

Chemical Information:

Name: alpha-(2,4-Dichlorophenoxy)propionic acid
CAS No.: 120-36-5 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_201847 Lot No.: 7299X
NTP_CID No.: 4207 MW: 235.06 g/mol

Date of Analysis: 03 November 2016

Purity and Identity Results:

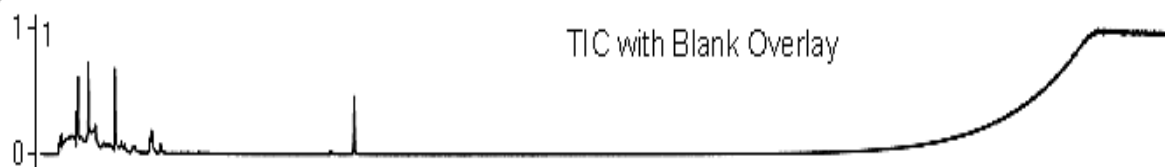
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Propanoic acid, 2-(2',4'-dichlorophenoxy)-, methyl ester	31.04	9.78
alpha-(2,4-Dichlorophenoxy)propionic acid	33.71	90.22

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-μm film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 470 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10² + TIC Scan 20161103_MSD11_003.D



x10² + TIC Scan 20161103_MSD11_016.D

