

### Chemical Information:

Name: N-Acetylcysteine  
CAS No.: 616-91-1  
Tox21\_ID No.: Tox21\_201078  
NTP\_CID No.: 3988

Supplier: Sigma-Aldrich  
Lot No.: 038K0711  
MW: 163.19 g/mol

Date of Analysis: 03 August 2015

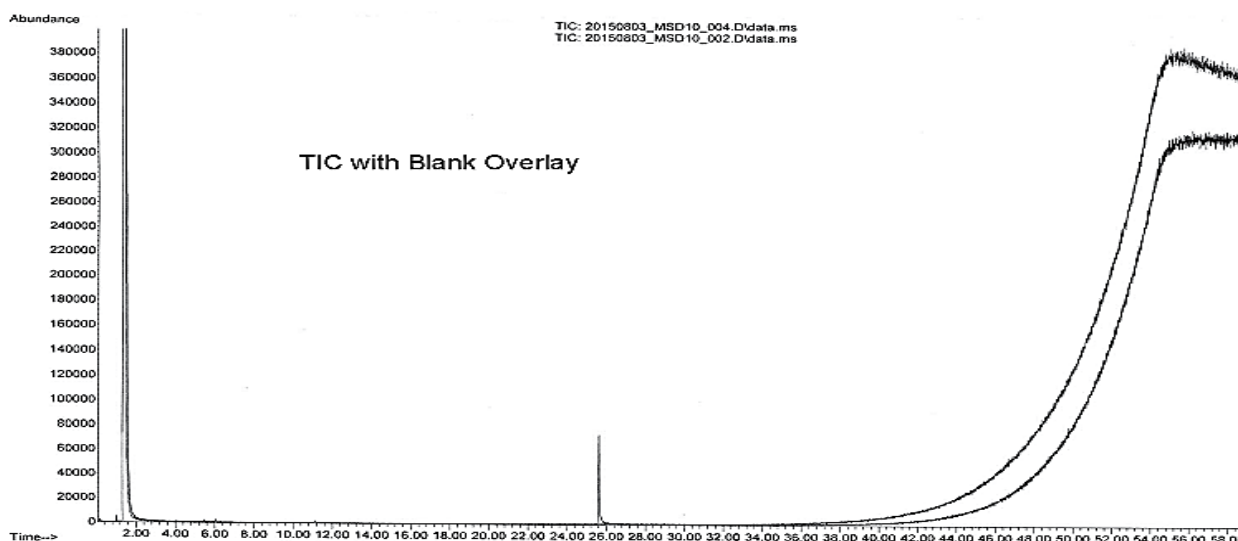
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area)
N-Acetylcysteine	25.64	Not determined <sup>a</sup>

<sup>a</sup> Component observed and identified; however, response was insufficient to determine impurities.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol (~ 400 µg/mL)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-µm film thickness
Carrier Gas	Helium at 2 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 600 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (10:1)
Run Time	59 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014



Scan 4017 (25.644 min): 20150803\_MSD10\_004.D\data.ms (-3986)

L-Cysteine, N-acetyl-

CAS: 616-91-1; Lib: replib; ID: 7519

