

Chemical Information:

Name: Undecanal
CAS No.: 112-44-7
Tox21_ID No.: Tox21_200538
NTP_CID No.: 5042

Supplier: Sigma-Aldrich
Lot No.: 35399MJ
MW: 170.29 g/mol

Date of Analysis: 30 September 2009

Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|---------------|----------------------|------------------------------------|
| unknown | 12.78 | 0.95 |
| Undecanal | 13.37 | 99.05 |

^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 | J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- 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 | 230°C |
| Auxiliary Temperature | 150°C |
| Scan Range | 25 – 500 amu |
| Injector Temperature | 250°C |
| Injection Volume / Mode | 1 μ L / Split (100:1) |
| Data Analysis Software | MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008 |

