

Chemical Information:

Name: Butanoic acid, 3-methyl-
CAS No.: 503-74-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201604 Lot No.: 45198LJ
NTP_CID No.: 3614 MW: 102.13 g/mol

Date of Analysis: 04 September 2009

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|--------------------------|----------------------|------------------------------------|
| Butanoic acid, 3-methyl- | 5.96 | 100.00 |

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Ethanol |
| Column | J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness |
| Carrier Gas | Helium at 1.0 mL/min |
| Oven Program | 35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min |
| Source Temperature | 250°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 25 – 500 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / Split (100:1) |
| Data Analysis Software | Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008 |

