

GC Application

ID No.: 14945

EPA Method 8270C on Guardian on ZB-5

Column: Zebron[™] ZB-5 w/GUARDIAN[™], 5 m, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

Phase: 5% Phenyl 95% Dimethylpolysiloxane

Dimensions: 30 meters x 0.25 mm x 0.25 μm

Order No: 7HG-G002-11-GGA

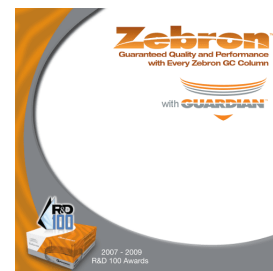
Oven Profile: 50°C for 2 min to 70°C at 20°C/min to 195°C at 16°C/min to 285°C at 30°C/min to 320°C at 6°C/min for 4 min

Carrier Gas: Constant Flow Helium, 0.9 mL/min

Injection: Split 10:1 1 μL @ 250°C

Detection: Mass Selective (MSD) (240°C)

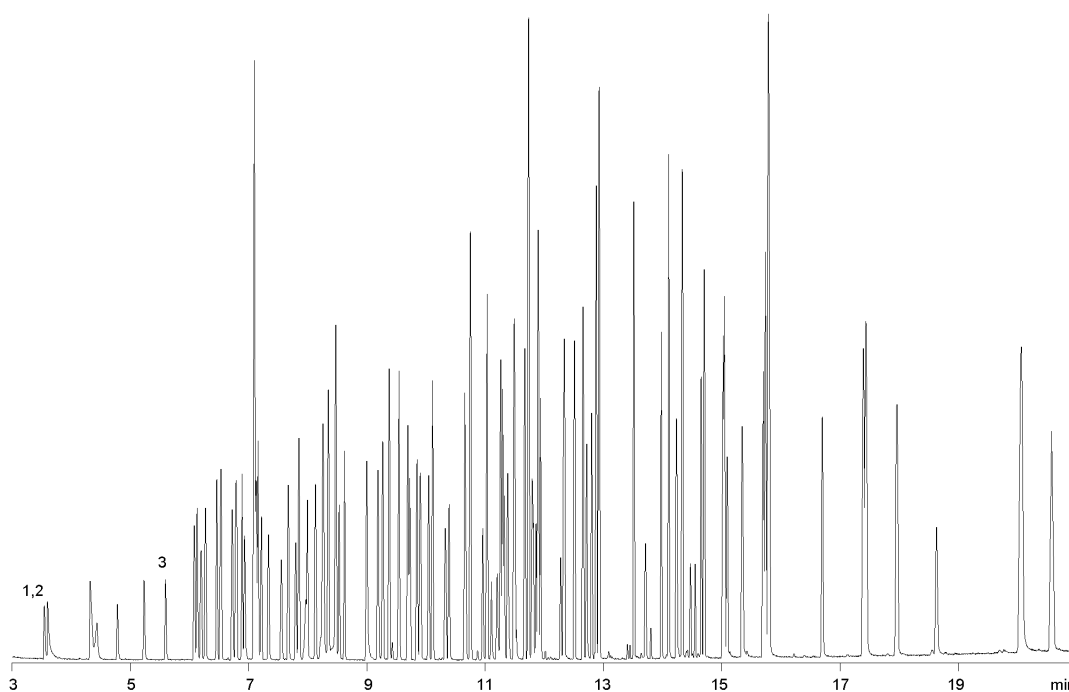
Analyst Note: EPA Method 8270C protocol was followed



Products used in this application:



14945



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ANALYTES:

1 N-Nitrosodimethylamine	41 N-Nitrosodibutylamine	81 Pentachlorophenol
2 Pyridine	42 4-Chloro-3-methylphenol	82 Pentachloronitrobenzene
3 2-Picoline	43 Safrole	83 Phenanthrene
4 N-Nitrosomethylethylamine	44 2-Methylnaphthalene	84 Dinoseb
5 Methyl methanesulfonate	45 1-Methylnaphthalene	85 Anthracene
6 N-Nitrosodiethylamine	46 1,2,4,5-Tetrachlorobenzene	86 Di-n-butyl phthalate
7 Ethyl methanesulfonate	47 Hexachlorocyclopentadiene	87 4-Nitroquinoline-n-oxide
8 Phenol	48 2,4,6-Trichlorophenol	88 Methapyrilene
9 Aniline	49 2,4,5-Trichlorophenol	89 Isodrin
10 bis(2-Chloroethyl)ether	50 Isosafrole (isomer)	90 Fluoranthene
11 2-Chlorophenol	51 2-Chloronaphthalene	91 Benzidine
12 1,3-Dichlorobenzene	52 2-Nitroaniline	92 Pyrene
13 1,4-Dichlorobenzene	53 1,4-Naphthoquinone	93 Aramite (isomer)
14 Benzyl alcohol (Benzenemethanol)	54 Dimethyl phthalate	94 Aramite (isomer)
15 1,2-Dichlorobenzene	55 1,3-Dinitrobenzene	95 Dimethylaminoazobenzene
16 2-Methylphenol	56 2,6-Dinitrotoluene	96 Chlorobenzilate
17 bis(Chloroisopropyl)ether	57 Acenaphthylene	97 3,3-Dimethylbenzidine
18 4-Methylphenol / 3-Methylphenol (isomers combined)	58 2-Nitroaniline	98 Benzyl butyl phthalate
19 N-Nitrosopyrrolidine	59 Acenaphthene	99 Kepone
20 Acetophenone	60 2,4-Dinitrophenol	100 2-Acetylaminofluorene
21 N-Nitrosomorpholine	61 4-Nitrophenol	101 3,3'-Dichlorobenzidine
22 N-Nitroso-di-n-propylamine	62 Dibenzofuran	102 Benz[a]anthracene
23 2-Toluidine	63 Pentachlorobenzene	103 bis(2-Ethylhexyl)phthalate
24 Hexachloroethane	64 2,4-Dinitrotoluene	104 Chrysene
25 Nitrobenzene	65 1-Naphthalenamine	105 Di-n-octyl phthalate
26 N-Nitrosopiperidine	66 2-Naphthalenamine	106 Benzo[b]fluoranthene
27 Isophorone	67 2,3,4,6-Tetrachlorophenol	107 Benzo[k]fluoranthene
28 2-Nitrophenol	68 Diethyl phthalate	108 Benzo[a]pyrene
29 2,4-Dimethylphenol	69 Fluorene	109 3-Methylcholanthrene
30 Benzoic acid	70 4-Chlorophenylphenylether	110 Indeno[1,2,3-cd]pyrene
31 bis(2-Chloroethoxy)methane	71 2-Methyl-5-nitroaniline	111 Dibenz[a,h]anthracene
32 2,4-Dichlorophenol	72 4-Nitroaniline	112 Benzo[g,h,i]perylene
33 alpha,alpha-Dimethylphenylamine	73 2-Methyl-4,6-dinitrophenol	
34 1,2,4-Trichlorobenzene	74 Diphenylamine	
35 Naphthalene	75 Azobenzene	
36 4-Chloroaniline	76 1,3,5-Trinitrobenzene	
37 2,6-Dichlorophenol	77 Phenacetin	
38 Hexachloropropene	78 4-Bromophenylphenylether	
39 Hexachloro-1,3-butadiene	79 Hexachlorobenzene	
40 1,4-Phenylenediamine	80 4-Aminobiphenyl	

