

Chemical Information:

Name: 3-Pyridinecarbonitrile
 CAS No.: 100-54-9
 Tox21_ID No.: Tox21_201669
 NTP_CID No.: 2608

Supplier: Sigma-Aldrich
 Lot No.: 01518ME
 MW: 104.11 g/mol

Date of Analysis: 19 June 2009

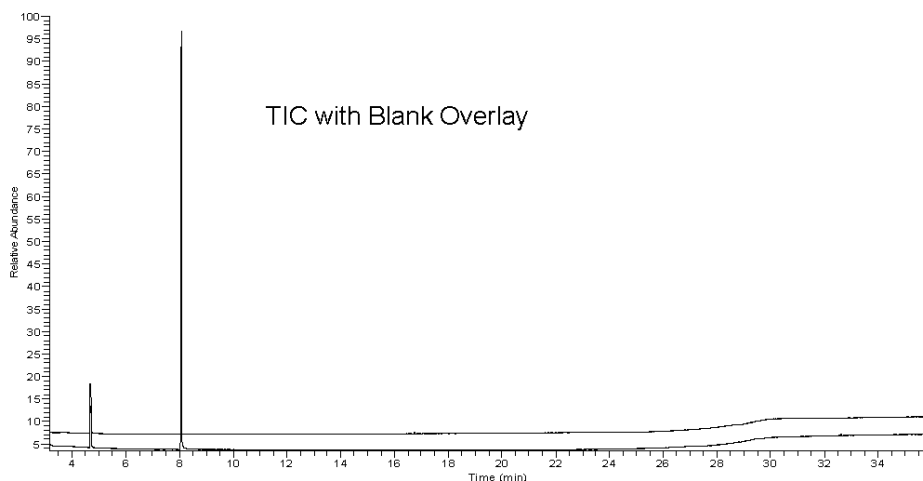
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
3-Pyridinecarbonitrile	8.08	100.00

^a Peaks comprising $\geq 0.5\%$ of total area.

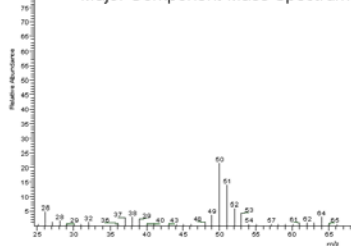
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ether (~ 1 mg/mL)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	25 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Run Time	36.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008



Q3112702 #601 RT: 8.04 AU: 1.00 37 7.00-7.00, 8.28-8.41 NL: 2.94E5
 T: (10) * + 80 dm350.00 Full.ms (25.000.000.00)

Major Component Mass Spectrum



NIST Reference Mass Spectrum

