

Chemical Information:

Name: N,N,N',N'-Tetramethylethylenediamine
CAS No.: 110-18-9 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_200241 Lot No.: 058K1152
NTP_CID No.: 2508 MW: 116.20 g/mol

Date of Analysis: 24 August 2015

Purity and Identity Results:

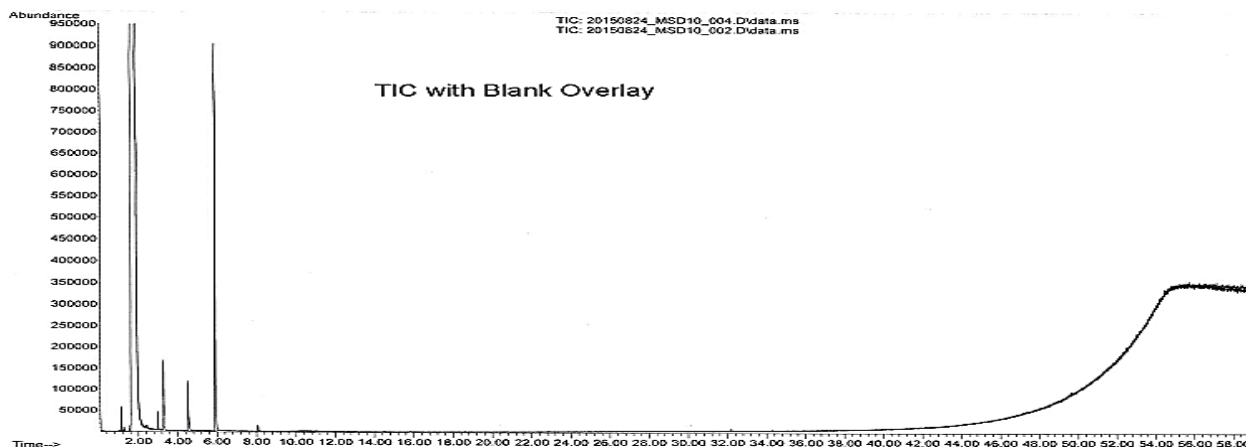
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Dichloromethane	1.70	Not applicable	Dichloromethane	3.30	Not applicable
unknown	1.14	2.66	CAS# 107-99-3 ^b	4.56	9.39
unknown	1.26	1.31	CAS# 110-18-9	5.92	82.31
unknown	3.01	2.89	unknown	8.08	1.44

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

^b CAS# 107-99-3: Ethanamine, 2-chloro-N,N-dimethyl-

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 400 µg/mL)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-µm film thickness
Carrier Gas	Helium at 2 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 450 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (10:1)
Run Time	59 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014



Scan 1225 (5.921 min): 20150824_MSD10_004.D\data.ms

1,2-Ethanediamine, N,N,N',N'-tetramethyl-
CAS: 110-18-9; Lib: mainlib; ID: 27876

