

GC Application

ID No.: 14946

EPA 8270C on ZB-5MS 30x0.25x0.5

Column: Zebtron[™] ZB-5MS, GC Cap. Column 30 m x 0.25 mm x 0.50 μm, Ea

Phase: 5% Phenyl-Arylene 95% Dimethylpolysiloxane

Dimensions: 30 meters x 0.25 mm x 0.5 μm

Order No: 7HG-G010-17

Oven Profile: 50°C for 3 min to 325°C at 9°C/min for 2 min

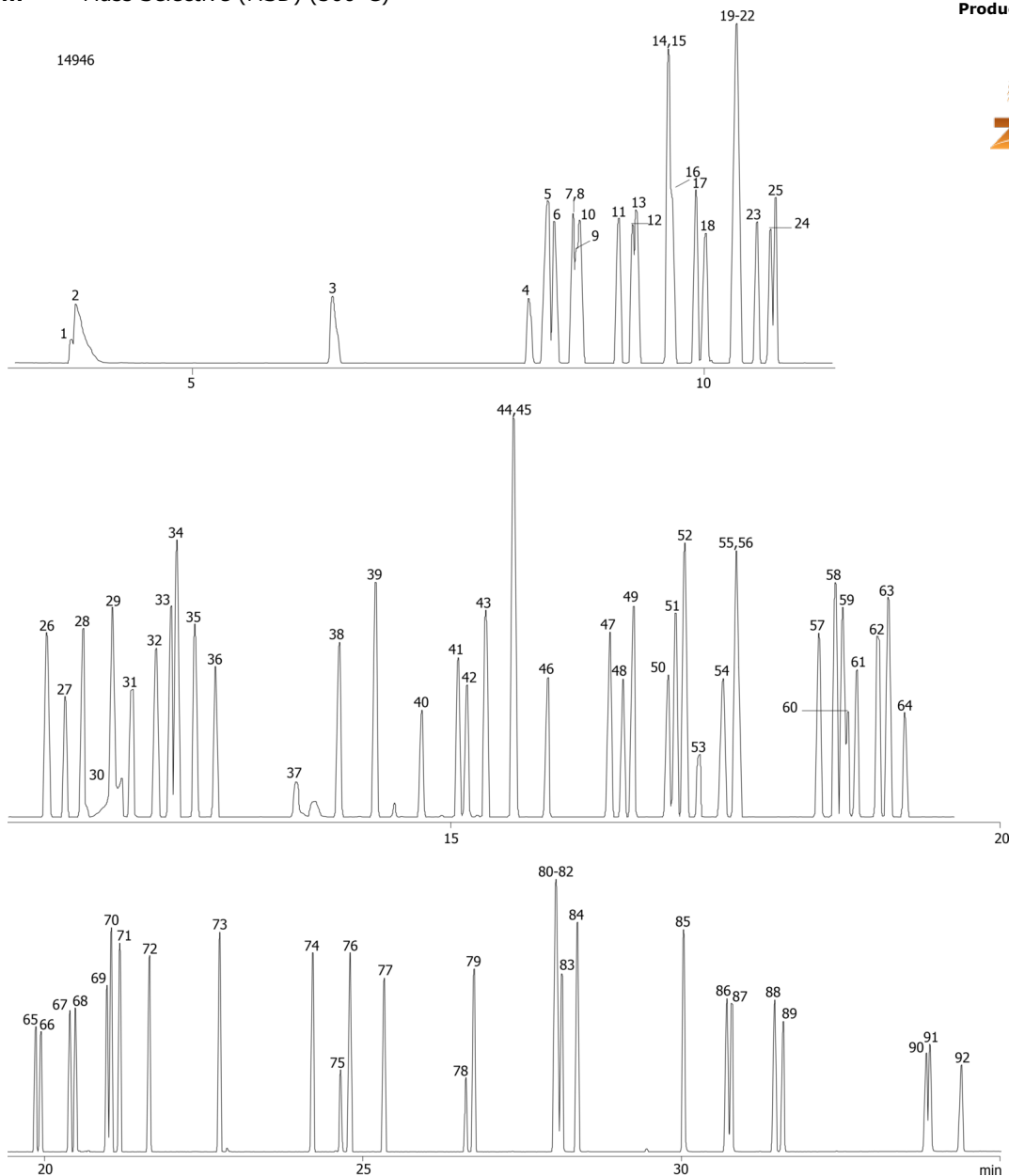
Carrier Gas: Constant Flow Helium, 1.88 mL/min

