

Chemical Information:

Name: 2,3-Xylidine
CAS No.: 87-59-2
Tox21_ID No.: Tox21_200158
NTP_CID No.: 145

Supplier: Sigma-Aldrich
Lot No.: 06306KC
MW: 121.18 g/mol

Date of Analysis: 22 March 2007

Purity and Identity Results:

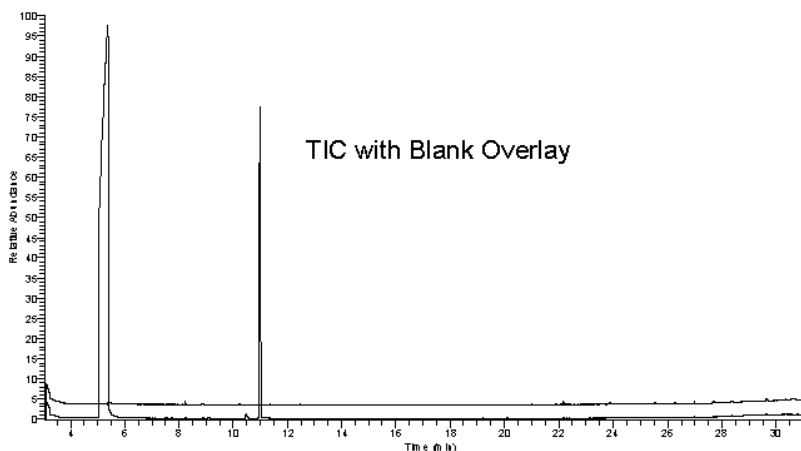
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.38	Not applicable
unknown	10.48	1.82
2,3-Xylidine	10.99	98.05

^a Peaks comprising ≥ 0.5% of total area.

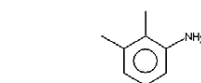
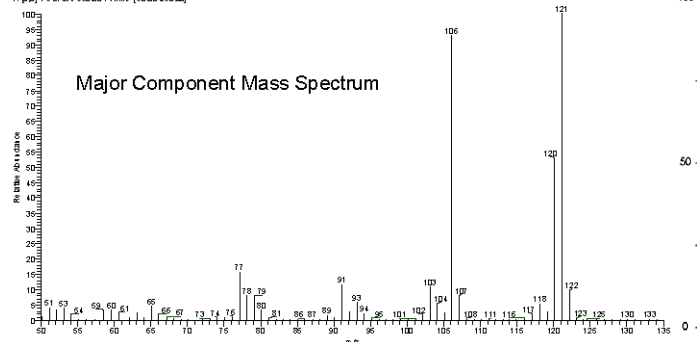
GC/MS Instrument Parameters:

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	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. 3G



07/02/2010 #996 RT: 10.97 AU: 1 SB: 2 10.93, 11.07 NL: 14365
T: (P1) +0.0000-390.00 File: 0702020100



NIST Reference Mass Spectrum

