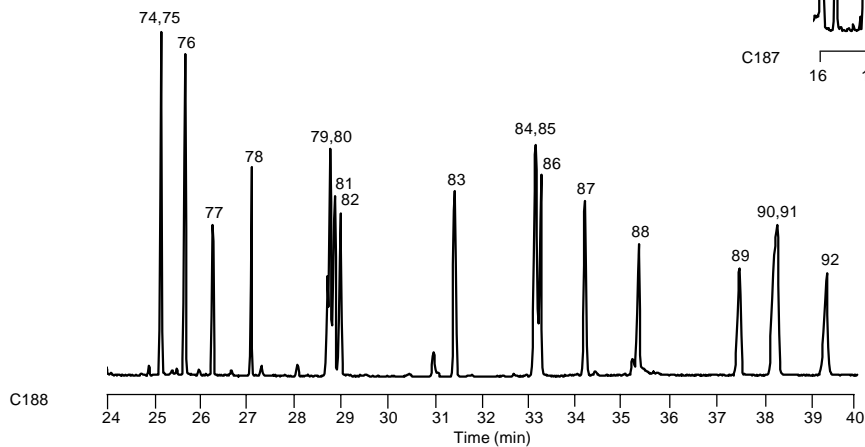
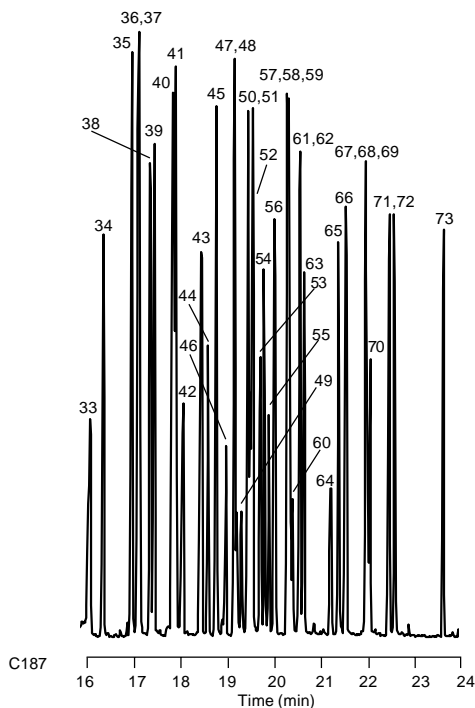
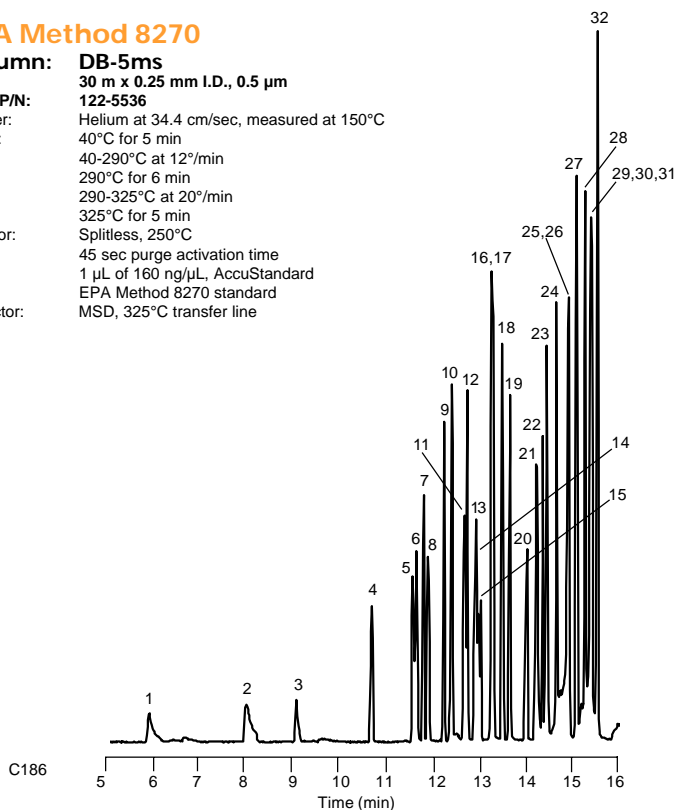


# EPA Method 8270

**Column:** DB-5ms  
30 m x 0.25 mm I.D., 0.5 µm  
**J&W P/N:** 122-5536  
**Carrier:** Helium at 34.4 cm/sec, measured at 150°C  
**Oven:** 40°C for 5 min  
40-290°C at 12°/min  
290°C for 6 min  
290-325°C at 20°/min  
325°C for 5 min  
**Injector:** Splitless, 250°C  
45 sec purge activation time  
1 µL of 160 ng/µL, AccuStandard  
EPA Method 8270 standard  
**Detector:** MSD, 325°C transfer line

Compound list for  
all chromatograms at right,  
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## EPA Method 8270 (Continued from page 204)

