

Chemical Information:

Name: 1,3-Dioxolan-2-one, 4-methyl-
CAS No.: 108-32-7 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202047 Lot No.: 00293CJ
NTP_CID No.: 2644 MW: 102.09 g/mol

Date of Analysis: 16 April 2010

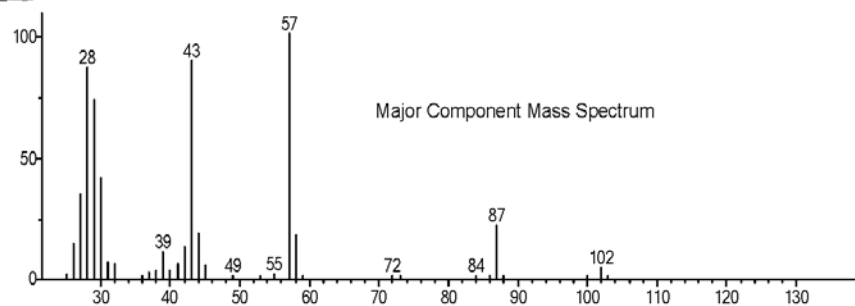
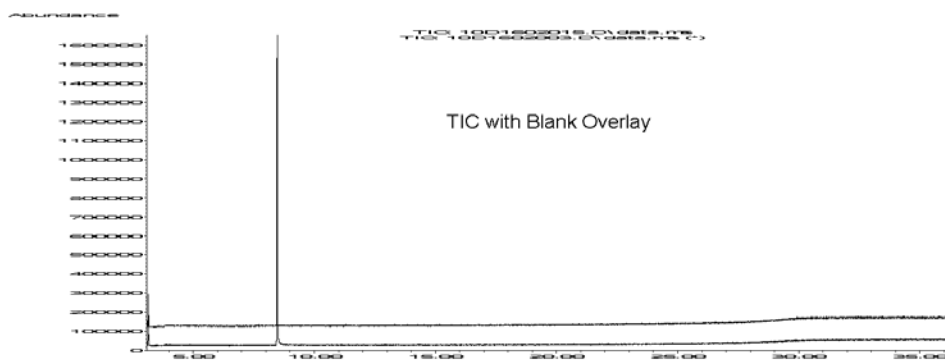
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
1,3-Dioxolan-2-one, 4-methyl-	8.47	100.00

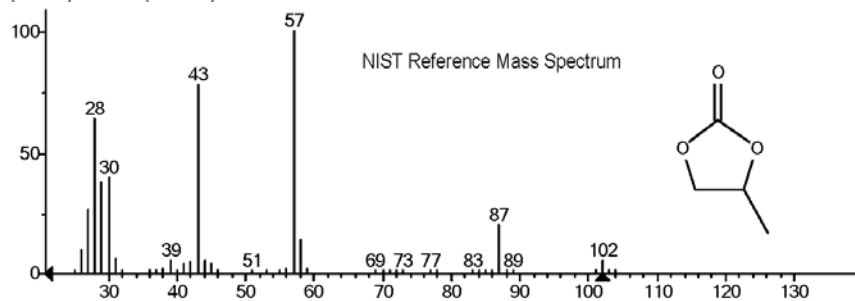
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 1 mg/mL)
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	230°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	MSD ChemStation v E.02.00.SP2, and NIST Library v 2.0, build 7/23/2008



(Text File) Scan 982 (8.444 min): 10D1602015.D\data.ms



(mainlib) Propylene Carbonate

