



Orange County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromoethane	74	0.25	0.25	0.25	0.05	µg/L	0	0.00%		
1,2-Dichloropropane	76	0.25	0.25	0.25	5	µg/L	0	0.00%		
Arsenic	4,676	0.5	86	1.7	10	µg/L	46	0.98%		
Barium	751	50	50	50	2,000	µg/L	0	0.00%		
Benzene	74	0.25	0.25	0.25	5	µg/L	0	0.00%		
Cadmium	752	0.5	50	0.6	5	µg/L	1	0.13%		
Chromium	756	5	48	5.1	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	314	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	4,681	25	13,410.00	100.70	1,300*	µg/L	54	1.15%		
Ethylbenzene	80	0.25	0.25	0.25	700	µg/L	0	0.00%		
Fluoride	6,681	100	13,090.00	254.20	4,000*	µg/L	5	0.07%		
Iron	4,652	25	135,300.00	640.20	300*	µg/L	1,195	25.69%		
Isopropyl Ether	76	0.25	0.25	0.25	No drinking water standard	µg/L				
Lead	4,702	2.5	2,654.00	5.80	15	µg/L	163	3.47%		
Magnesium	4,668	2,800	281,800.00	8,046.10	No drinking water standard	µg/L				
Manganese	4,666	15	5,790.00	100.40	50*	µg/L	1,218	26.10%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	646	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	328	0.25	86.2	1.84	20* (recommended taste and odor threshold)	µg/L	7	2.13%		
Nitrate	1,027	500	22,250.00	996.80	10,000	µg/L	0	0.00%		
Nitrite	1,044	50	50	50	1,000	µg/L	0	0.00%		
pH	4,677	4.2	10.8	7.1	6.5-8.5*	standard units	29	0.62%	774	16.55%
Selenium	751	2.5	18	2.6	50	µg/L	0	0.00%		
Silver	751	25	25	25	100*	µg/L	0	0.00%		
Sodium	309	1,000	1,240,000.00	22,882.20	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	312	.25	6.7	0.33	5	µg/L	4	1.28%		
Toluene	78	0.25	0.8	0.26	1,000	µg/L	0	0.00%		
trans-1,2-Dichloroethene (t-DCE)	314	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	314	0.25	16.7	0.31	5	µg/L	1	0.32%		
Vinyl chloride	314	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	74	0.25	0.25	0.25	10,000	µg/L	0	0.00%		
Zinc	4,655	25	36,000.00	584.10	5,000*	µg/L	112	2.41%		

* **Secondary MCL:** Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.⁸ The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.⁸

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