

CARCINOGEN		CAS #:	107131	
Substance:	Acrylonitrile			
Crit. or 2nd Val.:	Criteria			
		Base. BAF*	Fr.Free.Diss.	Max. Cont. Level
	RAD (mg/Kg/d)	(@100% lipid)	f_fd	(MCL - mg/L)
	0.0000185	979	1	na
Public Water		Non. Pub. wat.		
Supply	mg/L	Supply	mg/L	
WWFAL	5.69E-04	WWFAL	4.55E-03	
CW	4.49E-04	CW	1.45E-03	
GL	4.52E-04	LFF	4.55E-03	
		LAL	0.130	
* Baseline BAF is normalized to 100% lipid.				
RAD reference:	MI. DNR report, 1/96 (GLWQI Chems. of Initial Focus Data Eval.)			
Source:	IRIS as of 4-96 (q=.54)			
BAF reference:	Option C used for BAF generation			
Source:	Derivation of BAF for GLI (draft), Stephan, 1993			
	Generated using FCM=1, logKow=.24, BCF=48, %lipid=4.8			
If f_fd is to be generated from K-ow, use $1/(1+(.00000024 \text{ kg/L})(K\text{-ow}))$:				
	K-ow	Calculated ff_D		
	1.7	1.000		