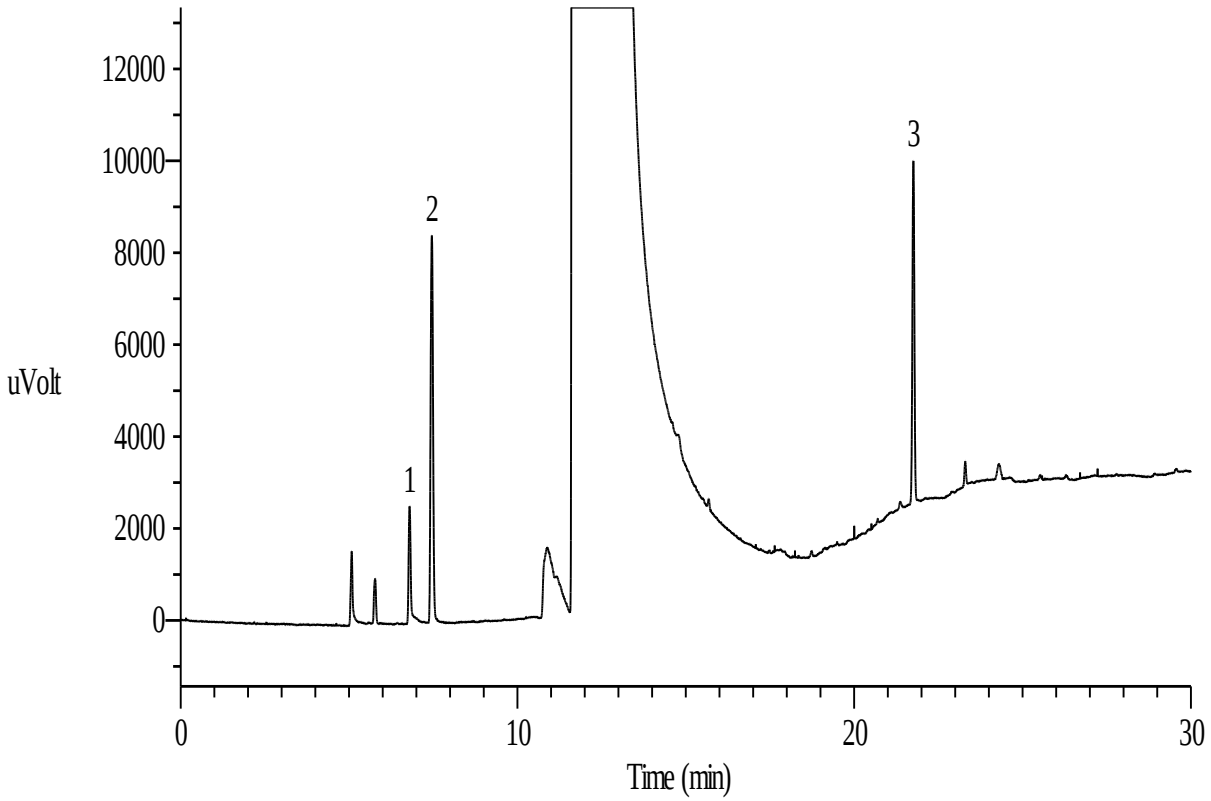
InertSearch™ for GC

InertCap® Applications

Ethylene oxide in Ethanol

Data No. GA147-0591



Conditions

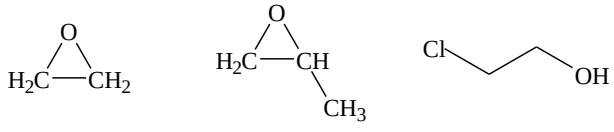
System : GC/FID Headspace Gas(HT3)
Column : InertCap WAX
0.25 mm I.D. x 60 m df = 0.50 µm
Col. Cat. No. : 1010-67164
Col. Temp. : 40 ℃ (5 min hold) - 10 ℃/min
- 200 ℃ (9 min hold)
Carrier Gas : He 150 kPa
Injection : Split flow 11 mL/min
150 ℃
Detection : FID Range 10^0
220 ℃
Sample Size : Headspace Gas 0.5 mL
70 ℃ 30 min

Analytes were dissolved in Ethanol and then 10 mL of Ethanol solution was introduced into a 22 mL vial

Analyte

1. Ethylene oxide	1 mg/L
2. Propylene oxide	5 mg/L
3. 2-Chloroethanol	50 mg/L

Chemical Structure



1. Ethylene oxide 2. Propylene oxide 3. 2-Chloroethanol

Structures are created using Chemistry 4-D Draw which is provided by ChemInnovayion Software, Inc.

GL Sciences