

Chemical Information:

Name: N-Cyclohexyl-2-benzothiazolesulfenamide Date of Analysis: 14 June 2016
CAS No.: 95-33-0 Supplier: TCI America
Tox21_ID No.: Tox21_202436 Lot No.: OGI01
NTP_CID No.: 4163 MW: 264.41 g/mol

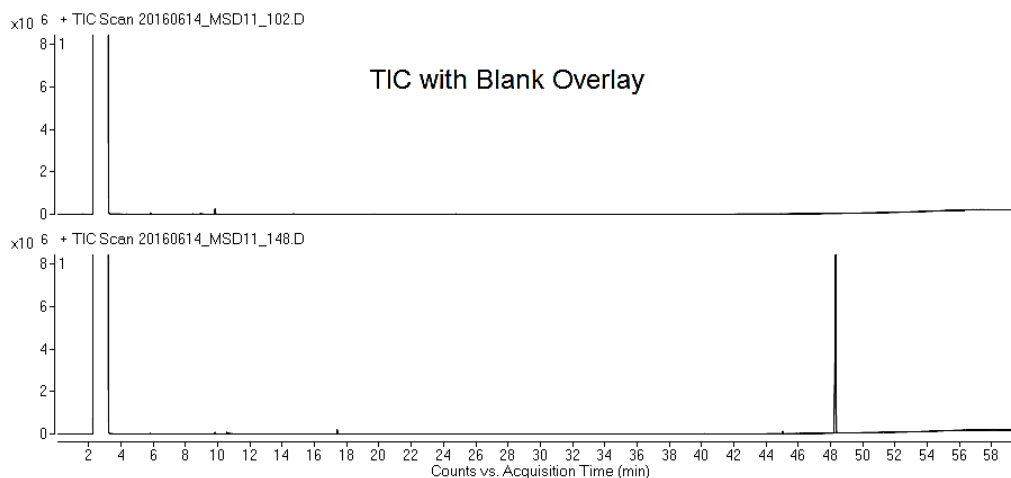
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	10.54	1.70
Unknown	17.39	1.41
Unknown	45.03	0.81
N-Cyclohexyl-2-benzothiazolesulfenamide	48.32	95.96

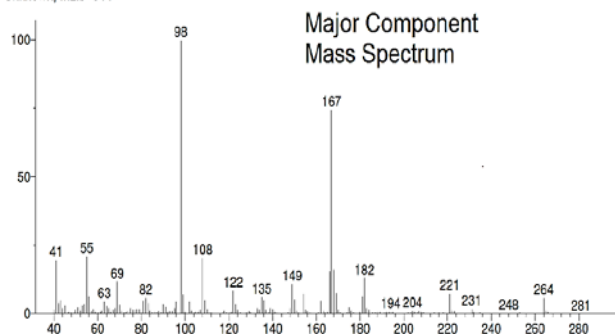
^a Peaks comprising $\geq 0.5\%$ of total area.

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	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014



Unknown; InLib=544



Hit 1 : 2-Benzothiazolesulfenamide, N-cyclohexyl-
C13H16N2S2; MF: 889; RMF: 890; Prob 94.2%; CAS: 95-33-0; Lib: mainlib; ID: 61325.

