

### Chemical Information:

Name: Benzene, 1-chloro-4-(trichloromethyl)-  
CAS No.: 5216-25-1  
Tox21\_ID No.: Tox21\_201845  
NTP\_CID No.: 3092

Date of Analysis: 07 July 2009

Supplier: Sigma-Aldrich  
Lot No.: 08715AJ  
MW: 229.92 g/mol

### Purity and Identity Results:

| Peak Identity                          | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|--|----------------------|------------------------------------|
| Benzene, 1-chloro-4-(trichloromethyl)- | 14.75                | 100.00                             |

<sup>a</sup> Peaks comprising ≥ 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-μm 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   | 250°C   |
| Scan Range              | 25 – 500 amu  |
| Injector Temperature    | 250°C   |
| Injection Volume / Mode | 1 μL / Split (100:1)  |
| Run Time                | 36.5 minutes  |
| Data Analysis Software  | MSD Chemstation, v D.03.00.SP1 and NIST Library v 2.0f, build 10/8/2008 |

