

ASTM D6584: Free and Total Glycerin in B-99.9 Biodiesel Methyl Esters on ZB-XLB-HT

Column: Zebron™ ZB-XLB-HT, GC Cap. Column 15 m x 0.25 mm x 0.10 µm, Ea

Phase: Proprietary XLB Phase

Dimensions: 15 meters x 0.25 mm x 0.1 µm

Order No: 7EG-G024-02

Oven Profile: 50 °C for 1 min to 180 °C @ 15 °C/min to 230 °C @ 7 °C/min to 380 °C @ 30 °C/min for 10 min

Carrier Gas: Constant Flow Helium, 1.3 mL/min

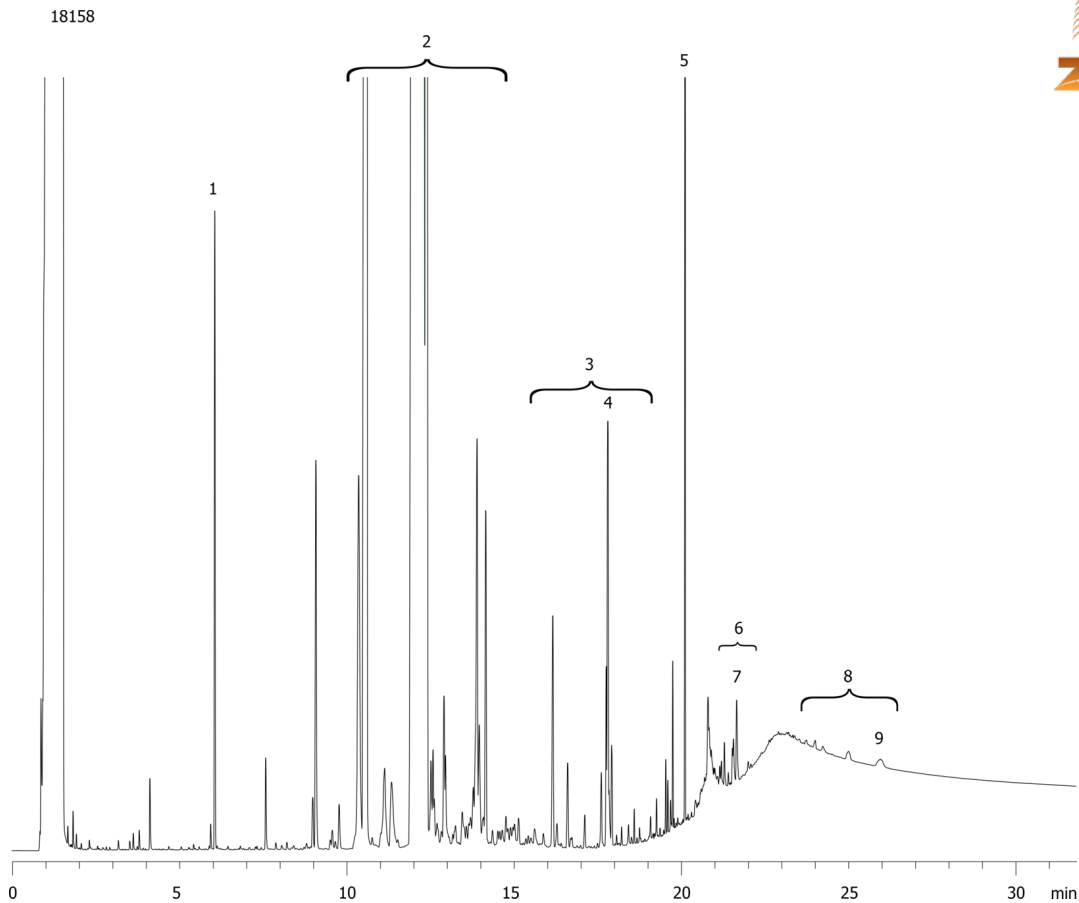
Injection: On-Column :1 0.1 µL @ 53°C

Detection: Flame Ionization (FID) (380°C)

Analyst Note: A 30 cm x 0.53 mm i.d. Guard Column was connected to the analytical column per ASTM method requirements.



Products used in this application:



ANALYTES:

- 1 Butanetriol
- 2 Esters
- 3 Monoglycerides
- 4 1-Monooleoyl-rac-glycerol
- 5 Tricaprin
- 6 Diglycerides
- 7 1,3-Diolein
- 8 Triglycerides
- 9 Triolein

