High Speed VOC EPA 8260

Column:	**DB-VRX**
	20 m x 0.18 mm id, 1.0 µm film
P/N:	**121-1524**
Carrier:	Helium at 55 cm/sec (1.5 mL/min)
Oven:	45°C for 3.0 minutes 45-190°C at 36°C/min 190-225°C at 20°C/min 225°C for 0.5 min
Injector:	Tekmar 3100 Purge and Trap
Trap:	Vocarb 3000
Sample volume:	5 mL
Purge:	11 minutes
Desorb preheat:	245°C
Desorb:	1 minute at 250°C
Bake:	10 minutes at 260°C
Line and valve temp:	100°C

Interface:	Split injector at 150°C, 60:1 split ratio
Agilent 5973 MSD	
Scan range:	35-260 amu
Scan rate:	3.25 scans/sec
Quad temperature:	150°C
Source temperature:	200°C
Transfer line temp:	200°C

Sample Concentration

- Halogentated and aromatic analytes at 40 ppb
- Internal standards at 20 ppb
- Polar analytes (i.e., ethers, alcohols and ketones at 100-800 ppb)

1. Dichlorodifluoromethane
2. Chloromethane
3. Hydroxypropionitrile
4. Vinyl chloride
5. Bromomethane
6. Chloroethane
7. Ethanol
8. Acetonitrile
9. Acrolein
10. Trichlorofluoromethane
11. Isopropyl alcohol
12. Acetone
13. Ethyl ether
14. 1,1-Dichloroethene
15. *tert*-Butyl alcohol
16. Acrylonitrile
17. Methylene chloride
18. Allyl chloride
19. Allyl alcohol
20. 1-Propanol
21. Propargyl alcohol
22. *trans*-1,2-Dichloroethene
23. MTBE
24. 1,1-Dichloroethane
25. Propionitrile
26. 2-Butanone
27. Diisopropyl ether
28. *cis*-1,2-Dichloroethene
29. Methacrylonitrile
30. Bromochloromethane
31. Chloroform
32. 2,2-Dichloropropane
33. Ethyl acetate
34. Ethyl-*tert*-butyl ether
35. Methyl acrylate
36. Dibromofluoromethane IS
37. Isobutanol
38. Dichloroethane-d4 IS
39. Pentafluorobenzene
40. 1,2-Dichloroethane
41. 1,1,1-Trichloroethane
42. 1-Chlorobutane
43. Crotonaldehyde
44. 2-Chloroethanol
45. 1,1-Dichloropropene
46. 1-Butanol
47. Carbon tetrachloride
48. Chloroacetonitrile
49. Benzene
50. *tert*-Amylmethyl ether
51. Fluorobenzene IS
52. 2-Pentanone
53. Dibromomethane
54. 1,2-Dichloropropane
55. Trichloroethene
56. Bromodichloromethane
57. 2-Nitropropane
58. 1,4-Dioxane
59. Epichlorohydrin
60. Methyl methacrylate
61. *cis*-1,3-Dichloropropene
62. Propiolactone
63. Bromoacetone
64. Pyridine
65. *trans*-1,3-Dichloropropene
66. 1,1,2-Trichloroethane
67. Toluene-d8 IS
68. Toluene
69. 1,3-Dichloropropane
70. Paraldehyde
71. Ethyl methacrylate
72. Dibromochloromethane
73. 3-Chloropropionitrile
74. 1,2-Dibromoethane
75. Tetrachloroethene
76. 1,1,1,2-Tetrachloroethane
77. 1-Chlorohexane
78. Chlorobenzene
79. Ethylbenzene
80. Bromoform
81. *m*-Xylene
82. *p*-Xylene
83. *trans*-Dichlorobutene
84. 1,3-Dichloro-2-propanol
85. Styrene
86. 1,1,2,2-Tetrachloroethane
87. *o*-Xylene
88. 1,2,3-Trichlropropane
89. *cis*-Dichlorobutene
90. 4-Bromofluorobenzene IS
91. Isopropylbenzene
92. Bromobenzene
93. Propylbenzene
94. 2-Chlorotoluene
95. 4-Chlorotoluene
96. 1,3,5-Trimethylbenzene
97. Pentachloroethane
98. *tert*-Butylbenzene
99. 1,2,4-Trimethylbenzene
100. *sec*-Butylbenzene
101. 1,3-Dichlorobenzene
102. Benzylchloride
103. 1,4-Dichlorobenzene-d4 IS
104. 1,4-Dichlorobenzene
105. Isopropyltoluene
106. 1,2-Dichlorobenzene
107. Butylbenzene
108. 1,2-Dibromo-3-chloropropane
109. Hexachloroethane
110. Nitrobenzene
111. 1,2,4-Trichlorobenzene
112. Naphthalene
113. Hexachlorobutadiene
114. 1,2,3-Trichlorobenzene

Ideal for 5973 MSD