

# Chemical Information:

Name: Ethionamide  
CAS No.: 536-33-4  
Tox21\_ID No.: Tox21\_202409  
NTP\_CID No.: 780

Date of Analysis: 24 February 2009

Supplier: Sigma-Aldrich  
Lot No.: 104K1055  
MW: 166.24 g/mol

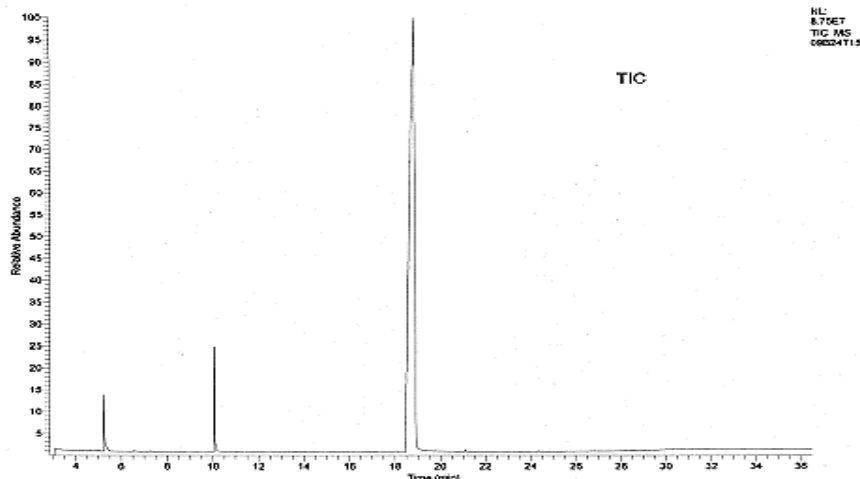
## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Acetone	5.25	Not applicable
unknown	10.09	2.95
Ethionamide	18.92	97.05

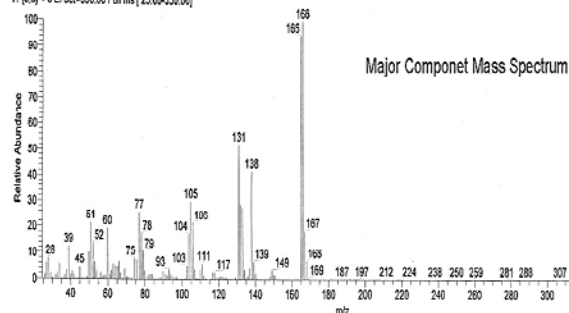
<sup>a</sup> Peaks comprising ≥ 0.5% of total area.

## GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone (~ 1 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



09B24T15 #1873 RT: 18.91 AV: 1 SB: 2 18.10, 18.65 NL: 1.55E8  
T: (0.0) + e EI det=350.00 Full ms [25.00-350.00]



NIST Reference  
Mass Spectrum

