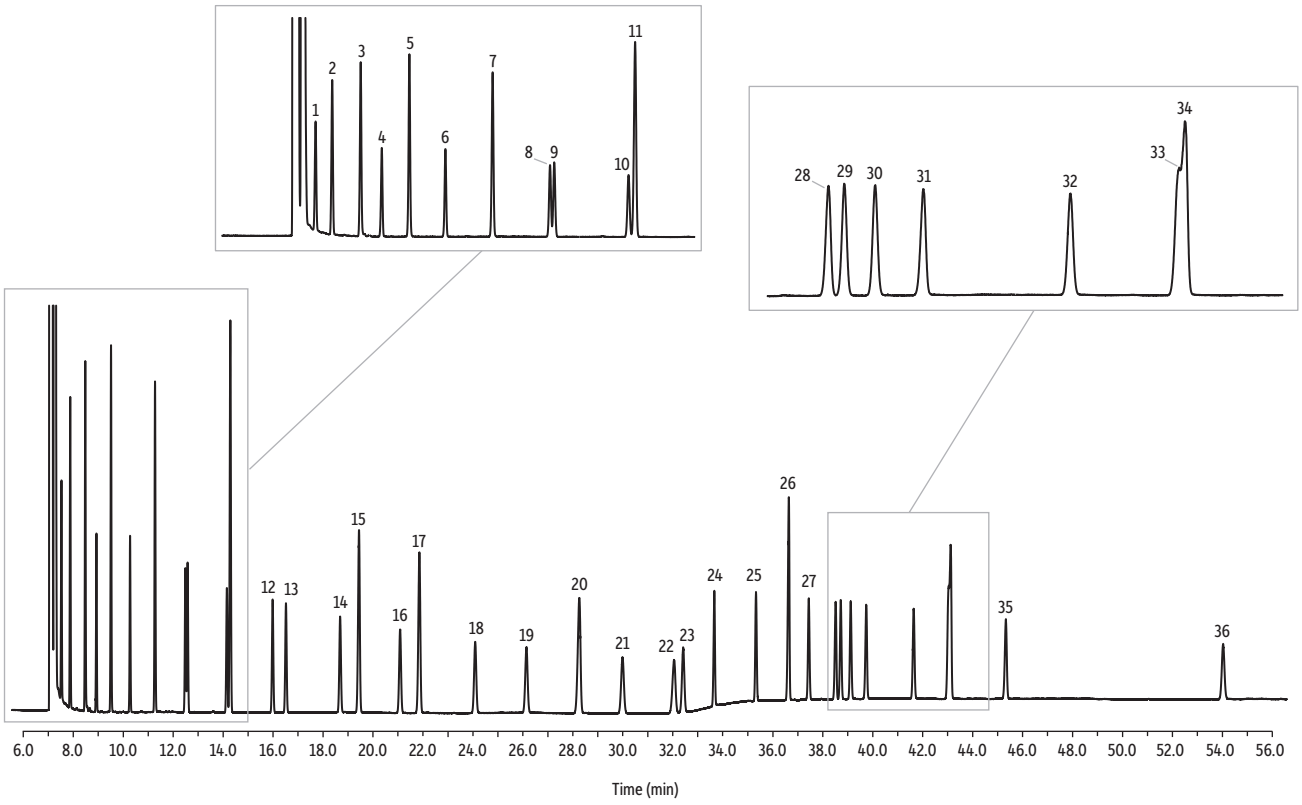
Nutritional Labeling FAMEs on Rt-2560 by AOCS Method Ce-1j-07



GC_FF1262

Peaks	t_R (min)	Conc. (µg/mL)	Structural Nomenclature
1. Methyl caproate	7.52	40	C6:0
2. Methyl octanoate	7.88	40	C8:0
3. Methyl decanoate	8.48	40	C10:0
4. Methyl undecanoate	8.93	20	C11:0
5. Methyl dodecanoate	9.51	40	C12:0
6. Methyl tridecanoate	10.27	20	C13:0
7. Methyl myristate	11.27	40	C14:0
8. Methyl myristoleate	12.48	20	C14:1 (c9)
9. Methyl pentadecanoate	12.57	20	C15:0
10. Methyl pentadecenoate	14.15	20	C15:1 (C10)
11. Methyl palmitate	14.28	60	C16:0
12. Methyl palmitoleate	15.98	20	C16:1 (c9)
13. Methyl heptadecanoate	16.51	20	C17:0
14. Methyl heptadecenoate	18.68	20	C17:1 (c10)
15. Methyl stearate	19.43	40	C18:0
16. Methyl octadecenoate	21.08	20	C18:1 (t9)
17. Methyl oleate	21.85	40	C18:1 (c9)
18. Methyl linolelaidate	24.09	20	C18:2 (t9,t12)
19. Methyl linoleate	26.14	20	C18:2 (c9,c12)
20. Methyl arachidate	28.25	40	C20:0
21. Methyl linolenate	29.98	20	C18:3 (c6,c9,c12)
22. Methyl eicosenoate	32.05	20	C20:1 (c11)
23. Methyl linolenate	32.41	20	C18:3 (c9,c12,c15)
24. Methyl heneicosanoate	33.66	20	C21:0
25. Methyl eicosadienoate	35.33	20	C20:2 (c11,c14)
26. Methyl behenate	36.64	40	C22:0
27. Methyl eicosatrienoate	37.44	20	C20:3 (c8,c11,c14)
28. Methyl erucate	38.51	20	C22:1 (c13)
29. Methyl eicosatrienoate	38.72	20	C20:3 (c11,c14,c17)
30. Methyl arachidonate	39.12	20	C20:4 (c5,c8,c11,c14)
31. Methyl tricosanoate	39.74	20	C23:0
32. Methyl docosadienoate	41.64	20	C22:2 (c13,c16)
33. Methyl eicosapentaenoate	43.07	20	C20:5 (c5,c8,c11,c14,c17)
34. Methyl lignocerate	43.11	40	C24:0
35. Methyl nervonate	45.33	20	C24:1 (c15)
36. Methyl docosahexaenoate	54.02	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.# 23305.1)
Inj. Temp.:	235 °C
Oven	
Oven Temp.:	180 °C (hold 32 min) to 215 °C at 20 °C/min (hold 31.25 min)
Carrier Gas	He, constant flow
Flow Rate:	2.0 mL/min
Detector	FID @ 325 °C
Make-up Gas Flow Rate:	45 mL/min
Make-up Gas Type:	N_2
Hydrogen flow:	30 mL/min
Air flow:	300 mL/min
Data Rate:	20 Hz
Instrument	Agilent 7890A GC
Notes	C4:0 Methyl butyrate (623-42-7) elutes in the solvent front.

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