

**Changes to the Water Quality Goals database since release of  
the July 2008 Edition of A Compilation of Water Quality Goals**

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<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
12/28/2009	Reference 5	Change web address to <a href="http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Chemicalcontaminants.aspx">http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Chemicalcontaminants.aspx</a> .
	Arsenic	California Drinking Water Primary MCL – remove 50 ug/L limit and remove footnote 68.
	Reference 1	Amend to read “California Department of Public Health, California Code of Regulations, Title 22, Division 4, Chapter 15, Domestic Water Quality and Monitoring, Chapter 15.5, Disinfectant Residuals, Disinfection Byproducts, and Disinfection Byproduct Precursors, Chapter 17, Lead and Copper, <a href="http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Lawbook.aspx">http://www.cdph.ca.gov/certlic/drinkingwater/Pages/Lawbook.aspx</a> .”
	Reference	Amend to read “U.S. Environmental Protection Agency, Office of Water, 2009 Edition of the Drinking Water Standards and Health Advisories tables (October 2009), EPA 922-R-09-011, <a href="http://www.epa.gov/waterscience/criteria/drinking/">http://www.epa.gov/waterscience/criteria/drinking/</a> .”
	Footnote 66	Change first sentence to read “Measured as Cl2.”
12/30/2009	Reference 4	Amend to read “U.S. Environmental Protection Agency, Region 9, Drinking Water Office, Drinking Water Standards and Health Advisories Table (November 2009), <a href="http://www.epa.gov/region09/water/drinking/">http://www.epa.gov/region09/water/drinking/</a> .”
12/31/2009	1,2,3-Trichloropropane	California Public Health Goal – remove footnote 68.
	1,2-Dichlorobenzene	California Public Health Goal – add footnote 147.
	2,4-Dichlorophenoxyacetic acid	California Public Health Goal – remove 70 ug/L limit and remove footnote 68.
	Antimony	California Public Health Goal – add second limit of 0.7 ug/L and add footnote 68.
	Bentazon	California Public Health Goal – add footnote 147.
	Chlorite	California Public Health Goal – remove footnote 68.
	Dalapon	California Public Health Goal – add footnote 147.
	Endrin	California Public Health Goal – add footnote 147.
	Lead	California Public Health Goal – remove limit of 2 ug/L and remove footnote 68.

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1/4/2010	Oxamyl	California Public Health Goal – remove limit of 50 ug/L and remove footnote 68.
	Pentachlorophenol	California Public Health Goal – remove limit of 0.4 ug/L and remove footnote 68.
	Trichloroethylene	California Public Health Goal – remove limit of 0.8 ug/L and remove footnote 68.
	Uranium	California Public Health Goal – add footnote 188.
	Chloroform	California Public Health Goal – add limit of 1 ug/L and add footnotes 68 and 188.
	Bromoform	California Public Health Goal – add limit of 5 ug/L and add footnotes 68 and 188.
	Bromodichloromethane	California Public Health Goal – add limit of 0.4 ug/L and add footnotes 68 and 188.
	Dibromochloromethane	California Public Health Goal – add limit of 0.7 ug/L and add footnotes 68 and 188.
	Chromium (VI)	California Public Health Goal – add limit of 0.06 ug/L and add footnotes 68 and 188.
	Benzo(a)pyrene	California Public Health Goal – add second limit of 0.013 ug/L and add footnote 68.
1/5/2009	Bromate	California Public Health Goal – remove footnote 68.
	Nitrobenzene	USEPA IRIS Reference Dose – change limit to 14 ug/L. USEPA IRIS Cancer Risk – remove footnote D and add footnote L.
	Pentachlorophenol	USEPA IRIS Reference Dose – add second limit of 35 ug/L and add footnote 68. USEPA IRIS Cancer Risk – add second limit of 0.09 ug/L and add footnote 68.
	1,4-Dioxane	USEPA IRIS Reference Dose – add limit of 210 ug/L and add footnote 68. USEPA IRIS Cancer Risk – add second limit of 0.18 ug/L and add footnote 68.
	Kepone (Chlordecone)	USEPA IRIS Reference Dose – change limit to 2.1 ug/L and remove footnote 68. USEPA IRIS Cancer Risk – add limit of 0.0033 ug/L, add footnote L, and remove footnotes S and 68.

