

Chemical Information:

Name: 1-Hexadecanaminium, N,N,N-trimethyl-, chloride
CAS No.: 112-02-7 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_202555 Lot No.: 1258836
NTP_CID No.: 2675 MW: 320.00 g/mol

Date of Analysis: 16 April 2010

Purity and Identity Results:

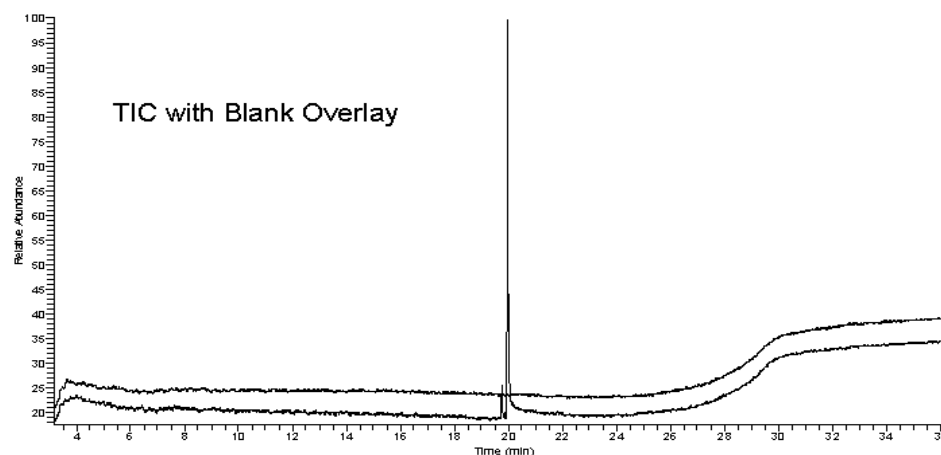
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	19.75	4.93
1-Hexadecanaminium, N,N,N-trimethyl-, chloride	19.97	95.07

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

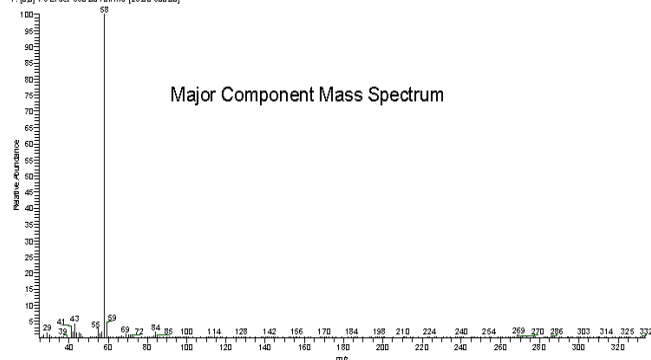
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- 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	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	Xcalibur v 1.2, and NIST Library v 2.0f, build 10/08/2008

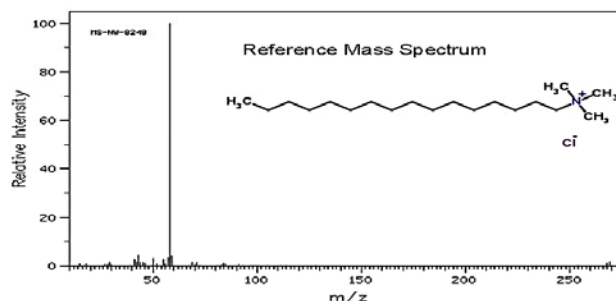
RT: 3.15 - 36.47 SM 3 G



10010706#2002 RT: 19.95 AU: 1.55 10 19.99-19.91, 20.08-20.73 NL: 9.26E5
T: 0.01 + 0.01 0.00-100.00 Full MS (25.00-500.00)



MS-19H-2348 SDBS No. 1970
hexadecyltrimethylammonium chloride
C19H42ClN (Mass of molecular ion: 319)



SDBS Web: <http://sdb.sdb.aist.go.jp> (National Institute of Advanced Industrial Science and Technology)