

Chemical Information:

Name: 2-Butanone, O,O',O''-(methylsilyldiene)trioxime
CAS No.: 22984-54-9 Supplier: Pfaltz and Bauer, Inc.
Tox21_ID No.: Tox21_200464 Lot No.: 117051-3
NTP_CID No.: 3229 MW: 301.46 g/mol

Date of Analysis: 13 August 2015

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Acetone	1.50	Not applicable
2-Butanone, O,O',O''-(methylsilyldiene)trioxime ^b	5.17	23.06
2-Butanone, O,O',O''-(methylsilyldiene)trioxime ^b	5.29	76.31

^a Peaks comprising ≥ 0.5% of total area.

^b 2-Butanone oxime identified by GC/MS.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone (~ 400 µg/mL)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-µm film thickness
Carrier Gas	Helium at 2 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 320°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / Split (10:1)
Run Time	59 minutes
Data Analysis Software	MassHunter GC/MS Acquisition B.07.02.1938 / Chemstation Enhanced Data Analysis F.01.01.2317 / NIST Library Version 2.2 Build 2014

