

Chemical Information:

Name: Propane, 1-(ethenyloxy)-2-methyl-
CAS No.: 109-53-5 Supplier: Sigma Aldrich
Tox21_ID No.: Tox21_202579 Lot No.: BCBC6911V
NTP_CID No.: 3836 MW: 100.16 g/mol

Date of Analysis: 10 March 2017

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Methanol	3.50	Not applicable
Propane, 1-(ethenyloxy)-2-methyl-	6.11	94.85
Unknown	7.25	0.73
Unknown	9.52	3.02
Unknown	14.62	1.40

^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 – 100 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

