

Chemical Information:

Name: Propyleneimine
CAS No.: 75-55-8
Tox21_ID No.: Tox21_202944
NTP_CID No.: 6568

Supplier: Sigma Aldrich
Lot No.: 15227CS
MW: 57.09 g/mol

Date of Analysis: 16 March 2017

Purity and Identity Results:

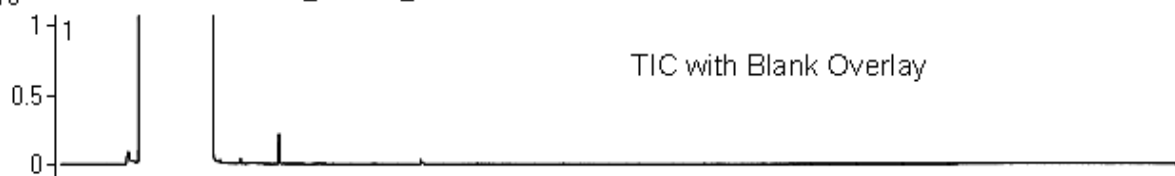
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Methanol	4.00	Not applicable
Propyleneimine	6.07	100.00

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

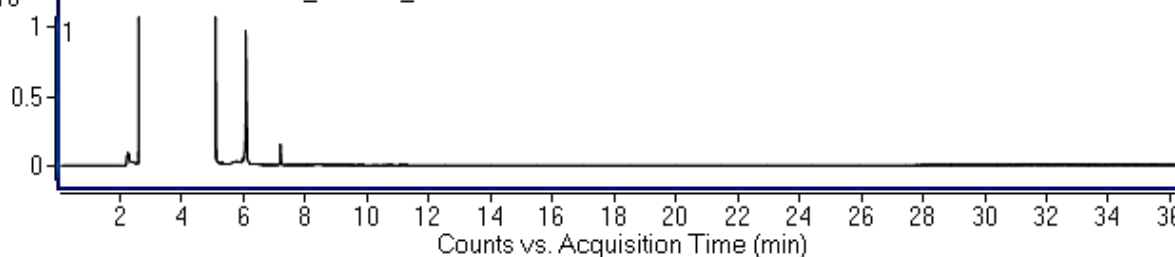
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- 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	10-110 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
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

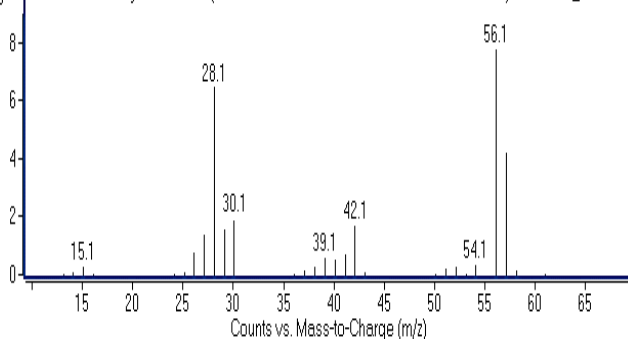
x10¹ + TIC Scan 20170316_MSD11_003.D



x10¹ + TIC Scan 20170316_MSD11_004.D



x10⁵ Aziridine, 2-methyl- + Scan (rt. 6.037, 6.038, 6.040, 6.041 ... min, 53 scans) 20170316_MSD11_...



100 NIST Reference Mass Spectrum

