

# Chemical Information:

Name: 3,4-Dichloronitrobenzene  
CAS No.: 99-54-7  
Tox21\_ID No.: Tox21\_201613  
NTP\_CID No.: 306

Date of Analysis: 10 April 2007

Supplier: Sigma-Aldrich  
Lot No.: 09414ES  
MW: 192.00 g/mol

# Purity and Identity Results:

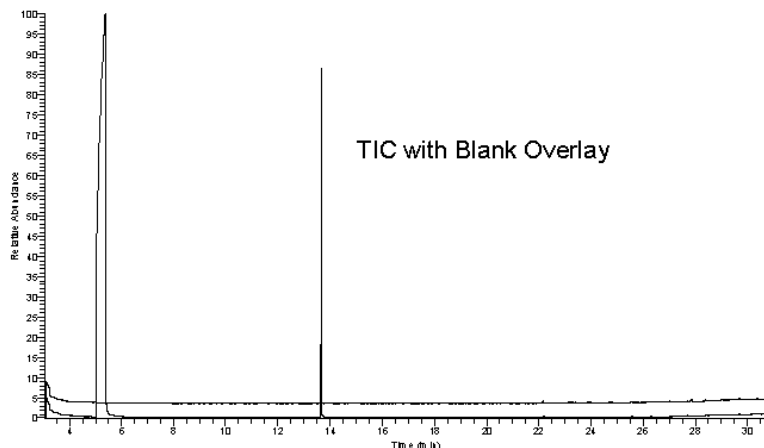
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.38	Not applicable
3,4-Dichloronitrobenzene	13.66	99.68

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

# GC/MS Instrument Parameters:

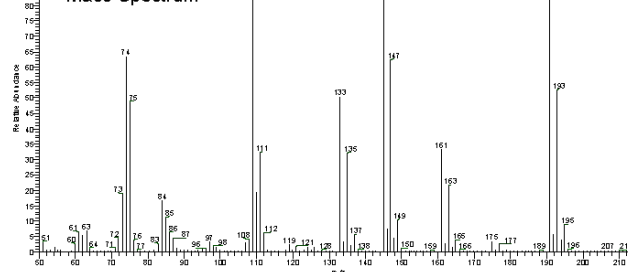
Instrument / Ionization	ThermoFinnigan TraceGC with ThermoFinnigan TraceMS / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 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 - 31.50 SM: 36



0101021 #1279 RT: 13.66 Ac: 1 S: 2 13.61, 13.70 NL: 1.99E5  
T: (P2) + 0.0106936000 File: z [50.00-260.00]

## Major Component Mass Spectrum



## NIST Reference Mass Spectrum

