

Chemical Information:

Name: Decanenitrile
CAS No.: 1975-78-6
Tox21_ID No.: Tox21_200860
NTP_CID No.: 2989

Supplier: Alfa Aesar
Lot No.: E1666B
MW: 153.26 g/mol

Date of Analysis: 07 August 2015

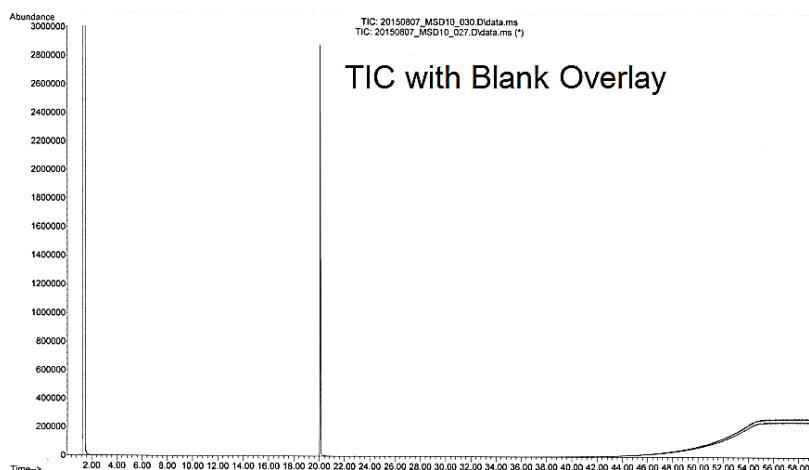
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Decanenitrile	20.09	99.85

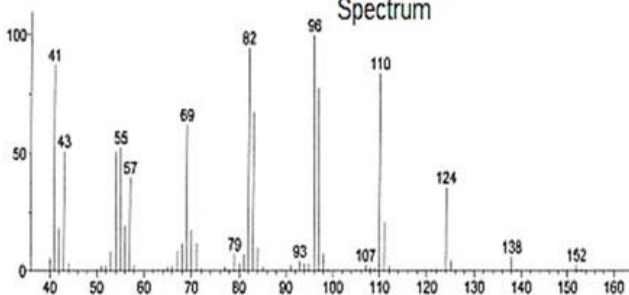
^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ 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 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Splitless
Run Time	59.0 minutes
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005



Major Component Mass Spectrum



NIST Reference Mass Spectrum

