

Chemical Information:

Name: 1,4-Dimethyl-2-nitrobenzene
CAS No.: 89-58-7 Supplier: Sigma
Tox21_ID No.: Tox21_200372 Lot No.: 0902-1AC
NTP_CID No.: 62 MW: 151.17 g/mol

Date of Analysis: 16 February 2007

Purity and Identity Results:

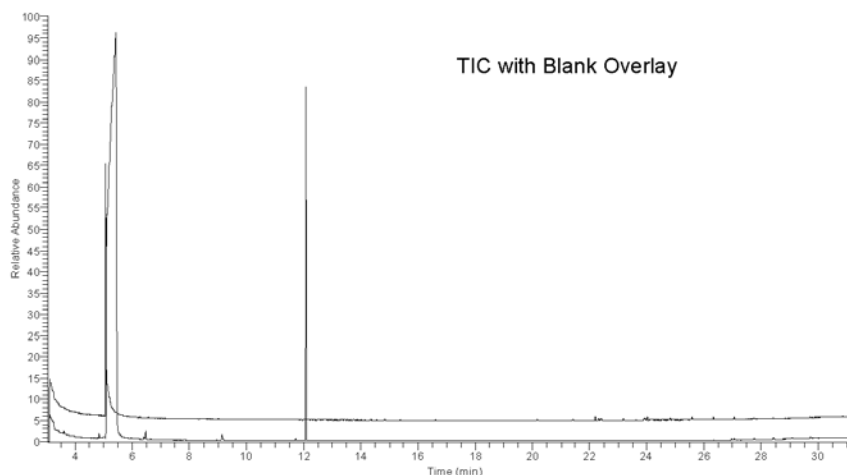
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.44	Not applicable
1,4-Dimethyl-2-nitrobenzene	12.08	99.46

^a Peaks comprising $\geq 0.5\%$ 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- μ m 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	280°C
Injection Volume / Mode	2 μ L / 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



07/12/2010 10:09 RT: 12.08 Av: 1 NL 1.5368
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