

Appendix A

**Table 4 – Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil
A. Direct Contact Numeric Values**

REGULATED SUBSTANCE	CASRN	Residential MSC 0-15 feet		Nonresidential MSCs			
				Surface Soil 0-2 feet		Subsurface Soil 2-15 feet	
ALUMINUM	7429-90-5	190,000	C	190,000	C	190,000	C
ANTIMONY	7440-36-0	88	G	[1,100] 1,300	G	190,000	C
ARSENIC	7440-38-2	12	G	[53] 61	G	190,000	C
BARIUM AND COMPOUNDS	7440-39-3	44,000	G	190,000	C	190,000	C
BERYLLIUM	7440-41-7	[440] 2	G	[5,600] [6,400] 11	G	190,000	C
BORON AND COMPOUNDS	7440-42-8	44,000	G	190,000	C	190,000	C
CADMIUM	7440-43-9	[440] 1.2	G	[1,400] [1,600] 6	G	190,000	C
CHROMIUM III	16065-83-1	190,000	C	190,000	C	190,000	C
CHROMIUM VI	18540-29-9	[660] 4	G	[8,400] [9,600] 220	G	20,000	N
COBALT	7440-48-4	66	G	[840] 960	G	190,000	[C] N
COPPER	7440-50-8	8,100	G	[100,000] 120,000	G	190,000	C
CYANIDE, FREE	57-12-5	[4,400] 130	G	[56,000] 1,900	G	190,000	C
FLUORIDE	16984-48-8	8,800	G	[110,000] 130,000	G	190,000	[G] C
IRON	7439-89-6	150,000	G	190,000	C	190,000	C
LEAD	7439-92-1	500	U	1,000	S	190,000	C
LITHIUM	7439-93-2	440	G	[5,600] 6,400	G	190,000	C
MANGANESE	7439-96-5	10,000	G	[130,000] 150,000	G	190,000	C
MERCURY	7439-97-6	35	G	[450] 510	G	190,000	C
MOLYBDENUM	7439-98-7	1,100	G	[14,000] 16,000	G	190,000	C
NICKEL	7440-02-0	4,400	G	[56,000] 64,000	G	190,000	C

All concentrations in mg/kg [except asbestos, which is in fibers/kg]

- R - Residential
- NR - Non-Residential
- G - Ingestion
- [H] N - Inhalation
- C - Cap
- U - UBK Model
- S - SEGH Model
- NA - Not Applicable

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Table 4 – Medium-Specific Concentrations (MSCs) for Inorganic Regulated Substances in Soil

A. Direct Contact Numeric Values

PERCHLORATE	7790-98-9	150	G	[2,000] <u>2,200</u>	G	190,000	C
SELENIUM	7782-49-2	1,100	G	[14,000] <u>16,000</u>	G	190,000	C
SILVER	7440-22-4	1,100	G	[14,000] <u>16,000</u>	G	190,000	C
<u>STRONTIUM</u>	<u>7440-24-6</u>	<u>130,000</u>	<u>G</u>	<u>190,000</u>	<u>C</u>	<u>190,000</u>	<u>C</u>
THALLIUM	7440-28-0	[15] <u>2</u>	G	[200] <u>32</u>	G	190,000	C
TIN	7440-31-5	130,000	G	190,000	C	190,000	C
VANADIUM	7440-62-2	[1,500] <u>15</u>	G	[20,000] <u>220</u>	G	190,000	C
ZINC	7440-66-6	66,000	G	190,000	C	190,000	C

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