<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
	Cyanide	USEPA IRIS Reference Dose – add second limit of 4.2 ug/L and add footnotes 68 and 137.
	Sodium cyanide	USEPA IRIS Reference Dose – add second limit of 7 ug/L and add footnote 68.
	Potassium cyanide	USEPA IRIS Reference Dose – add second limit of 14 ug/L and add footnote 68.
	Calcium cyanide	USEPA IRIS Reference Dose – add second limit of 7 ug/L and add footnote 68.
	Potassium silver cyanide	USEPA IRIS Reference Dose – add second limit of 35 ug/L and add footnote 68.
	Cyanogen	USEPA IRIS Reference Dose – add second limit of 7 ug/L and add footnote 68.
1/6/2010	1,1,2,2-Tetrachloroethane	USEPA IRIS Reference Dose – add limit of 70 ug/L and add footnote 68..
	cis-1,2-Dichloroethylene	USEPA IRIS Reference Dose – add limit of 42 ug/L and add footnote 68. USEPA IRIS Cancer Risk – add footnotes "I" and 68.
	trans-1,2-Dichloroethylene	USEPA IRIS Cancer Risk – add footnotes "I" and 68.
1/7/2009	Trichloroacetic acid	USEPA IRIS Reference Dose – add limit of 140 ug/L and add footnote 68. USEPA IRIS Cancer Risk – add limit of .018 ug/L and add footnotes L and 68.
	Methyl n-butyl ketone (2-Hexanone)	USEPA IRIS Reference Dose – remove limit of 1400 ug/L, remove footnote 68, and add limit of 35 ug/L. USEPA IRIS Cancer Risk – remove footnote 68.
	Chloroprene	USEPA IRIS Cancer Risk – remove footnote B1 and add footnote L.
	1,2,3-Trichloropropane	USEPA IRIS Reference Dose – remove limit of 42 ug/L and remove footnote 68. USEPA IRIS Cancer Risk – remove limit of 0.009 ug/L, remove footnote 68, add limit of 30 per mg/kg/d, and add footnote 6.
	Footnote 6	Change to read "If units are "per mg/kg/d", limit is the oral cancer slope factor. Age dependent adjustment factors (ADAFs) should be applied to the cancer slope factor when assessing cancer risks, especially for early life exposures. Supplemental guidance available at <a href="http://www.epa.gov/cancerguidelines/">www.epa.gov/cancerguidelines/</a> ."

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<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
	Bromobenzene	USEPA IRIS Reference Dose – remove limit of 42 ug/L, remove footnote 68, and add limit of 56 ug/L. USEPA IRIS Cancer Risk – add footnote “I”.
	Thallium	USEPA IRIS Reference Dose – remove limits of 0.6 and 0.14 ug/L and remove footnote 68. USEPA IRIS Cancer Risk – remove footnote D and add footnotes “I” and 202.
	Footnote 202	Change to read “For thallium oxide, thallium selenite, and soluble thallium salts, including thallium (I) acetate, thallium (I) carbonate, thallium (I) chloride, thallium (I) nitrate and thallium (I) sulfate.”
	Trichloroethylene	USEPA IRIS Reference Dose – add limit of 2.8 ug/L and footnote 68. USEPA IRIS Cancer Risk – add limit of 0.7 ug/L and add footnotes H, 6, and 68.
1/29/2010	Bromobenzene	USEPA Health Advisory (non-cancer) – remove limit of 4,000 ug/L, remove footnotes 10-day and 68, add limit of 70 ug/L and add footnote 166. USEPA Health Advisory (cancer) – remove footnote 68 and add footnote 166.
	Dicamba	USEPA Health Advisory (non-cancer) – add footnote 167. USEPA Health Advisory (cancer) – add footnote 167.
	2,4-Dinitrotoluene	USEPA Health Advisory (cancer) – remove footnotes B2 and 65 and add footnote L.
	2,6-Dinitrotoluene	USEPA Health Advisory (non-cancer) – remove limit of 7 ug/L and remove footnote 60. USEPA Health Advisory (cancer) – remove footnotes B2 and 65 and add footnote L.
	Ethylene thiourea (ETU)	USEPA Health Advisory (cancer) – remove limit of 0.2 ug/L, add limit of 0.6 ug/L, and add footnote 167. Synonyms – add “Environmental degradate of Metiram”.
	Malathion	USEPA Health Advisory (non-cancer) – remove limit of 100 ug/L, add limit of 500 ug/L, and add footnote 167. USEPA Health Advisory (cancer) – remove footnote D and add footnote S.

