



**CENTRAL COAST WATER AUTHORITY  
 POLONIO PASS WATER TREATMENT PLANT  
 2008 CONSUMER CONFIDENCE REPORT DATA**

Please see last page for key to abbreviations.

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED CCWA PPWTP	SOURCE WATER	Major Sources in Drinking Water
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**PRIMARY STANDARDS--Mandatory Health-Related Standards**

**CLARITY (a)**

Combined Filter Effluent Turbidity	NTU	TT=<1 NTU every 4 hours TT=95% of samples <0.3 NTU			Range	0.04 - 0.12	NA	Soil runoff
				Average	100%	NA		

**INORGANIC CHEMICALS**

Aluminum (d)	ppb	1000	600	50	Range	ND - 220	51-139	Residue from water treatment process; Erosion of natural deposits
					Average	93	95	
Arsenic	ppb	10	0.004	2.0	Range	ND	2.2	Erosion of natural deposits; runoff from orchards glass and electronic production waste
					Average	ND	2.2	
Nitrate as NO3	ppm	45	45	2.0	Range	2.3	2.3	Runoff/leaching from fertilizer use; Septic tank/ sewage leaching; erosion of natural deposits
					Average	2.3	2.3	
Nitrate + Nitrite as N	ppm	10	10	--	Range	0.53	0.53	Runoff/leaching from fertilizer use; Septic tank/ sewage leaching; erosion of natural deposits
					Average	0.53	0.53	

**RADIONUCLIDES**

Gross Beta Particle Activity (2004)	pCi/L	50	(0)	4	Range	NC	7.3	Decay of natural and manmade deposits
					Average	NC	7.3	

**SECONDARY STANDARDS--Aesthetic Standards**

Chloride	ppm	500	NA	--	Range	57 - 138	53 - 135	Runoff/leaching from natural deposits; seawater influence
					Average	106	102	
Color (ACU)	Units	15	NA	--	Range	3	20	Naturally occurring organic materials
					Average	3	20	
Corrosivity	SI	non-corrosive	NA	--	Range	non-corrosive	NA	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
					Average	non-corrosive	NA	
Iron	ppb	300	NA	100	Range	ND	120	Leaching from natural deposits; industrial wastes
					Average	ND	120	
Manganese	ppb	50	NA	20	Range	ND	11	Leaching from natural deposits
					Average	ND	11	
Odor Threshold	Units	3	NA	1	Range	1 - 3	2 - 20	Naturally occurring organic materials
					Average	1	5	
Specific Conductance	µS/cm	1600	NA	--	Range	489 - 720	446 - 680	Substances that form ions when in water; seawater influence.
					Average	595	553	
Sulfate	ppm	500	NA	0.5	Range	58	42	Runoff/leaching from natural deposits; industrial wastes
					Average	58	42	
Total Dissolved Solids	ppm	1000	NA	--	Range	294 - 432	261 - 410	Runoff/leaching from natural deposits; seawater influence
					Average	357	332	
Turbidity (Monthly)	NTU	5	NA	--	Range	0.04 - 0.17	0.39 - 17	Soil runoff
					Average	.06	3	

**Additional Parameters (Unregulated):**

Alkalinity (Total) as CaCO <sub>3</sub> equivalents	ppm	NA	NA	--	Range	64 - 90	64 - 94	Runoff/leaching from natural deposits; seawater influence
					Average	78	83	
Calcium	ppm	NA	NA	--	Range	46 - 76	48 - 76	Runoff/leaching from natural deposits; seawater influence
					Average	58	58	
Hardness (Total) as CaCO <sub>3</sub>	ppm	NA	NA	--	Range	96 - 150	94 - 150	Leaching from natural deposits
					Average	120	120	
Heterotrophic Plate Count (e)	CFU/mL	TT	NA	--	Range	<1 - 2	NA	Naturally present in the environment
					Average	1	NA	
Magnesium	ppm	NA	NA	--	Range	14	15	Runoff/leaching from natural deposits; seawater influence
					Average	14	15	
pH	pH Units	NA	NA	--	Range	7.3 - 9.0	7.3 - 9.4	Runoff/leaching from natural deposits; seawater influence
					Average	8.2	8.4	
Potassium	ppm	NA	NA	--	Range	3.1	3.4	Runoff/leaching from natural deposits; seawater influence
					Average	3.1	3.4	
Sodium	ppm	NA	NA	--	Range	62	59	Runoff/leaching from natural deposits; seawater influence
					Average	62	59	
Total Organic Carbon (f) (TOC)	ppm	TT	NA	0.30	Range	1.3 - 3.5	2.2 - 5.7	Various natural and manmade sources.
					Average	2.3	3.9	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	CCWA Distribution	Major Sources in Drinking Water
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### Distribution System Water Quality

