

**Chemical Information:**

Name: Propanoic acid, 2-hydroxy-, propyl ester  
CAS No.: 616-09-1 Supplier: TCI America  
Tox21\_ID No.: Tox 21\_202856 Lot No.: GC01  
NTP\_CID No.: 6253 MW: 132.16 g/mol

Date of Analysis: 21 March 2017

**Purity and Identity Results:**

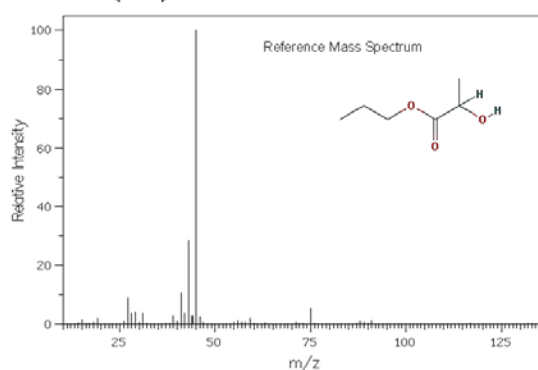
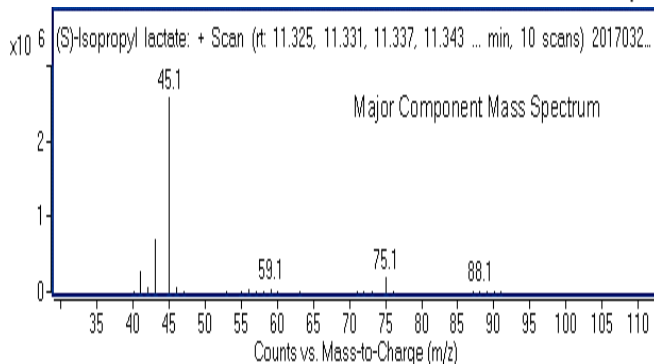
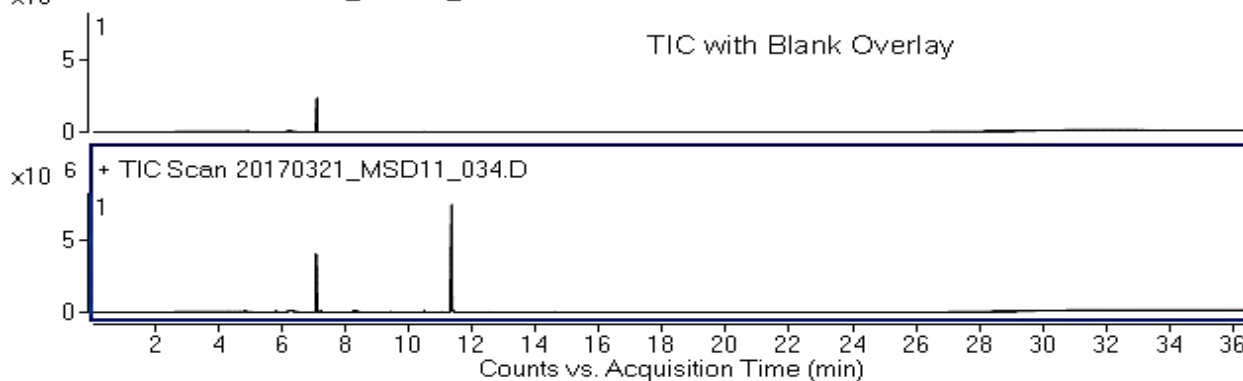
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Unknown	8.29	2.01
Unknown	11.05	0.78
Propanoic acid, 2-hydroxy-, propyl ester	11.36	96.62

<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	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ 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	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10<sup>6</sup> + TIC Scan 20170321\_MSD11\_010.D



SDBS-Mass: MS-IW-9142, SDBS No.: 19977; SDBSWeb:  
<http://sdb.sdb.aist.go.jp> (National Institute of Advanced  
Industrial Science and Technology, 11 September 2017)