

Chemical Information:

Name: Dibenzo-p-dioxin
 CAS No.: 262-12-4
 Tox21_ID No.: Tox21_202045
 NTP_CID No.: 4193

Supplier: TCI America
 Lot No.: FIN01
 MW: 184.19 g/mol

Date of Analysis: 14 June 2016

Purity and Identity Results:

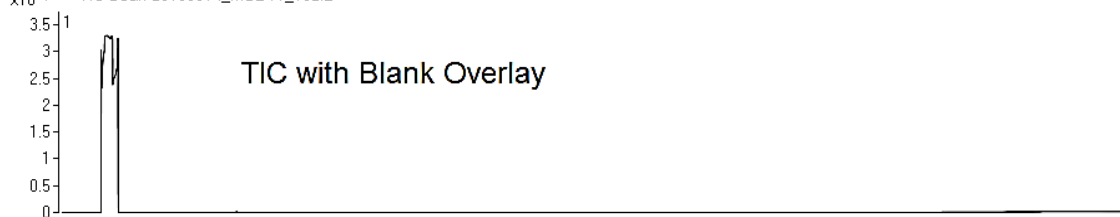
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Dibenzo-p-dioxin	32.37	100.00

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

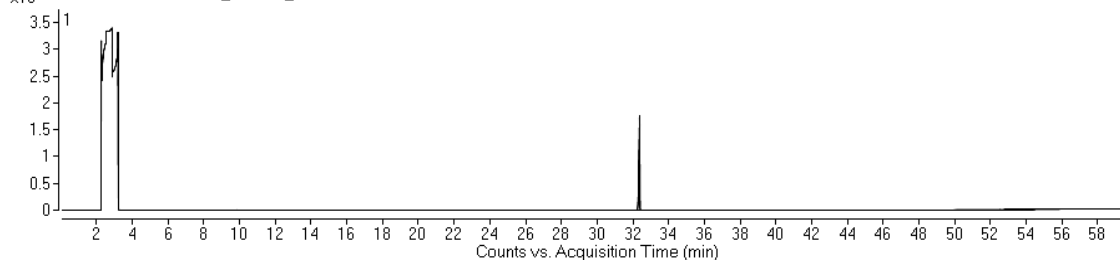
GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph with Mass Spectrometer / Electron Impact
Solvent	Acetone
Column	Rtx-5 MS, 30 m x 0.25 mm ID, 1- μ m film thickness
Carrier Gas	Helium at 2.0 mL/min
Oven Program	50°C, hold 0 min; ramp @ 5°C/min to 315°C, hold 5 min
Source Temperature	230°C
Auxiliary Temperature	250°C
Scan Range	40 – 550 amu
Injector Temperature	250°C
Injection Volume / Mode	1 μ L / Split (100:1)
Data Analysis Software	MSD ChemStation, ver F.01.01.2317, NIST Library ver 2.2f, build Dec 2014

x10⁷ + TIC Scan 20160614_MSD11_102.D

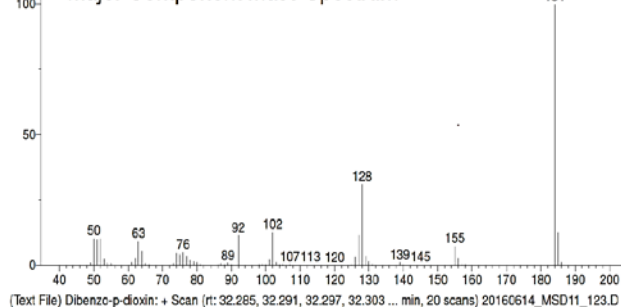


x10⁷ + TIC Scan 20160614_MSD11_123.D



Unknown; InLib=475

Major Component Mass Spectrum



Hit 1 : Dibenzo-p-dioxin

C12H8O2; MF: 957; RMF: 968; Prob 90.8%; CAS: 262-12-4; Lib: replib; ID: 23274.

NIST Reference Mass Spectrum

