



**CENTRAL COAST WATER AUTHORITY  
POLONIO PASS WATER TREATMENT PLANT  
2013 CONSUMER CONFIDENCE REPORT DATA**

Please see last page for key to abbreviations.

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED	SOURCE	Major Sources in Drinking Water
						CCWA	STATE WATER	

**PRIMARY STANDARDS--Mandatory Health-Related Standards**

**CLARITY (a)**

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

**INORGANIC CHEMICALS**

Aluminum	ppm	1 (b)	0.6	0.05	Range	ND - 0.15	ND - 0.096	Residue from water treatment process; Erosion of natural deposits
					Average	0.083	0.043	
Arsenic, Total	ppb	10	0.004	2	Range	ND	2.8	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
					Average	ND	2.8	
Nitrate as Nitrogen	ppm	10	10	0.4	Range	0.41	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.41	ND	

**RADIONUCLIDES**

Gross Alpha Particle	pCi/L	15	(0)	3	Range	ND - 3.9	ND - 3.7	Erosion of natural deposits
					Average	2.0	1.9	
Uranium	pCi/L	20	0.43	1	Range	ND	1.0	Erosion of natural deposits
					Average	ND	1.0	

**DISTRIBUTION SYSTEM MONITORING**

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range	1.2 - 3.5	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.2	NA	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	ND - 75	NA	By-product of drinking water chlorination
					Average	52	NA	
Haloacetic Acids (d)	ppb	60 (e)	NA	NA	Range	10 - 34	NA	By-product of drinking water chlorination
					Average	18	NA	

**SECONDARY STANDARDS--Aesthetic Standards**

Chloride	ppm	500	NA	NA	Range	45 - 136	41 - 134	Runoff/leaching from natural deposits; seawater influence
					Average	90	86	
Color	ACU	15	NA	NA	Range	ND	15	Naturally-occurring organic materials
					Average	ND	15	
Iron, Total	ppb	300	NA	100	Range	ND	80	Leaching from natural deposits; industrial wastes
					Average	ND	80	
Odor Threshold	TON	3	NA	1	Range	ND - 1	ND - 8	Naturally-occurring organic materials
					Average	ND	1.5	
Specific Conductance	uS/cm	1600	NA	NA	Range	366 - 715	308 - 634	Substances that form ions when in water; seawater influence
					Average	569	523	
Sulfate	ppm	500	NA	0.5	Range	36	38	Runoff/leaching from natural deposits; industrial wastes
					Average	36	38	
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range	218 - 423	182 - 375	Runoff/leaching from natural deposits;
					Average	336	309	
Turbidity (Monthly)	NTU	5	NA	NA	Range	0.04 - 0.17	0.45 - 5.8	Soil runoff
					Average	0.06	1.6	

**ADDITIONAL PARAMETERS (Unregulated)**

Alkalinity (Total) as CaCO <sub>3</sub> equivalents	ppm	NA	NA	NA	Range	60 - 90	60 - 96	Runoff/leaching from natural deposits; seawater influence
					Average	72	78	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	TREATED		SOURCE	
					Range Average	CCWA	STATE WATER	Major Sources in Drinking Water
Calcium	ppm	NA	NA	NA	Range	34 - 78	32 - 80	Runoff/leaching from natural deposits; seawater influence
					Average	54	54	
Hardness (Total) as CaCO <sub>3</sub>	ppm	NA	NA	NA	Range	76 - 150	76 - 156	Leaching from natural deposits
					Average	111	111	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 2	NA	Naturally present in the environment
					Average	0.4	NA	
Magnesium	ppm	NA	NA	NA	Range	10	13	Runoff/leaching from natural deposits; seawater influence
					Average	10	13	
pH	pH Units	NA	NA	NA	Range	7.4 - 8.6	7.5 - 9.5	Runoff/leaching from natural deposits; seawater influence
					Average	8.3	8.6	
Potassium	ppm	NA	NA	NA	Range	2.4	3.0	Runoff/leaching from natural deposits; seawater influence
					Average	2.4	3.0	
Sodium	ppm	NA	NA	NA	Range	42	55	Runoff/leaching from natural deposits; seawater influence
					Average	42	55	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.7 - 3.2	2.4 - 6.1	Various natural and manmade sources.
					Average	2.4	3.7	

## ABBREVIATIONS AND NOTES

### Footnotes:

- 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.
- Aluminum has a Secondary MCL of 200 ppb.
- 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.
- Compliance based on the running quarterly annual average of distribution system samples.
- 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.
- Pour plate technique -- monthly averages.
- TOCs are taken at the treatment plant's combined filter effluent.
- State MCL is 45 mg/L as NO<sub>3</sub>, which equals 10 mg/L as N.

