

DRAFT - FOR CSSAB DISCUSSION PURPOSES ONLY

APPENDIX A

Table 2 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Groundwater

Regulated Substance	CASRN	Used Aquifers				Nonuse Aquifers	
		TDS ≤ 2500		TDS > 2500		R	NR
		R	NR	R	NR		
ANTIMONY	7440-36-0	6 M	6 M	600 M	600 M	6000 M	6000 M
ARSENIC	7440-38-2	10 M	10 M	1000 M	1000 M	10000 M	10000 M
ASBESTOS (fibers/L)	12001-29-5	7000000 M	7000000 M	7000000 M	7000000 M	7000000 M	7000000 M
BARIUM AND COMPOUNDS	7440-39-3	2000 M	2000 M	200000 M	200000 M	2000000 M	2000000 M
BERYLLIUM	7440-41-7	4 M	4 M	400 M	400 M	4000 M	4000 M
BORON AND COMPOUNDS	7440-42-8	6000 H	6000 H	600000 H	600000 H	6000000 H	6000000 H
CADMIUM	7440-43-9	5 M	5 M	500 M	500 M	5000 M	5000 M
CHROMIUM (TOTAL)	7440-47-3	100 M	100 M	10000 M	10000 M	100000 M	100000 M
COBALT	7440-48-4	13 G	35 G	1300 G	3500 G	13000 G	35000 G
COPPER	7440-50-8	1000 M	1000 M	100000 M	100000 M	1000000 M	1000000 M
CYANIDE, FREE	57-12-5	200 M	200 M	20000 M	20000 M	200000 M	200000 M
FLUORIDE	16984-48-8	4000 M	4000 M	400000 M	400000 M	4000000 M	4000000 M
LEAD	7439-92-1	5 M	5 M	500 M	500 M	5000 M	5000 M
LITHIUM	7439-93-2	83 G	230 G	8300 G	23000 G	83000 G	230000 G
MANGANESE	7439-96-5	300 H	300 H	30000 H	30000 H	300000 H	300000 H
MERCURY	7439-97-6	2 M	2 M	200 M	200 M	2000 M	2000 M
MOLYBDENUM	7439-98-7	40 H	40 H	4000 H	4000 H	40000 H	40000 H
NICKEL	7440-02-0	100 H	100 H	10000 H	10000 H	100000 H	100000 H
NITRATE NITROGEN	14797-55-8	10000 M	10000 M	1000000 M	1000000 M	10000000 M	10000000 M
NITRITE NITROGEN	14797-65-0	1000 M	1000 M	100000 M	100000 M	1000000 M	1000000 M
PERCHLORATE	7790-98-9	15 H	15 H	1500 H	1500 H	15000 H	15000 H
SELENIUM	7782-49-2	50 M	50 M	5000 M	5000 M	50000 M	50000 M
SILVER	7440-22-4	100 H	100 H	10000 H	10000 H	100000 H	100000 H
STRONTIUM	7440-24-6	4000 H	4000 H	400000 H	400000 H	4000000 H	4000000 H
THALLIUM	7440-28-0	2 M	2 M	200 M	200 M	2000 M	2000 M
TIN	7440-31-5	25000 G	70000 G	2500000 G	7000000 G	25000000 G	70000000 G
VANADIUM	7440-62-2	2.9 G	8.2 G	290 G	820 G	2900 G	8200 G
ZINC AND COMPOUNDS	7440-66-6	2000 H	2000 H	200000 H	200000 H	2000000 H	2000000 H

All concentrations in ug/L (except asbestos)
M = Maximum Contaminant Level
H = Lifetime Health Advisory Level
SMCL = Secondary Maximum Contaminant Level
G = Ingestion
N = Inhalation

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Table 2 - Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Groundwater

SECONDARY CONTAMINANTS			
REGULATED SUBSTANCE	CASRN	SMCL	UNITS
ALUMINUM	7429-90-5	200	µg/L
CHLORIDE	7647-14-5	250000	µg/L
IRON	7439-89-6	300	µg/L
SULFATE	7757-82-6	250000	µg/L

All concentrations in ug/L (except asbestos)

M = Maximum Contaminant Level

H = Lifetime Health Advisory Level

SMCL = Secondary Maximum Contaminant Level

G = Ingestion

N = Inhalation