

### Chemical Information:

Name: 2-Butoxyethanol (ethylene glycol monobutyl ether)  
CAS No.: 111-76-2 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_202399 Lot No.: 10124BE  
NTP\_CID No.: 230 MW: 118.17 g/mol

Date of Analysis: 18 December 2008

### Purity and Identity Results:

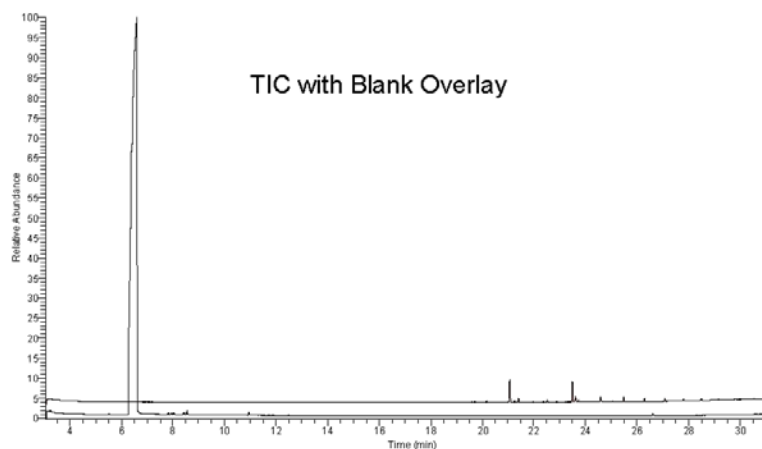
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
2-Butoxyethanol	6.60	99.38

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

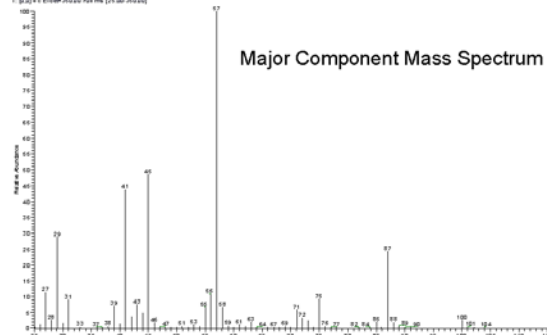
### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (~ 6 mg/mL)
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 2 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	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008

RT: 3.05-31.50 SM: 30



0011705.F 70.02 RT: 6.27 AC: 1.58 D: 6.26.6.00 NL: 0.0100  
1: (3.05-31.50) 300.000 MS: MS (31.50-30.000)



NIST Reference Mass Spectrum

