

# Chemical Information:

Name: t-Butyl formate  
CAS No.: 762-75-4  
Tox21\_ID No.: Tox21\_200359  
NTP\_CID No.: 1312

Supplier: Sigma-Aldrich  
Lot No.: 14508DD  
MW: 102.13 g/mol

Date of Analysis: 06 March 2015

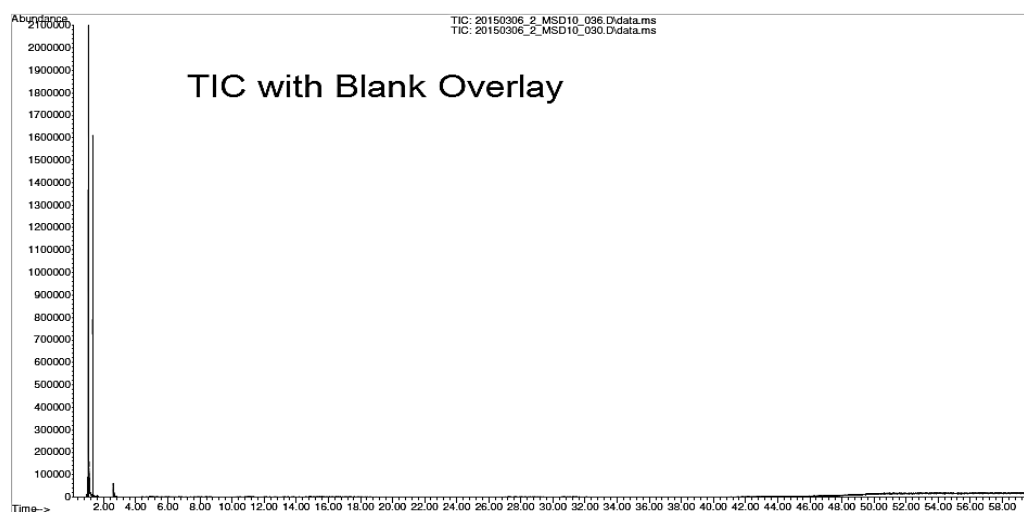
## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
t-Butyl formate	1.31	100

<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	Acetone
Column	J&W DB-1, 30 m x 0.25 mm ID, 0.25- $\mu$ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 300°C, hold 10 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Run Time	60.0 minutes
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver2.0 d, build Dec 2005



Unknown: Scan 227 (1.314 min): 20150306\_2\_MSD10\_036.D\data.ms  
Compound in Library Factor = 155

Hit 1: Formic acid, 1,1-dimethylethyl ester  
C5H10O2; MF: 908; RMF: 908; Prob 65.6%; CAS: 762-75-4; Lib: mainlib; ID: 24814.

