

US EPA ARCHIVE DOCUMENT

Table SP4. Results by Sub-Populations - Landfills

Landfills - 2000m		Protection Group 1									
		10-6		99% Pop		95% Prob		HH (0.1)		Eco (1)	
		Beef/Dairy Farmer		Gardener		Fisher		Resident			
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 3E-05,(ing)	= 8E-01,(ing)	< 1E-06,(ing)	< 1E-01,(inh)	= 9E-07,(ing)	< 1E-01,(inh)	= 1E-06,(ing)	< 1E-01,(inh)		
Benzene	71-43-2	= 6E-05,(cmb)	note 3	< 1E-06,(cmb)	note 3	= 1E-06,(cmb)	note 3	= 4E-07,(cmb)	note 3		
Pentachlorophenol	87-86-5	= 6E-06,(ing)	= 2E-02,(ing)	= 3E-07,(ing)	< 1E-01,(inh)	= 2E-07,(ing)	< 1E-01,(inh)	= 2E-07,(ing)	< 1E-01,(inh)		
Mercury	7439-97-6	note 2	= 7E-02,(ing)	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		

		Protection Group 2									
		10-6		99% Pop		90% Prob		HH (1)		Eco (1)	
		Beef/Dairy Farmer		Gardener		Fisher		Resident			
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 8E-06,(ing)	= 6E-01,(ing)	< 1E-06,(ing)	< 1E-01,(inh)	= 6E-07,(ing)	< 1E-01,(inh)	= 9E-07,(ing)	< 1E-01,(inh)		
Benzene	71-43-2	= 7E-05,(cmb)	note 3	< 1E-06,(cmb)	note 3	= 1E-06,(cmb)	note 3	= 3E-07,(cmb)	note 3		
Pentachlorophenol	87-86-5	= 7E-06,(ing)	= 4E-02,(ing)	= 8E-07,(ing)	< 1E-01,(inh)	= 6E-07,(ing)	< 1E-01,(inh)	= 6E-07,(ing)	< 1E-01,(inh)		
Mercury	7439-97-6	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		

Landfills - 2000m - by Sub-Populations		Protection Group 3									
		10-5		99% Pop		90% Prob		HH (1)		Eco (1)	
		Beef/Dairy Farmer		Gardener		Fisher		Resident			
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	= 7E-05,(ing)	= 7E+00,(ing)	= 2E-05,(ing)	= 5E-01,(ing)	= 8E-06,(ing)	= 3E-01,(ing)	= 9E-06,(ing)	= 3E-01,(ing)		
Benzene	71-43-2	< 1E-04,(cmb)	note 3	< 1E-05,(cmb)	note 3	< 1E-05,(cmb)	note 3	< 1E-06,(cmb)	note 3		
Pentachlorophenol	87-86-5	= 2E-05,(ing)	= 3E-01,(ing)	= 4E-06,(ing)	< 1E-01,(inh)	= 1E-06,(ing)	< 1E-01,(inh)	= 1E-06,(ing)	< 1E-01,(inh)		
Mercury	7439-97-6	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		

		Protection Group 4									
		10-5		95% Pop		90% Prob		HH (1)		Eco (10)	
		Beef/Dairy Farmer		Gardener		Fisher		Resident			
Chemical Name	CASRN	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ	Risk	HQ
Acrylonitrile	107-13-1	< 1E-04,(ing)	< 1E+01,(ing)	< 1E-05,(ing)	< 1E-01,(ing)	< 1E-05,(ing)	< 1E-01,(ing)	< 1E-05,(ing)	< 1E-01,(ing)		
Benzene	71-43-2	< 1E-04,(cmb)	note 3	< 5E-07,(cmb)	note 3	< 5E-07,(cmb)	note 3	< 1E-08,(cmb)	note 3		
Pentachlorophenol	87-86-5	= 9E-05,(ing)	= 7E+00,(ing)	= 8E-06,(ing)	< 1E-01,(inh)	= 2E-06,(ing)	< 1E-01,(inh)	= 8E-06,(ing)	< 1E-01,(inh)		
Mercury	7439-97-6	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: 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
- No Curve: For this chemical, inhalation and ingestion pathways are not additive.