

Chemical Information:

Name: 2,3,7,8-Tetrachlorodibenzo-p-dioxin
CAS No.: 1746-01-6 Supplier: MRIGlobal
Tox21_ID No.: Tox21_202792 Lot No.: CR82-2-2
NTP_CID No.: 4766 MW: 321.98 g/mol

Date of Analysis: 06 January 2017

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	14.20	0.66
Unknown	41.77	0.91
2,3,7,8-Tetrachlorodibenzo-p-dioxin	45.43	98.43

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μ m 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	50 – 460 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / 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

x10⁶ + TIC Scan 20170106_MSD11_007.D

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