

**Chemical Information:**

Name: N-Methyl aniline

Date of Analysis: 11 July 2007

CAS No.: 100-61-8

Supplier: Sigma-Aldrich

Tox21\_ID No.: Tox21\_200298

Lot No.: 20303JO

NTP\_CID No.: 1065

MW: 107.15 g/mol

**Purity and Identity Results:**

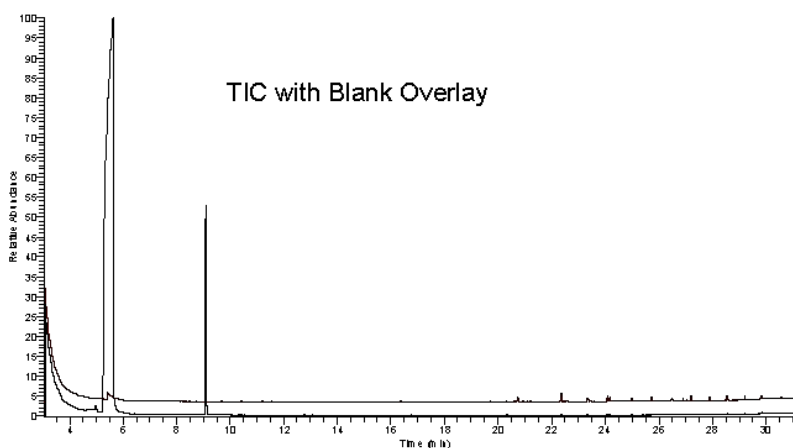
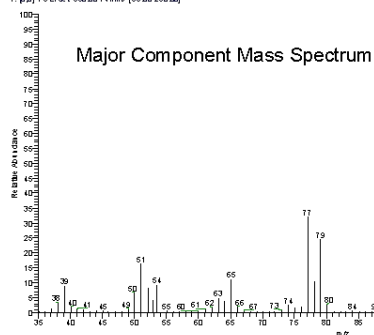
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.63	Not applicable
N-Methyl aniline	9.09	98.69
unknown	9.28	0.69

<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	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: 3G


01/01/02\_01/01/11220011#1000 RT: 9.07 AM: 1 NL: 3.2266  
T: 0.02 + 0.01 + 0.000000 File # 39.00-200.00


NIST Reference Mass Spectrum

