

Chemical Information:

Name: Maleimide
CAS No.: 541-59-3
Tox21_ID No.: Tox21_202926
NTP_CID No.: 6545
Supplier: Sigma Aldrich
Lot No.: STBB2762V
MW: 97.07 g/mol

Date of Analysis: 16 March 2017

Purity and Identity Results:

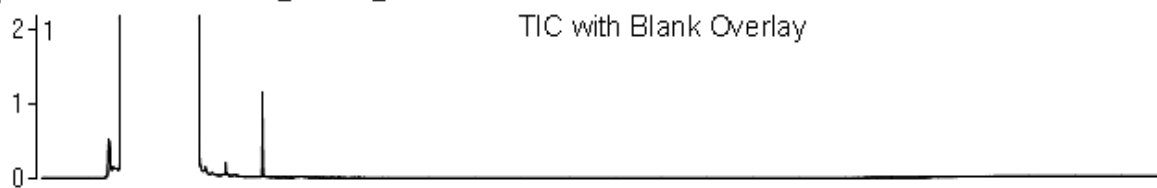
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Maleimide	12.55	96.69
Unknown	15.88	3.07

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

GC/MS Instrument Parameters:

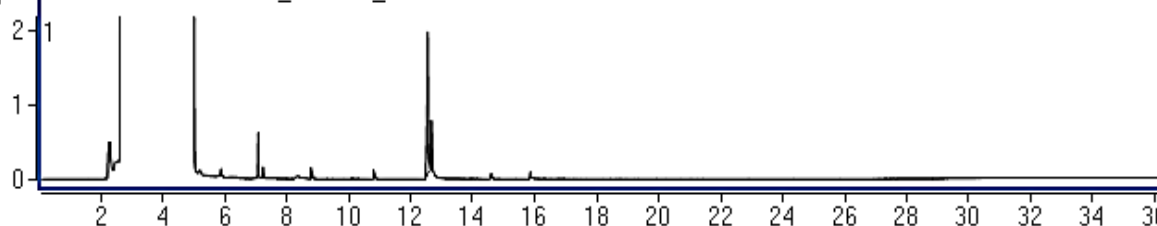
Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	10 – 110 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ 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

x10⁶ + TIC Scan 20170316_MSD11_033.D



TIC with Blank Overlay

x10⁶ + TIC Scan 20170316_MSD11_034.D



Counts vs. Acquisition Time (min)

