

Chemical Information:

Name: Cyclopentanone oxime
CAS No.: 1192-28-5 Supplier: Alfa Aesar
Tox21_ID No.: Tox21_200493 Lot No.: J8268A
NTP_CID No.: 4166 MW: 99.13 g/mol

Date of Analysis: 06 March 2015

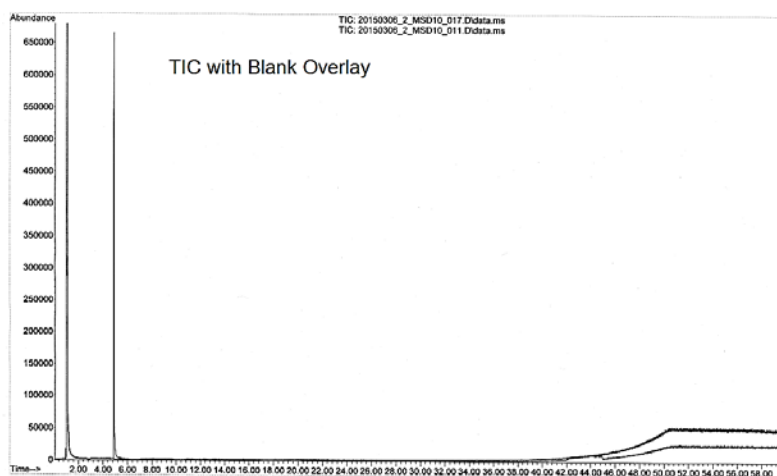
Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Cyclopentanone oxime	4.89	100.00

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

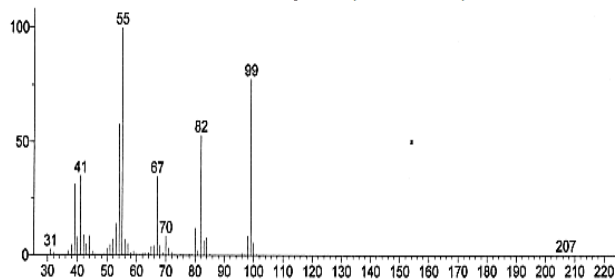
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	J&W DB-1, 30 m x 0.25 mm ID, 0.25- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 300°C, hold 10 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	60.0 minutes
Data Analysis Software	MSD ChemStation, ver D.03.00.611, NIST Library ver 2.0d, build Dec 2005



Unknown: Scan 889 (4.890 min): 20150306_2_MSD10_017.D\data.ms
Compound in Library Factor = 542

Major Component Mass Spectrum



Hit 1: Cyclopentanone, oxime
C₅H₉NO; MF: 927; RMF: 927; Prob 96.6%; CAS: 1192-28-5; Lib: mainlib; ID: 18316.

NIST Reference Mass Spectrum

