

### Chemical Information:

Name: Butane, 2,2'-oxybis-  
 CAS No.: 6863-58-7  
 Tox21\_ID No.: Tox21\_201188  
 NTP\_CID No.: 3124

Supplier: Sigma-Aldrich  
 Lot No.: 93296MJ  
 MW: 130.23 g/mol

Date of Analysis: 13 August 2015

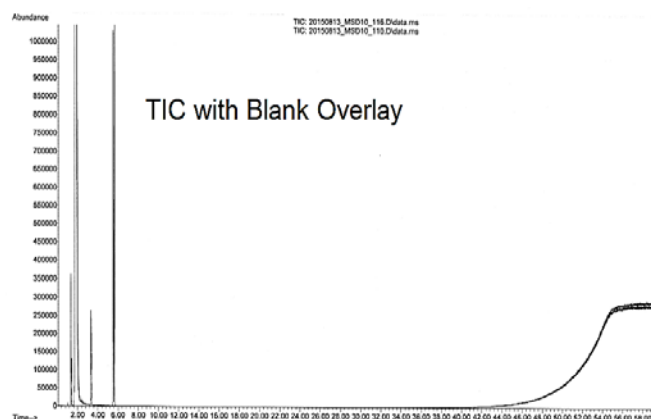
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Butane, 2,2'-oxybis-	5.52	49.64
Butane, 2,2'-oxybis-	5.64	50.26

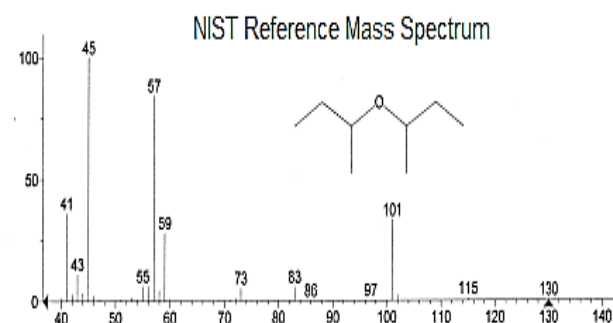
<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

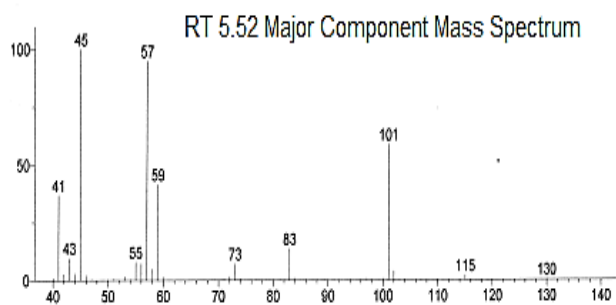
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Dichloromethane
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005



Hit 1: Di-sec-Butyl ether  
 C<sub>8</sub>H<sub>18</sub>O; MF: 944; RMF: 944; Prob 87.6%; CAS: 6863-58-7; Lib: replib; ID: 4078.



Unknown: Scan 933 (5.526 min): 20150813\_MSD10\_116.D\data.ms  
 Compound in Library Factor = 244



Unknown: Scan 953 (5.642 min): 20150813\_MSD10\_116.D\data.ms  
 Compound in Library Factor = 278

