

Chemical Information:

Name: Propanoic acid, 2-hydroxy-, methyl ester
 CAS No.: 547-64-8
 Tox21_ID No.: Tox21_200447
 NTP_CID No.: 2825

Date of Analysis: 15 December 2009

Supplier: Sigma-Aldrich
 Lot No.: 1308534
 MW: 104.10 g/mol

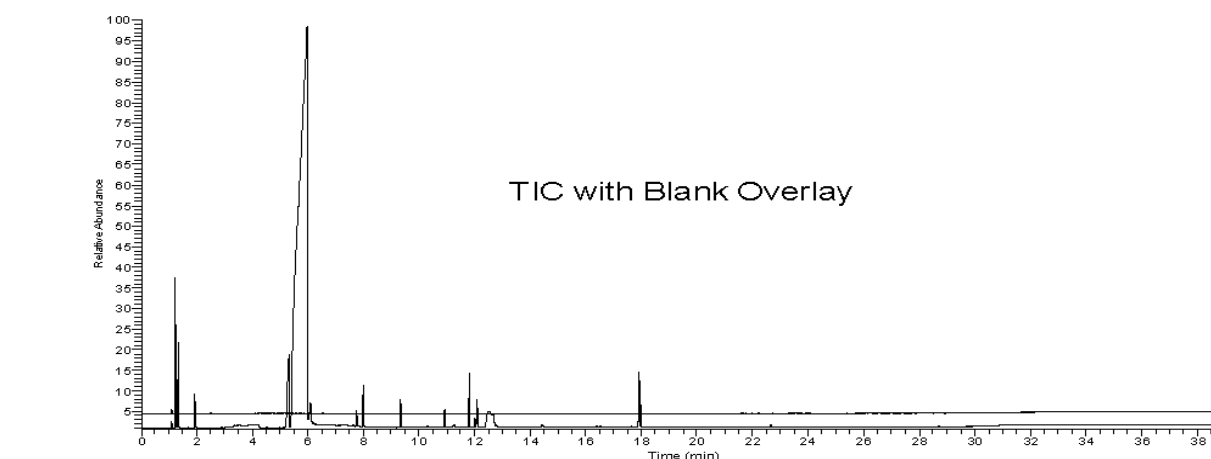
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	1.24	1.55	unknown	7.99	0.72
unknown	1.34	0.97	unknown	11.82	0.95
unknown	5.34	3.63	unknown	12.08	0.50
547-64-8	5.97	84.53	unknown	12.52	2.62
unknown	6.09	0.98	unknown	17.93	1.27

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable; analysis of neat chemical
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	10°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 (480:1)
Data Analysis Software	Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008



06L117084604 RT: 5.76 AU: 1 SB: 14 5.15/5.18 6.20/6.27 NL: 1.12E6
 T: (0.0) x 5 EI det=200.00 Full ms (25.00-500.00)

