

Chemical Information:

Name: Demeton o,s
CAS No.: 8065-48-3
Tox21_ID No.: Tox21_200239
NTP_CID No.: 2082

Supplier: Chem Service
Lot No.: 415-42B
MW: 258.34 g/mol

Date of Analysis: 10 December 2009

Purity and Identity Results:

Peak Identity	Retention Time (min)	Purity (% Total Area) ^a	Peak Identity	Retention Time (min)	Purity (% Total Area) ^a
unknown	6.45	1.07	Demeton o	16.53	28.03
unknown	7.92	0.81	unknown	17.37	3.60
unknown	12.25	1.08	Demeton s	17.83	63.51

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

Mixture of isomers per CoA; 28.2% O and 65.2% S.

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- 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, v 1.2 and NIST Library v 2.0f, build 10/08/2008

