

Impurities in 1,3-Butadiene

Configuration of an Agilent Technologies 6890N Series Gas Chromatograph with dual flame ionization detectors (FID/FID) for the impurities in high purity 1,3-Butadiene.

Identified Components

- 1,2-Butadiene
- 1,4-Pentadiene
- 1-Butene
- 4-vinyl Cyclohexene
- Acetylene
- c-1,3-Pentadiene
- c-2-Butene
- Ethyl acetylene
- Ethyl benzene
- Isobutane
- Isobutylene
- Isoprene
- Methyl acetylene
- n-Butane
- Propadiene
- Styrene
- t-1,3-Pentadiene
- t-2-Butene

Lower quantifiable limit will be 4 ppm, except for those peaks eluting off the tail of the matrix.