

### Chemical Information:

Name: Tridecanedioic acid  
 CAS No.: 505-52-2  
 Tox21\_ID No.: Tox21\_201301  
 NTP\_CID No.: 5038  
 Supplier: Sigma Aldrich  
 Lot No.: 03106JG  
 MW: 244.33 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	31.69	1.14
4-Methylbenzenesulfonamide	32.37	6.27
Tridecanedioic acid	38.79	92.59

<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

