

Chemical Information:

Name: Benzo[g,h,i]perylene
CAS No.: 191-24-2
Tox21_ID No.: Tox21_202732
NTP_CID No.: 2118
Supplier: Sigma Aldrich
Lot No.: 025K3712
MW: 276.33 g/mol

Date of Analysis: 10 July 2017

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
Acetone	3.00	Not applicable
Unknown	36.03	1.05
Benzo[g,h,i]perylene	44.75	98.75

^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	40°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 30 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 450 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

x10¹ + TIC Scan 20170707_MSD11_102.D

TIC with Blank Overlay

