

Chemical Information:

Name: Bromoxynil octanoate
CAS No.: 1689-99-2 Supplier: Sigma-Aldrich
Tox21_ID No.: Tox21_201068 Lot No.: 5082X
NTP_CID No.: 2124 MW: 403.11 g/mol

Date of Analysis: 14 December 2009

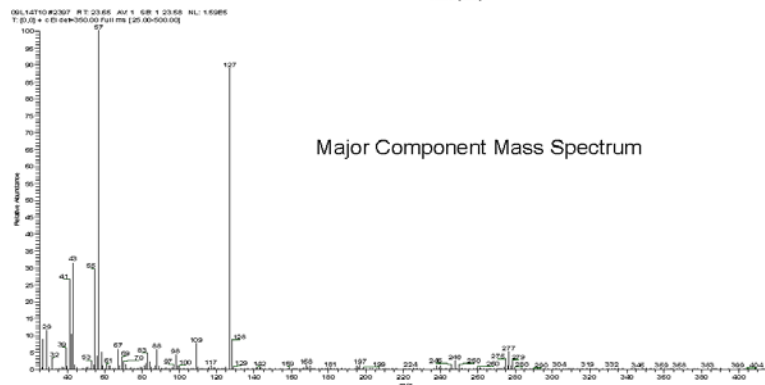
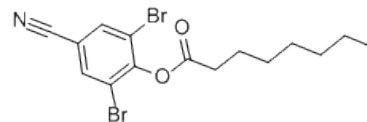
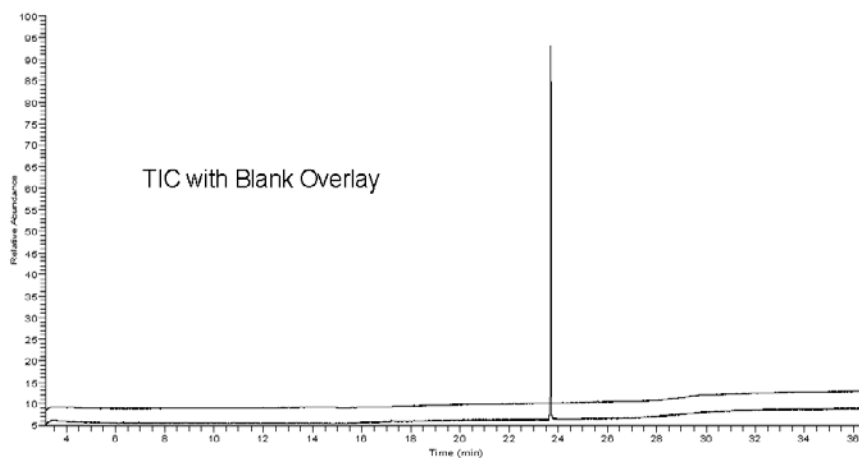
Purity and Identity Results:

| Peak Identity | Retention Time (min) | Purity (% Total Area) ^a |
|----------------------|----------------------|------------------------------------|
| Bromoxynil octanoate | 23.68 | 100.00 |

^a Peaks comprising $\geq 0.5\%$ of total area.

GC/MS Instrument Parameters:

| | |
|-------------------------|--|
| Instrument / Ionization | Gas Chromatograph with Mass Spectrometer / Electron Impact |
| Solvent | Dichloromethane (~ 1 mg/mL) |
| Column | J&W Scientific HP-5MS, 30 m x 0.25 mm ID, 0.25- μ 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 μ L / Split (100:1) |
| Data Analysis Software | Xcalibur, ver 1.2 and NIST Library ver 2.0f, build 10/08/2008 |



| m/z | Mass ion / Fragment |
|---------------|---|
| 403 | C ₁₅ H ₁₇ Br ₂ NO ₂ |
| 275, 277, 279 | C ₇ H ₃ Br ₂ NO |
| 246, 248, 250 | C ₆ H ₂ Br ₂ N |
| 127 | C ₈ H ₁₅ O |
| 57 | C ₄ H ₉ |
| 43 | C ₃ H ₇ |
| 29 | C ₂ H ₅ |