#### MICROBIOLOGICAL (b)

Total Coliform Bacteria (Distribution System)	--	5.0% of monthly samples	0	--	Range	0.0%	Naturally present in the environment
					Average	0 Positives	
					Highest	0 Positives	
Fecal Coliform and E. coli (Distribution System)	--	--	0	--	Range	0 Positives	Human and animal fecal waste
					Average	0 Positives	
					Highest	0 Positives	

#### ORGANIC CHEMICALS

Total Trihalomethanes (Distribution System) (c)	ppb	80	NA	0.5	Range	44 - 75	By-product of drinking water chlorination
					Average	58	
Haloacetic Acids (c) (Distribution System)	ppb	60	NA	1.0 (g)	Range	7 - 18	By-product of drinking water chlorination
					Average	11.6	

#### DISINFECTION

Total Chlorine Residual (Distribution System)	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range	1.7 - 3.5	Measurement of the disinfectant used in the production of drinking water
					Average	2.3	

### ABBREVIATIONS AND NOTES

#### Footnotes:

(a) Turbidity (NTU) is a measure of the cloudiness of the water and it is a good indicator of the effectiveness of our filtration system. Monthly turbidity values are listed in the Secondary Standards section.

(b) Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform positive. Fecal coliform/E. coli MCLs: The occurrence of 2 consecutive total coliform positive samples, one of which contains fecal coliform/E. coli, constitutes an acute MCL violation. These MCLs were not violated in 2008. Results are based on the distribution system's highest percent positives. Compliance is based on the combined samples from the distribution system.

(c) Compliance based on the running quarterly annual average of distribution system samples.

(d) Aluminum has a Secondary MCL of 200 ppb.

(e) Pour plate technique -- monthly averages.

(f) TOCs are taken at the treatment plant's combined filter effluent.

(g) Monochloroacetic Acid (MCAA) has a DLR of 2.0 ug/L while the other four Haloacetic Acids have DLR's of 1.0 ug/L.

#### Abbreviations

AL = Regulatory Action Level  
 ACU = Apparent Color Units  
 CCWA = Central Coast Water Authority  
 CFU/ml = Colony Forming Units per milliliter  
 DHS = Department of Health Services  
 DLR = Detection Level for purposes of Reporting  
 MCL = Maximum Contaminant Level  
 MCLG = Maximum Contaminant Level Goal  
 MFL = Million Fibers Per Liter  
 MRDL = Maximum Residual Disinfectant Level  
 MRDLG = Maximum Residual Disinfectant Goal  
 NA = Not Applicable  
 NC = Not Collected  
 NL = Notification Level  
 NTU = Nephelometric Turbidity Units  
 pCi/L = PicoCuries per liter  
 PHG = Public Health Goal  
 ppb = parts per billion, or micrograms per liter (µg/L)  
 ppm = parts per million, or milligrams per liter (mg/L)  
 PPWTP = Polonio Pass Water Treatment Plant  
 SI = Saturation Index  
 TOC = Total Organic Carbon  
 TT = Treatment Technique  
 UCMR = Unregulated Contaminant Monitoring Regulation  
 µmho/cm = micromhos per centimeter ; (unit of specific conductance of water)

