

Los Osos Community Services District Groundwater Quality

Regulated Contaminants with a Primary MCL							
Constituent (units)	MCL	PHG (MCLG)	Range of Detection	Average Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Radioactive Constituents							
Gross Alpha particle activity (pCi/L)	15	NS	0 - 2.4	0.8	No	2004	Erosion of natural deposits
Inorganic Constituents							
Barium (ppm)	1	(2)	.03 - .12	0.08	No	2004	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Hexavalent Chromium (ppb)	50	(100)	2.1 - 10	5.72	No	2004	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (ppm)	2	1	0.13 - 0.43	0.26	No	2004	Erosion of natural deposits
Nitrate as nitrate (ppm)	45	45	1.9 - 16.0	9.38	No	2006	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Regulated Contaminants with a Secondary MCL							
Color (PCU)	15	NS	1 - 2	1.6	No	2005	Naturally-occurring organic materials
Corrosivity	Non-corrosive	NS		Corrosive	Yes	2002	Natural or industrially-influenced balance of hydrogen, carbon, and oxygen in the water; affected by temperature and other factors
Iron (ppb)	300	NS	<5 - 230	33.9	No	2006	Leaching from natural deposits
Threshold Odor (TON)	3	NS	0 - 1.7	0.54	No	2005	Naturally-occurring organic materials
Turbidity (NTU)	5	NS	0.06 - 0.66	0.228	No	2005	Soil runoff
Total Dissolved Solids (ppm)	1000	NS	140 - 840	511	No	2005	Runoff/leaching from natural deposits; seawater influence
Specific Conductance (µmhos/cm)	1600	NS	230 - 860	518	No	2005	Substances that form ions when in water; seawater influence
Chloride (ppm)	500	NS	29 - 130	61.4	No	2005	Runoff/leaching from natural deposits; seawater influence
Sulfate (ppm)	500	NS	4.3 - 40	19.2	No	2005	Runoff/leaching from natural deposits; seawater influence
Unregulated Constituents							
Hardness of CaCO ₃ (ppm)	NS	NS	69 - 420	227.1	NS	2006	Leaching from natural deposits
Sodium (ppm)	NS	NS	22 - 53	34.2	NS	2005	Leaching from natural deposits
Calcium (ppm)	NS	NS	11 - 57	31.8	NS	2005	Runoff/leaching from natural deposits; seawater influence
Magnesium (ppm)	NS	NS	8 - 53	28.7	NS	2005	Runoff/leaching from natural deposits; seawater influence
pH (Unit)	NS	NS	6.48 - 7.87	7.18	NS	2006	Runoff/leaching from natural deposits; seawater influence
DISTRIBUTION SYSTEM WATER QUALITY							
Constituent (units)	Primary MCL	PHG (MCLG)	Range of Detection	Average Level	MCL Violation?	Most Recent Sampling Date	Typical Source of Constituent
Bacteriological Constituents							
Total Coliform Bacteria (% of monthly positive samples)	More than 5.0 of monthly samples are positive	(0)	Present or Absent	Absent	No	2006	Naturally present in the environment
Volatile Organic Compounds							
Total Trihalomethanes (ppb)	100	NS	ND	ND	No	2004	By-product of drinking water chlorination
Lead and Copper Rule							
Lead (ppb)	AL = 15	2	< 5 - 8	<1	No	2004	Internal corrosion of household water plumbing systems; erosion of natural deposits
Copper (ppb)	AL = 1300	627	<25 - 1100	515	No	2004	Internal corrosion of household water plumbing systems; erosion of natural deposits
Reactive Phosphate as PO ₄ (ppm)	NS	NS	0.33 - 1.63	0.7	No	2006	Internal corrosion of household water plumbing systems; erosion of natural deposits