

Table 1

**HUMAN HEALTH RISK-BASED CONCENTRATIONS
ROSS ISLAND SAND & GRAVEL CO.**

COPC	Surface Soil		Subsurface Soil		Surface Water, Occ		Surface Water, Rec		Surface Sediment	
	RBC (mg/kg)	Driver	RBC (mg/kg)	Driver	RBC (µg/L)	Driver	RBC (µg/L)	Driver	RBC (mg/kg)	Driver
2-Methylnaphthalene	900	NC	9000	NC	N/A		N/A		0.05	NC
4,4'-DDT	0.3	C	560	NC	0.004	C	0.01	C	0.0006	C
Ammonia as Nitrogen	N/A		N/A		N/A		N/A		N/A	
Aroclor 1254	0.3	C	9	NC	0.0007	C	0.0014	C	0.00011	C
Aroclor 1260	0.3	C	9	NC	N/A		N/A		0.00014	C
Arsenic	0.3	C	270	NC	1.3	C	0.5	C	0.0017	C
Benzo(a)anthracene	0.9	C	550	C	N/A		N/A		0.0001	C
Benzo(a)pyrene	0.1	C	55	C	0.0001	C	0.0001	C	0.000087	C
Benzo(b)fluoranthene	1	C	600	C	N/A		N/A		0.00009	C
Benzo(k)fluoranthene	8.9	C	5500	C	N/A		N/A		0.001	C
Cadmium	120	NC	800	NC	10	NC	10	NC	0.00003	NC
Calcium	N/A		N/A		N/A		N/A		N/A	
Chrysene	100	C	55000	C	N/A		N/A		0.01	C
Dibenz(a,h)anthracene	0.09	C	55	C	N/A		N/A		0.000009	C
Dieldrin	0.04	C	30	NC	N/A		N/A		0.000006	C
Fluoranthene	1880	NC	19000	NC	4.8	NC	N/A		0.1	NC
gamma-Chlordane	N/A		500	NC	N/A		N/A		N/A	
Indeno(1,2,3-cd)pyrene	0.89	C	550	C	N/A		N/A		0.00009	C
Lead	1200	NC	4800	NC	150	NC	56	NC	70	NC
Magnesium	N/A		N/A		N/A		N/A		N/A	
Mercury	N/A		N/A		1	NC	1	NC	N/A	
Naphthalene	880	NC	9000	NC	14	NC	14	NC	0.05	NC
Nickel	4500	NC	25000	NC	750	NC	300	NC	3	NC
Phenanthrene	840	NC	9000	NC	5	NC	N/A		0.05	NC
Silver	1200	NC	6000	NC	N/A		N/A		0.007	NC
Sodium	N/A		N/A		N/A		N/A		N/A	
Tri-n-butyltin Ion	N/A		N/A		0.08	NC	0.08	NC	N/A	
Zinc	N/A		N/A		70	NC	70	NC	N/A	

C = Carcinogenic risk drives the development of the RBC.

NC = Noncarcinogenic risk drives the development of the RBC.

N/A = Not applicable because the chemical was not a COPC in the given medium except for ammonia as nitrogen (no toxicity data for complete exposure pathways) and calcium, magnesium, and sodium (essential nutrients).

RBC = Risk-based concentration for protection of human health.