



# Acrylates as odorants in natural gas

## Application Note

Energy & Fuels

### Authors

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### Introduction

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



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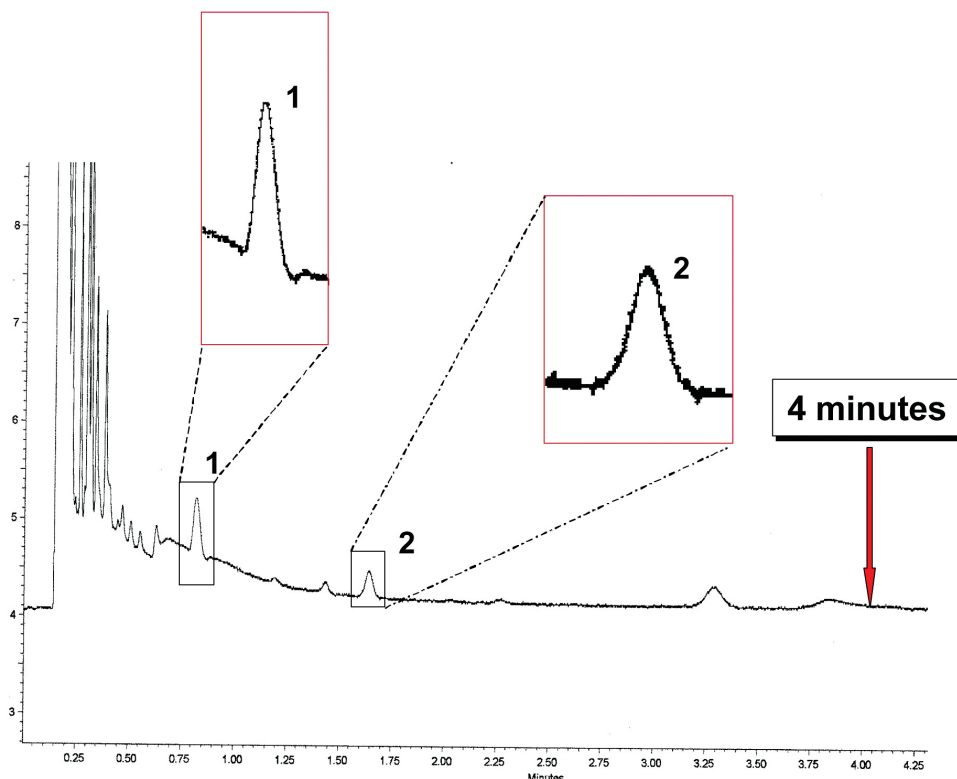
## Conditions

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



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This information is subject to change without notice.

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