

Chemical Information:

Name: 1-Pentanol
CAS No.: 71-41-0
Tox21_ID No.: Tox21_201107
NTP_CID No.: 94

Supplier: Sigma-Aldrich
Lot No.: 1113853
MW: 88.15 g/mol

Date of Analysis: 16 August 2007

Purity and Identity Results:

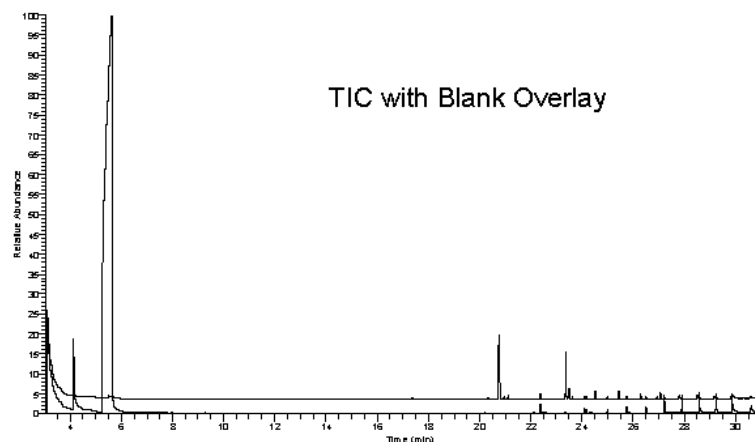
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
1-Pentanol	4.13	98.28
DMSO	5.64	Not applicable
Unknown	22.13	1.72

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

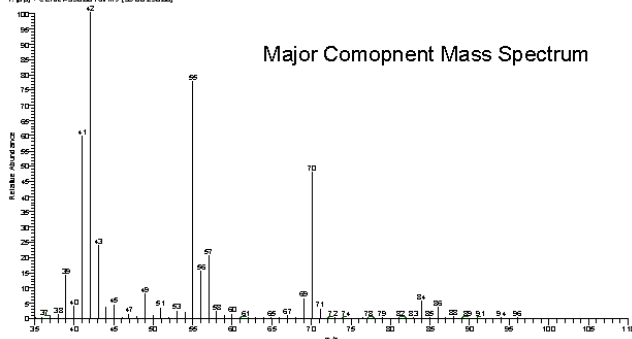
Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	35 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.49 SM: 30

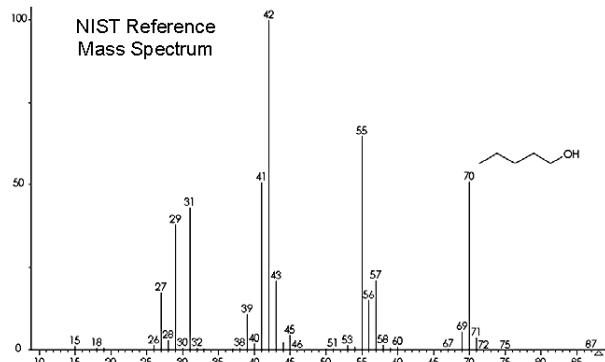


TIC with Blank Overlay

07/16/06 08:41 RT: 4.12 AB: 1 IL: 232.88
T: 010 - c:\files\38030 full m.r (38.00240.00)



Major Component Mass Spectrum



NIST Reference Mass Spectrum