

# Chemical Information:

Name: 3,5-Xylidine  
CAS No.: 108-69-0  
Tox21\_ID No.: Tox21\_200232  
NTP\_CID No.: 317

Supplier: Sigma-Aldrich  
Lot No.: 09615CD  
MW: 121.18 g/mol

Date of Analysis: 22 March 2007

## Purity and Identity Results:

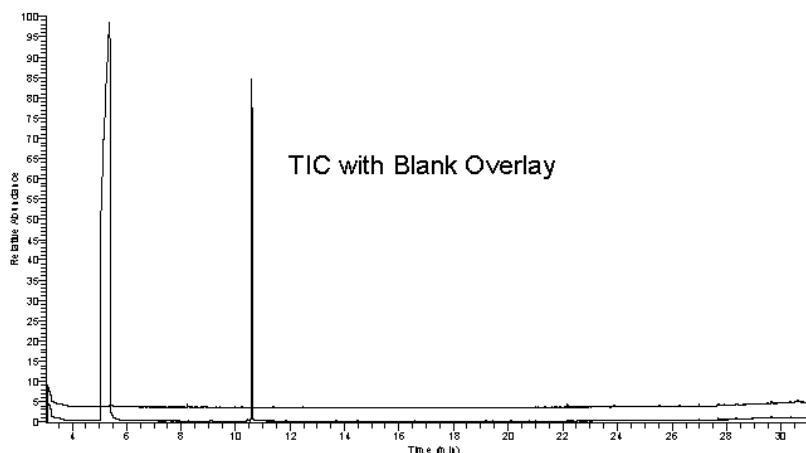
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.38	Not applicable
Unknown	10.45	0.55
3,5-Xylidine	10.60	99.05

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

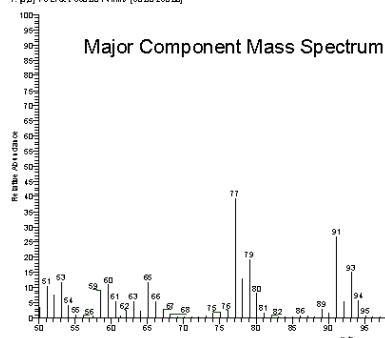
## GC/MS Instrument Parameters:

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 SM: 3G



07/22/07 10:12 RT: 10.60 AC: 1 NL: 3.26E6  
T: 0.01 + c 0.00 30.00 Files: (50.00-50.00)



NIST Reference Mass Spectrum

