

# Chemical Information:

Name: 2,4-Xylidine  
CAS No.: 95-68-1  
Tox21\_ID No.: Tox21\_200380  
NTP\_CID No.: 180

Supplier: Sigma-Aldrich  
Lot No.: 21223LD  
MW: 121.18 g/mol

Date of Analysis: 26 September 2007

# Purity and Identity Results:

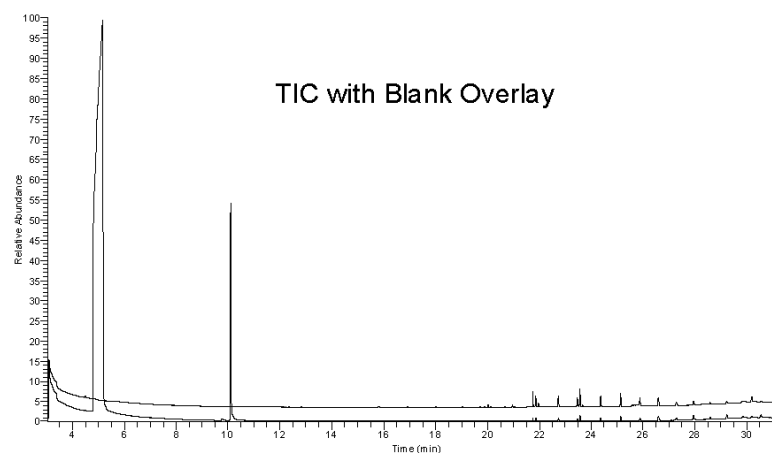
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.317	Not applicable
Unknown	9.77	0.99
2,4-Xylidine	10.10	98.85

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

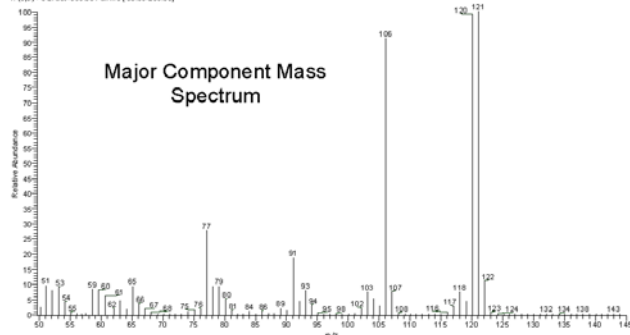
# GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / 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 SM: 30



072611 #02 RT: 10.10 AU: 1 NL: 3.00E6  
T: (9.0) + c (1.0e+350.00) (m/z) [50.00-250.00]



NIST Reference Mass Spectrum