<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
	N-Nitrosodimethylamine	USEPA Health Advisory (cancer) – add limit of 0.0007 ug/L and add footnotes B2 and 166.
	Paraquat	USEPA Health Advisory (non-cancer) – add footnote 167. USEPA Health Advisory (cancer) – remove footnote C and add footnotes E and 167.
	Footnote 203	Add new footnote to read “Provisional short-term value.”
	Perfluorooctanoic acid	Add new chemical. USEPA Health Advisory (non-cancer) – add limit of 0.4 ug/L and add footnote 203.
	Perfluorooctane sulfonate	Add new chemical. USEPA Health Advisory (non-cancer) – add limit of 0.2 ug/L and add footnote 203.
	Prometon	USEPA Health Advisory (non-cancer) – remove limit of 100 ug/L, add limit of 400 ug/L, and add footnote 167. USEPA Health Advisory (cancer) – remove footnote D and add footnotes N and 167.
	Pronamide	USEPA Health Advisory (non-cancer) – remove limit of 560 ug/L, remove footnote 168, add limit of 800 ug/L, and add footnote 10-day. USEPA Health Advisory (cancer) – remove limit of 2 ug/L, add limit of 1 ug/L and add footnote 167.
	Propazine	USEPA Health Advisory (non-cancer) – remove limit of 10 ug/L and add limit of 100 ug/L.
	Lindane	USEPA Health Advisory (non-cancer) – remove limit of 3.5 ug/L and add limit of 35 ug/L.
	Barium	USEPA Health Advisory (non-cancer) – remove limit of 1,400 ug/L, remove footnotes 60 and 166, add limit of 700 ug/L, and add footnotes 10-day and 68.

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2/16/2010	1,1,2,2-Tetrachloroethane	USEPA Health Advisory (non-cancer) – remove limit of 0.3 ug/L, add limit of 3,000 ug/L, and add footnote 10-day. USEPA Health Advisory (cancer) – remove footnote C and add footnote L.
	2,3,5,6-Tetrachloroterephthalate	USEPA Health Advisory (non-cancer) – add limit of 100,000 ug/L and add footnote 10-day.
	1,1,1-Trichloroethane	USEPA Health Advisory (non-cancer) – remove limit of 200 ug/L, add limit of 40,000 ug/L and add footnote 10-day. USEPA Health Advisory (cancer) – remove footnote D and add footnotes I and 166.
	1,2,3-Trichloropropane	USEPA Health Advisory (non-cancer) – remove limit of 40 ug/L. USEPA Health Advisory (cancer) – add footnotes L and 166.
	Boron	USEPA Health Advisory (non-cancer) – remove limit of 1,000 ug/L, remove footnote 166, and add limit of 5,000 ug/L.
	Footnote 204	Add text to read "Interim value based on subchronic effects on pregnant women."
	Perchlorate	USEPA Health Advisory (non-cancer) – remove limits of 20 and 40 ug/L, remove footnotes 30 and 68, add limit of 15 ug/L, and add footnote 204. USEPA Health Advisory (cancer) – add footnote L/N.
	Thallium	USEPA Health Advisory (non-cancer) – remove limit of 0.5 ug/L, add limit of 7 ug/L, and add footnote 10-day. USEPA Health Advisory (cancer) – add footnotes I and 166.
	Bromodichloromethane	USEPA Health Advisory (non-cancer) – remove limit of 21 ug/L, remove footnote 60, add limit of 600 ug/L and add footnote 10-day.
	Bromoform	USEPA Health Advisory (non-cancer) – remove limit of 210 ug/L, remove footnote 60, add limit of 200 ug/L, and add footnote 10-day.
2/17/2010	Epichlorohydrin	USEPA Health Advisory (non-cancer) – remove limit of 14 ug/L, remove footnote 60, add limit of 100 ug/L and add footnote 10-day.

