

### Chemical Information:

Name: Propanoic acid, 2-methyl-, anhydride  
CAS No.: 97-72-3 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201002 Lot No.: 06618MC  
NTP\_CID No.: 2590 MW: 158.19 g/mol

Date of Analysis: 13 August 2015

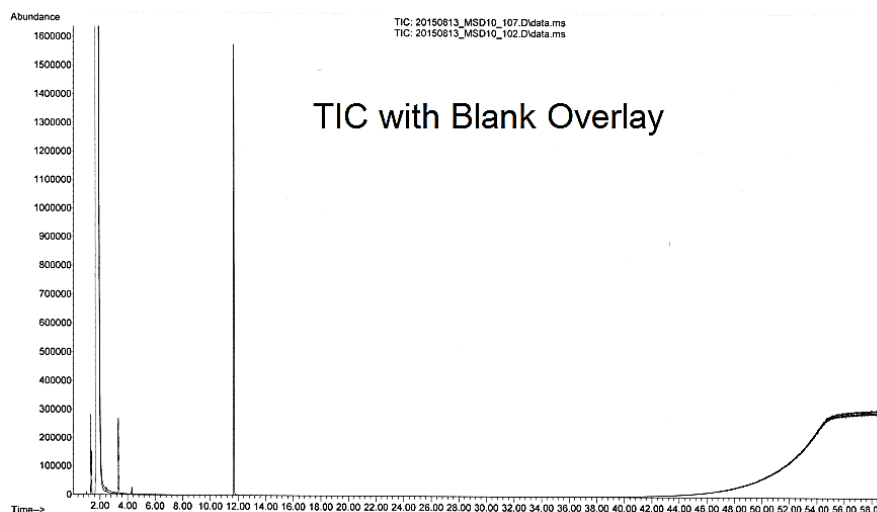
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Propanoic acid, 2-methyl-, anhydride	11.71	98.08

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ 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 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005



Unknown: Scan 1993 (11.704 min): 20150813\_MSD10\_107.D\data.ms (-1979)  
Compound in Library Factor = 118

Hit 1: Propanoic acid, 2-methyl-, anhydride  
C8H14O3; MF: 908; RMF: 908; Prob 40.7%; CAS: 97-72-3; Lib: mainlib; ID: 38320.

