

# Chemical Information:

Name: m-Chlorobenzoic acid  
CAS No.: 535-80-8  
Tox21\_ID No.: Tox21\_200325  
NTP\_CID No.: 926

Supplier: Sigma-Aldrich  
Lot No.: 24809JB  
MW: 156.57 g/mol

Date of Analysis: 28 March 2007

# Purity and Identity Results:

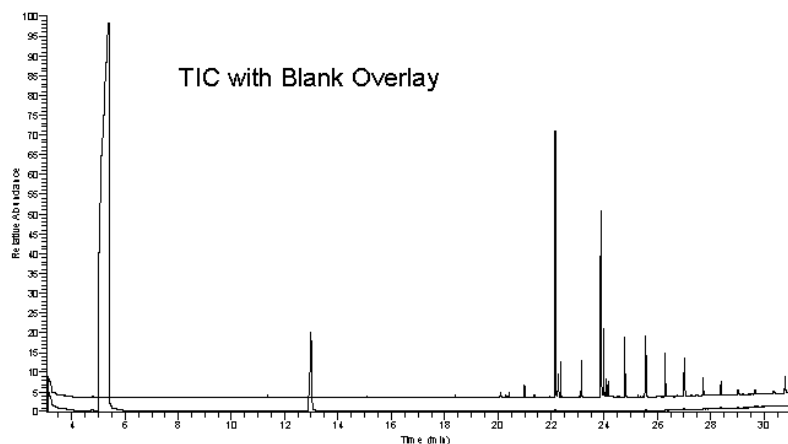
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.39	Not applicable
unknown	9.10	0.50
m-Chlorobenzoic acid	12.99	98.71

<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

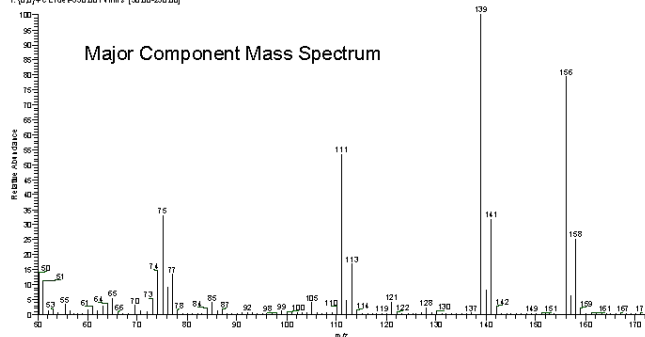
# GC/MS Instrument Parameters:

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: 3G



07-02926 #1200 RT: 13.00 AIC: 1 NL: 1.D4.E6  
T: (D) + c Eide 9350.00 File(s) (30.00-250.00)



NIST Reference  
Mass Spectrum

