

### Chemical Information:

Name: Picloram  
CAS No.: 1918-02-1  
Tox21\_ID No.: Tox21\_200043  
NTP\_CID No.: 1199

Supplier: Sigma-Aldrich  
Lot No.: 6226X  
MW: 241.48 g/mol

Date of Analysis: 12 November 2010

### Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
unknown	14.87	0.68
unknown	15.00	2.81
Picloram	15.89	95.20
unknown	17.64	1.16

<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 200°C, hold 0 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	15 – 500 amu
Injector Temperature	250°C
Injection Volume / Mode	5 $\mu$ L / Splitless
Data Analysis Software	Xcalibur ver 1.2, and NIST Library ver 2.0f, build 10/08/2008