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<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
	Hexachlorobutadiene	USEPA Health Advisory (non-cancer) – remove limit of 2 ug/L, remove footnote 60, add limit of 300 ug/L and add footnote 10-day.
	Toluene	USEPA Health Advisory (non-cancer) – remove limit of 560 ug/L, remove footnotes 60 and 166, add limit of 2,000 ug/L, and add footnotes 10-day and 68.
	Trichloroethylene	USEPA Health Advisory (non-cancer) – remove limit of 50 ug/L and remove footnote 60.
	Aldicarb sulfoxide	USEPA Health Advisory (non-cancer) – remove limit of 10 ug/L, remove footnote 10-day, and add limit of 7 ug/L.
	Atrazine	USEPA Health Advisory (cancer) – remove footnote C and add footnote N.
	Carbaryl	USEPA Health Advisory (non-cancer) – remove limit of 70 ug/L, remove footnote 168, add limit of 1,000 ug/L, and add footnote 10-day.
	Benz(a)anthracene	USEPA Primary MCL – remove limit of 0.1 ug/L and remove footnote 68. USEPA MCL Goal – remove limit of 0 ug/L and remove footnotes 68 and 185.
	Chloral hydrate	USEPA MCL Goal – remove limit of 40 ug/L.
	1,1-Dichloroethylene	USEPA IRIS Reference Dose – remove limit of 100 ug/L and add limit of 1,000 ug/L.
2/18/2010	Diuron	USEPA Health Advisory (non-cancer) – remove limit of 21 ug/L and remove footnote 167.
	Endothal	USEPA Health Advisory (cancer) – remove footnote L and add footnote N.
	Metolachlor	USEPA Health Advisory (non-cancer) – remove footnote 167 and add footnote 168.
	Oxamyl	USEPA Health Advisory (non-cancer) – remove limit of 35 ug/L, remove footnote 167, add limit of 7 ug/L, and add footnote 60. USEPA Health Advisory (cancer) – remove footnotes E and 167 and add footnote N.

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<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
2/25/2010	Pronamide	USEPA Health Advisory (non-cancer) – remove limit of 53 ug/L and add limit of 500 ug/L.
	Propachlor	USEPA IRIS Reference Dose – remove limit of 91 ug/L and add limit of 90 ug/L. USEPA Health Advisory (non-cancer) – remove limit of 350 ug/L and remove footnote 168. USEPA Health Advisory (cancer) – add limit of 1 ug/L.
	Propazine	USEPA IRIS Reference Dose – remove limit of 14 ug/L and add limit of 140 ug/L.
	Simazine	USEPA IRIS Reference Dose – remove limit of 3.5 ug/L and add limit of 35 ug/L.
	Chloral hydrate	USEPA Health Advisory (non-cancer) – remove limit of 60 ug/L. USEPA Health Advisory (cancer) – remove footnote C.
	Trichloroacetic acid	USEPA Health Advisory (cancer) – remove footnote C and add footnote S.
	Arsenic	Cal/EPA Cancer Potency Factor – remove limit of 0.0037 ug/L and add limit of 0.023 ugL.
	Beryllium oxide	Cal/EPA Cancer Potency Factor – remove limit of 0.005 ug/L.
	Beryllium sulfate	Cal/EPA Cancer Potency Factor – remove limit of 0.000012 ug/L.
	Bromoform	Cal/EPA Cancer Potency Factor – add limit of 3.2 ug/L.
3/1/2010	Di(2-ethylhexyl)phthalate	Cal/EPA Cancer Potency Factor – remove limit of 12 ug/L and add limit of 12 ug/L.
	Pentachlorophenol	Cal/EPA Cancer Potency Factor – remove limit of 0.43 ug/L and add limit of 1.9 ug/L.
	Polychlorinated biphenyls	Cal/EPA Cancer Potency Factor – remove limit of 0.007 ug/L and add limit of 0.018 ug/L.
	Trichloroethylene	Cal/EPA Cancer Potency Factor – remove limit of 2.7 ug/L and add limit of 5.9 ug/L.
3/1/2010	Oryzalin	Proposition 65, No Significant Risk Level for Cancer – add footnote 188.

