Constituent	AS (µg/L)	CS (µg/L)
Arsenic (trivalent, dissolved)	360 x 1.0* = 360	190 x 1.0* = 190
Boron (total)	40,100	7,600

Cadmium (dissolved)	$e^{A+B\ln(H)} \times \left\{1.138672 - [(\ln(H))(0.041838)]\right\}$* where A = -2.918 and B = 1.128	$e^{A+B\ln(H)} \times \left\{1.101672 - [(\ln(H))(0.041838)]\right\}$* where A = -3.490 and B = 0.7852
Chromium (hexavalent, total)	16	11
Chromium (trivalent, dissolved)	$e^{A+B\ln(H)} \times 0.316$* where A = 3.688 and B = 0.8190	$e^{A+B\ln(H)} \times 0.860$* where A = 1.561 and B = 0.8190
Copper (dissolved)	$e^{A+B\ln(H)} \times 0.960$* where A = -1.464 and B = 0.9422	$e^{A+B\ln(H)} \times 0.960$* where A = -1.465 and B = 0.8545
Cyanide**	22	5.2
Fluoride (total)	$e^{A+B\ln(H)}$ where A = 6.7319 and B = 0.5394	$e^{A+B\ln(H)}$, but must~~shall~~ not exceed 4.0 mg/L where A = 6.0445 and B = 0.5394
Lead (dissolved)	$e^{A+B1n(H)} \times \left\{1.46203 - [(\ln(H))(0.145712)]\right\}$* where A = -1.301 and B = 1.273	$e^{A+B1n(H)} \times \left\{1.46203 - (1n(H))(0.145712)\right\}$* where A = -2.863 and B = 1.273
Manganese (dissolved)	$e^{A+B\ln(H)} \times 0.9812$*	$e^{A+B\ln(H)} \times 0.9812$*

	where A = 4.9187 and B = 0.7467	where A = 4.0635 and B = 0.7467
Mercury (dissolved)	2.6 x 0.85* = 2.2	1.3 x 0.85* = 1.1
Nickel (dissolved)	$e^{A+B\ln(H)} \times 0.998*$	$e^{A+B\ln(H)} \times 0.997*$
	where A = 0.5173 and B = 0.8460	where A = -2.286 and B = 0.8460
TRC	19	11
Zinc (dissolved)	$e^{A+B\ln(H)} \times 0.978*$	$e^{A+B\ln(H)} \times 0.986*$
	where A = 0.9035 and B = 0.8473	where A = -0.4456 and B = 0.8473
Benzene	4200	860
Ethylbenzene	150	14
Toluene	2000	600
Xylene(s)	920	360

where:

µg/L	=	microgram per liter
e^x	=	base of natural logarithms raised to the x-power
ln(H)	=	natural logarithm of hardness (in mg/L as $CaCO_3$)~~Hardness~~
*	=	conversion factor multiplier for dissolved metals
**	=	standard to be evaluated using either of the following USEPA approved methods, incorporated by reference at 35 Ill. Adm. Code 301.106: Method OIA-1677, DW: Available Cyanide by

Flow Injection, Ligand Exchange, and Amperometry, January 2004, Document Number EPA-821-R-04-001 or Cyanide Amenable to Chlorination, Standard Methods 4500-CN-G (40 CFR 136.3)