

### Chemical Information:

Name: Dimethylethanolamine  
CAS No.: 108-01-0 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201821 Lot No.: 1368262  
NTP\_CID No.: 4252 MW: 89.14 g/mol

Date of Analysis: 14 June 2016

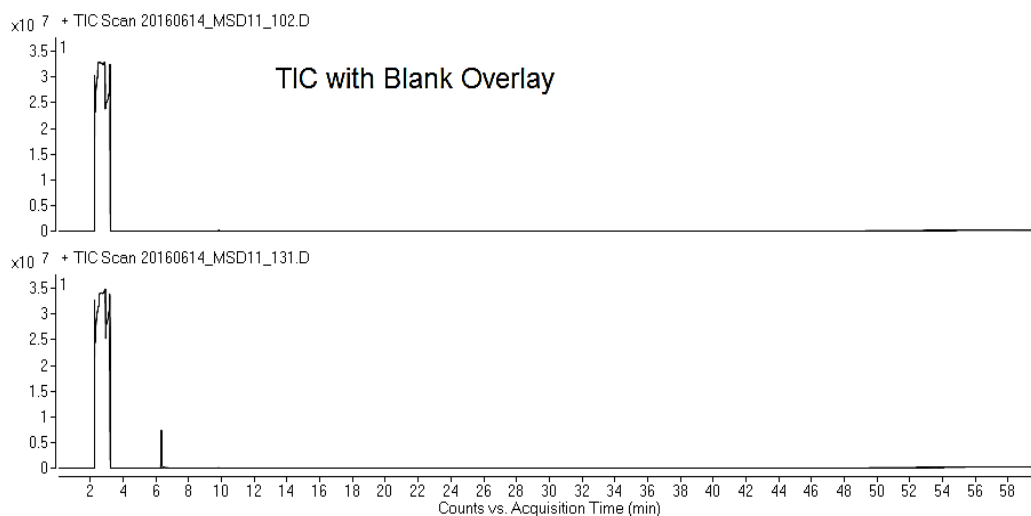
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Dimethylethanolamine	6.33	100.00

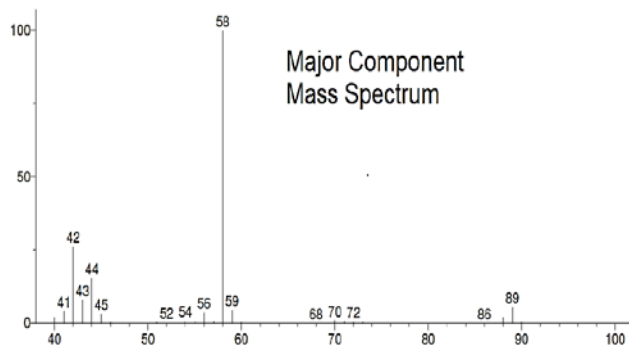
<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### 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- $\mu$ 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 $\mu$ 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=167



Hit 1: N,N-Dimethyl-2-aminoethanol  
C<sub>4</sub>H<sub>11</sub>NO; MF: 917; RMF: 917; Prob 84.9%; CAS: 103-01-0; Lib: mainlib; ID: 24609.

