

APPENDIX A

Table 5 – Physical and Toxicological Properties

B. Inorganic Regulated Substances

Regulated Substance	CAS	RfDo (mg/kg-d)	CSFo (mg/kg-d) ⁻¹	[RfDi (mg/kg-d)] RfC (mg/m ³) ⁻¹	[CSFi (mg/kg-d) ⁻¹] IUR (µg/m ³) ⁻¹	Kd
ALUMINUM	7429-90-5	1 [N] P		[0.001] 0.005 [N] P		9.9
ANTIMONY	7440-36-0	0.0004 I		[0.0004] [Ir]		45
ARSENIC	7440-38-2	0.0003 I	1.5 I	[0.0003] [Ir] 0.000015 C	[15] 0.0043 I	29
BARIUM AND COMPOUNDS	7440-39-3	[0.07] 0.2 I		[0.0001] 0.0005 H		41
BERYLLIUM	7440-41-7	0.002 I		[0.00000571] 0.00002 [Ir] I	[8.4] 0.0024 I	790
BORON AND COMPOUNDS	7440-42-8	[0.09] 0.2 I		[0.0057] 0.02 H		3
CADMIUM	7440-43-9	0.0005 I	[0.38] [C]	[0.0005] [Ir] 0.00001 D	[6.3] 0.0018 I	75
CHROMIUM III	16065-83-1	1.5 I				1,800,000
CHROMIUM VI	18540-29-9	0.003 I		[0.00003] 0.000008 I	[42] 0.084 I	19
COBALT	7440-48-4	[0.02] 0.0003 [N] P		[0.0000057] [D] 0.000006 P	0.009 P	45
COPPER	7440-50-8	[0.0371] 0.037 H				[360] 430
CYANIDE, FREE	57-12-5	0.02 I		[0.02] [Ir]		9.9
FLUORIDE	16984-48-8	0.04 C		0.013 C		
IRON	7439-89-6	[0.3] 0.7 [N] P		[0.3] [Nr]		25
LEAD	7439-92-1		0.0085 C		[0.042] 0.000012 C	[890] 900
LITHIUM	7439-93-2	0.002 P				300
MANGANESE	7439-96-5	[0.14] 0.047 I		[0.0000143] 0.00005 I		65
MERCURY	7439-97-6	[0.0003] [M] 0.00016 C		[0.000086] 0.0003 I		52
MOLYBDENUM	7439-98-7	0.005 I				20
NICKEL	7440-02-0	0.02 I		[0.000057] 0.00009 D	[0.84] 0.00024 Is	65
NITRATE NITROGEN	14797-55-8	1.6 I				
NITRITE NITROGEN	14797-65-0	0.1 I				
PERCHLORATE	7790-98-9	0.0007 I				0
SELENIUM	7782-49-2	0.005 I		[0.005] 0.02 [Ir] C		5
SILVER	7440-22-4	0.005 I		[0.005] [Ir]		8.3
THALLIUM	7440-28-0	0.00007 I		[0.00007] [Ir]		71
TIN	7440-31-5	0.6 H		[0.6] [Hr]		250
VANADIUM	7440-62-2	0.007 H		[0.000057] [D]		1,000
ZINC	7440-66-6	0.3 I		[0.3] [Ir]		62

Toxicity Value Sources:

C = California EPA Cancer Potency Factor

D = ATSDR Minimal Risk Level

H = Health Effects Assessment Summary Table (HEAST)

I = Integrated Risk Information System (IRIS)

[M = EPA Drinking Water Regulations and Health Advisories]

[N = EPA NCEA Provisional Values]

[r = route-to-route extrapolation]

P = EPA Provisional Peer-Reviewed Toxicity Value

s = surrogate