

Appendix A Conversion Factors for Metals Criteria

The following conversion factors are to be multiplied by total recoverable criteria to obtain dissolved fraction criteria. Dissolved metals are those which will pass through a 0.45 micron filter, immediately following sample collection and before preservation.

Metal:	Arsenic	Cadmium	Chromium (III)	Chromium (VI)	Copper
Acute Criterion Factor	1.000	1.136672-[(ln hardness) (0.041838)]	0.316	0.982	0.960
Chronic Criterion Factor	1.000	1.101672-[(ln hardness) (0.041838)]	0.860	0.962	0.960

Metal:	Lead	Mercury	Nickel	Selenium
Acute Criterion Factor	1.46203-[(ln hardness) (0.145712)]	0.85	0.998	0.922
Chronic Criterion Factor	1.46203-[(ln hardness) (0.145712)]	0.85	0.997	0.922

Metal:	Silver	Zinc
Acute Criterion Factor	0.85	0.978
Chronic Criterion Factor	Not available	0.986

Conversion factors from Nationally Recommended Water Quality Criteria for Priority Toxic Pollutants, U.S. EPA, 1999, Appendix A.