

GC Application

ID No.: 25308

Naphthalene Marker Standards on ZB-DHA-PONA 100m x 0.25mm x 0.5um

Column: Zebron ZB-DHA-PONA, GC Cap. Column 100m x 0.25mm x 0.5um , Ea

Phase:

Dimensions: 100 meters x 0.25 mm x 0.5 µm

Order No: 7MG-G042-17

Oven Profile: 35°C for 14 min to 60°C @ 1.1°C/min 60°C for 19 min to 60°C @ 1.1°C/min 60°C for 19 min to 280°C @ 2°C/min 280°C for 5 min to

Carrier Gas: Constant Flow Helium, 1.55 mL/min

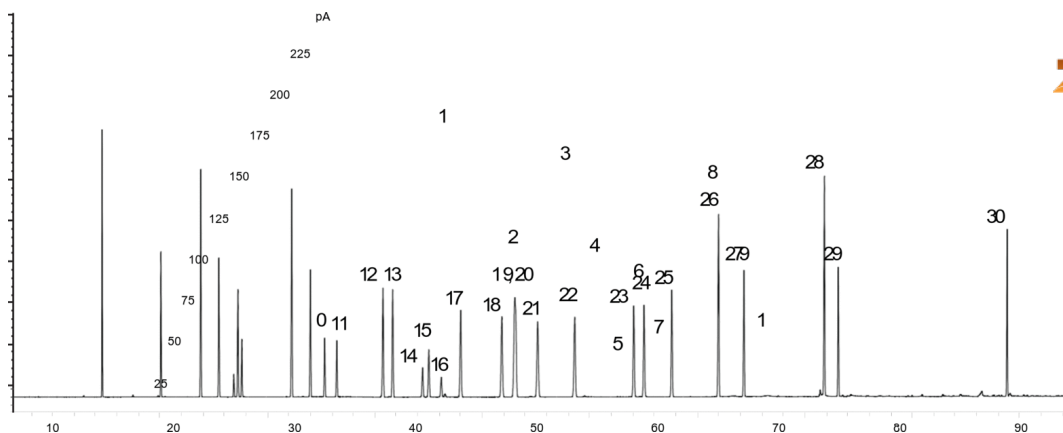
Injection: Split 40:1 0.2 µL @ 300°C

Detection: GC/FID (320°C)

Analyst Note: The paraffins standard was first diluted 100:1 in pentane and then run with a 40:1 split to avoid column



Products used in this application:



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ANALYTES:

1	Methylcyclohexane	41	cis-1,2-Dimethylcyclohexane
2	Ethylcyclopentane	42	n-Propylcyclopentane
3	ctc-1,2,4-Trimethylcyclopentane	43	ccc-1,3,5-Trimethylcyclohexane
4	ctc-1,2,3-Trimethylcyclopentane	44	1,1,4-Trimethylcyclohexane
5	cct-1,2,4-Trimethylcyclopentane	45	ctt-1,2,4-Trimethylcyclohexane
6	trans-1,4-Dimethylcyclohexane	46	ctc-1,2,4-Trimethylcyclohexane
7	1-Ethyl-1-methylcyclopentane	47	1,1,2-Trimethylcyclohexane
8	trans-1,2-Dimethylcyclohexane	48	Isobutylcyclopentane
9	ccc-1,2,3-Trimethylcyclopentane	49	Isopropylcyclohexane
10	Isopropylcyclopentane	50	n-Butylcyclopentane
11	cis-1,2-Dimethylcyclohexane	51	Isobutylcyclohexane
12	n-Propylcyclopentane	52	t-1-Methyl-2-propylcyclohexane
13	ccc-1,3,5-Trimethylcyclohexane	53	t-1-Methyl-2-(4MP)cyclopentane
14	1,1,4-Trimethylcyclohexane		
15	ctt-1,2,4-Trimethylcyclohexane		
16	Cyclopentane		
17	ctc-1,2,4-Trimethylcyclohexane		
18	Methylcyclopentane		
19	1,1,2-Trimethylcyclohexane		
20	Cyclohexane		
21	Isobutylcyclopentane		
22	1,1-Dimethylcyclopentane		
23	Isopropylcyclohexane		
24	cis-1,3-Dimethylcyclopentane		
25	n-Butylcyclopentane		
26	trans-1,3-Dimethylcyclopentane		
27	Isobutylcyclohexane		
28	trans-1,2-Dimethylcyclopentane		
29	t-1-Methyl-2-propylcyclohexane		
30	Methylcyclohexane		
31	t-1-Methyl-2-(4MP)cyclopentane		
32	Ethylcyclopentane		
33	ctc-1,2,4-Trimethylcyclopentane		
34	ctc-1,2,3-Trimethylcyclopentane		
35	cct-1,2,4-Trimethylcyclopentane		
36	trans-1,4-Dimethylcyclohexane		
37	1-Ethyl-1-methylcyclopentane		
38	trans-1,2-Dimethylcyclohexane		
39	ccc-1,2,3-Trimethylcyclopentane		
40	Isopropylcyclopentane		

