

Chemical Information:

Name: 2-Propenoic acid, 1,1-dimethylethyl ester Date of Analysis: 04 September 2015
CAS No.: 1663-39-4 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201117 Lot No.: 1362127
NTP_CID No.: 3857 MW: 128.17 g/mol

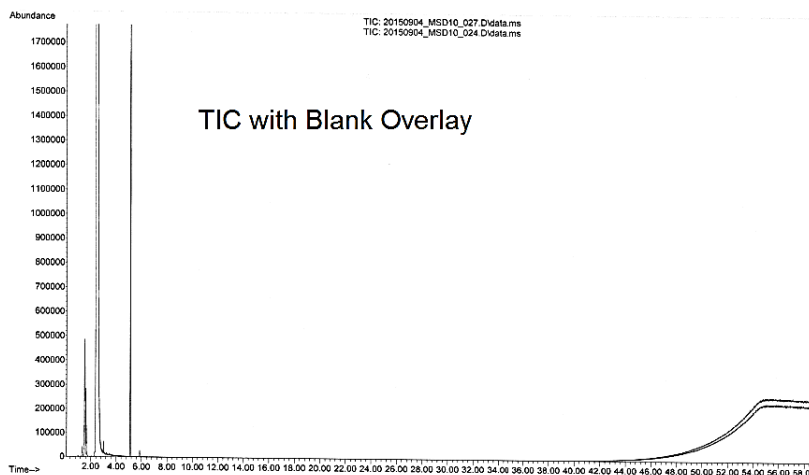
Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|---|----------------------|------------------------------------|
| 2-Propenoic acid, 1,1-dimethylethyl ester | 5.12 | 100.00 |

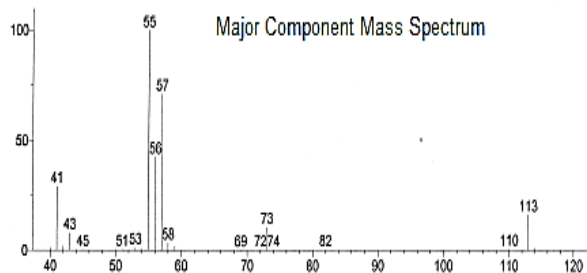
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Chloroform |
| Column | Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ m film thickness |
| Carrier Gas | Helium at 2.0 mL/min |
| Oven Program | 50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min |
| Source Temperature | 230°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 40 – 575 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / Split (10:1) |
| Data Analysis Software | MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014 |



Unknown: Scan 825 (5.117 min): 20150904_MSD10_027.D\data.ms (-801)
Compound in Library Factor = 484



Hit 1: tert-Butyl acrylate
C7H12O2; MF: 939; RMF: 939; Prob 94.7%; CAS: 1663-39-4; Lib: replib; ID: 4926.

