

### Chemical Information:

Name: 2-Amino-4-nitrophenol  
CAS No.: 99-57-0  
Tox21\_ID No.: Tox21\_201351  
NTP\_CID No.: 210

Supplier: Sigma-Aldrich  
Lot No.: 01013HQ  
MW: 154.12 g/mol

Date of Analysis: 21 August 2007

### Purity and Identity Results:

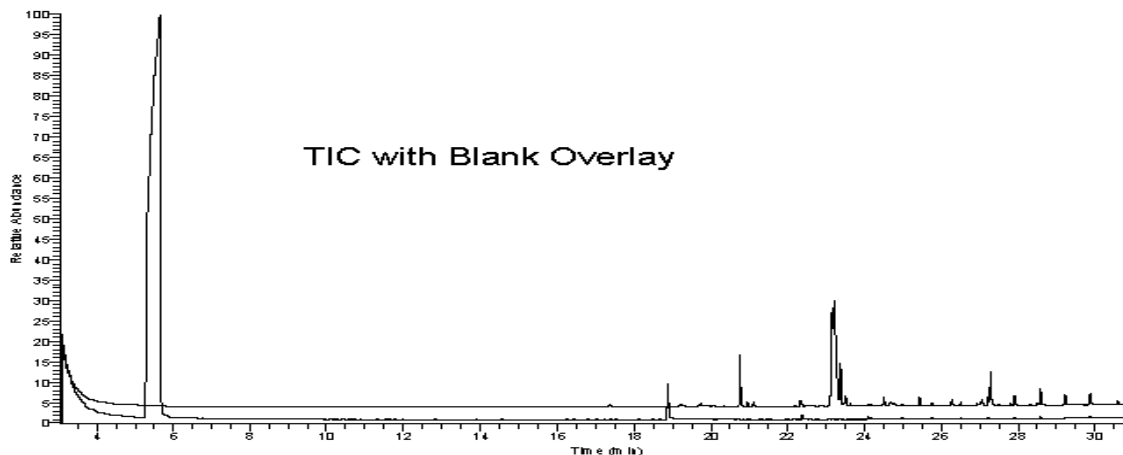
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.65	Not applicable
2-Amino-4-nitrophenol	18.89	97.40
unknown	19.44	1.30
unknown	20.35	1.30

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

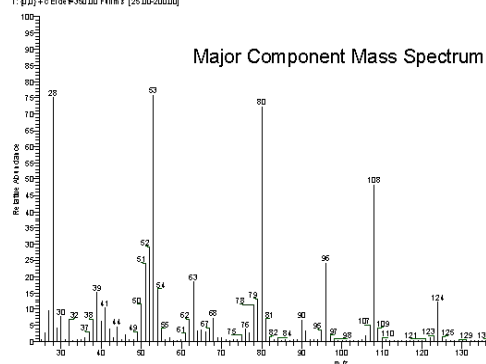
### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / 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	25 – 200 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Splitless
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.50 SM: 30



01/21/2 #1806 RT: 18.89 AC: 1 NL: 1.02E6  
T: 8.00E+000 2.00E+000 2.00E+000



### NIST Reference Mass Spectrum

