

Chemical Information:

Name: 1,3-Isobenzofurandione, 3a,4,7,7a-tetrahydro-
CAS No.: 85-43-8 Supplier: Chem Service, Inc.
Tox21_ID No.: Tox21_202210 Lot No.: 437-59B
NTP_CID No.: 2560 MW: 152.15 g/mol

Date of Analysis: 04 October 2016

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|--|----------------------|------------------------------------|
| Acetone | 2.00 | Not applicable |
| 1,3-Isobenzofurandione, 3a,4,7,7a-tetrahydro- ^b | 24.59 | 71.35 |
| 1,3-Isobenzofurandione, 3a,4,7,7a-tetrahydro- ^b | 30.07 | 27.42 |
| Unknown | 33.59 | 0.88 |

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

^b Two components were identified as 1,3-isobenzofurandione, 3a,4,7,7a-tetrahydro-; due to the limited scope of the analysis, the purity is reported as the total of the two components, 98.77%. Results are tentative.

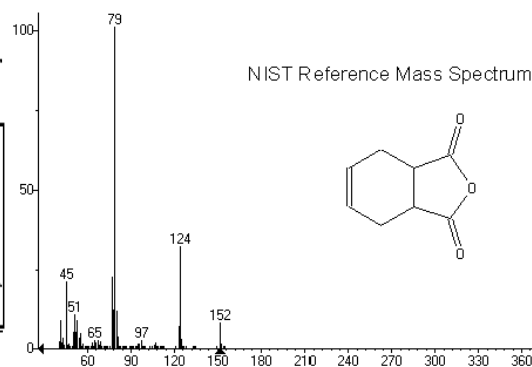
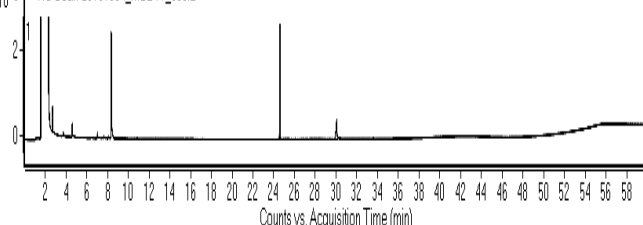
GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Acetone (~ 100 $\mu\text{g/mL}$) |
| Column | Restek Rtx-5MS with Integra-Guard, 30 m x 0.25 mm ID, 1- μm 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 | 40 – 475 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μL / 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 |

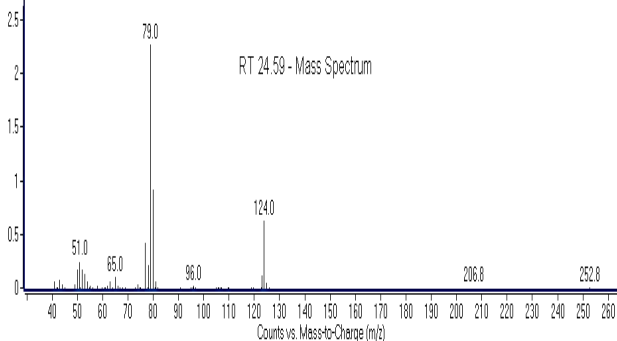
x10⁶ + TIC Scan 20161004_MSD11_003.D

TIC with Blank Overlay

x10⁶ + TIC Scan 20161004_MSD11_055.D



x10⁵ 1,3-Isobenzofurandione, 3a,4,7,7a-tetrahydro- + Scan (rt 24.59-24.723 min, 44 scans) 20161004_MSD11_055.D



x10⁴ (replb) 1,3-Isobenzofurandione, 3a,4,7,7a-tetrahydro- + Scan (rt 29.852-30.214 min, 73 scans) 20161004_MSD11_055.D