### Abbreviations

AL = Regulatory Action Level  
ACU = Apparent Color Units  
CCWA = Central Coast Water Authority  
CDPH = California Department of Public Health  
CFU/ml = Colony Forming Units per milliliter  
DLR = Detection Level for purposes of Reporting  
LSI = Langelier Saturation Index  
MCL = Maximum Contaminant Level  
MCLG = Maximum Contaminant Level Goal  
MFL = Million Fibers Per Liter  
MRDL = Maximum Residual Disinfectant Level  
MRDLG = Maximum Residual Disinfectant Level 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)  
ppt = parts per trillion, or nanograms per liter (ng/L)  
PPWTP = Polonio Pass Water Treatment Plant  
SI = Saturation Index  
TON = Threshold Odor Number  
TT = Treatment Technique  
UCMR = Unregulated Contaminant Monitoring Regulation  
umhos/cm = µS/cm or microsiemens per centimeter  
(unit of specific conductance of water)

Central Coast Water Authority 2013 Non-Detect Table

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MRL)	Raw 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>									
Cryptosporidium	Oocysts/200L	TT	(0)	NA	12/10/2013	0	NC	NC	Naturally present in the environment
Fecal Coliform and E. coli	--	(a)	(0)	NA	NA	NA	12/31/2013	0	Human and animal fecal waste
Giardia	Cysts/200L	TT	(0)	NA	12/10/2013	0	NC	NC	Naturally present in the environment
Total Coliform - Distribution Samples	% positive	(b)	(0)	NA	NA	NA	12/30/2013	0%	Naturally present in the environment
Total Coliform - WTP Samples	% positive	(b)	(0)	NA	NA	NA	12/31/2013	0%	Naturally present in the environment
<b>RADIONUCLIDES</b>									
Gross Beta Particle	pCi/L	50	(0)	4	12/18/2013	ND	12/18/2013	ND	Decay of natural and man-made deposits
Radium 226	pCi/L	NA	0.05	1	12/18/2013	ND	12/18/2013	ND	Decay of natural and man-made deposits
Radium 228	pCi/L	NA	0.019	1	12/18/2013	ND	12/18/2013	ND	Decay of natural and man-made deposits
<b>ORGANIC CHEMICALS</b>									
<b>Regulated VOC's plus Lists 1&amp;3 (EPA 524.2)</b>									
1,1,1,2-Tetrachloroethane	ppb	NA	NA	0.5	5/29/2013	ND	5/29/2013	ND	
1,1,1-Trichloroethane (1,1,1-TCA)	ppb	200	1,000	0.5	5/29/2013	ND	5/29/2013	ND	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	5/29/2013	ND	5/29/2013	ND	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
1,1,2-Trichloroethane (1,1,2-TCA)	ppb	5	0.3	0.5	5/29/2013	ND	5/29/2013	ND	Discharge from industrial chemical factories
1,1-Dichloroethane (1,1-DCA)	ppb	5	3	0.5	5/29/2013	ND	5/29/2013	ND	Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
1,1-Dichloroethylene (1,1-DCE)	ppb	6	10	0.5	5/29/2013	ND	5/29/2013	ND	Discharge from industrial chemical factories
1,1-Dichloropropene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/2013	ND	
1,2,3-Trichlorobenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/2013	ND	
1,2,3-Trichloropropane	ppb	NA (g)	0.0007	0.005	5/29/2013	ND	5/29/2013	ND	
1,2,4-Trichlorobenzene	ppb	5	5	0.5	5/29/2013	ND	5/29/2013	ND	Discharge from textile-finishing factories
1,2,4-Trimethylbenzene	ppb	NA	NA	(0.5)	5/29/2013	ND	5/29/2013	ND	
1,2-Dichloroethane (1,2-DCA)	ppt	500	400	500	5/29/2013	ND	5/29/2013	ND	Discharge from industrial chemical factories
1,2-Dichloropropane	ppb	5	0.5	0.5	5/29/2013	ND	5/29/2013	ND	Discharge from industrial chemical factories; primary component of some fumigants
1,3,5-Trimethylbenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/2013	ND	

