

# Chemical Information:

Name: bis(2-Chloroethoxy)methane  
CAS No.: 111-91-1 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_200284 Lot No.: S062310LM  
NTP\_CID No.: 552 MW: 173.04 g/mol

Date of Analysis: 30 August 2010

## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
bis(2-Chloroethoxy)methane	10.85	96.85
unknown	13.51	3.15

<sup>a</sup> Peaks comprising ≥ 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-μm 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	230°C
Auxiliary Temperature	250°C
Scan Range	15 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μL / Split (100:1)
Data Analysis Software	MSD ChemStation v D.03.00.SP1, and NIST Library v 2.0f, build 10/08/2008

