Appendix A

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

		Used Aquifers						N					
Regulated Substance	CASRN	TDS ≤ 2500			TDS > 2500			Nonuse Aquifers					
		R		NR		R		NR		R		NR	
ANTIMONY	7440-36-0	6	М	6	М	600	М	600	М	6,000	М	6,000	М
ARSENIC	7440-38-2	10	М	10	М	1,000	М	1,000	М	10,000	М	10,000	М
ASBESTOS (fibers/L)	12001-29-5	7,000,000	М	7,000,000	М	7,000,000	М	7,000,000	М	7,000,000	М	7,000,000	М
BARIUM AND COMPOUNDS	7440-39-3	2,000	М	2,000	М	200,000	М	200,000	М	2,000,000	М	2,000,000	М
BERYLLIUM	7440-41-7	4	М	4	М	400	М	400	М	4,000	М	4,000	М
BORON AND COMPOUNDS	7440-42-8	6,000	Н	6,000	Н	600,000	Н	600,000	Н	6,000,000	Н	6,000,000	Н
CADMIUM	7440-43-9	5	М	5	М	500	М	500	М	5,000	М	5,000	М
CHROMIUM (TOTAL)	7440-47-3	100	М	100	М	10,000	М	10,000	М	100,000	М	100,000	М
COBALT	7440-48-4	[11] <u>13</u>	G	[31] <u>35</u>	G	[1,100] <u>1,300</u>	G	[3,100] <u>3,500</u>	G	[11,000] <u>13,000</u>	G	[31,000] <u>35,000</u>	G
[COPPER]	[7440-50-8]	[1,000]	[M 1	[1,000]	[M 1	[<u>100,000</u>]	[M 1	[100,000]	[M 1	[1,000,000]	ا M	[1,000,000]	[M 1
CYANIDE, FREE	57-12-5	200	M	200	M	20,000	M	20,000	M	200,000	M	200,000	M
FLUORIDE	16984-48-8	4,000	М	4,000	М	400,000	М	400,000	М	4,000,000	М	4,000,000	М
LEAD	7439-92-1	5	М	5	М	500	М	500	М	5,000	М	5,000	М
LITHIUM	7439-93-2	[73] <u>83</u>	G	[200] <u>230</u>	G	[7,300] <u>8,300</u>	G	[20,000] <u>23,000</u>	G	[73,000] 83,000	G	[200,000] 230,000	G
MANGANESE	7439-96-5	300	Н	300	Н	30,000	Н	30,000	Н	300,000	Н	300,000	Н
MERCURY	7439-97-6	2	М	2	М	200	М	200	М	2,000	М	2,000	М
MOLYBDENUM	7439-98-7	40	Н	40	Н	4,000	Н	4,000	Н	40,000	Н	40,000	Н
NICKEL	7440-02-0	100	Н	100	Н	10,000	Н	10,000	Н	100,000	Н	100,000	Н
NITRATE NITROGEN	14797-55-8	10,000	М	10,000	М	1,000,000	М	1,000,000	М	10,000,000	М	10,000,000	М
NITRITE NITROGEN	14797-65-0	1,000	М	1,000	М	100,000	М	100,000	М	1,000,000	М	1,000,000	М
PERCHLORATE	7790-98-9	15	Н	15	Н	1,500	Н	1,500	Н	15,000	Н	15,000	Н
SELENIUM	7782-49-2	50	М	50	М	5,000	М	5,000	М	50,000	М	50,000	М
SILVER	7440-22-4	100	Н	100	Н	10,000	Н	10,000	Н	100,000	Н	100,000	Н
STRONTIUM	7440-24-6	4,000	<u>H</u>	<u>4,000</u>	<u>H</u>	400,000	<u>H</u>	400,000	<u>H</u>	4,000,000	<u>H</u>	4,000,000	<u>H</u>
THALLIUM	7440-28-0	2	М	2	М	200	М	200	М	2,000	М	2,000	М
TIN	7440-31-5	[22,000] <u>25,000</u>	G	[61,000] <u>70,000</u>	G	[2,200,000] <u>2,500,000</u>	G	[6,100,000] <u>7,000,000</u>	G	[22,000,000] 25,000,000	G	[61,000,000] <u>70,000,000</u>	G

All concentrations in µg/L (except asbestos)

M = Maximum Contaminant Level

H = Lifetime Health Advisory Level

SMCL = Secondary Maximum Contaminant Level

G = Ingestion N = Inhalation R = Residential NR = Nonresidential

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

			Used A	Namura Amuifana				
Regulated Substance	CASRN	TDS ≤ 2500		TDS	> 2500	Nonuse Aquifers		
		R	NR	R	NR	R	NR	
VANADIUM	7440-62-2	[260] <u>2.9</u>	[720] <u>8.2</u>	[26,000] <u>290</u>	[72,000] <u>820</u> G	[260,000] G <u>2,900</u>	[720,000] G <u>8,200</u>	
ZINC AND COMPOUNDS	7440-66-6	2,000 H	2,000 H	200,000 H	200,000 H	2,000,000 H	2,000,000 H	

SECONDARY CONTAMINANTS								
REGULATED SUBSTANCE	CASRN	SMCL	UNITS					
ALUMINUM	7429-90-5	200	μg/L					
CHLORIDE	7647-14-5	250,000	μg/L					
COPPER	7440-50-8	<u>1000</u>	μg/L					
FLUORIDE	7681-49-4	2,000	μg/L					
IRON	7439-89-6	300	μg/L					
MANGANESE	7439-96-5	50	μg/L					
SULFATE	7757-82-6	250,000	μg/L					

All concentrations in μ g/L (except asbestos) M = Maximum Contaminant Level

G = Ingestion N = Inhalation

H = Lifetime Health Advisory Level SMCL = Secondary Maximum Contaminant Level

R = Residential NR = Nonresidential