

Chemical Information:

Name: Linuron
CAS No.: 330-55-2
Tox21_ID No.: Tox21_201281
NTP_CID No.: 2203

Date of Analysis: 14 June 2016

Supplier: Sigma-Aldrich
Lot No.: 5320X
MW: 249.09 g/mol

Purity and Identity Results:

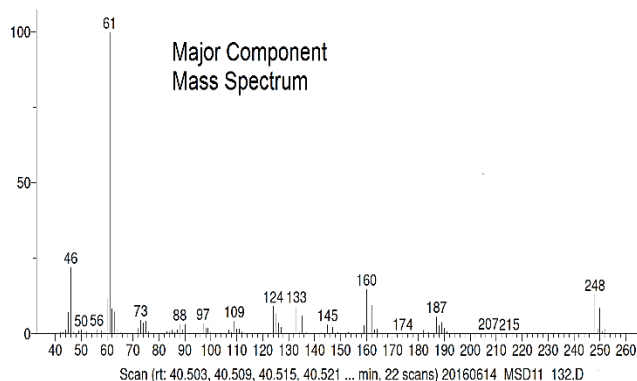
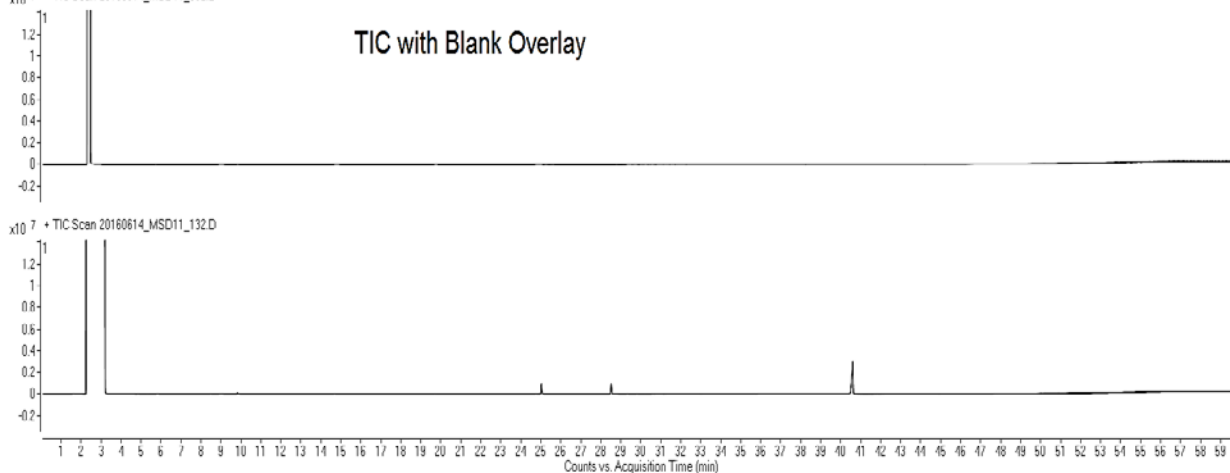
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Benzene, 1,2-dichloro-4-isocyanato-	25.03	14.05
Benzenamine, 3,4-dichloro-	28.52	14.87
unknown	36.03	0.56
Linuron	40.60	69.71

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014

x10⁷ + TIC Scan 20160614_MSD11_002.D



Hit 1 : Urea, N'-(3,4-dichlorophenyl)-N-methoxy-N-methyl-
C9H10Cl2N2O2; MF: 892; RMF: 894; Prob 98.1%; CAS: 330-55-2; Lib: replib; ID: 6774.

