POTENTIAL ARAR VALUES FOR SURFACE WATER

Compound Detected[e]	Washington State Model Toxics Control Act WAC 173-340-720[a] Method B (Surface Water), μg/L		Washington State Surface Water Quality Standards WAC 173-201A Freshwater[c]		Minimum Value[d], μg/L
	Carcinogenic	Non-carcinogenic	Acute, μg/L	Chronic, μg/L	
METALS					
Aluminum					-
Antimony		1040			1040
Arsenic	0.0842	17.7	360	190	0.0842
Barium					-
Beryllium	0.0793	682			0.0793
Cadmium		20.3	4.5	3.6	3.6
Calcium					-
Chromium		810[b]	1571.5	275.3	275.3
Cobalt					-
Copper		2660	32.0	22.8	22.8
Iron					-
Lead			91.0	1.5	1.5
Magnesium					-
Manganese					-
Mercury			2.4	0.012	0.012
Nickel		1100	1443.3	225.0	225
Potassium					-
Selenium			20	5	5
Silicon					-
Silver		25900	0.1		0.1
Sodium					-
Thallium		1.56			1.56
Vanadium					-
Zinc		16500	164.5	151.3	151.3
GENERAL CHEMISTRY					
pH					-
Carbonate, μg/L $CaCO_3$					-
Bicarbonate, μg/L CaCO3					-
Hardness, μg/L CaCO3					-
Conductivity, μmhos/cm					-
TDS, μg/L					-
Turbidity, NTU					-
Fluoride					-
Chloride			860000.0	230000.0	230000
Nitrate (as N)					-
Nitrite (as N)					-
Sulfate					-
ORGANICS					
Diethylphthalate		28400		-	28400
Analysis 524.2					
1,1-Dichloroethane					-

[a] Cleanup levels based on the January 1995 Update to the MTCA Cleanup Levels and Risk Calculations (CLARC II) Database (W

[b] Assumes Cr(VI).

[c] Freshwater criteria for Cd, Cr, Cu,Pb, Ni, Ag, and Zn based on an assumed hardness of 200 mg/L - $CaCO_3$.

[d] Utilized in Chapter 5 for comparison to ARARs.

[e] Compounds detected in this RI (See Chapter 5).