

# Chemical Information:

Name: Trifluralin  
CAS No.: 1582-09-8  
Tox21\_ID No.: Tox21\_201352  
NTP\_CID No.: 1376

Supplier: Chem Service Inc  
Lot No.: 340-116A  
MW: 335.28 g/mol

Date of Analysis: 07 February 2008

## Purity and Identity Results:

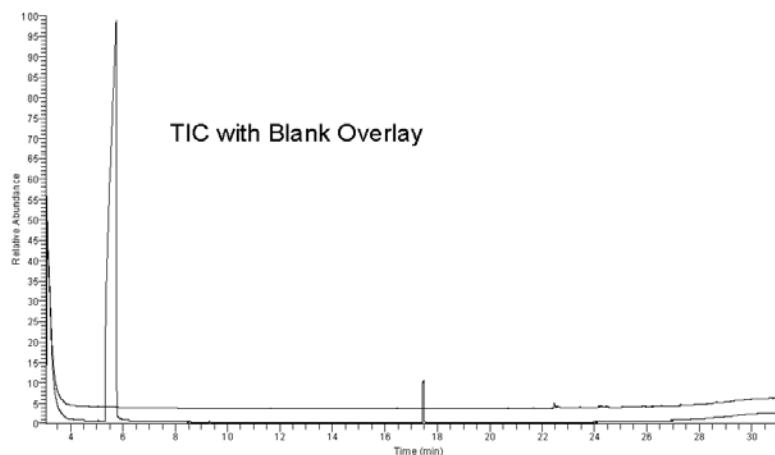
Peak Identity	Retention Time (min)	Purity (% Total Area) <sup>a</sup>
DMSO	5.76	Not applicable
Trifluralin	17.46	99.36

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

## GC/MS Instrument Parameters:

Instrument / Ionization	Gas Chromatograph / Mass Spectrometer / Electron Impact
Solvent	Dichloromethane (100 mM in DMSO, diluted 1/1000 with 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 2 min
Source Temperature	250°C
Auxiliary Temperature	250°C
Scan Range	35 – 450 amu
Injector Temperature	250°C
Injection Volume / Mode	2 $\mu$ L / Splitless
Run Time	31.5 minutes
Data Analysis Software	Xcalibur, v 1.2 and NIST Library v 1.7, build 11/5/1999

RT: 3.05 - 31.49 SM: 30



DB0770 #1734 RT: 17.46 RI: 5.51E5  
T: (2.0) - C: EI det: 250.30 Full ms (35.30-450.0)

