

Chemical Information:

Name: 1-Methyl pyrene

Date of Analysis: 05 October 2007

CAS No.: 2381-21-7

Supplier: Sigma-Aldrich

Tox21_ID No.: Tox21_200154

Lot No.: 1098874

NTP_CID No.: 84

MW: 216.28 g/mol

Purity and Identity Results:

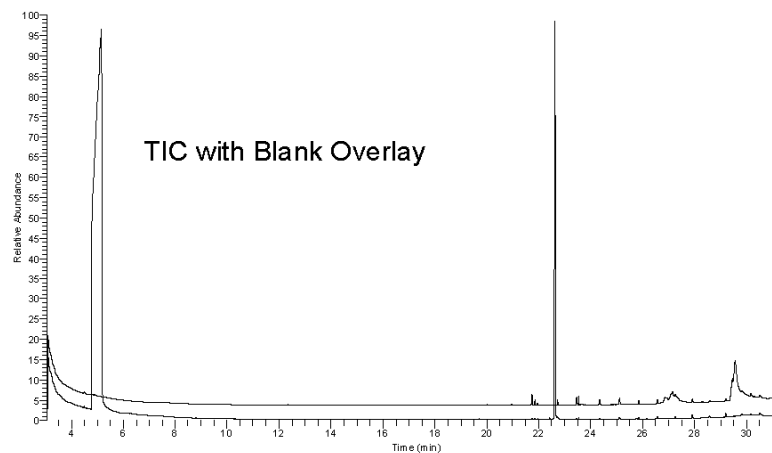
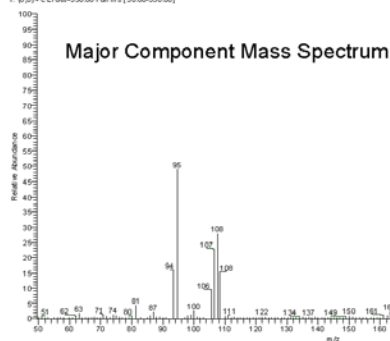
Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
DMSO	5.17	Not applicable
1-Methyl pyrene	22.63	99.56

^a Peaks comprising ≥ 0.5% of total area.

GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with dichloromethane)
Column	J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25-μm film thickness
Carrier Gas	Helium at 1.0 mL/min
Oven Program	35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	50 – 350 amu
Injector Temperature	250°C
Injection Volume / Mode	2 μL / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.50 SM: 3G


07/09/19 #2152 RT: 22.63 AU: 1.00 4.22552256, 22.67 NL: 2.9968
T: 0.01 x 51.64e500.00 Full MS [50.00-350.00]


NIST Reference Mass Spectrum

