

Chemical Information:

Name: a,a,a,3,4-Pentachlorotoluene
CAS No.: 13014-24-9 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200169 Lot No.: 16130MO
NTP_CID No.: 301 MW: 264.36 g/mol

Date of Analysis: 19 April 2007

Purity and Identity Results:

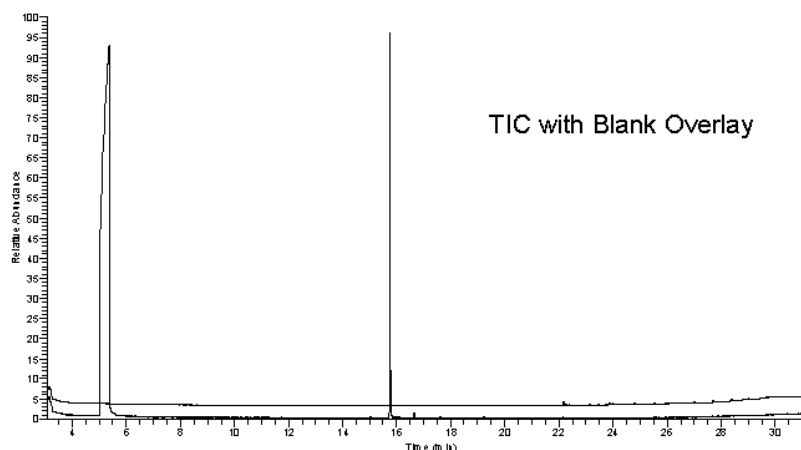
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.38	Not applicable
a,a,a,3,4-Pentachlorotoluene	15.76	98.40
Unknown	16.64	1.30

^a Peaks comprising ≥ 0.5% of total area.

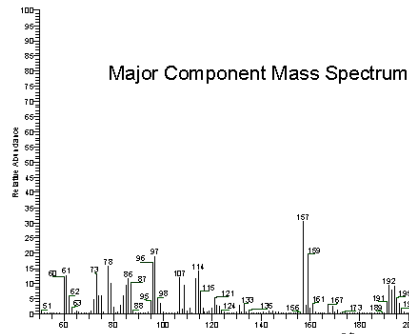
GC/MS Instrument Parameters:

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	50 – 350 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



07d19022 #1531 RT: 15.76 AM: 1 NL: 2.6866
T: (J.D) + c: (J.D) + 350.00 FWHM (S.D.D) + 350.00



NIST Reference Mass Spectrum

