

Chemical Information:

Name: 2,2',4,4',5,5'-Hexabromodiphenyl ether
CAS No.: 68631-49-2 Supplier: Cerilliant Corp.
Tox21_ID No.: Tox21_202469 Lot No.: 35081-72
NTP_CID No.: 103 MW: 643.59 g/mol

Date of Analysis: 06 January 2017

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Unknown	2.42	0.72	Unknown	4.29	0.95
Unknown	3.33	0.59	Unknown	52.68	1.80
Unknown	4.14	2.13	CAS# 68631-49-2	55.60	93.21

^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 – 650 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_003.D

TIC with Blank Overlay

x10⁶ + TIC Scan 20170106_MSD11_004.D

Counts vs. Acquisition Time (min)

