

GC Application

ID No.: 18094

Marine Oil Fumes on ZB-35HT Inferno by MSD

Column: Zebron[™] ZB-35HT, GC Cap. Column 30 m x 0.25 mm x 0.25 μm, Ea

Phase: 35% Phenyl 65% Dimethylpolysiloxane

Dimensions: 30 meters x 0.25 mm x 0.25 μm

Order No: 7HG-G025-11

Oven Profile: 70 °C to 160 °C @ 15 °C/min to 250 °C @ 2 °C/min to 340 °C @ 20 °C/min

Carrier Gas: Constant Flow Helium, 1.2 mL/min

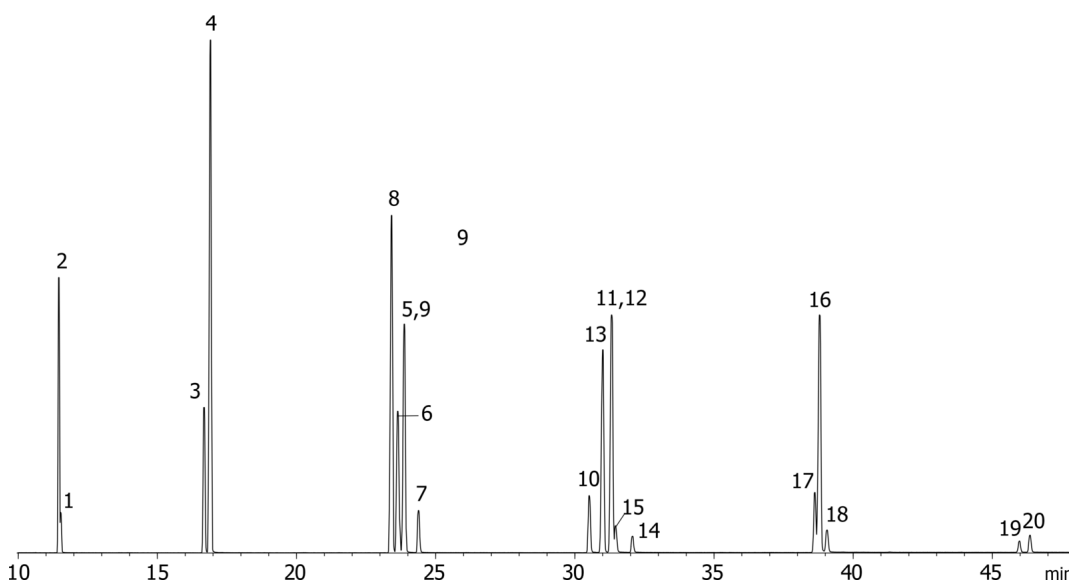
Injection: Split 10:1 1 μL @ 250°C

Detection: Mass Selective (MSD) (350°C)

Analyst Note: Analytes are of varying concentrations in dichloromethane.



Products used in this application:



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ANALYTES:

- 1 Methyl myristoleate (C14:1)
- 2 Methyl myristate (C14:0)
- 3 Methyl palmitoleate (C16:1)
- 4 Methyl palmitate (C16:0)
- 5 Methyl linoleate (C18:2)
- 6 Methyl vaccenate (C18:1)
- 7 Methyl linolenate (C18:3)
- 8 Methyl oleate (C18:1)
- 9 Methyl stearate (C18:0)
- 10 Methyl arachidonate (C20:4)
- 11 Methyl eicosapentaenoate (C20:5)
- 12 Methyl 11,14-eicosadienoate (C20:2)
- 13 Methyl 11-eicosanoate (C20:1)
- 14 Methyl-11,14,17-eicosatrienoate (C20:3)
- 15 Methyl arachidate (C20:0)
- 16 Methyl docosahexaenoate (C22:6)
- 17 Methyl erucate (C22:1)
- 18 Methyl behenate (22:0)
- 19 Methyl nervonate (C24:1)
- 20 Methyl lignocerate (C24:0)

