

Chemical Information:

Name: alpha,alpha-Dichlorotoluene
CAS No.: 98-87-3 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201313 Lot No.: 06417TB
NTP_CID No.: 475 MW: 161.03 g/mol

Date of Analysis: 14 August 2007

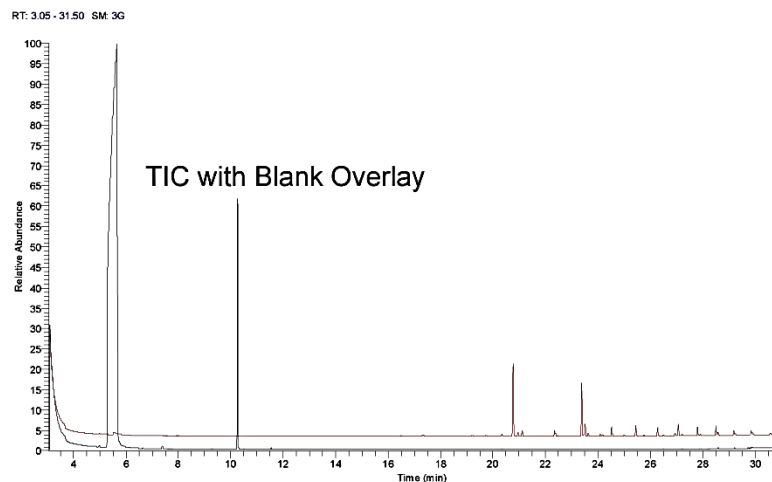
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.67	Not applicable
unknown	7.39	1.93
alpha,alpha-Dichlorotoluene	10.25	97.73

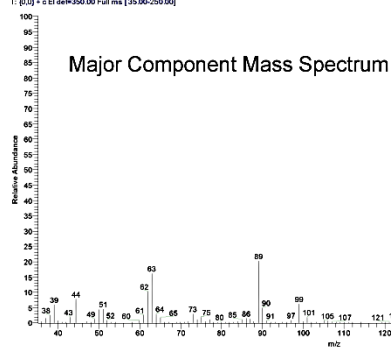
^a Peaks comprising $\geq 0.5\%$ of total area.

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- 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	35 – 250 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999



07141616 #1894 RT: 10.23 AU: 1 SB: 2 10.21, 10.30 NL: 18868
T: 0.03 s e: 0.01 d: 0.01 Full MS [35.00-250.00]



NIST Reference Mass Spectrum