### Central Coast Water Authority 2008 Water Quality Report

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MLR)	Source Water		Treated Water		Major Sources in Drinking Water
					State Water Project		Polonio Pass WTP		
					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
<b>Microbiological</b>									
Total Coliform	%	5.0 (f)	(0)	NA	NA	NA	12/31/2008	0%	Naturally present in the environment
Fecal Coliform	(g)	(g)	(0)	NA	NA	NA	12/31/2008	0%	Naturally present in the environment
	Oocysts/					ND		ND	
Cryptosporidium	200 L	TT	(0)	NA	12/17/08	ND	12/12/06	ND	Naturally present in the environment
	Cysts/					ND		ND	
Giardia	200 L	TT	(0)	NA	12/17/08	ND	12/12/06	ND	Naturally present in the environment
<b>ORGANIC CHEMICALS</b>									
<b>Pesticides/PCBs (EPA 505)</b>									
PCB 1016 Aroclor	ppb	NA	NA	(0.08)	5/20/2008	ND	5/20/2008	ND	
PCB 1221 Aroclor	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
PCB 1232 Aroclor	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
PCB 1242 Aroclor	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
PCB 1248 Aroclor	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
PCB 1254 Aroclor	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
PCB 1260 Aroclor	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
Alachlor (Alanex)	ppb	2	4	1	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide used on row crops
Aldrin	ppb	NA	NA	(0.01)	5/20/2008	ND	5/20/2008	ND	
Chloradane	ppb	0.1	0.03	0.1	5/20/2008	ND	5/20/2008	ND	Residue of banned insecticide
Dieldrin	ppb	NA	NA	0.01	5/20/2008	ND	5/20/2008	ND	
Endrin	ppb	2	1.8	0.1	5/20/2008	ND	5/20/2008	ND	Residue of banned insecticide and rodenticide
Heptachlor	ppb	0.01	0.008	(0.01)	5/20/2008	ND	5/20/2008	ND	
Heptachlor Epoxide	ppb	0.01	0.006	(0.01)	5/20/2008	ND	5/20/2008	ND	
Lindane	ppb	0.2	0.032	0.2	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from insecticide used on cattle, lumber, and gardens
Methoxychlor	ppb	30	30	(0.05)	5/20/2008	ND	5/20/2008	ND	
Total PCB's	ppb	0.5	0.09	0.5	5/20/2008	ND	5/20/2008	ND	Runoff from landfills; discharge of waste chemicals
Toxaphene	ppb	3	0.03	1	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from insecticide used on cotton and cattle

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					State Water Project		Polonio Pass WTP		
					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
<b>Aldicarb (EPA 531.2)</b>									
3- Hydroxycarbofuran	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Aldicarb (Temik)	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Aldicarb sulfoone	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Aldicarb sulfoxide	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Baygon (Propoxur)	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Carbofuran (Furadan)	ppb	18	1.7	5	5/20/2008	ND	5/20/2008	ND	Leaching of soil fumigant used on rice, alfalfa, and grape vineyards
Carbaryl	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Methiocarb	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Methomyl	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Oxymyl (Vydate)	ppb	50	50	20	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from isecticide used on field crops, fruits and ornamentals, especially on apples, potatoes, and tomatoes
<b>Diquat and Paraquat (EPA 549.2)</b>									
Diquat	ppb	20	15	4	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide use for terrestrial and aquatic weeds
Paraquat	ppb	NA	NA	(2.0)	5/20/2008	ND	5/20/2008	ND	
<b>EDB and DBCP (EPA 504.1)</b>									
Dibromochloropropane (DBCP)	ppb	0.2	0.0017	0.01	5/20/2008	ND	5/20/2008	ND	Banned nematocide that may still be present in soils due to runoff from former use on soybeans, cotton, vineyards, tomatoes, fruit
Ethylene Dibromide (EDB)	ppb	0.05	.01	0.02	5/20/2008	ND	5/20/2008	ND	Discharge from petroleum refineries; underground gas tank leaks; banned nematocide that may still be present in soils due to runoff

