

### Chemical Information:

Name: 1,3-Dimethyl-2-nitrobenzene  
CAS No.: 81-20-9 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201388 Lot No.: 11515MS  
NTP\_CID No.: 52 MW: 151.16 g/mol

Date of Analysis: 16 February 2007

### Purity and Identity Results:

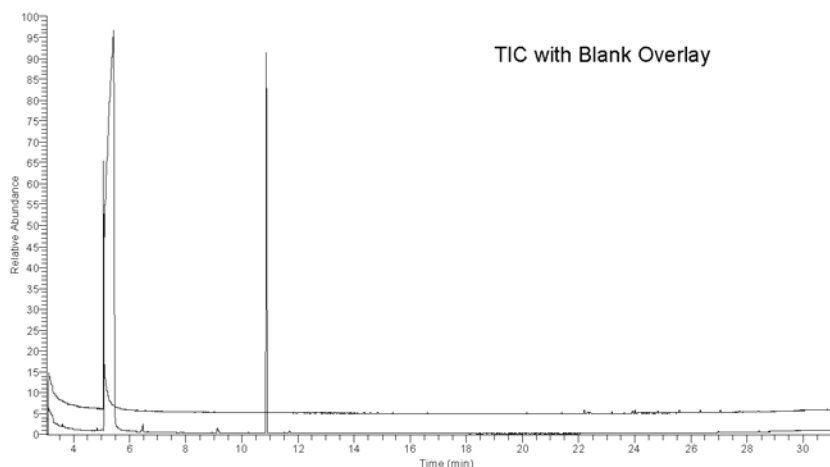
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.44	Not applicable
1,3-Dimethyl-2-nitrobenzene	10.88	99.43

<sup>a</sup> 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- $\mu$ 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 $\mu$ 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 - 31.50 SM: 3G



1701022-0944 RT: 12.87 AV: 1 NL: 235EB  
T: (0.0) + c1 dec=250.00 Full ms [50.00-250.00]

