

### Chemical Information:

Name: Tropolone  
CAS No.: 533-75-5  
Tox21\_ID No.: Tox21\_202924  
NTP\_CID No.: 6543

Supplier: Sigma Aldrich  
Lot No.: MKBG6793V  
MW: 122.12 g/mol

Date of Analysis: 16 March 2017

### Purity and Identity Results:

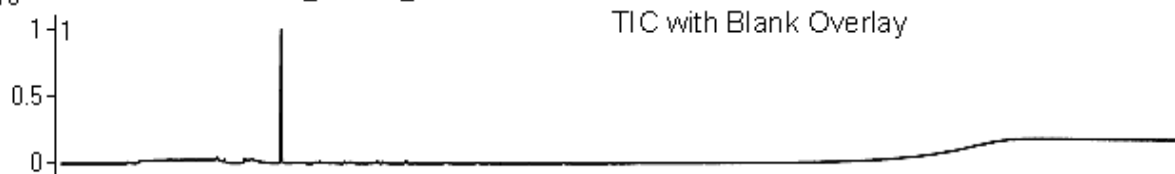
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Tropolone	16.80	100.00

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

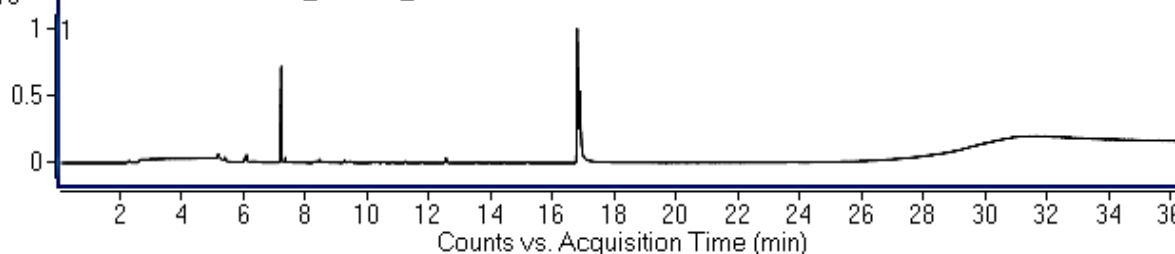
### GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ 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	40 – 655 amu
Injector Temperature	250°C
Injection Volume / Mode	1 $\mu$ L / Splitless
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / MassHunter Qualitative Analysis B.07.00 Build 7.0.7024.0 / NIST Library Version 2.2 Build 2014

x10<sup>2</sup> + TIC Scan 20170316\_MSD11\_006.D



x10<sup>2</sup> + TIC Scan 20170316\_MSD11\_031.D



x10<sup>5</sup> 2,4,6-Cycloheptatrien-1-one, 2-hydroxy-: + Scan (rt: 16.778, 16.785, 16.792, 16.799 ... min, 12...

