

Chemical Information:

Name: Thiourea
CAS No.: 62-56-6
Tox21_ID No.: Tox21_201873
NTP_CID No.: 1350

Supplier: Sigma-Aldrich
Lot No.: 094K0086
MW: 76.12 g/mol

Date of Analysis: 02 February 2009

Purity and Identity Results:

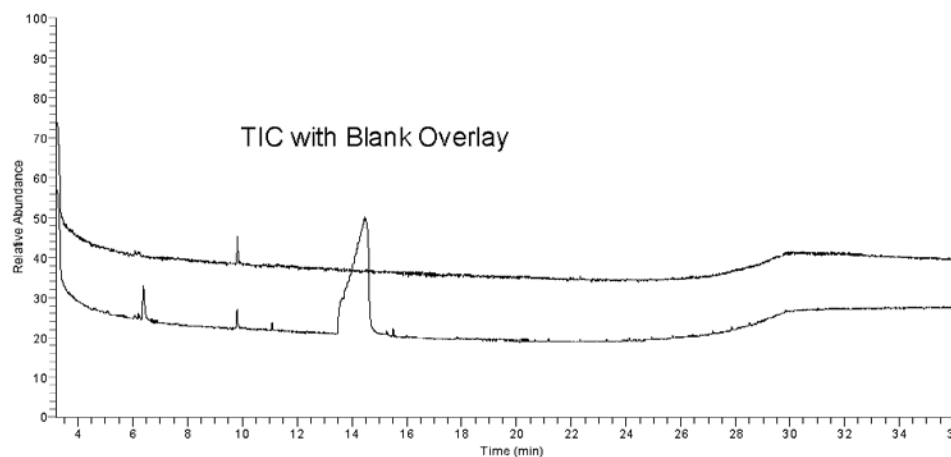
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	6.38	3.12
Thiourea	14.46	96.52

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

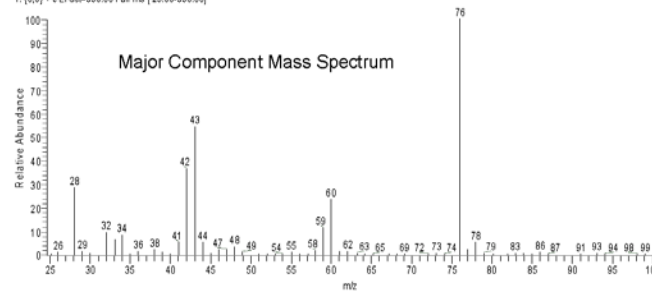
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m 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 μ L / 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

RT: 3.20 - 36.51 SM: 3G



06B05T07 #1262 RT: 13.52 AV: 1 SB: 2 13.37, 14.85 NL: 4.68E4
T: [0.0] + c EI de=350.00 Full ms [25.00-350.00]



NIST Reference Mass Spectrum

