

# APPENDIX A

## Petroleum Constituents of Concern

CHEMICAL	BACKGROUND LEVEL	WATER QUALITY OBJECTIVE	CITATION
<b>Petroleum Hydrocarbons (as gasoline)</b>	<50 ug/l	50 ug/l	Taste and odor threshold is 5 ug/l, but the common detection limit is 50 ug/l and is controlling
<b>Petroleum Hydrocarbons (as diesel)</b>	<50 ug/l	56 ug/l	USEPA health advisory of September 4, 1992, Suggested No Adverse Response Level of 56 ug/l
<b>Petroleum Hydrocarbons (as motor oil)</b>	<50 ug/l	<50.0 ug/l	
<b>Benzene</b>	<0.5 ug/l	1.0 ug/l	MCL is 1.0 ug/l; USEPA health advisory for cancer risk is 0.7 ug/l
<b>Toluene</b>	<0.5 ug/l	42 ug/l	USEPA taste and odor threshold, Federal Register 54(97):22064-22138; applied TASTE AND ODOR water quality objective.
<b>Ethyl benzene</b>	<0.5 ug/l	29 ug/l	USEPA taste and odor threshold, Federal Register 54(97):22064-22138; applied TASTE AND ODOR water quality objective
<b>Xylenes</b>	<0.5 ug/l	17 ug/l	USEPA taste and odor threshold, Federal Register 54(97):22064-22138 ; applied TASTE AND ODOR water quality objective;
<b>Methyl tertiary butyl ether (MTBE)</b>	<5 ug/l	5 ug/l	The taste & odor threshold for MTBE = 5 ug/l and is the welfare-based secondary MCL.
<b>1,2-Dichloroethane</b>	<0.5 ug/l	0.5 ug/l	For protection of domestic supply, Title 22 Section 64444.5
<b>1,2-Dibromoethane a.k.a.: Ethylene dibromide; EDB</b>	<0.5	0.01 ug/l	California Public Health Goal = 0.01ug/l but detection limit is 0.5 ug/l and is controlling