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
<b>Herbicides (EPA 515.4)</b>									
2,4,5-T	ppb	NA	NA	(0.2)	5/20/2008	ND	5/20/2008	ND	
2,4,5-TP (Silvex)	ppb	50	25	1	5/20/2008	ND	5/20/2008	ND	Residue from banned herbicide
2,4-D	ppb	70	70	10	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide used on row crops, range land, lawns, and aquatic weeds
2,4,-DB	ppb	NA	NA	(2.0)	5/20/2008	ND	5/20/2008	ND	
Dichlorprop	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Acifluorfen	ppb	NA	NA	(0.2)	5/20/2008	ND	5/20/2008	ND	
Bentazon	ppb	18	200	2	5/20/2008	ND	5/20/2008	ND	Runoff and leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
Dalapon	ppb	200	790	10	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide used on right-of-way, and crops and landscape maintenance
3,5-Dichlorobenzoic acid	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Tot DCPA Mono & Diacid Degradate	ppb	NA	NA	(1.0)	5/20/2008	ND	5/20/2008	ND	
Dicamba	ppb	NA	NA	(0.08)	5/20/2008	ND	5/20/2008	ND	
Dinoseb	ppb	7	14	0.2	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
Pentachlorophenol	ppb	1	0.4	0.2	5/20/2008	ND	5/20/2008	ND	Discharge from wood preserving factories; cotton and other insecticidal and herbicidal uses
Picloram	ppb	500	500	1	5/20/2008	ND	5/20/2008	ND	Herbicide runoff

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
<b>Semivolatiles (EPA 525.2)</b>									
2,4-Dinitrotoluene	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
alpha-Chlordane	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Diazinon	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
Acenaphthylene	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
Alachlor	ppb	2	4	0.05	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide used on row crops
Aldrin	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Anthracene	ppb	NA	NA	(0.02)	5/20/2008	ND	5/20/2008	ND	
Atrazine	ppb	1	0.15	1	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
Benz (a) Anthracene	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Benzo (a) pyrene	ppb	0.2	0.004	0.1	5/20/2008	ND	5/20/2008	ND	Leaching from linings of water storage tanks and distribution lines
Benzo (b) Fluoranthene	ppb	NA	NA	(0.02)	5/20/2008	ND	5/20/2008	ND	
Benzo (g,h,i) Perylene	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Benzo (k) Fluoranthene	ppb	NA	NA	(0.02)	5/20/2008	ND	5/20/2008	ND	
Di (2-Ethylhexyl) phthalate	ppb	4	12	3	5/20/2008	ND	5/20/2008	ND	Discharge from rubber and chemical factories; inert ingredient in pesticides
Butylbenzylphthalate	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Bromacil	ppb	NA	NA	(0.2)	5/20/2008	ND	5/20/2008	ND	
Butachlor	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Caffeine	ppb	NA	NA	(0.02)	5/20/2008	ND	5/20/2008	ND	
Chrysene	ppb	NA	NA	(0.02)	5/20/2008	ND	5/20/2008	ND	
Dibenz (a,h) Anthracene	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Di-(2-Ethylhexyl) adipate	ppb	400	200	5	5/20/2008	ND	5/20/2008	ND	Discharge from chemical factories
Diethylphthalate	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Dieldrin	ppb	NA	NA	(0.2)	5/20/2008	ND	5/20/2008	ND	
Dimethylphthalate	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Dimethoate	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	
Di-n-Butylphthalate	ppb	NA	NA	(1.0)	5/20/2008	ND	5/20/2008	ND	
Endrin	ppb	2	1.8	0.2	5/20/2008	ND	5/20/2008	ND	Residue of banned insecticide and rodenticide
Fluoranthene	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	

