

USP Glycerin Purity Assay on ZB-BAC-2

Column: Zebtron™ ZB-BAC-2, GC Cap. Column 30 m x 0.53 mm x 2.00 μm, Ea

Phase: Proprietary Blood Alcohol Phase

Dimensions: 30 meters x 0.53 mm x 2 μm

Order No: 7HK-G022-32

Oven Profile: 100 °C for 4 min to 120 °C @ 50 °C/min for 10 min to 220 °C @ 50 °C/min for 6 min

Carrier Gas: Constant Flow Helium, 4.5 mL/min

Injection: Split 10:1 1 μL @ 220°C

Detection: Flame Ionization (FID) (250°C)

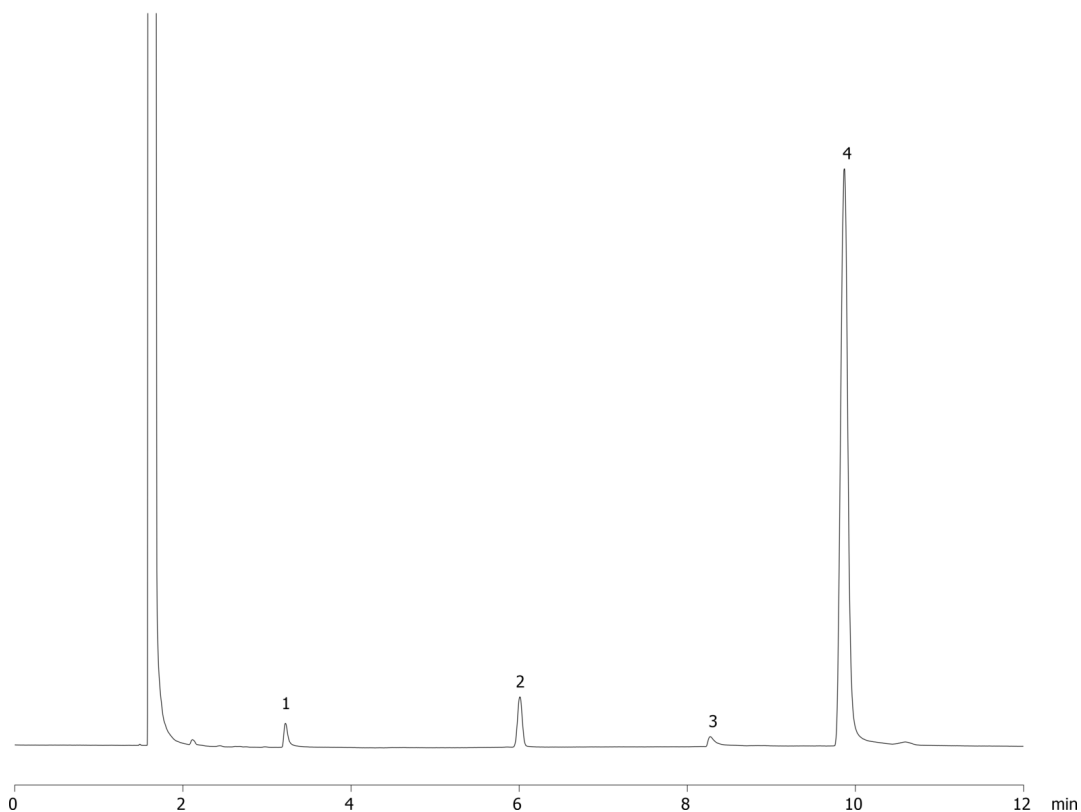
Analyst Note: Concentrations were 2.0 mg/mL Glycerin, 0.050 mg/mL ethylene glycol, 0.050 mg/mL diethylene glycol, and 0.10 mg/mL 2,2,2-trichloroethanol (IS)
Run as a dual column analysis with ZB-BAC-1
Resolution = 11.09 between glycerin and diethylene glycol



Products used in this application:



19291



ANALYTES:

- 1 Ethylene glycol
- 2 2,2,2-Trichloroethanol
- 3 Diethylene glycol
- 4 Glycerin

