

Chemical Information:

Name: 2-Chlorobenzaldehyde
CAS No.: 89-98-5
Tox21_ID No.: Tox21_200373
NTP_CID No.: 233

Supplier: Sigma-Aldrich
Lot No.: 06914LI
MW: 140.57 g/mol

Date of Analysis: 5 April 2007

Purity and Identity Results:

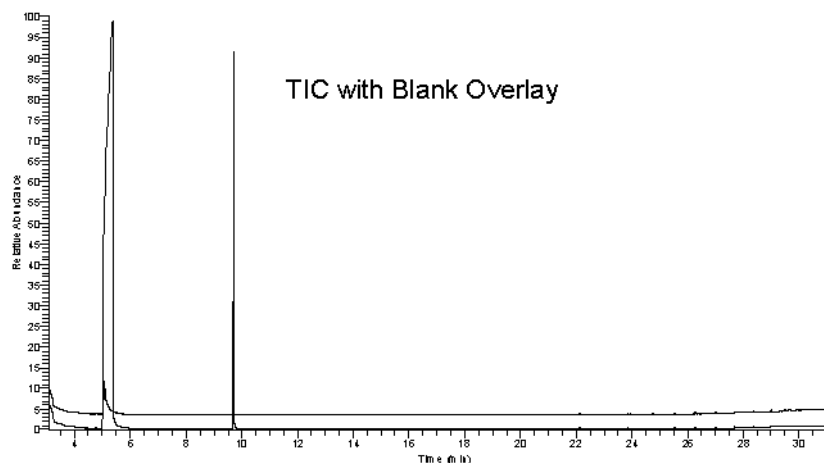
| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|----------------------|----------------------|------------------------------------|
| DMSO | 5.36 | Not applicable |
| 2-Chlorobenzaldehyde | 9.71 | 99.81 |

^a Peaks comprising $\geq 0.5\%$ of total area.

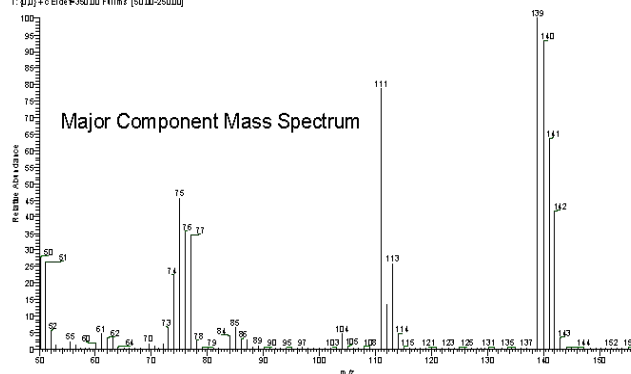
GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| 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- μ 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 μ 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: 3.05-31.50 SM: 3G



074519.0005 RT: 9.71 AC: 1 NL: 35385
T: 0.02 + c Eide-350.00 Filled [50.00-250.00]



NIST Reference Mass Spectrum

