

US EPA ARCHIVE DOCUMENT

Table CO7. Results for All Cohorts: Surface Impoundments - unitless

Surface Impoundments - 2000m		Scenario 1						Scenario 2									
		10-6 99% Pop		95% Prob		HH (0.1)		Eco (1)		10-6 99% Pop		90% Prob		HH (1)		Eco (1)	
		Infants		1-12 yrs old		13 yrs old & older		Infants		1-12 yrs old		13 yrs old & older		Infants		1-12 yrs old	
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	NA	NA	= 4E-06,(ing)	= 5E-02,(ing)	= 1E-06,(ing)	< 1E-01,(inh)	NA	NA	= 1E-06,(ing)	< 1E-01,(inh)	= 1E-06,(ing)	< 1E-01,(inh)	= 1E-06,(ing)	< 1E-01,(inh)	= 1E-06,(ing)	< 1E-01,(inh)
Benzene	71-43-2	NA	NA	= 1E-06,(cmb)	note 3	< 1E-06,(cmb)	note 3	NA	NA	= 7E-07,(cmb)	note 3	< 1E-06,(cmb)	note 3	< 1E-06,(cmb)	note 3	< 1E-06,(cmb)	note 3
Pentachlorophenol	87-86-5	NA	NA	= 3E-06,(ing)	< 1E-01,(inh)	= 9E-07,(ing)	< 1E-01,(inh)	NA	NA	< 1E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)
Mercury	7439-97-6	NA	NA	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	NA	NA	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)
Lead	7439-92-1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1
		Scenario 3						Scenario 4									
		10-5 99% Pop		90% Prob		HH (1)		Eco (1)		10-5 95% Pop		90% Prob		HH (1)		Eco (10)	
		Infants		1-12 yrs old		13 yrs old & older		Infants		1-12 yrs old		13 yrs old & older		Infants		1-12 yrs old	
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	NA	NA	= 7E-06,(ing)	< 1E-01,(ing)	= 7E-06,(ing)	= 2E-01,(ing)	NA	NA	= 1E-05,(ing)	= 2E-01,(ing)	= 1E-05,(ing)	= 2E-01,(ing)	= 1E-05,(ing)	= 2E-01,(ing)	= 1E-05,(ing)	= 2E-01,(ing)
Benzene	71-43-2	NA	NA	= 9E-06,(cmb)	note 3	= 8E-06,(cmb)	note 3	NA	NA	< 1E-05,(cmb)	note 3	< 1E-05,(cmb)	note 3	< 1E-05,(cmb)	note 3	< 1E-05,(cmb)	note 3
Pentachlorophenol	87-86-5	NA	NA	< 1E-06,(ing)	< 1E-01,(inh)	< 1E-06,(ing)	< 1E-01,(inh)	NA	NA	< 1E-08,(ing)	< 1E-01,(inh)	< 1E-08,(ing)	< 1E-01,(inh)	< 1E-08,(ing)	< 1E-01,(inh)	< 1E-08,(ing)	< 1E-01,(inh)
Mercury	7439-97-6	NA	NA	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	NA	NA	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)	note 2	< 1E-01,(inh)
Lead	7439-92-1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1	note 1

- note 1: Human impacts were not evaluated due to the lack of human health toxicity values.
- note 2: The risk was not calculated for this chemical because the chemical did not have a cancer slope factor.
- note 3: The hazard was not calculated for this chemical because it did not have a noncancer reference dose or reference concentration.
- NA: Not Applicable