

### Chemical Information:

Name: 2-Methylfuran  
CAS No.: 534-22-5  
Tox21\_ID No.: Tox21\_200203  
NTP\_CID No.: 953

Supplier: Sigma-Aldrich  
Lot No.: MKAA1499  
MW: 82.10 g/mol

Date of Analysis: 28 September 2010

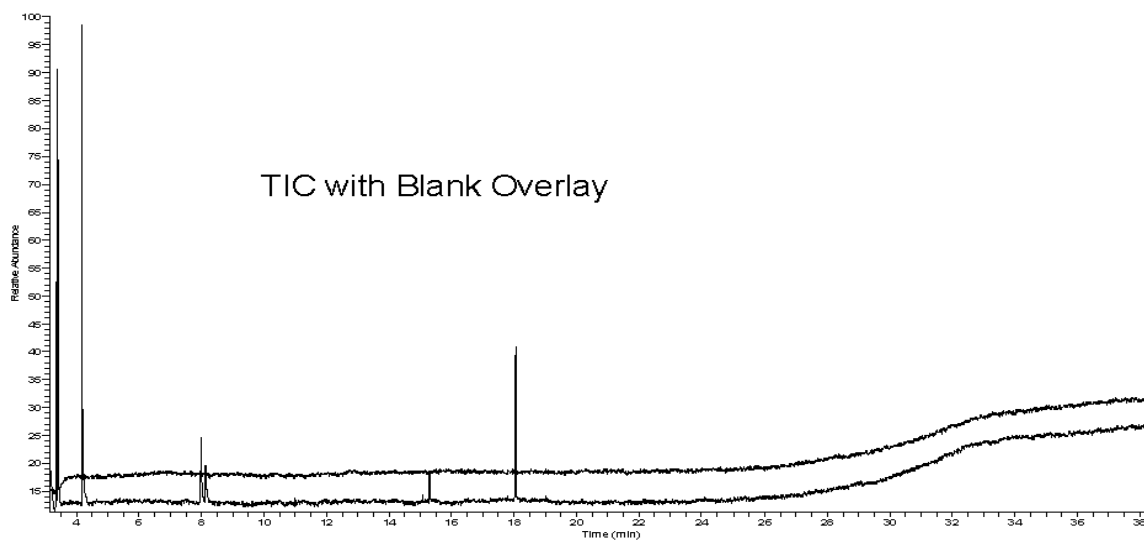
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
2-Methylfuran	3.12	98.69

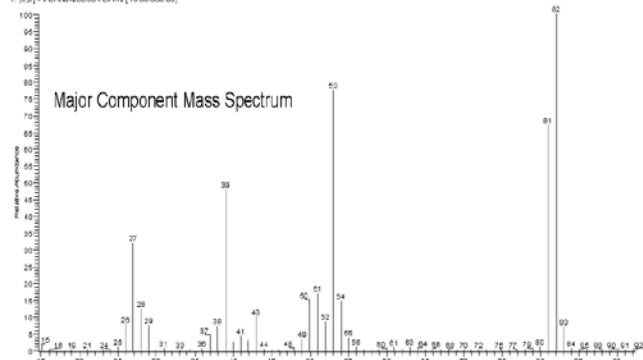
<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Not applicable
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	10°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	200°C
Auxiliary Temperature	200°C
Scan Range	15 – 500 amu
Injector Temperature	200°C
Injection Volume / Mode	1 $\mu$ L / Split (420:1)
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0f, build 10/08/2008



10/28/10 16:24 R1: 2.85 40:1 55: 7.2 80-2 92.3 25-3 27 NL: 7.5285  
T: 0.00 4: 81 4000000 Full MS (15.00-800.00)



### NIST Reference Mass Spectrum

