

Chemical Information:

Name: o-Toluidine
CAS No.: 95-53-4
Tox21_ID No.: Tox21_201256
NTP_CID No.: 1130

Supplier: Sigma-Aldrich
Lot No.: 04204PC
MW: 107.15 g/mol

Date of Analysis: 11 July 2007

Purity and Identity Results:

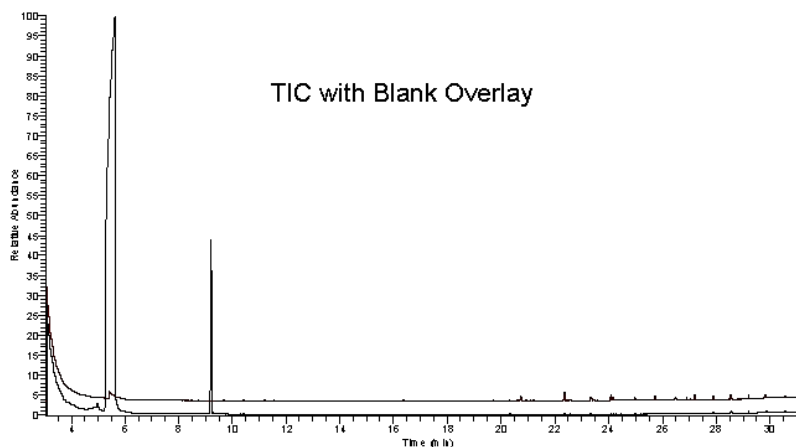
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.63	Not applicable
unknown	8.79	0.79
o-Toluidine	9.20	97.83
unknown	9.28	0.99

^a Peaks comprising ≥ 0.5% of total area.

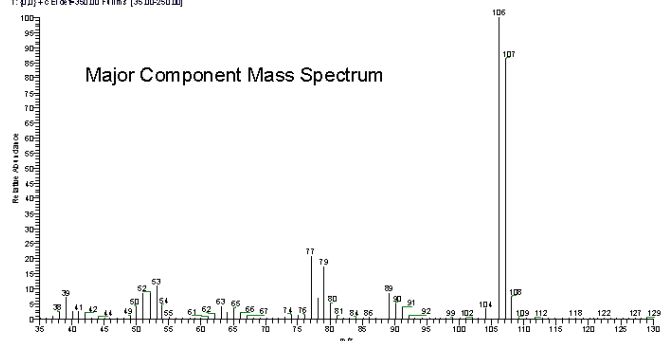
GC/MS Instrument Parameters:

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 - 31.50 SM: 30



DTG 10P10_070711204545#1619 RT: 9.19 AV: 1 NL: 3.21 E6
T: (P2) + c01 d01-350.00 Poles (35.00-250.00)



NIST Reference Mass Spectrum

