

GC Application

ID No.: 25309

Aromatics 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 280°C @ 2°C/min 280°C for 5 min

Carrier Gas: Constant Flow Helium, 1.55 mL/min

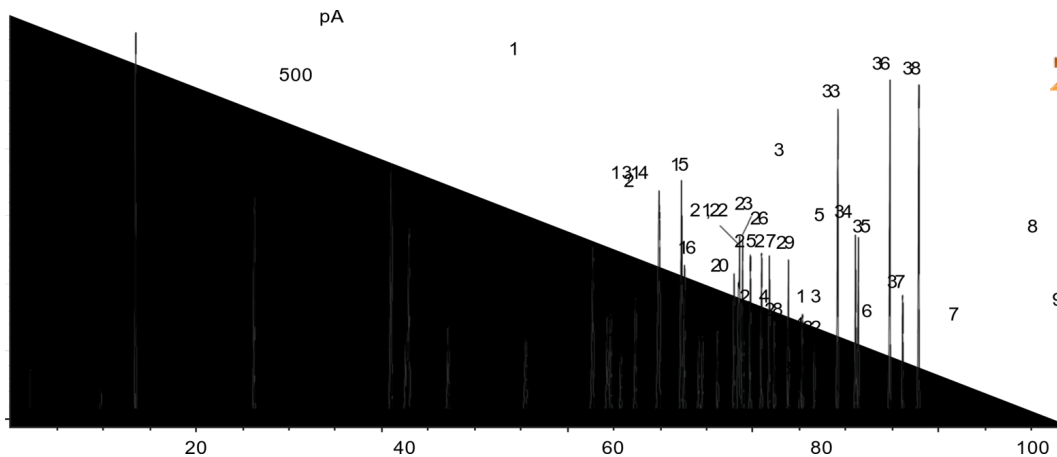
Injection: Split 40:1 0.2 µL @ 300°C

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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1	1-Methyl-3-ethylbenzene	41	1,3,5-Triethylbenzene
2	1-Methyl-4-ethylbenzene	42	tert-Butylbenzene
3	1,3,5-Trimethylbenzene	43	1,2,4-Triethylbenzene
4	1-Methyl-2-ethylbenzene	44	Isobutylbenzene
5	1,2,4-Trimethylbenzene	45	n-Hexylbenzene
6	tert-Butylbenzene	46	sec-Butylbenzene
7	Isobutylbenzene	47	1-Methyl-3-isopropylbenzene
8	sec-Butylbenzene	48	1-Methyl-4-isopropylbenzene
9	1-Methyl-3-isopropylbenzene	49	1-Methyl-2-isopropylbenzene
10	1-Methyl-4-isopropylbenzene	50	1-Methyl-3-n-propylbenzene
11	1-Methyl-2-isopropylbenzene	51	1-Methyl-4-n-propylbenzene
12	1-Methyl-3-n-propylbenzene	52	n-Butylbenzene
13	1-Methyl-4-n-propylbenzene	53	1-Methyl-2-n-propylbenzene
14	n-Butylbenzene	54	1,2-Diethylbenzene
15	Benzene	55	1,4-Dimethyl-2-ethylbenzene
16	1-Methyl-2-n-propylbenzene	56	1,3-Dimethyl-5-ethylbenzene
17	Toluene	57	1,2-Dimethyl-4-ethylbenzene
18	1,2-Diethylbenzene	58	1,3-Dimethyl-2-ethylbenzene
19	Ethylbenzene	59	1,2-Dimethyl-3-ethylbenzene
20	1,4-Dimethyl-2-ethylbenzene	60	1,2,4,5-Tetramethylbenzene
21	m-Xylene	61	2-Methylbutylbenzene
22	1,3-Dimethyl-5-ethylbenzene	62	trans-1-Butyl-2-methylbenzene
23	p-Xylene	63	n-Pentylbenzene
24	1,2-Dimethyl-4-ethylbenzene	64	t-1-Butyl,3,5-dimethylbenzene
25	o-Xylene	65	t-1-butyl-ethylbenzene
26	1,3-Dimethyl-2-ethylbenzene	66	1,3,5-Triethylbenzene
27	Isopropylbenzene	67	1,2,4-Triethylbenzene
28	1,2-Dimethyl-3-ethylbenzene	68	n-Hexylbenzene
29	1,2,4,5-Tetramethylbenzene		
30	n-Propylbenzene		
31	2-Methylbutylbenzene		
32	1-Methyl-3-ethylbenzene		
33	trans-1-Butyl-2-methylbenzene		
34	1-Methyl-4-ethylbenzene		
35	n-Pentylbenzene		
36	1,3,5-Trimethylbenzene		
37	t-1-Butyl,3,5-dimethylbenzene		
38	1-Methyl-2-ethylbenzene		
39	t-1-butyl-ethylbenzene		
40	1,2,4-Trimethylbenzene		

