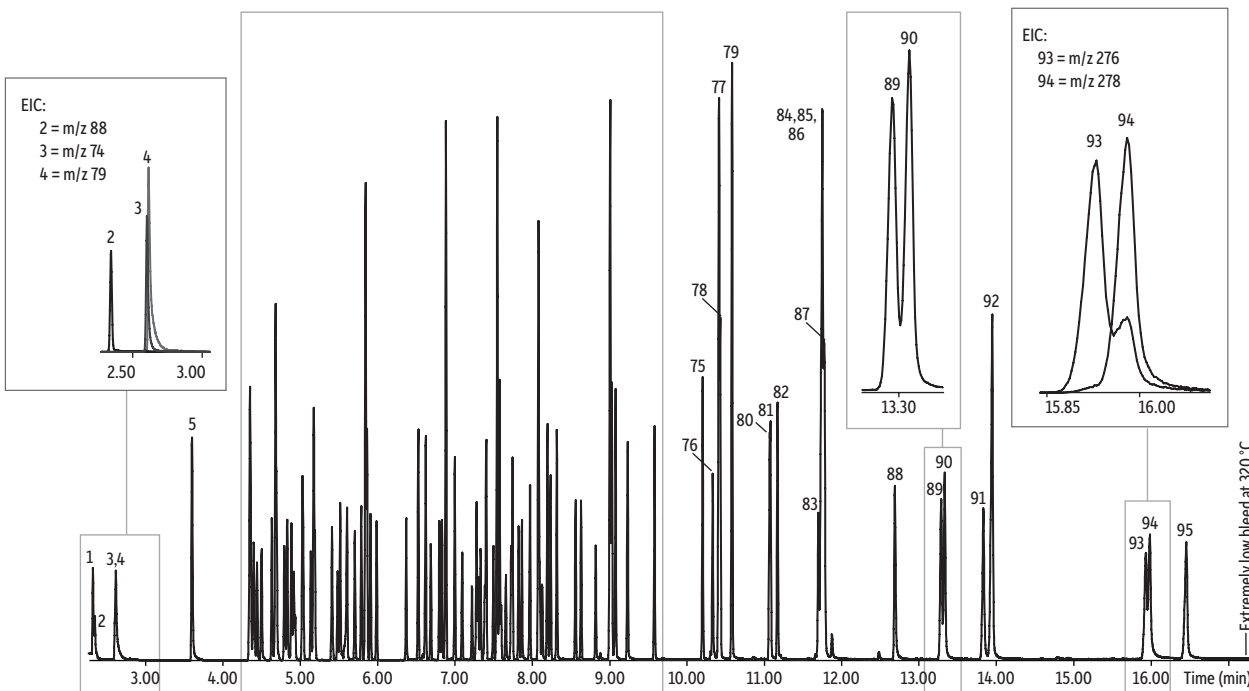
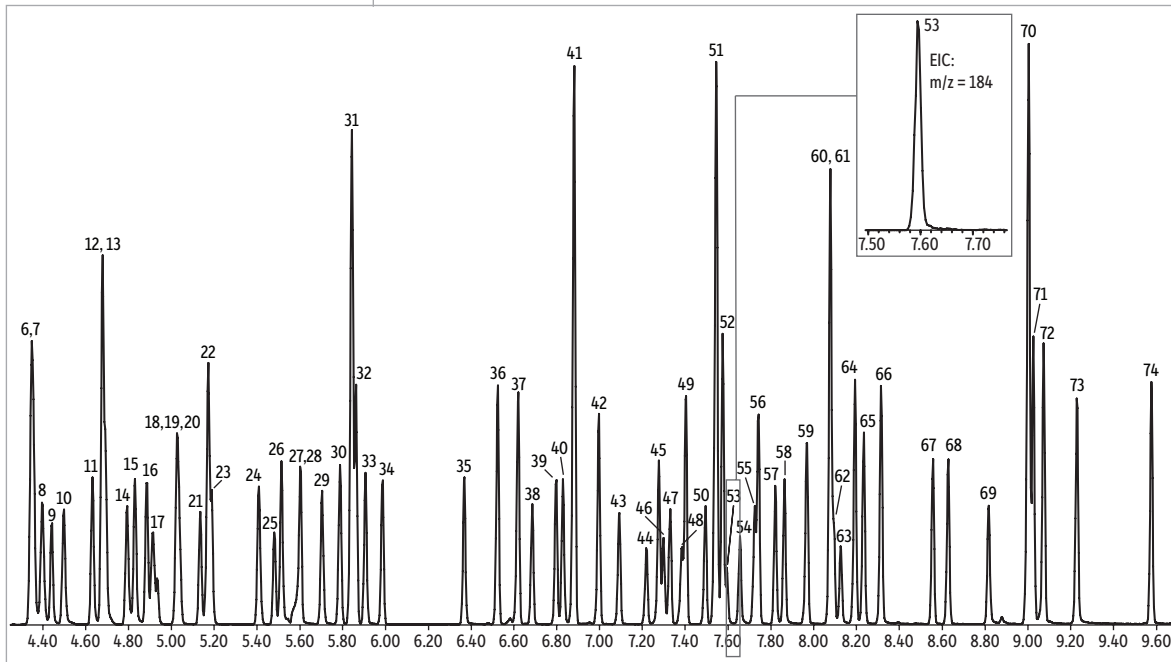


