

Table of Water Quality Objectives

Petroleum and Selected Volatile Organic Compounds

Updated 11-13-08

CHEMICAL	COMMON MINIMUM DETECTION LEVEL	WATER QUALITY OBJECTIVE ¹	WATER QUALITY OBJECTIVE CITATION
Dichloromethane	0.5 µg/l	2.5 µg/l	Cal/EPA Cancer Potency Factor as a drinking water level
Petroleum Hydrocarbons (as gasoline)	50.0 µg/l	5 µg/l	Taste and Odor Threshold is 5 ug/l, but the common detection limit is 50 µg/l
Petroleum Hydrocarbons (as diesel)	50.0 µg/l	100 µg/l	USEPA Health Advisory
Petroleum Hydrocarbons (as motor oil)	50.0 µg/l	< 50.0 µg/l	Federal and State Anti-Degradation Policy and SWRCB Resolution No. 68-16
Benzene	0.5 µg/l	0.15 µg/l	California Public Health Goal (Cal/EPA, OEHHA)
Toluene	0.5 µg/l	42 µg/l	Taste and Odor Threshold
Ethyl benzene	0.5 µg/l	3.2 µg/l	Cal/EPA Cancer Potency Factor as a drinking water level
Xylenes	0.5 µg/l	17 µg/l	Taste and Odor Threshold

¹ The California Water Code, and regulations and policies developed thereunder require cleanup and abatement of discharges and threatened discharges of waste to the extent feasible. Cleanup and abatement activities are to provide attainment of background levels of water quality or the highest water quality that is reasonable if background levels of water quality cannot be restored. **Alternative cleanup levels less stringent than background concentration shall be permitted only if the discharger demonstrates that: it is not feasible to attain background levels;** the alternative cleanup levels are consistent with the maximum benefit to the people of the State; alternative cleanup levels will not unreasonably affect present and anticipated beneficial uses of such water; and they will not result in water quality lower than prescribed in the Basin Plan and Policies adopted by the State and Regional Water Boards.

Table of Water Quality Objectives

Selected Inorganic Compounds

Updated 11-13-08

CHEMICAL	COMMON MINIMUM DETECTION LEVEL	WATER QUALITY OBJECTIVE ¹	WATER QUALITY OBJECTIVE CITATION
Aluminum	30 µg/l	50 µg/l	Taste and Odor Threshold
Antimony	4 µg/l	6 µg/l	Primary MCL (US EPA and Cal/EPA)
Arsenic	2 µg/l	0.004 µg/l	California Public Health Goal (Cal/EPA, OEHHA)
Barium	1 µg/l	1000 µg/l	Primary MCL (Cal/EPA)
Chromium VI	0.2 µg/l	21 µg/l	USEPA Health Advisory
Chromium (Total)	0.5 µg/l	50 µg/l	Primary MCL (California Dept of Health Services)
Copper	0.5 µg/l	300 µg/l	California Public Health Goal (Cal/EPA, OEHHA)
Lead	0.5 µg/l	2 µg/l	California Public Health Goal (Cal/EPA, OEHHA)
Mercury	0.5 µg/l	2 µg/l	Primary MCL (US EPA and Cal/EPA)
Molybdenum	1 µg/l	10 µg/l	Agricultural Water Quality Goals (Food & Ag. Org. of United Nations)
Nickel	0.5 µg/l	12 µg/l	California Public Health Goal (Cal/EPA, OEHHA)
Vanadium	2 µg/l	50	California Notification Levels (Department of Health Services)

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