

High Resolution Analysis of Heavier Alcohols as TMS Derivatives in Marine Sediments



Application Note

AN0049

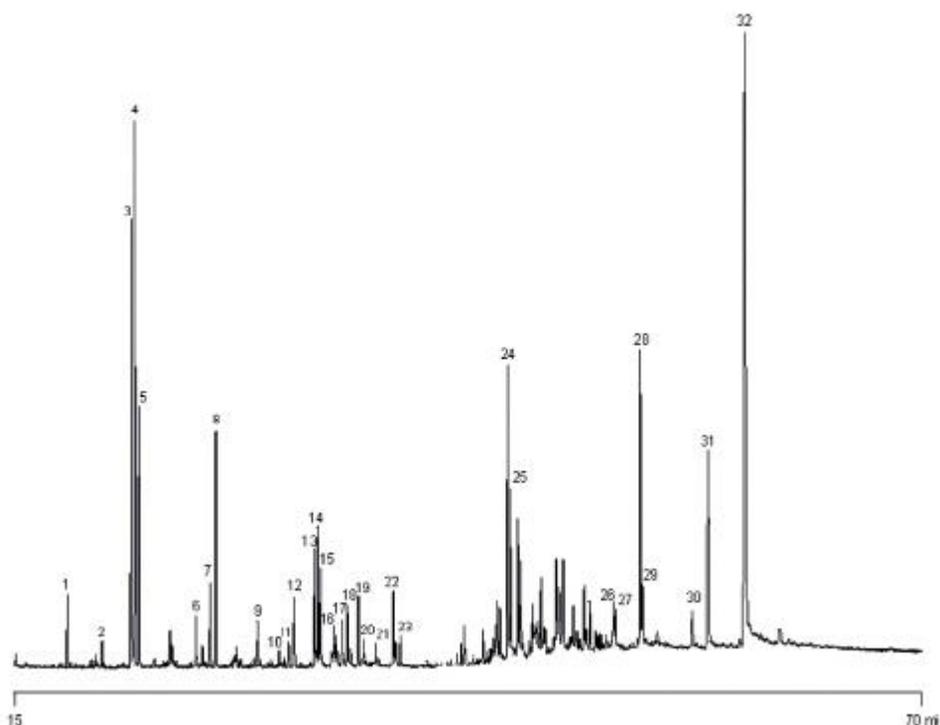
SCION GC-FID

GC-FID conditions

Injector	PTV, 310°C, splitless 1 minute
Sample	1µL
Column	SCION-5MS 30m x 0.25mm x 0.25µm
Oven	60°C (1 min) to 150°C at 10°C/min, 150°C to 320°C at 4°C/min (30 mins)
Carrier Gas	Helium, 48kPa

Peak Identification

1	Tetradecanol	17	Docosanol
2	Pentadecanol	18	1-11,12-methylene-hexadecylglycerol monoether
3	9-hexadecenol	19	2-phytamyl glycerol monoether
4	11-hexadecenol	20	1-phytamyl glycerol monoether
5	Hexadecenol	21	1-11-octadecenyl glycerol monoether
6	Phytanol	22	Tetracosenol
7	Octadecanol	23	Tetracosanol
8	Phytol	24	Cholesterol
9	1-tetradecyl glycol monoether	25	Cholestanol
10	Eicosanol	26	Tetrahymanol
11	1-pentadecyl glycerol monoether	27	Diploterol
12	Tetracosane	28	11,2-dihexadecenyl glycerol diether
13	1-(Z)9-hexadecenyl glycerol monoether	29	1,2-hexadecenyl hexadecyl glycerol diether
14	1-(Z)-11-hexadecenyl glycerol monoether	30	bishomohopanol
15	1-hexadecyl glycerol monoether	31	archaeol
16	Docosenol	32	2-hydroxyarchaeol



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