

MONITORING AND REPORTING PROGRAM NO. R1-2006-0098

APPENDIX A
Constituents of Concern
Including Petroleum and ORP Sensitive Chemicals

| CHEMICAL | Common Minimum Detection Level | WATER QUALITY OBJECTIVE | WATER QUALITY OBJECTIVE CITATION |
|---------------------------------------|--------------------------------|-------------------------|---|
| Ethylene dibromide (Dibromoethane) | 0.5 µg/l | 0.05 µg/l | Primary MCL US EPA |
| 1,2-Dichloroethane | 0.5 µg/l | 0.5 µg/l | For protection of domestic supply, Title 22 Section 64444.5 |
| Petroleum Hydrocarbons (as gasoline) | 50 µg/l | < 50 µg/l | Taste and odor threshold is 5 ug/l, but the common detection limit is 50 µg/l |
| Petroleum Hydrocarbons (as diesel) | 50 µg/l | 100 µg/l | USEPA Health Advisory Suggested No Adverse Response Level |
| Petroleum Hydrocarbons (as motor oil) | 50 µg/l | -- | |
| Benzene | 0.5 µg/l | 0.7 µg/l | MCL is 1.0 ug/l; USEPA Health Advisory for cancer risk is 0.7 µg/l |
| Toluene | 0.5 µg/l | 42 µg/l | USEPA taste and odor threshold, |
| Ethyl Benzene | 0.5 µg/l | 29 µg/l | USEPA taste and odor threshold, |
| Xylenes | 0.5µg/l | 17 µg/l | USEPA taste and odor threshold, |
| Methyl tertiary butyl ether (MTBE) | 0.5 µg/l | 5 µg/l | USEPA taste and odor threshold, |
| Uranium (U) | 1 pCi/L ¹ | 0.5 pCi/L | California Public Health Goal or PHG |
| Hexavalent Chromium (Cr) | 5 µg/l | 21 µg/l | USEPA IRIS Reference Dose (RfD) as a drinking water level |
| Lead (Pb) | 0.5 µg/l | 2 µg/l | California Public Health Goal or PHG |
| Molybdenum (Mo) | 3 µg/l | 35 µg/l | USEPA IRIS Reference Dose (RfD) as a drinking water level |
| Selenium (Se) | 5 µg/l | 35 µg/l | USEPA IRIS Reference Dose (RfD) as a drinking water level |
| Vanadium (V) | 50 µg/l | 50 µg/l | California State Action Levels (Department of Health Services) |

¹ pCi/L = picocuries per liter