

### Chemical Information:

Name: Trimethylphosphate  
CAS No.: 512-56-1  
Tox21\_ID No.: Tox21\_201576  
NTP\_CID No.: 4812

Supplier: Sigma-Aldrich  
Lot No.: 06825HJ  
MW: 140.07 g/mol

Date of Analysis: 29 July 2009

### Purity and Identity Results:

| Peak Identity      | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|--------------------|----------------------|------------------------------------|
| Trimethylphosphate | 6.82                 | 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                 | Ethanol (~ 400 µg/mL)  |
| 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      | 250°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  | Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008    |