Compound	m/z	RT	Compound	m/z	RT	Compound	m/z	RT
1. N-Nitrosodimethylamine	42	5.95	38. 2,4,6-Trichlorophenol	196	17.40	74. Fluoranthene	202	25.15
2. 2-Picoline	93	8.02	39. 2,4,5-Trichlorophenol	196	17.48	75. Benzidine	184	25.38
3. Methyl methanesulfonate	80	9.10	40. 2-Chloronaphthalene	162	17.89	76. Pyrene	202	25.66
4. Ethyl methanesulfonate	79	10.70	41. 1-Chloronaphthalene	162	17.94	77. p-Dimethylaminoazobenzene	120	26.23
5. Phenol	94	11.58	42. 2-Nitroaniline	65	18.09	78. Butyl benzyl phthalate	149	27.08
6. Aniline	93	11.65	43. Dimethyl phthalate	163	18.49	79. 3,3'-Dichlorobenzidine	252	28.69
7. bis(2-Chloroethyl) ether	93	11.80	44. 2,6-Dinitrotoluene	165	18.64	80. bis(2-Ethylhexyl)phthalate	149	28.76
8. 2-Chlorophenol	128	11.90	45. Acenaphthylene	152	18.81	81. Benzo[a]anthracene	228	28.85
9. 1,3-Dichlorobenzene	146	12.24	46. 3-Nitroaniline	138	19.01	82. Chrysene	228	28.98
10. 1,4-Dichlorobenzene	146	12.40	47. Acenaphthene	154	19.20	83. Di-n-octyl phthalate	149	31.41
11. Benzyl alcohol	108	12.67	48. 2,4-Dinitrophenol	184	19.25	84. 7,12-Dimethylbenz[a]anthracene	256	33.13
12. 1,2-Dichlorobenzene	146	12.73	49. 4-Nitrophenol	139	19.35	85. Benzo[b]fluoranthene	252	33.16
13. 2-Methyl phenol	108	12.92	50. Pentachlorobenzene	250	19.49	86. Benzo[k]fluoranthene	252	33.26
14. bis(2-Chloroisopropyl) ether	45	12.97	51. 2,4-Dinitrotoluene	165	19.54	87. Benzo[a]pyrene	252	34.20
15. 4-Methyl phenol	108	13.25	52. Dibenzofuran	168	19.59	88. 3-Methylcholanthrene	268	35.34
16. Acetophenone	105	13.28	53. 1-Naphthylamine	143	19.75	89. Dibenz[a,j]acridine	279	37.49
17. N-Nitrosodi-n-propylamine	70	13.29	54. 2,3,4,6-Tetrachlorophenol	232	19.84	90. Indeno[1,2,3-c,d]pyrene	276	38.23
18. Hexachloroethane	117	13.48	55. 2-Naphthylamine	143	19.93	91. Dibenz[a,h]anthracene	278	38.30
19. Nitrobenzene	77	13.65	56. Diethyl phthalate	149	20.06	92. Benzo[g,h,i]perylene	276	39.34
20. N-Nitrosopiperidine	114	14.00	57. 4-Chlorophenyl phenyl ether	204	20.32			
21. Isophorone	82	14.21	58. Fluorene	166	20.36			
22. 2-Nitrophenol	139	14.35	59. 4-Nitroaniline	138	20.39			
23. 2,4-Dimethylphenol	122	14.43	60. 4,6-Dinitro-2-methylphenol	198	20.45			
24. bis(2-Chloroethoxy)methane	93	14.64	61. Diphenylamine	169	20.60			
25. Benzoic acid	122	14.83	62. Decomposed					
26. 2,4-Dichlorophenol	162	14.89	N-Nitrosodiphenylamine	169	20.60			
27. 1,2,4-Trichlorobenzene	180	15.06	63. 1,2-Diphenylhydrazine	77	20.68			
28. Naphthalene	128	15.25	64. Phenacetin	108	21.25			
29. (α, α)-Dimethylphenethylamine	58	15.32	65. 4-Bromophenyl phenyl ether	248	21.42			
30. 4-Chloroaniline	127	15.37	66. Hexachlorobenzene	284	21.58			
31. 2,6-Dichlorophenol	162	15.39	67. 4-Aminobiphenyl	169	22.00			
32. Hexachlorobutadiene	225	15.51	68. Pentachlorophenol	266	22.01			
33. N-Nitroso-di-n-butylamine	84	16.11	69. Pentachloronitrobenzene	295	22.04			
34. 4-Chloro-3-methylphenol	107	16.40	70. Pronamide	173	22.09			
35. 2-Methylnaphthalene	142	17.01	71. Phenanthrene	178	22.50			
36. Hexachlorocyclopentadiene	237	17.13	72. Anthracene	178	22.62			
37. 1,2,4,5-Tetrachlorobenzene	216	17.16	73. Di-n-butylphthalate	149	23.65			