

### Chemical Information:

Name: Bis(2-chloro-1-methylethyl) ether Date of Analysis: 12 January 2009  
CAS No.: 108-60-1 Supplier: Supelco via Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201201 Lot No.: LB62360  
NTP\_CID No.: 551 MW: 171.06 g/mol

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
unknown	5.81	0.53
unknown	7.39	0.58
Bis(2-chloro-1-methylethyl) ether	9.02	95.44
unknown	9.90	2.37

<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	Dichloromethane
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- $\mu$ 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 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Split (10:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

