

Chemical Information:

Name: 2-Methyl-4-nitroaniline
CAS No.: 99-52-5
Tox21_ID No.: Tox21_200387
NTP_CID No.: 264

Supplier: Sigma-Aldrich
Lot No.: 08512BO
MW: 152.15 g/mol

Date of Analysis: 16 August 2007

Purity and Identity Results:

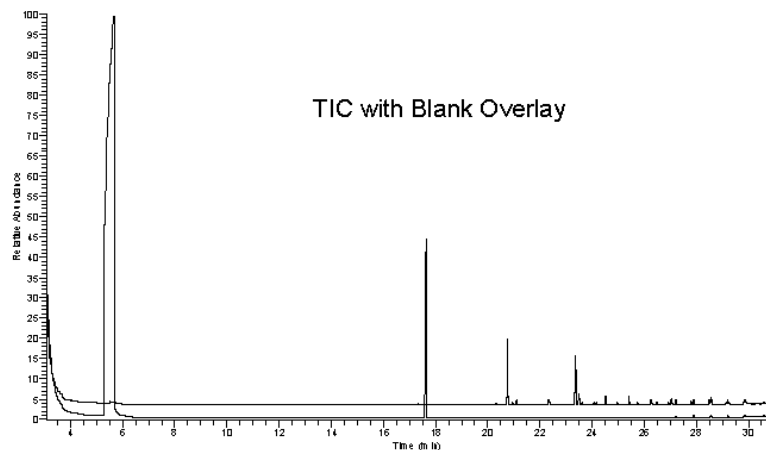
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.66	Not applicable
2-Methyl-4-nitroaniline	17.64	99.84

^a Peaks comprising ≥ 0.5% of total area.

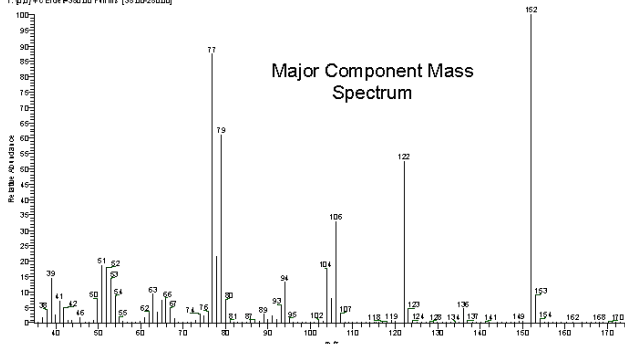
GC/MS Instrument Parameters:

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	35 – 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: 3.05-31.50 SM: 3G



0711614.M022 RT: 17.62 AC: 1 SE: 2 17.66, 17.67 NL: 12626
T: 8.21 +0.0164-330.00 F48.M [35.00-250.00]



NIST Reference
Mass Spectrum

