

### Chemical Information:

Name: Benzene, 1-methoxy-4-methyl-2-nitro-  
CAS No.: 119-10-8 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201221 Lot No.: 06005MD  
NTP\_CID No.: 3594 MW: 167.16 g/mol

Date of Analysis: 13 August 2015

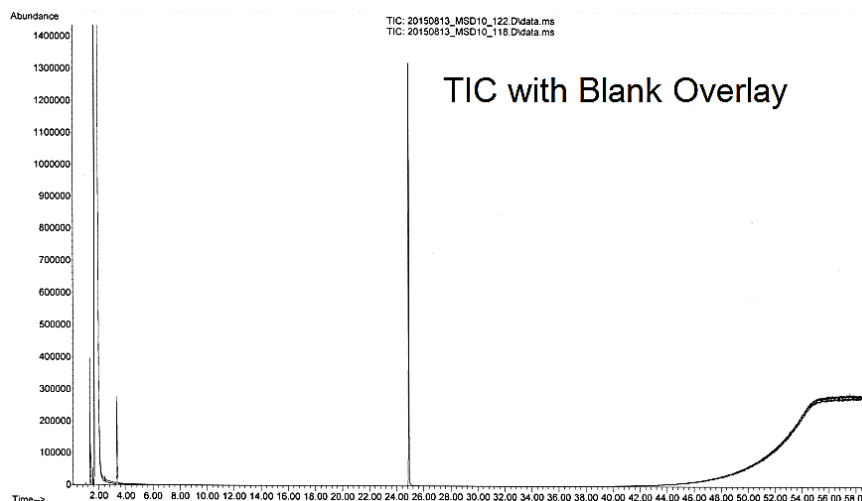
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Benzene, 1-methoxy-4-methyl-2-nitro-	24.89	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	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



Unknown: Scan 4257 (24.900 min): 20150813\_MSD10\_122.D\data.ms  
Compound in Library Factor = 587

Hit 1: 1-METHOXY-4-METHYL-2-NITROBENZENE  
C<sub>8</sub>H<sub>9</sub>NO<sub>3</sub>; MF: 951; RMF: 988; Prob 69.2%; Lib: mainlib; ID: 61785.