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Fluorene	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
gamma-Chlordane	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Hexachlorobenzene	ppb	1	0.03	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from metal refineries and agricultural chemical factories; byproduct of chlorination reactions in watsewater
Hexachlorocyclopentadiene	ppb	50	50	1	5/20/2008	ND	5/20/2008	ND	Discharge from chemical factories
Heptachlor	ppb	0.01	0.008	0.01	5/20/2008	ND	5/20/2008	ND	Residue of banned insecticide
Heptachlor Epoxide (isomer B)	ppb	0.01	0.006	0.01	5/20/2008	ND	5/20/2008	ND	Breakdown of heptachlor
Indeno (1,2,3,c,d) Pyrene	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Isophorone	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Lindane	ppb	NA	NA	0.2	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	ppb	30	30	10	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Metribuzin	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Molinate	ppb	20	NA	2	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from herbicide used on rice
Metolachlor	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
trans-Nonachlor	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Pentachlorophenol	ppb	1	0.4	(1.0)	5/20/2008	ND	5/20/2008	ND	
Phenanthrene	ppb	NA	NA	(0.04)	5/20/2008	ND	5/20/2008	ND	
Propachlor	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Pyrene	ppb	NA	NA	(0.05)	5/20/2008	ND	5/20/2008	ND	
Simazine	ppb	4	4	1	5/20/2008	0.05	5/20/2008	ND	Herbicide runoff
Thiobencarb	ppb	70	70	1	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from herbicide used on rice
Trifluralin	ppb	NA	NA	(0.1)	5/20/2008	ND	5/20/2008	ND	

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
<b>INORGANIC CHEMICALS</b>									
Silver, Total	ppb	100	NA	10	5/20/2008	ND	5/20/2008	ND	Erosion of natural deposits; runoff from orchards; glass and electronic production wastes
Arsenic	ppb	10	0.004	2	5/20/2008	2.2	5/20/2008	ND	
Asbestos	MFL	7	7	0.2	5/20/2008	ND	5/20/2008	ND	Internal corrosion of asbestos cement water mains; erosion of natural deposits
Barium, Total	ppb	1,000	2,000	100	5/20/2008	37	5/20/2008	37	Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium, Total	ppb	4	1	1	5/20/2008	ND	5/20/2008	ND	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, and defense industries
Cadmium, Total	ppb	5	0.04	1	5/20/2008	ND	5/20/2008	ND	Internal corrosion of galvanized pipes; erosion of natural deposits; discharge from electroplating and metal refineries
Perchlorate	ppb	6	6	4.0	5/20/2008	ND	5/20/2008	ND	
Cyanide	ppm	0.15	0.15	0.1	5/20/2008	ND	5/20/2008	ND	Discharge from steel/metal, plastic, and fertilizer factories
Chromium, Total	ppb	50	100	10	5/20/2008	ND	5/20/2008	ND	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Copper, Total	ppb	1300 (c)	170	50	5/20/2008	2.4	5/20/2008	3.7	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Dioxins (2,3,7,8-TCDD)	ppt	0.03	(0)	0.005	5/20/2008	ND	5/20/2008	ND	Emissions from waste incineration and other combustion; discharge from chemical factories
Endothall	ppb	100	580	45	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide use for land and aquatic weeds; defoliant
Fluoride	ppm	2.0	1	0.1	5/20/2008	0.09	5/20/2008	0.08	Erosion of natural deposits; water additives that promotes strong teeth; discharge from fertilizer and aluminum factories
Iron, Total	ppm	NA	NA	0.1	5/20/2008	0.12	5/20/2008	ND	
Glyphosate	ppb	700	900	25	5/20/2008	ND	5/20/2008	ND	Runoff from herbicide use
Bicarbonate Alkalinity as HCO <sub>3</sub>	ppm	NA	NA	2.0	5/20/2008	108	5/20/2008	94.4	
Mercury	ppb	2	1.2	1	5/20/2008	ND	5/20/2008	ND	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and cropland
Manganese, Total	ppb	NA	NA	20	5/20/2008	11	5/20/2008	ND	
Nickel, Total	ppb	100	12	10	5/20/2008	ND	5/20/2008	ND	Erosion of natural deposits; discharge from metal factories
Nitrite, Nitrogen	ppm	1	1	0.10	5/20/2008	ND	5/20/2008	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate as Nitrogen	ppm	10	10	0.4	5/20/2008	0.53	5/20/2008	0.53	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate as NO <sub>3</sub>	ppm	45	45	2	5/20/2008	2.3	5/20/2008	2.3	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Odor	TON	NA	NA	1	5/20/2008	2	5/20/2008	2	
Hydroxide as OH	ppm	NA	NA	2.0	5/20/2008	ND	5/20/2008	ND	
Lead, Total	ppb	15(c)	2	5	5/20/2008	ND	5/20/2008	ND	Internal corrosion of household plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Antimony, Total	ppb	6	20	6	5/20/2008	ND	5/20/2008	ND	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Selenium, Total	ppb	50	(50)	5	5/20/2008	ND	5/20/2008	ND	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines; runoff from livestock lots
Sulfate	ppm	NA	NA	0.5	5/20/2008	42	5/20/2008	58	
Thallium, Total	ppb	2	0.1	1	5/20/2008	ND	5/20/2008	ND	Leaching from ore processing sites; discharge from electronics, glass, and drug factories



