

### Chemical Information:

Name: 4-Chloro-2-nitroaniline  
 CAS No.: 89-63-4  
 Tox21\_ID No.: Tox21\_200807  
 NTP\_CID No.: 366

Supplier: Sigma-Aldrich  
 Lot No.: 05411KU  
 MW: 172.57 g/mol

Date of Analysis: 14 August 2007

### Purity and Identity Results:

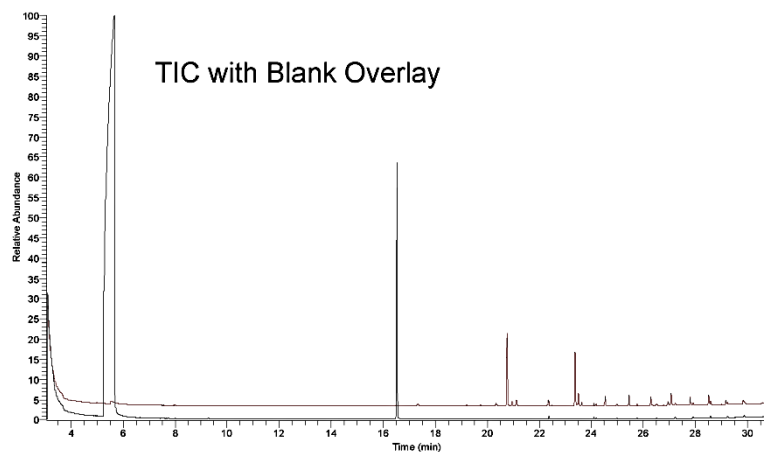
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.66	Not applicable
4-Chloro-2-nitroaniline	16.53	99.45

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

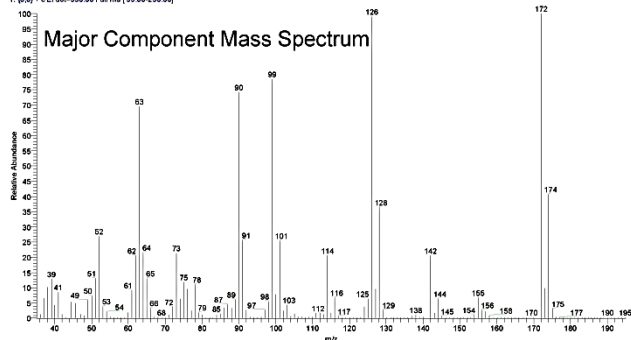
### GC/MS Instrument Parameters:

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	35 – 250 amu
Injector Temperature	250°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 - 31.49 SM 3G



07/14/13 #2543 RT: 16.53 AU: 1 NL: 3.24E6  
 T: 6.00 - e EI det-350.00 Full ms [35.00-250.00]



### NIST Reference Mass Spectrum

