

# Chemical Information:

Name: 1,2,4-Trichlorobenzene  
CAS No.: 120-82-1  
Tox21\_ID No.: Tox21\_201311  
NTP\_CID No.: 23

Supplier: Sigma-Aldrich  
Lot No.: 4117X  
MW: 181.45 g/mol

Date of Analysis: 29 March 2007

# Purity and Identity Results:

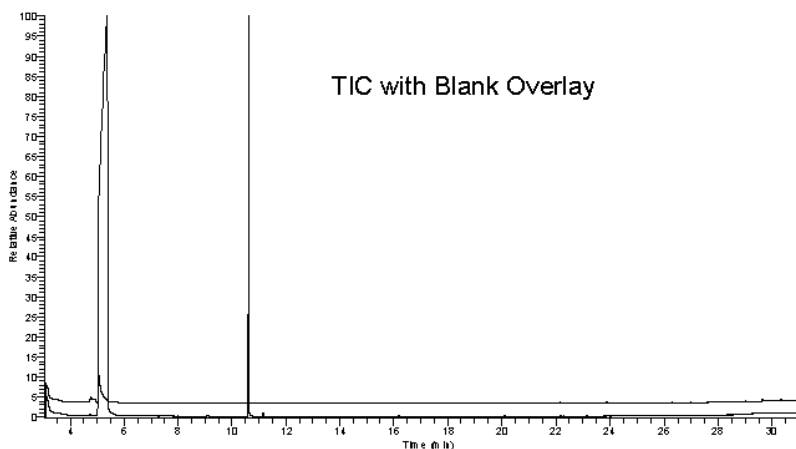
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.37	Not applicable
1,2,4-Trichlorobenzene	10.63	99.42
unknown	11.17	0.58

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

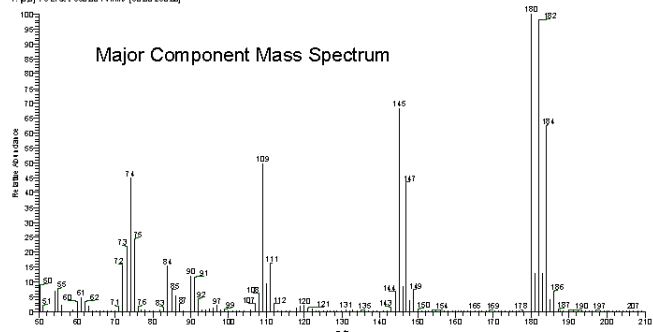
# GC/MS Instrument Parameters:

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 – 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 S.M. 30



07-02-2007 10:15 RT: 10.63 A/C: 1 NL: 3.10E6  
T: (0.0) + 0.010 + 0.000 (0.000) (0.000)



NIST Reference Mass Spectrum

