Acrylates as odorants in natural gas

Application Note

Energy & Fuels

Authors
Agilent Technologies, Inc.

Introduction
Fast GC analysis of two acrylate odorants in natural gas using an Agilent Lowox multilayer column, in under two minutes.
**Conditions**

Technique: GC-capillary

Column: Agilent Lowox, 0.53 mm x 10 m fused silica (Part No. CP8587)

Temperature: 170 °C

Carrier Gas: He, 15 mL/min

Injector: Split, 50 mL/min

Detector: FID, T= 250 °C

Sample Size: 250 μL

Concentration: methyl acrylate and ethyl acrylate, 2 ppm in natural gas

Courtesy: J. Kuipers and N. Reuter, Agilent application laboratory, Middelburg, The Netherlands

**Peak identification**

1. methyl acrylate
2. ethyl acrylate