Application 265-00
Agilent Monomer Analyzer

Impurities in 1,3-Butadiene

Technical Overview

Application Highlights

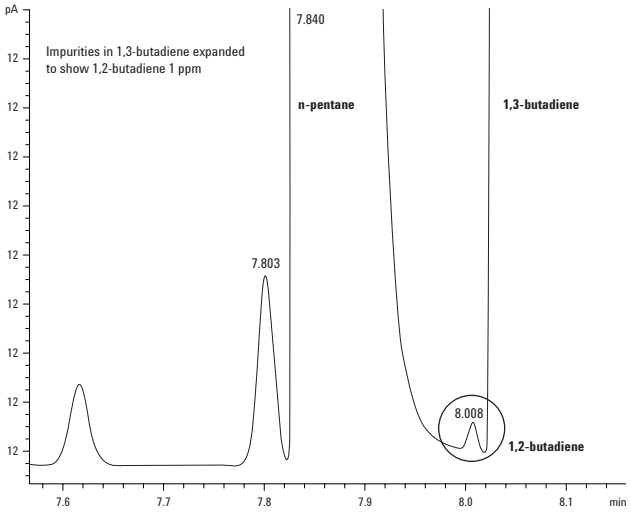
- Dual Flame Ionization Detectors (FID) to detect the following components to a lower detection limit of 2 ppm, except for those peaks eluting off the tail of the matrix.

Acetylene	Isobutane
Propadiene	N-butane
t-2-Butene	1-butene
Isobutylene	1,2-butadiene
Methyl acetylene	Ethyl acetylene
Acrylonitrile	4-vinyl cyclohexene
Styrene	Ethyl benzene
1,3-pentadiene	Isoprene
1,4-pentadiene	C-1,3-pentadiene

- Analysis time: approximately 25 minutes

Optional Configurations

- Impurities in isoprene
- Impurities in high purity styrene monomer
- Analysis of vinyl chloride monomer
- Analysis of trace C4 olefins (10 ppb) in polymer grade propylene
- Analysis of 30 different trace oxygenates in polymer grade propylene by MSD
- ASTM D5769/ASTM D5599/ASTM D3606



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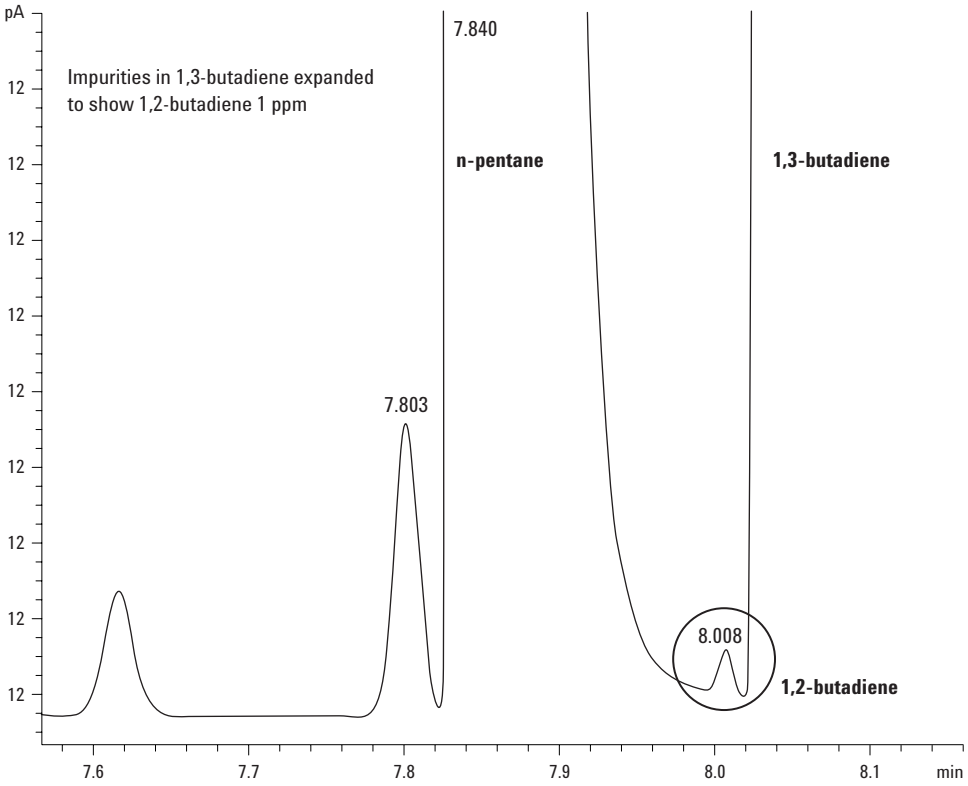

FID output from the Agilent monomer analyzer.

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