

# Chemical Information:

Name: Diazinon  
CAS No.: 333-41-5  
Tox21\_ID No.: Tox21\_201409  
NTP\_CID No.: 697  
Supplier: Sigma-Aldrich  
Lot No.: 4110X  
MW: 304.35 g/mol

Date of Analysis: 10 March 2009

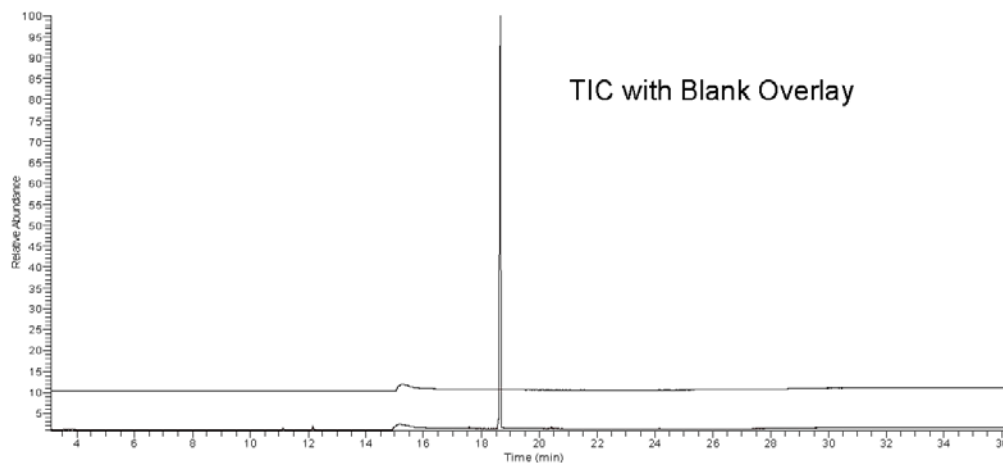
## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Diazinon	18.66	98.67

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

## GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol (~ 2 mg/mL)
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 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / 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



01/10/07 #18603 RT: 18.66 min 1.58e2 18.66, 18.70 RL: 2.84E5  
T: (0.2) ~ 51.46/350.00 Full MS (25.00-300.00)