<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
3/4/2010	2,4,6-Trinitrotoluene (TNT)	Proposition 65, No Significant Risk Level for Cancer – add footnote 188.
	Chromium (VI)	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Carbaryl	Proposition 65, No Significant Risk Level for Cancer – add footnote 188. Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Chloroform	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Dichloroacetic acid	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Chloromethane	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Methyl n-butyl ketone	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Phenyl glycidyl ether	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Footnote 205	Add footnote text to read “Taken from U.S. Environmental Protection Agency’s Integrated Risk Information System (IRIS), Reference 6.
	Arsenic	Cal/EPA Cancer Potency Factor – add footnote 205.
4/5/2010	C.I. Direct Blue 218	Proposition 65, No Significant Risk Level for Cancer – remove footnote 68.
	Di-n-hexyl phthalate (DnHP)	Proposition 65, No Significant Risk Level for Cancer – remove footnote 68.
	Ethylbenzene	Proposition 65, No Significant Risk Level for Cancer – remove footnote 68.
	Fumonisin B1	Add chemical to database. Proposition 65, No Significant Risk Level for Cancer – add limit of 0.75 ug/L and add footnotes 68 and 188.
	p-Chloroaniline	Proposition 65, No Significant Risk Level for Cancer – add limit of 0.75 ug/L and add footnote 68.
	p-Chloroaniline hydrochloride	Add chemical to database. Proposition 65, No Significant Risk Level for Cancer – add limit of 1.0 ug/L and add footnotes 68 and 188.
	Acrylamide	Proposition 65, Maximum Allowable Dose for Repro Tox – add limit of 70 ug/L and add footnotes 68 and 189.

<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
	DDE	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Nitrobenzene	Proposition 65, Maximum Allowable Dose for Repro Tox – add footnote 189.
	Cumene	Proposition 65, No Significant Risk Level for Cancer – add footnote 188.
	Reference 26	Update text to reflect 2009 document date and new web address.
	Acrolein	National Recommended Water Quality Criteria, Human Health Protection, Non-Cancer, Water and Fish Consumption – remove limit of 190 ug/L, add limit of 6 ug/L, and add footnote 205. National Recommended Water Quality Criteria, Human Health Protection, Non-Cancer, Fish Consumption Only – remove limit of 290 ug/L, add limit of 9 ug/L, and add footnote 205. National Recommended Water Quality Criteria, Freshwater Aquatic Life Protection, Continuous (4-day average) – add limit of 3 ug/L. National Recommended Water Quality Criteria, Freshwater Aquatic Life Protection, Maximum (1-hour average) – add limit of 3 ug/L.
	Phenol	National Recommended Water Quality Criteria, Human Health Protection, non-Cancer, Water and Fish Consumption – remove limit of 21,000 ug/L, add limit of 10,000 ug/L, and add footnote 205. National Recommended Water Quality Criteria, Human Health Protection, Non-Cancer, Fish Consumption Only – remove limit of 1,700,000 ug/L, add limit of 860,000 ug/L, and add footnote 205.
4/6/2010	Selenium	California Public Health Goal – add limit of 30 ug/L and add footnote 68.
	Methanol	USEPA IRIS Reference Dose – add limit of 2,800 ug/L and add footnote 68. USEPA IRIS Cancer Risk – add limit of 12 ug/L and add footnotes L and 68.
	Arsenic	USEPA IRIS Cancer Risk – add limit of 0.0014 ug/L and add footnote 68.
	Acrylamide	USEPA IRIS Reference Dose – remove limits of 1.4 and 21 ug/L, remove footnote 68, and add limit of 14 ug/L. USEPA IRIS Cancer Risk – remove limits of 0.008 and 0.07 ug/L, remove footnotes B2 and 68, add limit of 0.05 per mg/kg/d, and add footnotes L and 6.

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<u>Date</u>	<u>Item Changed</u>	<u>Change(s) Made</u>
	Carbon tetrachloride	USEPA IRIS Reference Dose – remove limit of 4.9 ug/L and remove footnote 68. USEPA IRIS Cancer Risk – remove limit of 0.3 ug/L, remove footnotes B2 and 68, and add footnote L.
	Ethylene glycol monobutyl ether	USEPA IRIS Reference Dose – remove limit of 350 ug/L and remove footnote 68. USEPA IRIS Cancer Risk – remove footnotes C, L/N and 68, and add footnote N.
	Dichloromethane	USEPA IRIS Reference Dose – add limit of 49 ug/L and add footnote 68.