Injection: Splitless :1 1 μL @ 250°C

Detection: Mass Selective (MSD) (300°C)



Products used in this application:



EPA 8270C on ZB-5MS 30x0.25x0.5**ANALYTES:**

1 n-Nitrosodidimethylamine	41 2,4,6-Trichlorophenol	81 3,3'-Dichlorobenzidine
2 Pyridine	42 2,4,5-Trichlorophenol	82 Chrysene-d12
3 2-Fluorophenol	43 2-Fluorobiphenyl	83 Chrysene
4 Benzaldehyde	44 1,1'-Biphenyl	84 bis(2-Ethylhexyl)phthalate
5 Phenol-d5	45 2-Chloronaphthalene	85 Di-n-octylphthalate
6 Phenol	46 2-Nitroaniline	86 Benzo[b]fluoranthene
7 Aniline	47 Dimethylphthalate	87 Benzo[k]fluoranthene
8 bis(2-Chloroethyl)ether	48 2,6-Dinitrotoluene	88 Benzo[a]pyrene
9 2-Chlorophenol-d4	49 Acenaphthylene	89 Perylene-d12
10 2-Chlorophenol	50 3-Nitroaniline	90 Indeno[1,2,3-cd]pyrene
11 1,3-Dichlorobenzene	51 Acenaphthene-d10	91 Dibenz[a,h]anthracene
12 1,4-Dichlorobenzene-d4	52 Acenaphthene	92 Benzo[g,h,i]perylene
13 1,4-Dichlorobenzene	53 2,4-Dinitrophenol	
14 1,2-Dichlorobenzene-d4	54 4-Nitrophenol	
15 Benzyl alcohol	55 Dibenzofuran	
16 1,2-Dichlorobenzene	56 2,4-Dinitrotoluene	
17 2-Methylphenol	57 Diethylphthalate	
18 bis(2-Chloroisopropyl)ether	58 Fluorene	
19 Acetophenone	59 4-Chlorophenylphenylether	
20 3-Methylphenol	60 4-Nitroaniline	
21 4-Methylphenol	61 4,6-Dinitro-2-methylphenol	
22 N-Nitroso-di-n-propylamine	62 n-Nitrosodiphenylamine	
23 Hexachloroethane	63 1,2-Diphenylhydrazine	
24 Nitrobenzene-d5	64 2,4,6-Tribromophenol	
25 Nitrobenzene	65 4-Bromophenyl phenyl ether	
26 Isophorone	66 Hexachlorobenzene	
27 2-Nitrophenol	67 Atrazine	
28 2,4-Dimethylphenol	68 Pentachlorophenol	
29 bis(2-Chloroethoxy)methane	69 Phenanthrene-d10	
30 Benzoic acid	70 Phenanthrene	
31 2,4-Dichlorophenol	71 Anthracene	
32 1,2,4-Trichlorobenzene	72 Carbazole	
33 Naphthalene-d8	73 Di-n-butyl phthalate	
34 Naphthalene	74 Fluoranthene	
35 4-Chloroaniline	75 Benzidine	
36 Hexachlorobutadiene	76 Pyrene	
37 Caprolactam	77 Terphenyl-d14	
38 4-Chloro-3-methylphenol	78 3,3'-Dimethylbenzidine	
39 2-Methylnaphthalene	79 Butylbenzyl phthalate	
40 Hexachlorocyclopentadiene	80 Benzo[a]anthracene	

