

Chemical Information:

Name: Methylthioglycolate

Date of Analysis: 21 May 2009

CAS No.: 2365-48-2

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_201130

Lot No.: 09718TH

NTP_CID No.: 973

MW: 106.14 g/mol

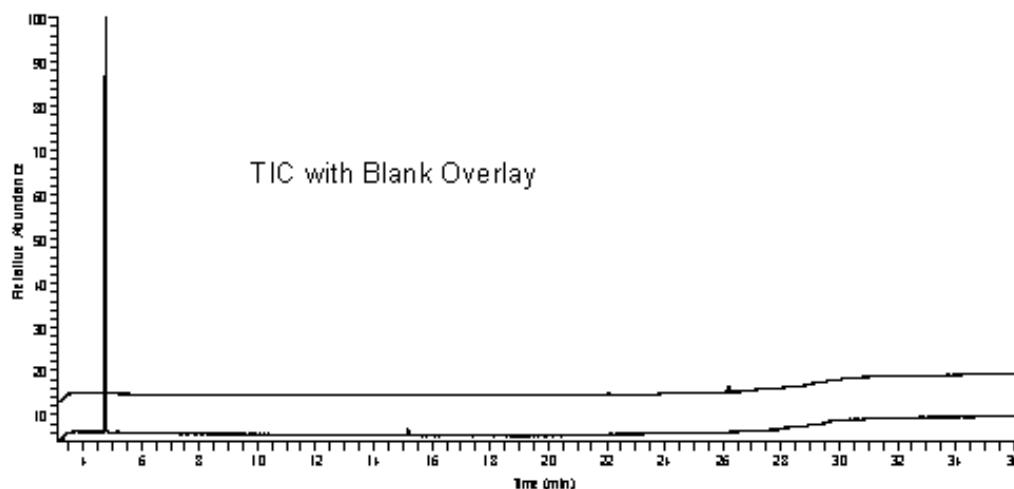
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Methylthioglycolate	4.77	98.25
unknown	15.19	1.75

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

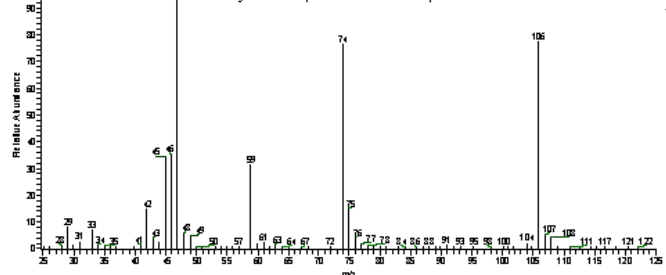
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



DE 210-0306 RT: 47.4 AL: 1 SE: 2 x 71.00 NL: 3345

T: 0.00 + 0.00 + 0.00 FWHM: 25.00-50.00

Major Component Mass Spectrum



NIST Reference Mass Spectrum

