

### Chemical Information:

Name: 2,4-Dichlorophenoxyacetic acid  
CAS No.: 94-75-7 Supplier: Sigma-Aldrich  
Tox21\_ID No.: Tox21\_201751 Lot No.: 1349258  
NTP\_CID No.: 167 MW: 221.04 g/mol

Date of Analysis: 15 June 2009

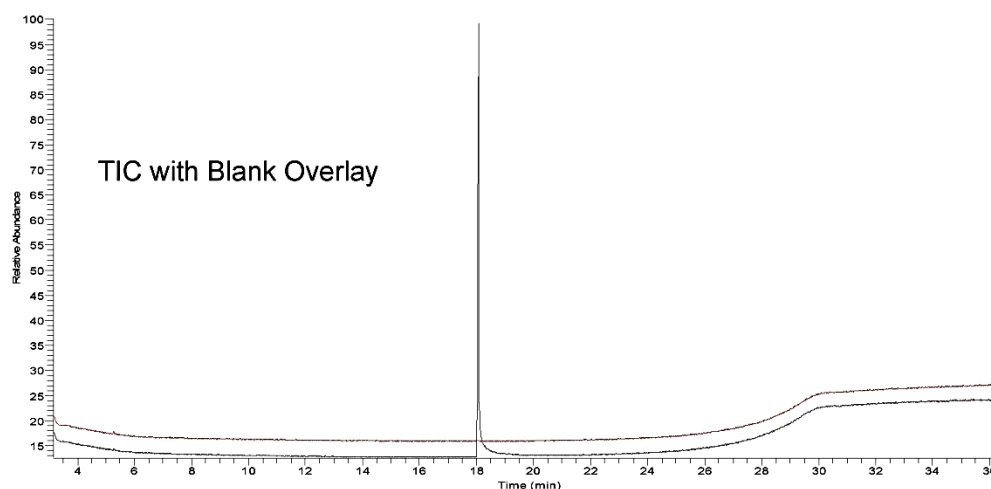
### Purity and Identity Results:

| Peak Identity                  | Retention Time (min) | Purity (% Total Area) <sup>a</sup> |
|--------------------------------|----------------------|------------------------------------|
| 2,4-Dichlorophenoxyacetic acid | 18.07                | 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                 | Chloroform   |
| 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      | 250°C  |
| Auxiliary Temperature   | 250°C  |
| Scan Range              | 25 – 500 amu   |
| Injector Temperature    | 250°C  |
| Injection Volume / Mode | 1 $\mu$ L / Split (100:1)  |
| Run Time                | 36.5 minutes   |
| Data Analysis Software  | Xcalibur, v 1.2 and NIST Library v 2.0, build 7/23/2008                |



09/15/04 #1768 RT: 18.06 AC: 1.55 155 17.28-17.89 19.17-19.88 NL: 6.43E5  
T: (0.0) + (-0.0) run=350.00 Full.ms [25.00-500.00]

