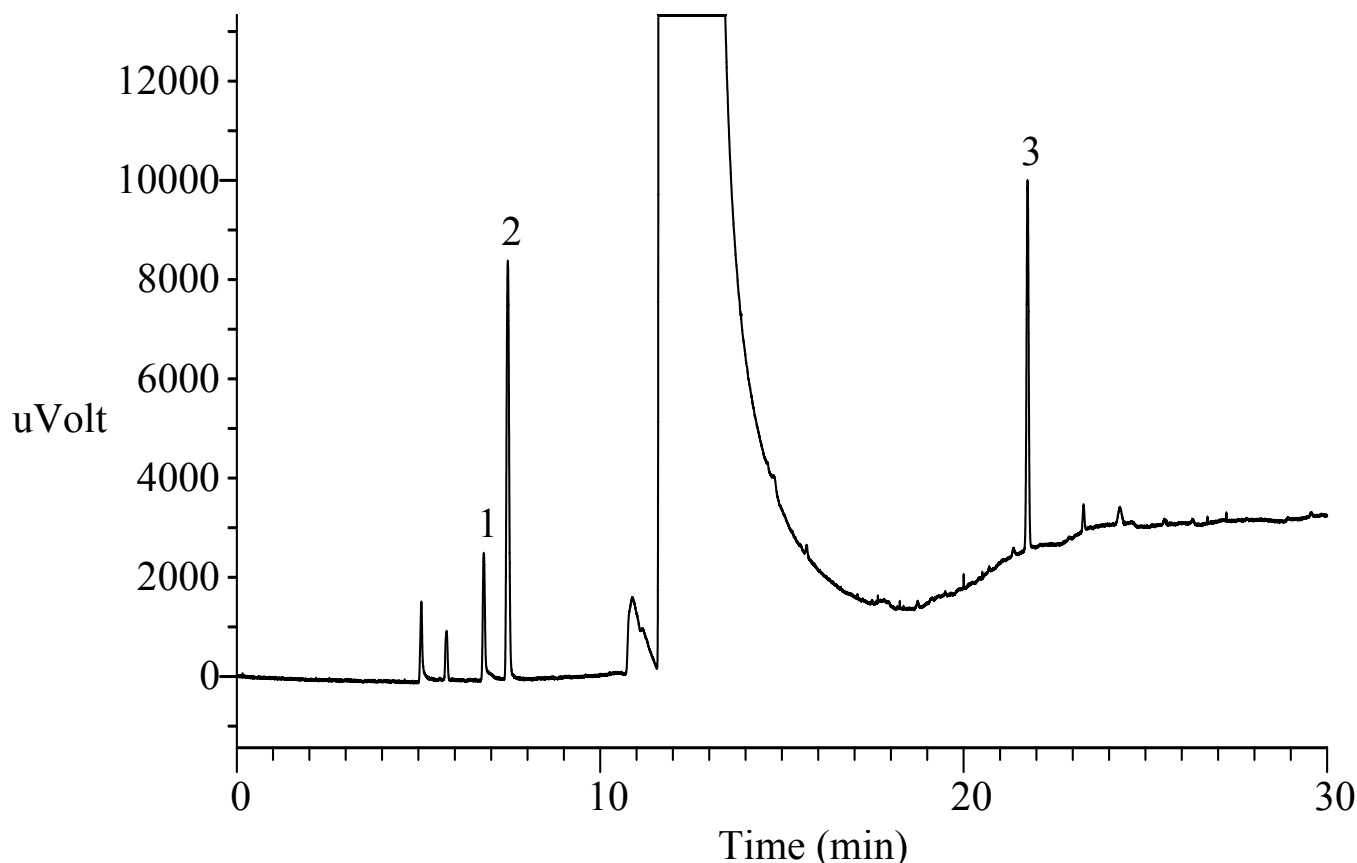


# InertSearch™ for GC

InertCap® Applications

## Ethylene oxide in Ethanol

Data No. GA147-0591



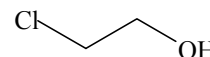
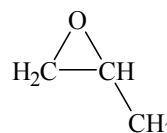
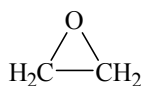
### Conditions

**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 °C (5 min hold) - 10 °C/min  
- 200 °C (9 min hold)  
**Carrier Gas** : He 150 kPa  
**Injection** : Split flow 11 mL/min  
150 °C  
**Detection** : FID Range 10<sup>0</sup>  
220 °C  
**Sample Size** : Headspace Gas 0.5 mL  
70 °C 30 min

### 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 ChemInnovation Software, Inc.

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