### Central Coast Water Authority 2008 Water Quality Report

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MLR)	Source Water		Treated Water		Major Sources in Drinking Water
					<i>State Water Project</i>		<i>Polonio Pass WTP</i>		
					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
Zinc, Total	ppb	5000	NA	50	5/20/2008	ND	5/20/2008	ND	
<b>RADIOLOGICALS (f)</b>									
Gross Alpha									
Particle Activity	pCi/L	15	(0)	3	5/20/2008	ND	5/20/2008	ND	Erosion of Natural deposits

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
<b>Regulated VOC's plus Lists 1&amp;3 (EPA 524.2)</b>									
1,1,1,2-Tetrachloroethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
1,1,1-Trichloroethane	ppb	200	1,000	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
1,1,2-Trichloroethane	ppb	5	0.3	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories
1,1-Dichloroethane	ppb	5	3	0.5	5/20/2008	ND	5/20/2008	ND	Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
1,1-Dichloroethylene	ppb	6	10	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories
1,1-Dichloropropene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
1,2,3-Trichlorobenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
1,2,3-Trichloropropane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
1,2,4-Trichlorobenzene	ppb	5	5	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from textile finishing factories
1,2,4-Trimethylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
1,2-Dichloroethane	ppb	0.5	0.4	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories
1,2-Dichloropropane	ppb	5	0.5	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories; primary component of some fumigants
1,3,5-Trimethylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
1,3-Dichloropropane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
p-Dichlorobenzene (1,4-DCB)	ppb	5	6	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories
2,2-Dichloropropane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
2-Butanone (MEK)	ppb	NA	NA	(5.0)	5/20/2008	ND	5/20/2008	ND	
o-Chlorotoluene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
p-Chlorotoluene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
4-Methyl-2-Pentanone (MIBK)	ppb	NA	NA	(5.0)	5/20/2008	ND	5/20/2008	ND	
Benzene	ppb	1	0.15	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
Bromobenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Bromomethane (Methyl Bromide)	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Bromoethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
cis-1,2-Dichloroethylene	ppb	6	100	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination
Chlorobenzene	ppb	70	200	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial and agricultural chemical factories and drycleaning facilities

