

Chemical Information:

Name: Phenoxy acetic acid
CAS No.: 122-59-8
Tox21_ID No.: Tox21_201854
NTP_CID No.: 1184

Supplier: Sigma-Aldrich
Lot No.: 09918BD
MW: 152.15 g/mol

Date of Analysis: 02 February 2009

Purity and Identity Results:

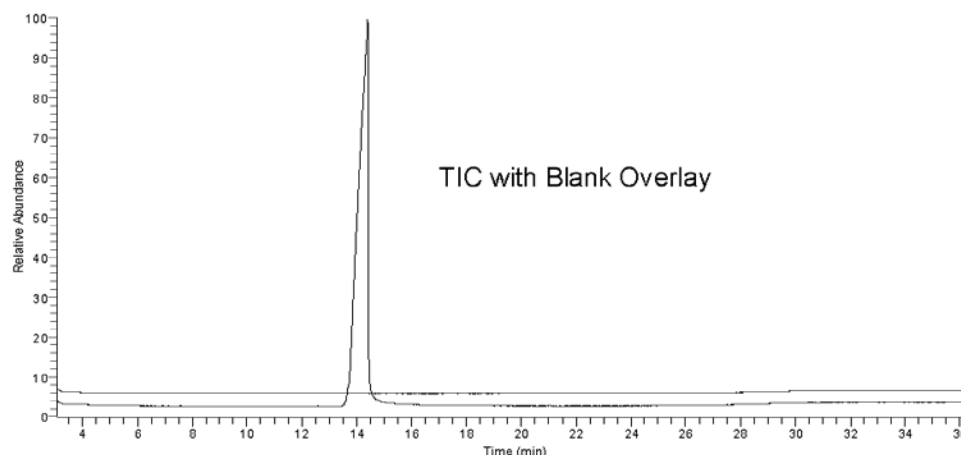
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Phenoxy acetic acid	14.42	100.00

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

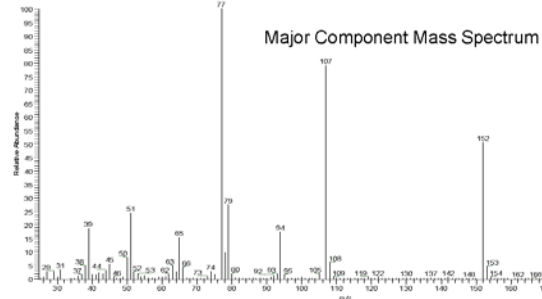
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	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 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

RT: 3.05 - 36.48 SM: 3G



000001041200 RT: 13.72 AU: 1 SM: 2 10.00 13.43 NL: 6.4815
T: 1001 v: 1.0 dnt3500001 File: ms (25.00-36.00)



NIST Reference Mass Spectrum