Semivolatile Organics on Rxi-5Sil MS by U.S. EPA Method 8270



- Peaks**
- 1,4-Dioxane-d8 (IS)
 - 1,4-Dioxane
 - N-Nitrosodimethylamine
 - Pyridine
 - 2-Fluorophenol (SS)
 - Phenol-d6 (SS)
 - Phenol
 - Aniline
 - Bis(2-chloroethyl) ether
 - 2-Chlorophenol
 - 1,3-Dichlorobenzene
 - 1,4-Dichlorobenzene-D4 (IS)
 - 1,4-Dichlorobenzene
 - Benzyl alcohol
 - 1,2-Dichlorobenzene
 - 2-Methylphenol
 - Bis(2-Chloroisopropyl)ether
 - 3-Methylphenol
 - 4-Methylphenol
 - N-Nitrosodi-N-propylamine
 - Hexachloroethane
 - Nitrobenzene-D5 (SS)
 - Nitrobenzene
 - Isophorone
 - 2-Nitrophenol
 - 2,4-Dimethylphenol
 - Bis(2-chloroethoxy) methane
 - Benzoic acid
 - 2,4-Dichlorophenol
 - 1,2,4-Trichlorobenzene
 - Naphthalene-D8 (IS)
 - Naphthalene
 - 4-Chloroaniline
 - Hexachlorobutadiene
 - 4-Chloro-3-methylphenol
 - 2-Methylnaphthalene
 - 1-Methylnaphthalene
 - Hexachlorocyclopentadiene
 - 2,4,6-Trichlorophenol
 - 4,0,2,4,5-Trichlorophenol
 - 2-Fluorobiphenyl (SS)
 - 2-Chloronaphthalene
 - 2-Nitroaniline
 - 1,4-Dinitrobenzene
 - Dimethyl phthalate
 - 1,3-Dinitrobenzene
 - 2,6-Dinitrotoluene
 - 1,2-Dinitrobenzene
 - Acenaphthylene
 - 3-Nitroaniline
 - Acenaphthene-d10 (IS)
 - Acenaphthene
 - 2,4-Dinitrophenol
 - 4-Nitrophenol
 - 2,4-Dinitrotoluene
 - Dibenzofuran
 - 2,3,5,6-Tetrachlorophenol
 - 2,3,4,6-Tetrachlorophenol
 - Diethyl phthalate
 - 4-Chlorophenyl phenyl ether
 - Fluorene
 - 4-Nitroaniline
 - 4,6-Dinitro-2-methylphenol
 - N-nitrosodiphenylamine (as diphenylamine)
 - 1,2-Diphenylhydrazine (as azobenzene)
 - 2,4,6-Tribromophenol (SS)
 - 4-Bromophenyl phenyl ether
 - Hexachlorobenzene
 - Pentachlorophenol
 - Phenanthrene-D10 (IS)
 - Phenanthrene
 - Anthracene
 - Carbazole
 - di-n-Butyl phthalate
 - Fluoranthene
 76. Benzidine
 77. Pyrene-d10 (SS)
 78. Pyrene
 79. p-Terphenyl-d14 (SS)
 80. 3,3'-Dimethylbenzidine
 81. Butyl benzyl phthalate
 82. Bis(2-ethylhexyl) adipate
 83. 3,3'-Dichlorobenzidine
 84. Benz[a]anthracene
 85. Chrysene-D12 (IS)
 86. Bis(2-ethylhexyl)phthalate
 87. Chrysene
 88. Di-n-octyl phthalate
 89. Benzo[b]fluoranthene
 90. Benzo[k]fluoranthene
 91. Benzo[a]pyrene
 92. Perylene-D12 (IS)
 93. Indeno[1,2,3-cd]pyrene
 94. Dibenzo[a,h]anthracene
 95. Benzo[ghi]perylene



GC_EV1245

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)
 1,4-Dioxane (cat.# 31853)
 Revised B/N surrogate mix (cat.# 31888)
 Acid surrogate mix (4/89 SOW) (cat.# 31063)
 Revised SV internal standard mix (cat.# 31886)
Diluent: Dichloromethane
Conc.: 8 µg/mL (IS/SS 20 µg/mL)
Injection
Inj. Vol.: 1 µL pulsed splitless (hold 0.59 min)
Liner: Premium 4 mm single taper 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 He, constant flow
Flow Rate: 1.2 mL/min
Linear Velocity: 39.723 cm/sec. @ 40 °C
Detector MS
Mode: Scan
Transfer Line Temp.: 280 °C
Analyzer Type: Quadrupole
Source Temp.: 276 °C
Quad Temp.: 150 °C
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)
 Gold-plated dual Vespel ring inlet seal (cat.# 21241)