A

**Chemical Information:**

Name: 2,4,5-Trimethylaniline

Date of Analysis: 24 October 2007

CAS No.: 137-17-7 Supplier: Sigma-Aldrich

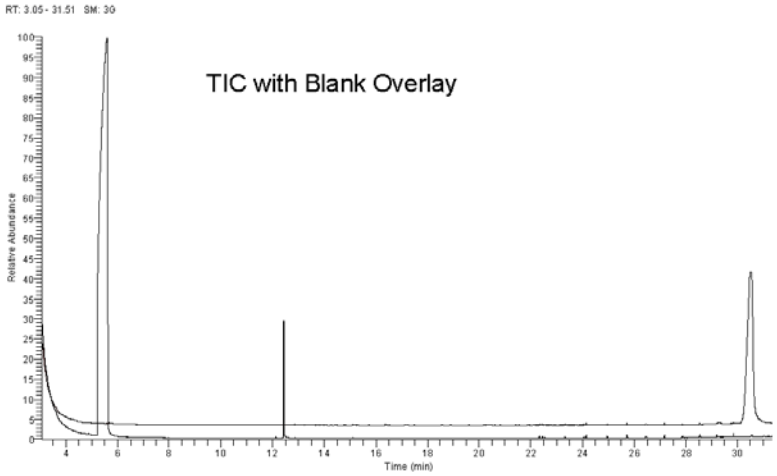
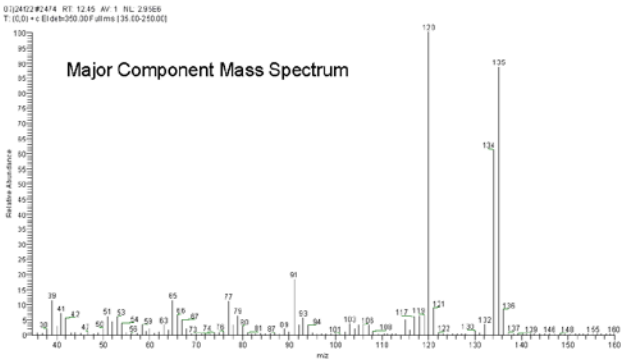
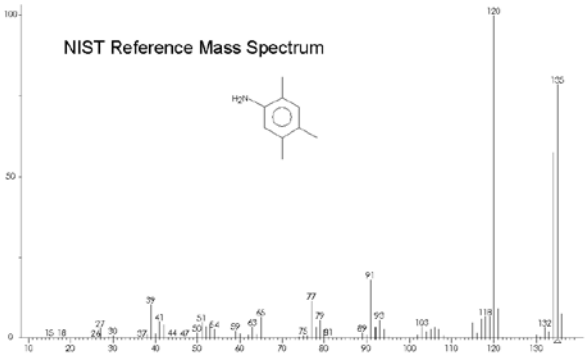
Tox21_ID No.: Tox21_201118 Lot No.: S110305KB-16

NTP_CID No.: 151 MW: 135.21 g/mol

**Purity and Identity Results**:

| Peak Identity | Retention Time (min) | Purity (% Total Area)[a] |
|---|---|---|
| DMSO | 5.60 | Not applicable |
| unknown | 12.13 | 1.58 |
| 2,4,5-Trimethylaniline | 12.45 | 96.99 |
| unknown | 12.60 | 1.13 |

[a] Peaks comprising ≥ 0.5% of total area.

**GC/MS Instrument Parameters:**

| | |
|---|---|
| Instrument / Ionization | Gas Chromatograph / 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-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 |