GC Application ID No.: **19290**



USP Glycerin Purity Assay on ZB-BAC-1

Zebron™ ZB-BAC-1, GC Cap. Column 30 m x 0.53 mm x 3.00 μm, Ea Column:

Proprietary Blood Alcohol Phase Phase: **Dimensions:** 30 meters x 0.53 mm x 3 μm

7HK-G021-36 Order No:

Oven Profile:

Carrier Gas: Constant Flow Helium, 4.5 mL/min Injection: Split 10.0000000000:1 0 µL @ 220°C

Detection: Refractive Index (250°C)

Analyst Note: $Concentrations were 2.0 \ mg/mL \ Glycerin, \ 0.050 \ mg/mL \ ethylene \ glycol, \ 0.050 \ mg/mL \ diethylene \ glycol, \ and \ 0.10 \ mg/mL \ diethylene \ glycol, \ and \ glycol, \ and \ glycol, \ and \ glycol, \ and \ glycol, \ glyc$

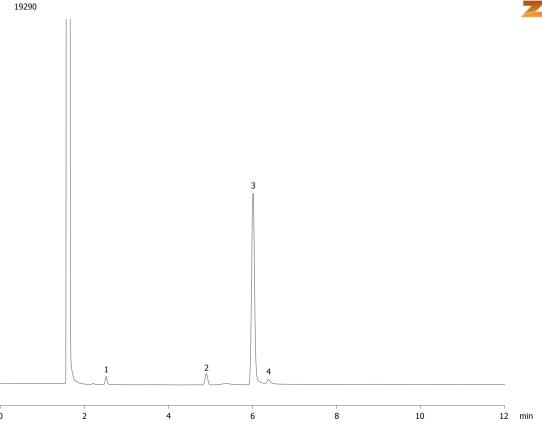
mg/mL 2,2,2-trichloroethanol (IS) Run as a dual column analysis with ZB-BAC-2

Resolution = 3.04 between glycerin and diethylene glycol



Products used in this application:





ANALYTES:

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

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