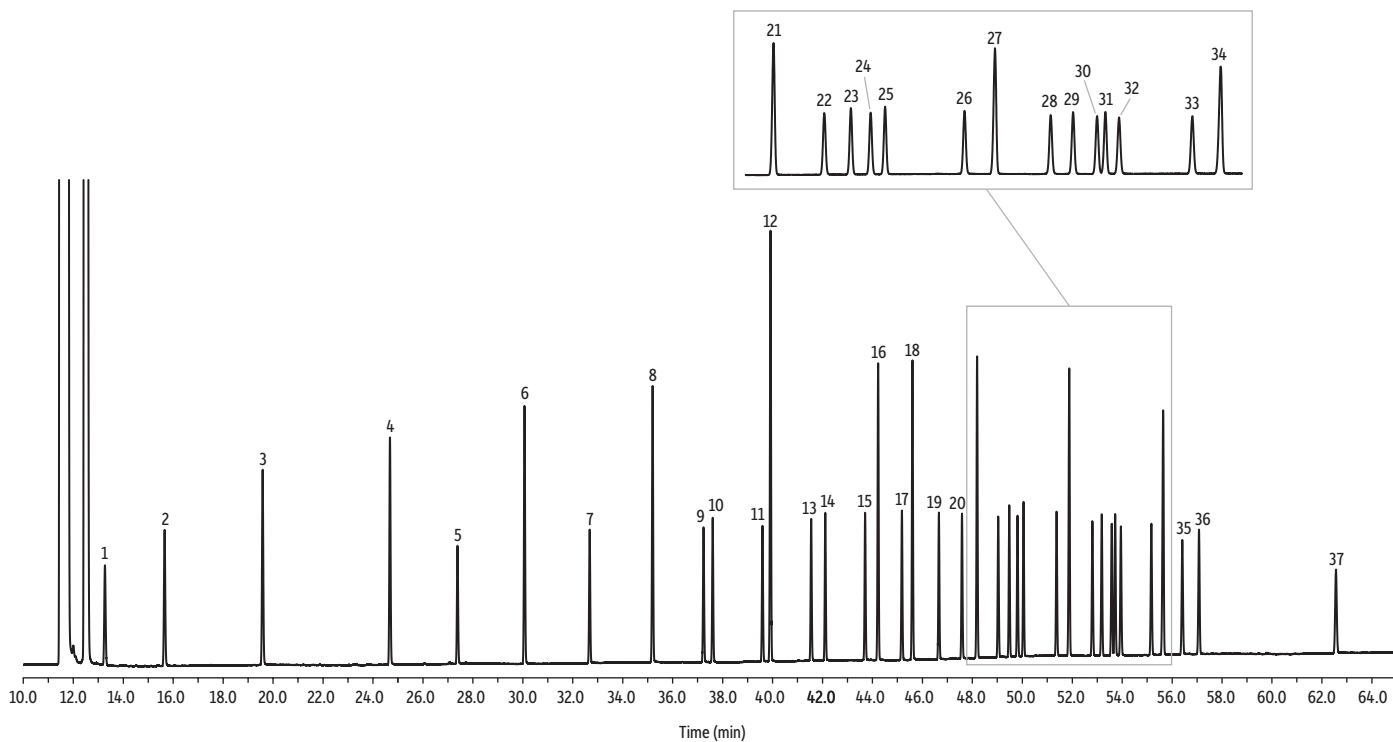


Nutritional Labeling FAMES on Rt-2560 by AOAC Method 996.06



GC_FF1261

Peaks	t _R (min)	Conc. (µg/mL)	Structural Nomenclature
1. Methyl butyrate	13.16	40	C4:0
2. Methyl caproate	15.53	40	C6:0
3. Methyl octanoate	19.43	40	C8:0
4. Methyl decanoate	24.50	40	C10:0
5. Methyl undecanoate	27.20	20	C11:0
6. Methyl dodecanoate	29.87	40	C12:0
7. Methyl tridecanoate	32.47	20	C13:0
8. Methyl myristate	34.97	40	C14:0
9. Methyl myristoleate	37.01	20	C14:1 (c9)
10. Methyl pentadecanoate	37.37	20	C15:0
11. Methyl pentadecenoate	39.36	20	C15:1 (c10)
12. Methyl palmitate	39.68	60	C16:0
13. Methyl palmitoleate	41.30	20	C16:1 (c9)
14. Methyl heptadecanoate	41.86	20	C17:0
15. Methyl heptadecenoate	43.45	20	C17:1 (c10)
16. Methyl stearate	43.97	40	C18:0
17. Methyl octadecenoate	44.92	20	C18:1 (t9)
18. Methyl oleate	45.34	40	C18:1 (c9)
19. Methyl linoleaidate	46.39	20	C18:2 (t9,t12)
20. Methyl linoleate	47.32	20	C18:2 (c9,c12)
21. Methyl arachidate	47.92	40	C20:0
22. Methyl linolenate	48.77	20	C18:3 (c6,c9,c12)
23. Methyl eicosenoate	49.20	20	C20:1 (c11)
24. Methyl linolenate	49.54	20	C18:3 (c9,c12,c15)
25. Methyl heneicosanoate	49.78	20	C21:0
26. Methyl eicosanoate	51.09	20	C20:2 (c11,c14)
27. Methyl behenate	51.60	40	C22:0
28. Methyl eicosatrienoate	52.52	20	C20:3 (c8,c11,c14)
29. Methyl erucate	52.88	20	C22:1 (c13)
30. Methyl eicosatrienoate	53.28	20	C20:3 (c11,c14,c17)
31. Methyl arachidonate	53.42	20	C20:4 (c5,c8,c11,c14)
32. Methyl tricosanoate	53.65	20	C23:0
33. Methyl docosadienoate	54.85	20	C22:2 (c13,c16)
34. Methyl lignocerate	55.32	40	C24:0
35. Methyl eicosapentaenoate	56.09	20	C20:5 (c5,c8,c11,c14,c17)
36. Methyl nervonate	56.74	20	C24:1 (C15)
37. Methyl docosahexaenoate	62.17	20	C22:6 (c4,c7,c10,c13,c16,c19)

Column Rt-2560, 100 m, 0.25 mm ID, 0.20 µm (cat.# 13198)
Sample Food industry FAME mix (cat.# 35077)
Diluent: Hexane/dichloromethane
Conc: 1,000 µg/mL
Injection
Inj. Vol.: 1 µL split (split ratio 20:1)
Liner: Premium 4 mm Precision liner w/wool (cat.# 23305)
Inj. Temp: 225 °C
Oven
Oven Temp.: 100 °C (hold 4 min) to 240 °C at 3 °C/min (hold 15 min)
Carrier Gas He, constant flow
Flow Rate: 1.0 mL/min
Detector FID @ 285 °C
Make-up Gas Flow Rate: 45 mL/min
Make-up Gas Type: N₂
Hydrogen flow: 30 mL/min
Air flow: 300 mL/min
Data Rate: 20 Hz
Instrument Agilent 7890A GC