

Chemical Information:

Name: 2-Methyl-6-nitrobenzoic acid
CAS No.: 13506-76-8 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200201 Lot No.: 15131KC
NTP_CID No.: 266 MW: 181.15 g/mol

Date of Analysis: 16 August 2007

Purity and Identity Results:

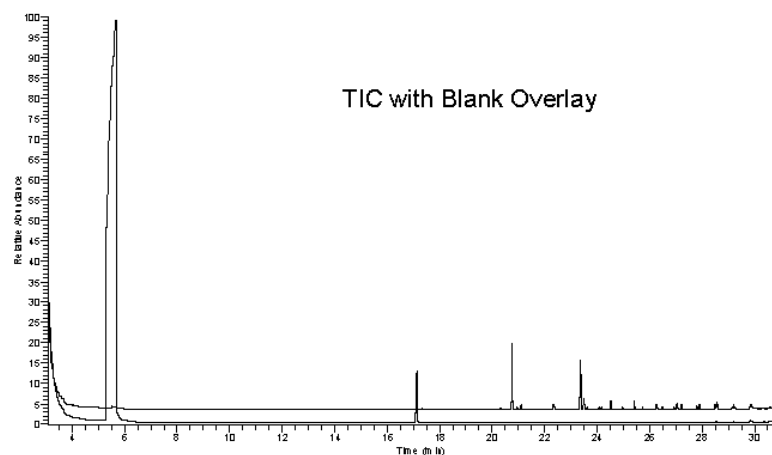
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.65	Not applicable
2-Methyl-6-nitrobenzoic acid	17.13	98.43
Unknown	19.43	0.74

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

GC/MS Instrument Parameters:

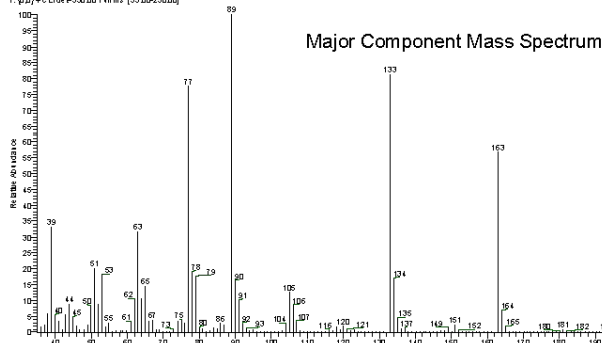
Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold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

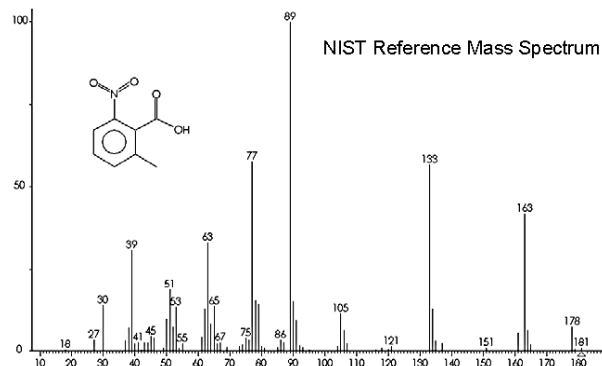


TIC with Blank Overlay

0711604 07000 RT: 17.14 AC: 1 NL: 98165
T: 0.02 + v 0.06 + 300.00 File # 35 00-25000



Major Component Mass Spectrum



NIST Reference Mass Spectrum

