

ATTACHMENT A

Chemical-Specific Permeability Factors

ATTACHMENT A
 INTERMEDIATE VARIABLES FOR CALCULATING DERMAL EXPOSURE
 Elizabeth Mine

Timeframe	Receptor	Exposure Point	Chemical	Dermal Absorption Fraction (soil and sediment)	Kp (surface water and groundwater)	
					Value	Units
All	All	All	Aluminum	-	0.001	cm/hr
			Antimony	-	0.001	cm/hr
			Arsenic	0.03	0.001	cm/hr
			Barium	0.001	0.001	cm/hr
			Beryllium	-	-	cm/hr
			Cadmium	-	0.001	cm/hr
			Cobalt	-	0.0004	cm/hr
			Copper	-	0.001	cm/hr
			Iron	-	0.001	cm/hr
			Lead	-	0.0001	cm/hr
			Manganese	-	0.001	cm/hr
			Mercury, Salts	-	0.001	cm/hr
			Molybdenum	-	-	cm/hr
			Nickel	-	0.0002	cm/hr
			Selenium	-	0.001	cm/hr
			Silver	-	0.0006	cm/hr
			Strontium	-	-	cm/hr
			Thallium sulfate	-	0.001	cm/hr
			Vanadium	-	0.001	cm/hr
			Zinc	-	0.0006	cm/hr
Aroclor-1260	0.14	-	cm/hr			

Kp – Dermal permeability coefficient of compounds in water