

Chemical Information:

Name: 2,3-Dichlorobutane
CAS No.: 7581-97-7
Tox21_ID No.: Tox21_200667
NTP_CID No.: 4969

Supplier: Alfa Aesar
Lot No.: 10104856
MW: 127.01 g/mol

Date of Analysis: 15 October 2009

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
2,3-Dichlorobutane	4.40	43.18
2,3-Dichlorobutane	4.73	56.82

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

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 1 mg/mL)
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	230°C
Auxiliary Temperature	150°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	MSD ChemStation, v D.03.00.SP1; NIST Library v 2.0f, build 10/08/2008

