

**Chemical Information:**

Name: 1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-  
CAS No.: 1760-24-3 Supplier: Sigma Aldrich  
Tox21\_ID No.: Tox21\_201649 Lot No.: 26597HJ  
NTP\_CID No.: 2981 MW: 222.36 g/mol

Date of Analysis: 04 October 2016

**Purity and Identity Results:**

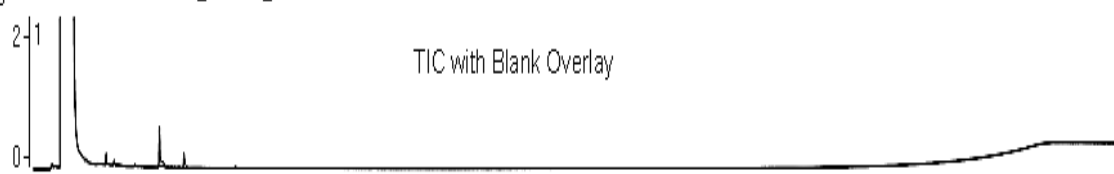
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Acetone	2.00	Not applicable
Unknown	29.16	1.59
1,2-Ethanediamine, N-[3-(trimethoxysilyl)propyl]-	31.22	96.64

<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	Acetone (~ 100 µg/mL)
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1-µm film thickness
Carrier Gas	Helium at 1.5 mL/min
Oven Program	50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 475 amu
Injector Temperature	250°C
Injection Volume / Mode	1 µL / 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>6</sup> + TIC Scan 20161004\_MSD11\_003.D



x10<sup>6</sup> + TIC Scan 20161004\_MSD11\_042.D

