

Approved Interim Maximum Allowable Concentrations (IMACS)

Pollutant	CAS #	Requested Interim Maximum Allowable Concentration ug/L	DWQ Approved Interim Maximum Allowable Concentration ug/L	PQL ug/L	IMAC Basis	Reference Dose mg/kg/day	Calculated Threshold Concentration ug/L	Cancer Potency Factor (mg/kg/day) <sup>-1</sup>	Concentration at 10 <sup>-6</sup> risk ug/L	Relative Source Contribution	Federal Maximum Contaminant Level ug/L	National Secondary Drinking Water Standard ug/L	Taste Threshold ug/L	Odor Threshold ug/L
Acrolein	107-02-8	3.5	4	5 <sup>b</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	0.0005 <sup>1</sup>	4	NA	NA	0.2	NA	NA	NA	110 <sup>4</sup>
Aldrin	309-00-2	0.0021	0.002	0.06 <sup>a</sup>	IMAC based on 1/million cancer risk	0.00003 <sup>1</sup>	0.21	17 <sup>1</sup>	0.002	0.2	NA	NA	NA	NA
Benzyl Alcohol	100-516	700	700	20 <sup>a</sup>	IMAC based on non-cancer threshold concentration	0.1 <sup>6</sup>	700	NA	NA	0.2	NA	NA	NA	NA
Beryllium	7440-41-7	4	4	5 <sup>a</sup>	IMAC based on Federal MCL	0.002 <sup>1</sup>	7	NA	NA	0.1	4	NA	NA	NA
Butyl Alcohol, sec (2-Butanol)	78-92-2	14,000	10,000	50 <sup>c</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	2 <sup>6</sup>	14,000	NA	NA	0.2	NA	NA	NA	19,000 <sup>4</sup>
4-Chlorotoluene (p-chlorotoluene)	106-43-4	24	24	0.25 <sup>a</sup>	IMAC based on taste threshold	0.07 <sup>6</sup>	490	NA	NA	0.2	NA	NA	24 <sup>5</sup>	60 <sup>5</sup>
Cobalt	7440-48-4	1.05	1	50 <sup>a</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	0.0003 <sup>6</sup>	1.05	NA	NA	0.1	NA	NA	NA	NA
Dibromomethane (methylene bromide)	74-95-3	70	70	0.25 <sup>a</sup>	IMAC based on non-cancer threshold concentration	0.01 <sup>3</sup>	70	NA	NA	0.2	NA	NA	NA	NA
Dichloroacetic Acid	79-43-6	0.7	0.7	0.13 <sup>d</sup>	IMAC based on 1/million cancer risk	0.004 <sup>1</sup>	14	0.05 <sup>1</sup>	0.7	0.2	NA	NA	NA	NA
1,2-Dichloroethylene, mixed isomers	540-59-0	63	60	0.25 <sup>a</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	0.009 <sup>3</sup>	63	NA	NA	0.2	70 (cis) 100 (trans)	NA	NA	260 (trans) <sup>4</sup>
Picramic Acid (2-Amino-4,6-dinitrophenol)	96-91-3	0.70	0.7	NA	IMAC based on non-cancer threshold concentration	0.0001 <sup>6</sup> (screening RfD)	0.7	NA	NA	0.2	NA	NA	NA	NA
Polychlorinated biphenyls	1336-36-3	0.0875	0.09	1.0 <sup>a</sup>	IMAC based on 1/million cancer risk; rounded to one significant figure	NA	NA	0.4 <sup>1</sup>	0.09	0.2	0.5	NA	NA	NA
Thallium	7440-28-0	0.23	0.2	10 <sup>a</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	0.000065 <sup>1,2</sup> (discussion in IRIS)	0.23	NA	NA	0.1	2	NA	NA	NA
Tin	7440-31-5	2,100	2,000	10 <sup>a</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	0.6 <sup>3</sup>	2,100	NA	NA	0.1	NA	NA	NA	NA
2,4,5-Trichlorophenol	95-95-4	63	63	10 <sup>a</sup>	IMAC based on odor threshold	0.1 <sup>1</sup>	700	NA	NA	0.2	NA	NA	100 <sup>5</sup>	63 <sup>5</sup>
2,4,6-Trichlorophenol	88-06-2	3.5	4	10 <sup>a</sup>	IMAC based on 1/million cancer risk; rounded to one significant figure	0.001 <sup>6</sup>	7	0.01 <sup>6</sup>	3.5	0.2	NA	NA	380 <sup>5</sup>	12 <sup>5</sup>
Vanadium, excluding vanadium pentoxide	7440-62-2	0.3	0.3	25 <sup>a</sup>	IMAC based on non-cancer threshold concentration; rounded to one significant figure	0.00007 <sup>6</sup>	0.25	NA	NA	0.1	NA	NA	NA	NA
Vinyl Acetate	108-05-4	88	88	5 <sup>b</sup>	IMAC based on odor threshold	1.0 <sup>3</sup>	7,000	NA	NA	0.2	NA	NA	NA	88 <sup>4</sup>

Not known to cause cancer in humans  
Known to or potentially may cause cancer in humans

**References:**

- 1 IRIS <http://www.epa.gov/ncea/iris/index.html>
  - 2 EPA 2009 Edition of the Drinking Water Standards and Health Advisories <http://www.epa.gov/waterscience/criteria/drinking/dwstandards2009.pdf>
  - 3 Health Effects Assessment Summary Tables FY 1997 Update (EPA 540-R-97-036)
  - 4 Amoores & Hautala 1983
  - 5 Young et al. 1996
  - 6 EPA National Center for Environmental Assessment (NCEA) Provisional Peer-Reviewed Toxicity Value
- NA = not available

**PQL = Practical quantitation limit sources:**

- a = DWQ Lab PQL
- b = New Jersey DEP GW PQL [http://www.state.nj.us/dep/wms/bwqsa/gwqs\\_tabl](http://www.state.nj.us/dep/wms/bwqsa/gwqs_tabl)
- c = <http://www.mass.gov/dep/water/drinking/standards/tba.htm> (butyl alcohol)
- d = h = <http://www.epa.gov/safewater/methods/pdfs/methods/met557.pdf> (DCA)