Analyte	Symbol	Use	Risk	Target Organs	Recreational Limit	CHHSL	Public Health Goal	Child Specific Dose	Allowable Inhalation	Chronic Inhalation	Exposure Levels	Pre Fire	WSNP Dunes	First Rain Event	Will Rogers Drain	Montana Drain
Antimony	Sb	Alloys, cosmetics, medicine (emetic); flame retardation	liver histopathological changes			7†6.17	0.001 (1 ppb)					ND	3.6	3.9	ND	ND
Arsenic	As	Wood preservative, herbicide, nonferrous alloys, medicine (leukemia treatment); component of tobacco smoke. Formerly used in optical glass.	Reproductive/ development (decreased fetal weight); altered brain structure and funtion Acute REL Target Organs:Reproductive/ development, cardiovascular system, nervous system	Reproductive/ development; cardiovascular system; nervous system; lung; skin	.04	0.07	4.00E-07		0.06	0.015		ND	5.6	ND	9	ND
Barium	Ва	Component of paints, soap, paper, rubber, alloys; manufacture of ceramics and glass	Cardiovascular toxicity (hypertension)	, , ,		6.3	2		1			11	77	25		
		Rechargeable batteries, corrosion-resistant electroplating, barrier to control neutrons in nuclear fission, alloys, dental amalgams, plastic (PVC) stabilizer; production of pigments, television phosphors, photoelectric cells, electronics, fungicides, photography and lithography; component of tobacco smoke	Developmental Toxicity Male	Inhalation: Kidney, respiratory			0.2 mg/hg	1155		0.00					,,,	
Cadmium	Cd	Production of stainless steel, textile dyes,	Reproductive Toxicity	system. Oral: Kidney		1.5	.0.2 mg/kg	1.1 E-5	0.05	0.02		1.4	1.2	1.5	טאו	IND
Chromium	Cr	wood preservatives, leather tanning, anti- corrosion and conversion coatings, electroplating		Inhalation: Respiratory system. Oral: Hematologic system		0.2	0.001			0.02		3.5	4.2	2.9	ND	ND
			Cobalt may be a CARCINOGEN in				mg/m3 averaged over an 8-		mg/m3 averaged over a 10-							
Cobalt	Co	Alloys, batteries, catalysts, pigments	humans	Respiratory system - For aquarium		0.001	hour		hour			1.6	2.4	2.6	8.3	ND
Copper	Cu	Electrical conductors, roofing and plumbing, industrial machinery, pesticide, antibiofouling surfaces; alloys for currency, jewelry, decoration, etc.; component of tobacco smoke	Digestive system toxicity (nausea, diarrhea)	fish treatment, a therapeutic copper level is typically around 2.0 parts per million (ppm), For drinking water, the EPA recommends levels not exceeding 1.3 milligrams per liter (1.3 ppm).		0.3	0.3		1.3			4.8	12	8.5	4.5	4.8
Lead	Pb	construction materials, glazes, and as a radiation shield. Lead is also a component of tobacco smoke. Lead compounds are used as glazes, pigments, anti-knock additives in	Developmental Toxicity Male Reproductive Toxicity Female Reproductive Toxicity	Cancer	NA	80 mg/kg			0.5			ND	3.3	8.4	9	3.7
Molybdenum	Мо	Alloys; flame-resistant coating on other metals; fertilizer for some plants	Effective March 19, 2021, the Office of Environmental Health Hazard Assessment (OEHHA) is adding molybdenum trioxide (CAS No. 1313-27-5) and indium tin oxide (CAS No. 50926-11-9) to the list of chemicals known to the State of California to cause cancer for purposes of Proposition 651. The listing of these chemicals is pursuant to the LABOR CODE			3.8E+02 mg/kg						ND	13	ND	ND	ND
Nickel	Ni	Alloys (low-alloy steels, stainless steel, copper and brass, permanent magnets, electrical resistance alloys), electroplated protective coatings, electroformed coatings, alkaline storage batteries, fuel cell electrodes, catalyst for methanation of fuel gases and hydrogenation of vegetable oils; component of tobacco smoke	Inhalation: Respiratory system, hematologic system. Oral: Development	Depressed antibody response					0.06	0.014		4.3	6.4	7.1	5.3	3.7
Vanadium	V	Production of ferrovanadium alloy; corrosion inhibitor; ceramic and glass coloring: catalyst for sulfuric acid and other oxidated chemicals		Respiratory irritation			15		30			7.7	7.3	7.1	2	ND
Zinc	Zn	Pesticide; fungicide	Authoritative Bodies-US Environmental													
ect January and		-	Protection Agency 11 28 22 11 13 *Scaling of Exposure Goals Based on Toxicity Criteria on Chemicals Evaluated by OEHHA												10	