

### Chemical Information:

Name: Atropine  
CAS No.: 51-55-8  
Tox21\_ID No.: Tox21\_200487  
NTP\_CID No.: 4040

Date of Analysis: 06 March 2015

Supplier: Sigma-Aldrich  
Lot No.: 115K1487  
MW: 289.37 g/mol

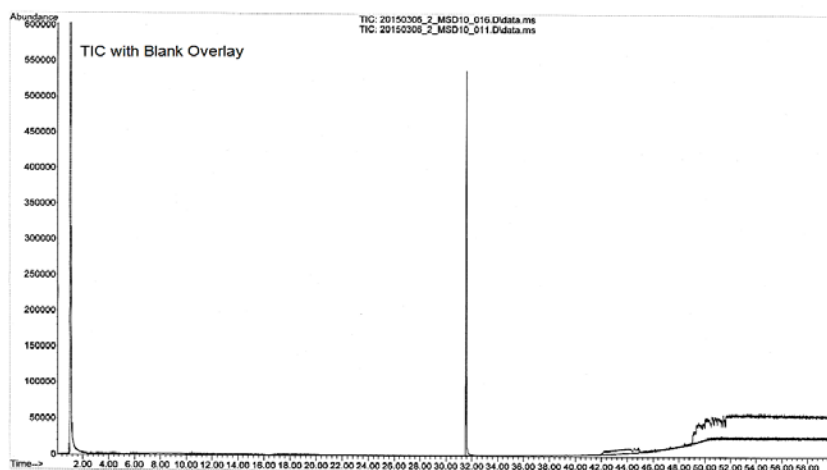
### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Atropine	31.564	100.00

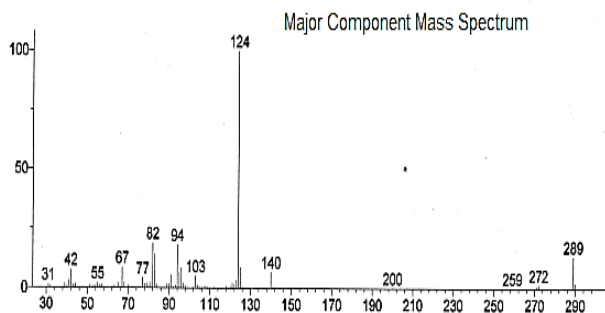
<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Ethanol
Column	J&W DB-1, 30 m x 0.25 mm ID, 0.25- $\mu$ 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 $\mu$ 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 5827 (31.565 min): 20150306\_2\_MSD10\_016.D\data.ms  
Compound in Library Factor = 184



Hit 1: Atropine  
C17H23NO3; MF: 939; RMF: 942; Prob 57.1%; CAS: 51-55-8; Lib: replib; ID: 16901.

