

GC Application

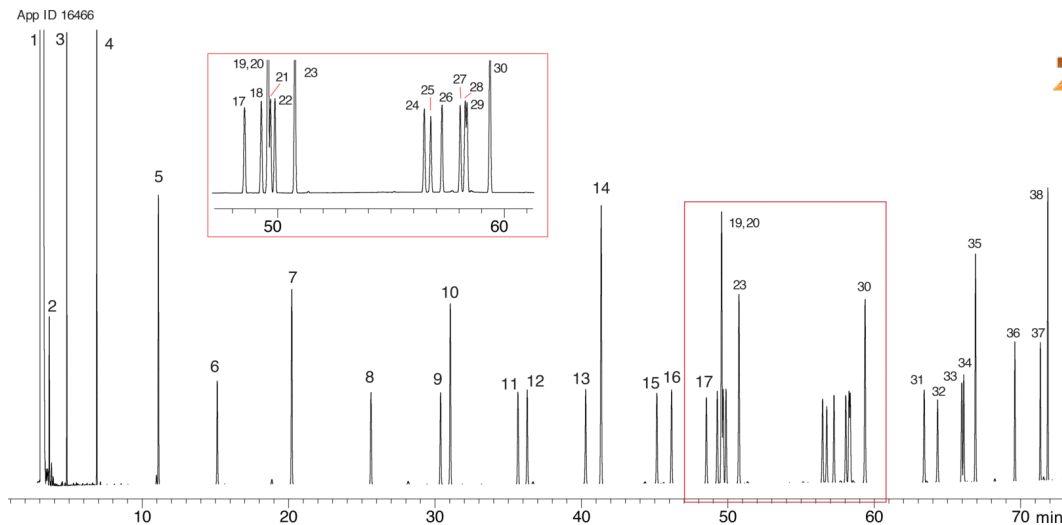
ID No.: 16466

Food Industry FAMES by FID on ZB-5MSi

Column: Zebtron™ ZB-5MSi, GC Cap. Column 60 m x 0.25 mm x 0.25 μm, Ea
Phase: 5% Phenyl 95% Dimethylpolysiloxane
Dimensions: 60 meters x 0.25 mm x 0.25 μm
Order No: 7KG-G018-11
Oven Profile: 60 °C to 140 °C @ 20 °C/min for 10 min to 240 °C @ 2 °C to 280 °C @ 5 °C/min for 10 min
Carrier Gas: Constant Flow Hydrogen, 1.6 mL/min
Injection: Split 5:1 1 μL @ 230°C
Detection: Flame Ionization (FID) (250°C)
Analyst Note: Analytes concentration 400 ug/ml



Products used in this application:



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ANALYTES:

- 1 Methylene chloride
- 2 Butyric acid methyl ester (C4:0)
- 3 Caproic acid methyl ester (C6:0)
- 4 Caprylic acid methyl ester (C8:0)
- 5 Capric acid methyl ester (C10:0)
- 6 Undecanoic acid methyl ester (C11:0)
- 7 Lauric acid methyl ester (C12:0)
- 8 Tridecanoic acid methyl ester (C13:0)
- 9 Myristoleic acid methyl ester (C14:1)
- 10 Myristic acid methyl ester (C14:0)
- 11 cis-10-Pentadecenoic acid methyl ester (C15:1)
- 12 Pentadecanoic acid methyl ester (15:0)
- 13 Palmitoleic acid methyl ester (C16:1)
- 14 Palmitic acid methyl ester (C16:0)
- 15 cis-10-Heptadecenoic acid methyl ester (C17:1)
- 16 Heptadecanoic acid methyl ester (C17:0)
- 17 gamma-Linolenic acid methyl ester (C18:3n6)
- 18 Linoleic acid methyl ester (C18:2n6c)
- 19 Linolenic acid methyl ester (C18:3n3)
- 20 Oleic acid methyl ester (C18:1n9c)
- 21 Linolelaidic acid methyl ester (C18:2n6t)
- 22 Elaidic acid methyl ester (C18:1n9t)
- 23 Stearic acid methyl ester (C18:0)
- 24 Arachidonic acid methyl ester (C20:4n6)
- 25 cis-5,8,11,14,17-Eicosapentaenoic acid methyl ester (C20:5n3)
- 26 cis-8,11,14-Eicosatrienoic acid methyl ester (C20:3n3)
- 27 cis-11,14-Eicosadienoic acid methyl ester (C20:2)
- 28 cis-11-Eicosenoic acid methyl ester (C20:1)
- 29 cis-11,14,17-Eicosatrienoic acid methyl ester (C20:3n3)
- 30 Arachidic acid methyl ester (C20:0)
- 31 Heneicosanoic acid methyl ester (C21:0)
- 32 cis-4,7,10,13,16,19-Eicosahexaenoic acid methyl ester (C22:6n3)
- 33 cis-13,16-Docosadienoic acid methyl ester (C22:2)
- 34 Erucic acid methyl ester (C22:1n9)
- 35 Behenic acid methyl ester (C22:0)
- 36 Tricosanoic acid methyl ester (C23:0)
- 37 Nervonic acid methyl ester (C24:1)
- 38 Lignoceric acid methyl ester (C24:0)

