

### Chemical Information:

Name: Dichloroacetic acid  
CAS No.: 79-43-6  
Tox21\_ID No.: Tox21\_202363  
NTP\_CID No.: 708  
Supplier: Sigma Aldrich  
Lot No.: 06222DJ  
MW: 128.94 g/mol

Date of Analysis: 18 July 2016

### Purity and Identity Results:

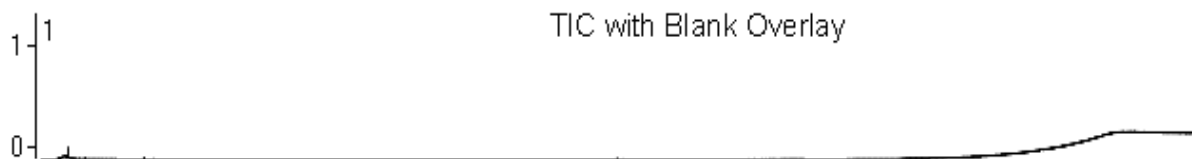
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
Unknown	7.73	3.86
Dichloroacetic acid	14.32	95.96

<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	Methanol
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- $\mu$ m film thickness
Carrier Gas	Helium at 2.0 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 $\mu$ L / Split (5:1)
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 20160718\_MSD11\_007.D



TIC with Blank Overlay

x10<sup>6</sup> + TIC Scan 20160718\_MSD11\_008.D

