

GC Application

ID No.: 14442

Semivolatiles (BNA) by GC/MS (EPA Method 8270C)

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

Phase: 5% Phenyl 95% Dimethylpolysiloxane

Dimensions: 30 meters x 0.25 mm x 0.5 μ m

Order No: 7HG-G002-17

Oven Profile: 50°C (hold 3min), 50-325°C @ 9°C/min (hold 2min)

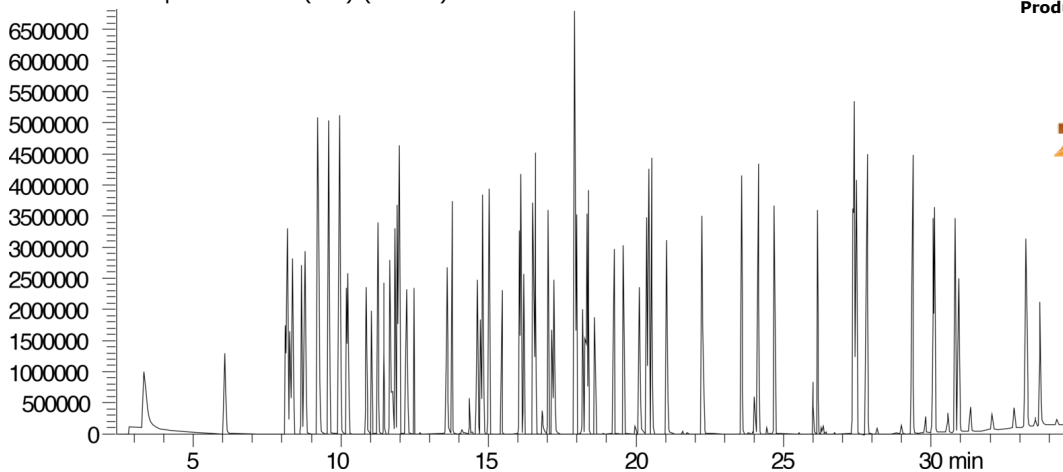
Carrier Gas: Helium, 1.88 mL/min

Injection: Split 11:1 1 μ L @ 250°C

Detection: Mass Spectrometer (MS) (300°C)



Products used in this application:



Semivolatiles (BNA) by GC/MS (EPA Method 8270C)**ANALYTES:**

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

