

### Chemical Information:

Name: Deltamethrin  
CAS No.: 52918-63-5  
Tox21\_ID No.: Tox21\_201432  
NTP\_CID No.: 4173

Supplier: Chem Service, Inc.  
Lot No.: 418-66B  
MW: 505.21 g/mol

Date of Analysis: 10 July 2017

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Acetone	3.00	Not applicable
Deltamethrin	36.97	13.95
Deltamethrin	37.62	82.14
Unknown	37.91	3.92

<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
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	40°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 30 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 450 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / 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

