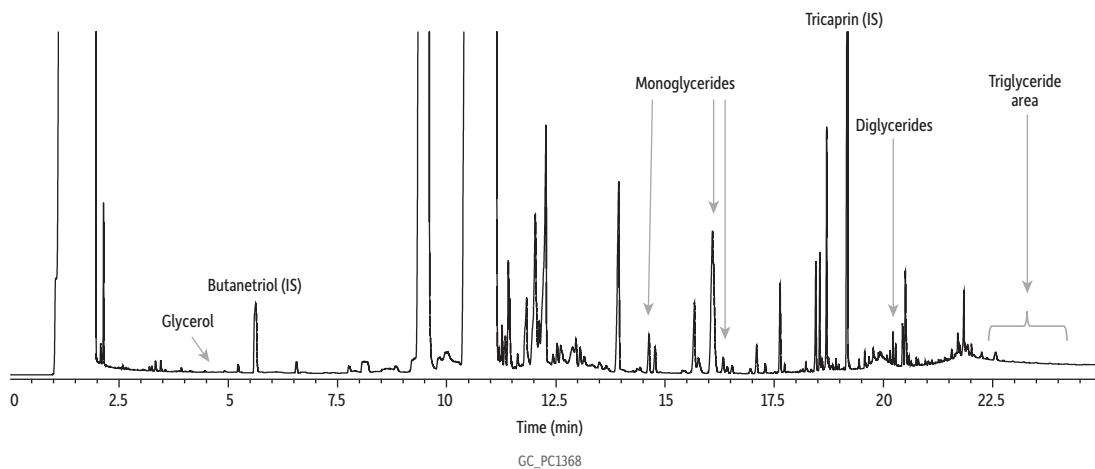


# Glycerol and Glycerides in Biodiesel on Rtx-Biodiesel TG (10 m) by ASTM D6584



Peaks	tr (min)
1. Glycerol	4.682
2. 1,2,4-Butanetriol	5.624
3. Monoglycerides	as shown
4. Tricaprin	19.174
5. Diglycerides	20.13 - 20.80
6. Triglycerides	22.24 - 24.70

**Column Standard/Sample** Rtx-Biodiesel TG with 2 m x 0.53 mm ID retention gap, 10 m, 0.32 mm ID, 0.1 µm (cat.# 10291)  
Soy B100 biodiesel  
Tricaprin (1,2,3-tricaprinoylglycerol) (cat.# 33025)  
(s)-(-)-1,2,4-Butanetriol (cat.# 33024)

**Diluent:** Heptane

**Injection**  
Inj. Vol.: 1 µL cool on-column  
Temp. Program: Track oven

**Oven**  
Oven Temp.: 50 °C (hold 1 min) to 180 °C at 15 °C/min to 230 °C at 7 °C/min to 380 °C at 30 °C/min (hold 10 min)

**Carrier Gas** H<sub>2</sub>, constant flow

**Flow Rate:** 1.6 mL/min

**Detector** FID @ 380 °C

**Instrument** Agilent 7890B GC

**Sample Preparation** Sample preparation followed ASTM D6584-17: Soy biodiesel B100 was fortified with internal standards (butanetriol and tricaprin) and derivatized using MSTFA.