

# Chemical Information:

Name: Pentane, 3,3-dimethyl-  
CAS No.: 562-49-2 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_202848 Lot No.: MKBF0092V  
NTP\_CID No.: 6233 MW: 100.20 g/mol

Date of Analysis: 16 December 2016

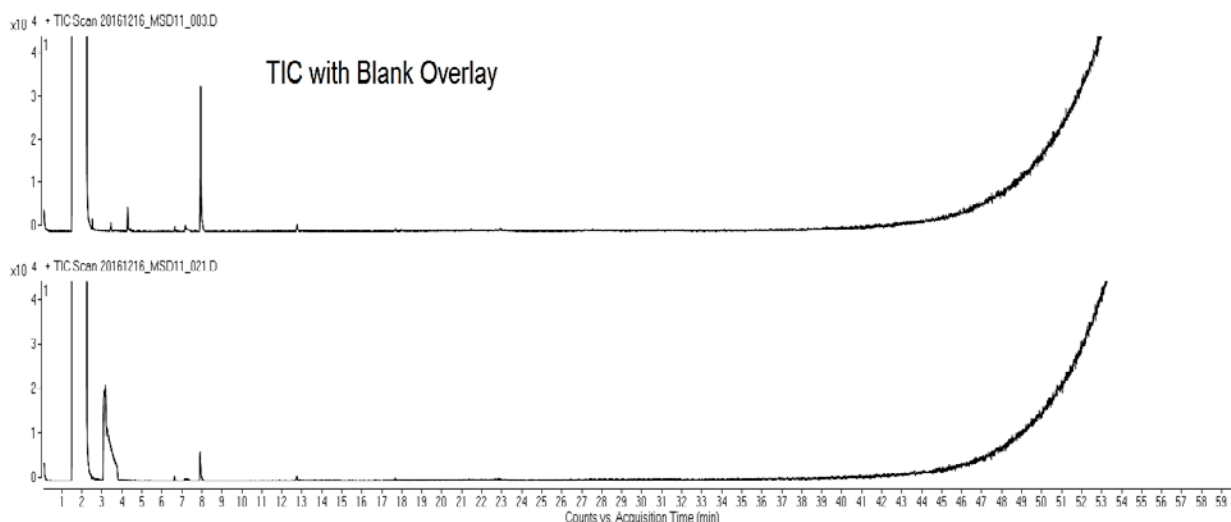
## Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Pentane, 3,3-dimethyl-	3.17	100.00

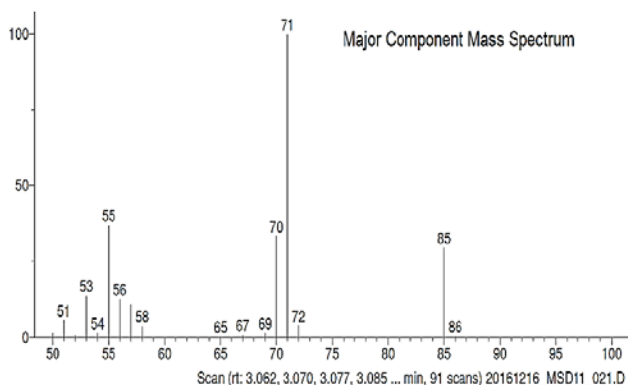
<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

## GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	50 – 400 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2f Build 2014



Unknown: InLib=315



Hit 1 : Pentane, 3,3 dimethyl-  
C7H16, MF: 814; RMF: 814; Prob 35.1%; CAS: 562-49-2; Lib: replib; ID: 2414.

