

Chemical Information:

Name: Diethylstilbestrol
CAS No.: 56-53-1
Tox21_ID No.: Tox21_202407
NTP_CID No.: 729

Supplier: Sigma Aldrich
Lot No.: BCBB9994
MW: 268.35 g/mol

Date of Analysis: 18 July 2016

Purity and Identity Results:

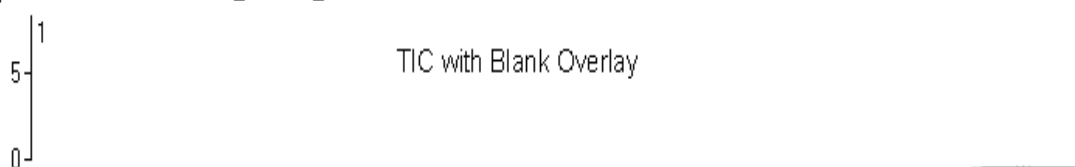
| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|--------------------|----------------------|------------------------------------|
| Diethylstilbestrol | 44.85 | 100.00 |

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

GC/MS Instrument Parameters:

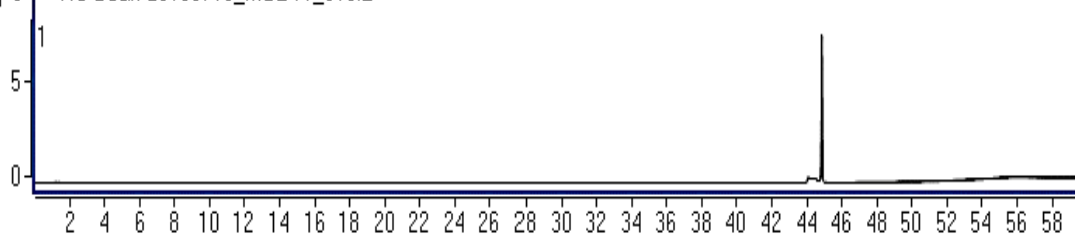
| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Methanol |
| Column | Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μ m film thickness |
| Carrier Gas | Helium at 2.0 mL/min |
| Oven Program | 50°C, hold 2 min; ramp @ 5°C/min to 315°C, hold 5 min |
| Source Temperature | 230°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 40 – 475 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / Split (5:1) |
| 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 20160718_MSD11_007.D



TIC with Blank Overlay

x10⁶ + TIC Scan 20160718_MSD11_015.D



Counts vs. Acquisition Time (min)

