

**NON-CARCINOGENS**

CAS #: 107028

**Substance: Acrolein**

Crit. or 2nd Val: Criteria

	ADE (mg/Kg/d)	Base. BAF* (@100% lipid)	Fr.Free.Diss. f_fd	Max. Cont. Level (MCL-mg/L)
	0.0005	7146	1	na
<b>Public Water</b>		<b>Non. Pub. wat.</b>		
<b>Supply</b>	<b>mg/L</b>	<b>Supply</b>	<b>mg/L</b>	
WWFAL	0.00722	WWFAL	0.0148	
CW	0.00337	CW	0.00443	
GL	0.00343	LFF	0.0148	
		LAL	2.80	

\* BAF is normalized to 100% lipid, and is representative of trophic level 4

ADE reference: MI. DNR report, 1/96 (GLWQI Chems. of Initial Focus Data Eval.)  
 Source: ATSDR Tox. Profile, 1990 for an RfD=.0005

BAF reference: Option C was used for BBAF generation  
 Source: Derivation of BAF for GLI (draft), Stephan, 1993  
 Generated using logKow=0.5,FCM=1, BCF=344, %lipid=4.8

If f\_fd is to be generated from K-ow, use  $1/(1+(.00000024 \text{ kg/L})(K-ow))$ :

K-ow	Calculated ff_D
3.2	1.000

