

### Chemical Information:

Name: 4-Nitroanthranilic acid  
CAS No.: 619-17-0  
Tox21\_ID No.: Tox21\_201312  
NTP\_CID No.: 386

Supplier: Sigma-Aldrich  
Lot No.: 10601JB  
MW: 182.13 g/mol

Date of Analysis: 10 April 2007

### Purity and Identity Results:

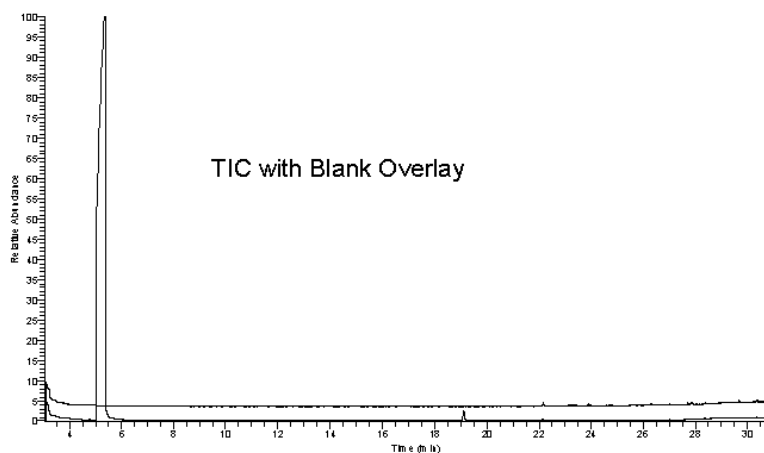
| Peak Identity           | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|-------------------------|----------------------|------------------------------------|
| DMSO                    | 5.37                 | Not applicable                     |
| unknown                 | 13.59                | 2.05                               |
| 4-Nitroanthranilic acid | 19.11                | 97.95                              |

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

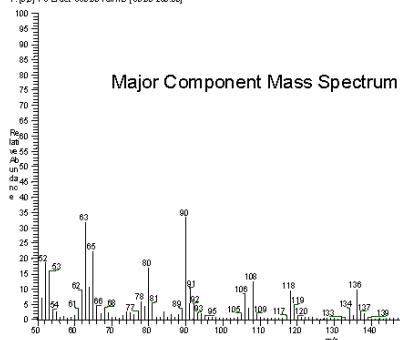
### GC/MS Instrument Parameters:

|                         |  |
|-------------------------|--|
| 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    | 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



0741029#1033 RT: 19.11 AU: 1 NL: 9.07E4  
T: 0.03 + c B det=350.00 Full ms (50.00-250.00)



NIST Reference Mass Spectrum

