

Chemical Information:

Name: t-Butyl glycidyl ether
CAS No.: 7665-72-7
Tox21_ID No.: Tox21_200253
NTP_CID No.: 1313

Supplier: Sigma-Aldrich
Lot No.: 08806DE
MW: 130.18 g/mol

Date of Analysis: 20 January 2009

Purity and Identity Results:

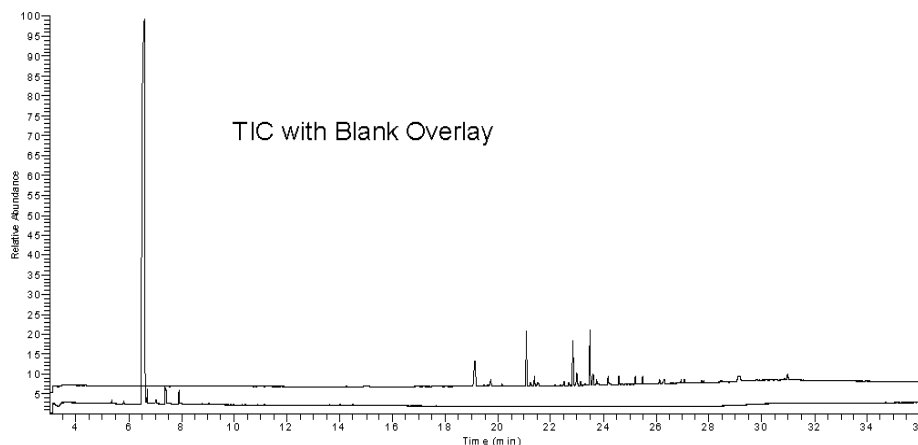
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
t-Butyl glycidyl ether	6.60	96.62
unknown	6.71	0.62
unknown	7.39	0.90
unknown	7.92	0.79

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
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	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

RT: 3.01 - 36.50 SM: 3G



19A20713.M17 RT: 6.60 AU: 1 SE: 2.54E 6.62 HL: 2.41E9
T: 11.01 + 61.000 350.00 Full.ms [25.00-350.00]

