

Chemical Information:

Name: m-Chloronitrobenzene
CAS No.: 121-73-3
Tox21_ID No.: Tox21_201330
NTP_CID No.: 328

Supplier: Sigma-Aldrich
Lot No.: 00513DU
MW: 157.55 g/mol

Date of Analysis: 10 April 2007

Purity and Identity Results:

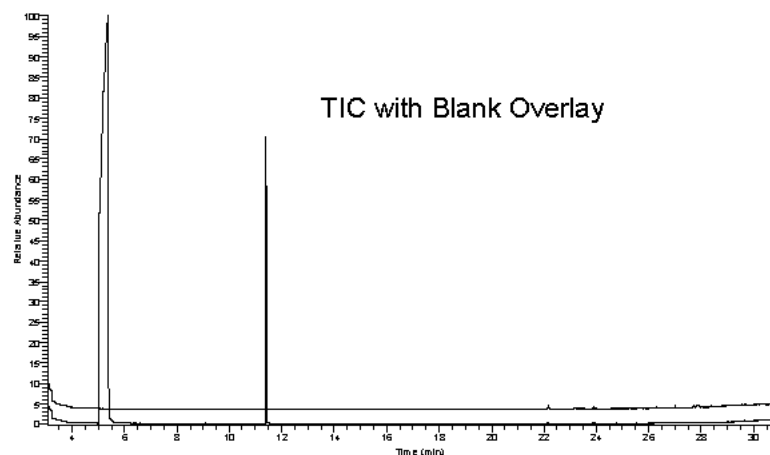
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.36	Not applicable
m-Chloronitrobenzene	11.40	99.27
unknown	16.57	0.57

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

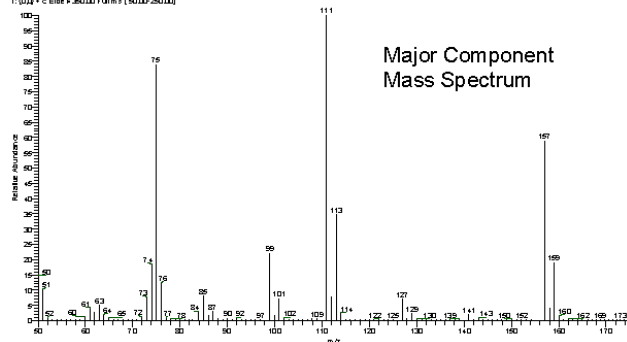
Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 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

RT: 3.05 - 31.49 SM: 30



TIC with Blank Overlay

File 1002691002 RT: 11.40 AC: 1 WL: 25466
T: (0.0) • C: Elite • 250.00 • 1.00 • 100.00 • 250.00



Major Component Mass Spectrum

NIST Reference Mass Spectrum

