

### Chemical Information:

Name: n-Heptanal  
CAS No.: 111-71-7  
Tox21\_ID No.: Tox21\_202173  
NTP\_CID No.: 1044

Date of Analysis: 09 November 2009  
Supplier: Spectrum Chemical Mfg. Corp.  
Lot No.: XF0633  
MW: 114.19 g/mol

### Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|---------------|----------------------|------------------------------------|
| n-Heptanal    | 6.95                 | 100.00                             |

<sup>a</sup> Peaks comprising  $\geq 0.5\%$  of total area.

### GC/MS Instrument Parameters:

|                         |   |
|-------------------------|---|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact              |
| Solvent                 | Dichloromethane   |
| Column                  | J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- $\mu$ 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 $\mu$ L / Split (100:1)   |
| Data Analysis Software  | MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008 |

