

### Chemical Information:

Name: 2-Bromo-4,6-dinitroaniline  
CAS No.: 1817-73-8 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200070 Lot No.: 03306LQ  
NTP\_CID No.: 226 MW: 262.02 g/mol

Date of Analysis: 18 April 2007

### Purity and Identity Results:

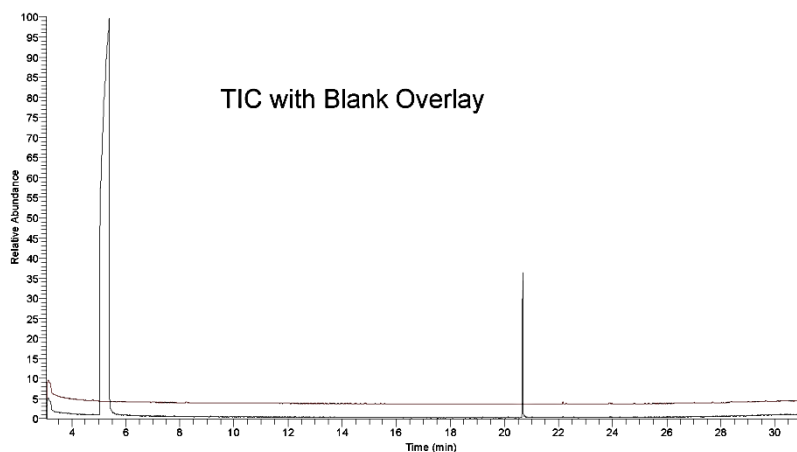
| Peak Identity              | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|----------------------------|----------------------|------------------------------------|
| DMSO                       | 5.39                 | Not applicable                     |
| 2-Bromo-4,6-dinitroaniline | 20.69                | 100.00                             |

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

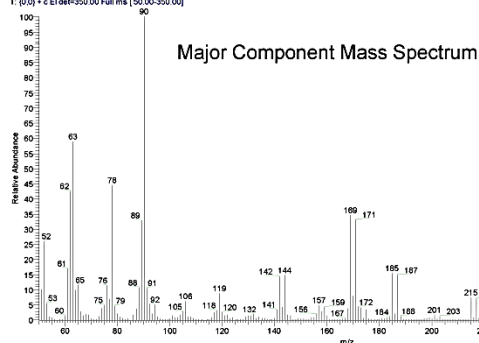
### GC/MS Instrument Parameters:

|                         |  |
|-------------------------|--|
| 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 – 350 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



07d18a13 #2121 RT: 20.68 AV: 1 SB: 2 20.60, 20.75 NL: 4.96E5  
T: (0.0) \* c E1 det=350.00 Full ms [50.00-350.00]



### NIST Reference Mass Spectrum

