

Chemical Information:

Name: Ethane, 1-chloro-2-(ethylthio)-
CAS No.: 693-07-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_200911 Lot No.: 02314JJ
NTP_CID No.: 2889 MW: 124.63 g/mol

Date of Analysis: 18 December 2009

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|---------------------------------|----------------------|------------------------------------|
| Ethane, 1-chloro-2-(ethylthio)- | 7.38 | 98.25 |
| unknown | 7.53 | 0.74 |

^a 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 | 150°C |
| Scan Range | 25 – 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 10/8/2008 |

