

### Chemical Information:

Name: 2,4-Dichlorophenoxyacetic acid, isopropyl ester  
CAS No.: 94-11-1 Supplier: Chem Service, Inc.  
Tox21\_ID No.: Tox21\_201563 Lot No.: 415-147A  
NTP\_CID No.: 4210 MW: 263.11 g/mol

Date of Analysis: 04 October 2016

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Acetone	2.00	Not applicable
Unknown	2.70	1.15
Unknown	29.97	2.52
2,4-Dichlorophenoxyacetic acid, isopropyl ester	33.61	95.58

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone (~ 100 µg/mL)
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 – 475 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

