

Chemical Information:

Name: Acenaphthenequinone
CAS No.: 82-86-0
Tox21_ID No.: Tox21_202947
NTP_CID No.: 6572
Supplier: Sigma Aldrich
Lot No.: MKAA3388V
MW: 182.17 g/mol

Date of Analysis: 16 March 2017

Purity and Identity Results:

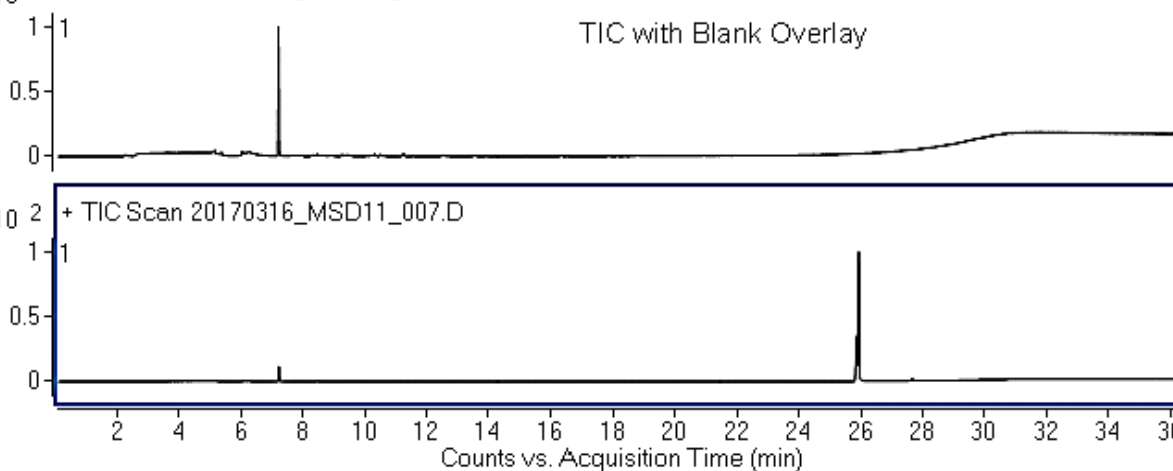
| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|---------------------|----------------------|------------------------------------|
| Acenaphthenequinone | 25.92 | 97.75 |
| Unknown | 27.65 | 2.25 |

^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 1.0 mL/min |
| Oven Program | 35°C, hold 2 min; ramp @ 10°C/min to 310°C, hold 7 min |
| Source Temperature | 250°C |
| Auxiliary Temperature | 250°C |
| Scan Range | 40 – 655 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 |

x10² + TIC Scan 20170316_MSD11_006.D



x10² + TIC Scan 20170316_MSD11_007.D