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
Carbon Tetrachloride	ppb	0.5	0.1	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from chemical plants and other industrial activities
cis-1,3-Dichloropropene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Bromoform	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Chloroform (Trichloromethane)	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Bromochloromethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Chloroethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Chloromethane (Methyl Chloride)	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Chlorodibromomethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Dibromomethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Bromodichloromethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Dichloromethane	ppb	5	4	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from pharmaceutical and chemical factories; insecticide
Di-isopropyl ether	ppb	NA	NA	(3.0)	5/20/2008	ND	5/20/2008	ND	
Ethyl benzene	ppb	300	300	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from petroleum refineries; industrial chemical factories
Dichlorodifluoromethane	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Fluorotrichloromethane-Freon 11	ppb	150	700	5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
Hexachlorobutadiene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Isopropylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
m-Dichlorobenzene (1,3-DCB)	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
m,p-Xylenes	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Methyl Tert-butyl ether (MTBE)	ppb	13	13	3	5/20/2008	ND	5/20/2008	ND	Leaking from underground gasoline storage tanks; discharge from petroleum and chemical factories
Naphthalene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
n-Butylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
n-Propylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
o-Xylene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
o-Dichlorobenzene (1,2-DCB)	ppb	600	600	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories
Tetrachloroethylene (PCE)	ppb	5	0.06	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from factories, drycleaners, and auto shops (metal degreaser)
p-Isopropyltoluene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
sec-Butylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
Styrene	ppb	100	(100)	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from rubber and plastic factories; leaching from landfills
trans-1,2-Dichloroethylene	ppb	10	60	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from industrial chemical factories; minor biodegradation byproduct of TCE and PCE groundwater contamination
tert-amyl Methyl Ether	ppb	NA	NA	(3.0)	5/20/2008	ND	5/20/2008	ND	
tert-Butyl Ethyl Ether	ppb	NA	NA	(3.0)	5/20/2008	ND	5/20/2008	ND	
tert-Butylbenzene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Trichloroethylene (TCE)	ppb	5	0.8	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from metal degreasing sites and other factories
Trichlorotrifluoroethane (Freon)	ppb	0.0012	0.004	10	5/20/2008	ND	5/20/2008	ND	Discharge from metal degreasing sites and other factories; drycleaning solvent refrigerant
trans-1,3-Dichloropropene	ppb	NA	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Toluene	ppb	150	150	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from petroleum and chemical factories; underground gas tank leaks
Total 1,3-Dichloropropene	ppb	0.5	.02	0.5	5/20/2008	ND	5/20/2008	ND	Runoff/leaching from nematocide used on croplands
Total THM	ppb	80	NA	(0.5)	5/20/2008	ND	5/20/2008	ND	
Total Xylenes	ppb	0.00175	0.0018	0.5	5/20/2008	ND	5/20/2008	ND	Discharge from petroleum and chemical factories; fuel solvent
Vinyl Chloride	ppb	0.5	0.05	0.5	5/20/2008	ND	5/20/2008	ND	Leaching from PVC piping; discharge from plastic factories; biodegradation byproduct of TCE and PCE groundwater contamination

## ABBREVIATIONS AND FOOTNOTES

### Abbreviations

AI	Aggressiveness Index	Maximum Residual Disinfectant Level
AL	Action Level	Maximum Residual Disinfectant Level Goal
DCPA	Dimethyl Tetrachloroterephthalate	Nitrogen
CFU	Colony-Forming Units	Not Applicable
DLR	Detection Limits for purposes of Reporting	Not Collected
MBAS	Methylene Blue Active Substances	None Detected
MCL	Maximum Contaminant Level	Notification Level
MCLG	Maximum Contaminant Level Goal	Nephelometric Turbidity Units
MFL	Million Fibers per Liter	picoCuries per Liter
MPN	Most Probable Number	Public Health Goal
MRL	Minimum Reporting Level	

### Footnotes

- (a) Aluminum, copper, MTBE, and thiobencarb have both primary and secondary standards.
- (b) MTBE reporting level is 0.5 ppb.
- (c) Lead and copper are regulated as a Treatment Technique under the Lead and Copper Rule. It requires systems to take water samples at the consumers' tap. The action levels, which trigger water systems into taking treatment steps if exceeded in more than 10% of the tap water samples, are 1.3 ppm for copper and 15 ppb for lead.
- (d) State MCL is 45 mg/L as nitrate, which equals 10 mg/L as N.
- (e) The State primary MCL for perchlorate was set at 6 ppb effective October 18, 2007. Perchlorate reporting level is 2 ppb.
- (f) Total Coliform MCL: No more than 5% of the monthly samples may be total coliform positive
- (g) Fecal Coliform/E. coli MCL: The occurrence of two consecutive total coliform samples, one of which contains Fecal/E. coli constitutes an acute MCL violation