

Chemical Information:

Name: 2,3-Dichloro-p-dioxane
CAS No.: 3883-43-0 Supplier: TCI America
Tox21_ID No.: Tox21_202130 Lot No.: O4PME
NTP_CID No.: 4200 MW: 156.99 g/mol

Date of Analysis: 07 October 2016

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Acetone	2.00	Not applicable	Unknown	17.42	0.67
Unknown	9.62	0.58	Unknown	17.93	1.28
2,3-Dichloro-p-dioxane	15.64	94.32	Unknown	35.04	0.67

^a 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