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1,3-Dichloropropane	ppb	NA	NA	0.5	5/29/2013	ND	5/29/2013	ND	
2,2-Dichloropropane	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
2-Butanone (MEK)	ppb	NA	NA	5	5/29/2013	ND	5/29/213	ND	
4-Methyl-2-pentanone (MIBK)	ppb	NA	NA	5	5/29/2013	ND	5/29/213	ND	
Benzene	ppb	1	0.15	0.5	5/29/2013	ND	5/29/213	ND	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
Bromobenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Bromochloromethane	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Bromoethane	ppb	NA	NA	(0.5)	5/29/2013	ND	5/29/213	ND	
Bromomethane (Methyl Bromide)	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Carbon disulfide	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Carbon tetrachloride	ppt	500	100	500	5/29/2013	ND	5/29/213	ND	Discharge from chemical plants and other industrial activities
Monochlorobenzene (Chlorobenzene)	ppb	70	200	0.5	5/29/2013	ND	5/29/213	ND	Discharge from industrial and agricultural chemical factories and drycleaning facilities
Chloroethane	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Chloromethane (Methyl chloride)	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
cis-1,2-Dichloroethylene (c-1,2-DCE)	ppb	6	100	0.5	5/29/2013	ND	5/29/213	ND	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination
cis-1,3-Dichloropropene	ppb	NA	NA	(0.5)	5/29/2013	ND	5/29/213	ND	Runoff/leaching from nematocide used on croplands
Diisopropyl ether (DIPE)	ppb	NA	NA	3	5/29/2013	ND	5/29/213	ND	
Dibromomethane	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Dichlorodifluoromethane (Freon 12)	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Dichloromethane (Methylene chloride)	ppb	5	4	0.5	5/29/2013	ND	5/29/213	ND	Discharge from pharmaceutical and chemical factories; insecticide
Ethyl benzene	ppb	300	300	0.5	5/29/2013	ND	5/29/213	ND	Discharge from petroleum refineries; industrial chemical factories
Hexachlorobutadiene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Isopropylbenzene (Cumene)	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
m,p-Xylenes	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	Discharge from petroleum and chemical factories; fuel solvent
1,3-Dichlorobenzene (m-DCB)	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Methyl tert-butyl ether (MTBE) (c)	ppb	13 (d)	13	3	5/29/2013	ND	5/29/213	ND	Leaking underground storage tanks; discharge from petroleum and chemical factories
n-Butylbenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
n-Propylbenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	

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Naphthalene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
2-Chlorotoluene (o-Chlorotoluene)	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
1,2-Dichlorobenzene (o-DCB)	ppb	600	600	0.5	5/29/2013	ND	5/29/213	ND	Discharge from industrial chemical factories
o-Xylene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	Discharge from petroleum and chemical factories; fuel solvent
p-Chlorotoluene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
1,4-Dichlorobenzene (p-DCB)	ppb	5	6	0.5	5/29/2013	ND	5/29/213	ND	Discharge from industrial chemical factories
p-Isopropyltoluene	ppb	NA	NA	(0.5)	5/29/2013	ND	5/29/213	ND	
sec-Butylbenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Styrene	ppb	100	0.5	0.5	5/29/2013	ND	5/29/213	ND	Discharge from rubber and plastic factories; leaching from landfills
tert-Amyl methyl ether (TAME)	ppb	NA	NA	3	5/29/2013	ND	5/29/213	ND	
tert-Butyl ethyl ether (ETBE)	ppb	NA	NA	3	5/29/2013	ND	5/29/213	ND	
tert-Butylbenzene	ppb	NA	NA	0.5	5/29/2013	ND	5/29/213	ND	
Tetrachloroethylene (PCE)	ppb	5	0.06	0.5	5/29/2013	ND	5/29/213	ND	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
Toluene	ppb	150	150	0.5	5/29/2013	ND	5/29/213	ND	Discharge from petroleum and chemical factories; underground gas tank leaks
Total 1,3-Dichloropropene	ppt	500	200	500	5/29/2013	ND	5/29/213	ND	Runoff/leaching from nematocide used on croplands
Total Xylenes	ppm	1.75	1.8	0.0005	5/29/2013	ND	5/29/213	ND	Discharge from petroleum and chemical factories; fuel solvent
trans-1,2-Dichloroethylene (t-1,2-DCE)	ppb	10	60	0.5	5/29/2013	ND	5/29/213	ND	Discharge from industrial chemical factories; minor biodegradation byproduct of TCE and PCE groundwater contamination
trans-1,3-Dichloropropene	ppb	NA	NA	(0.5)	5/29/2013	ND	5/29/213	ND	Runoff/leaching from nematocide used on croplands
Trichloroethylene (TCE)	ppb	5	1.7	0.5	5/29/2013	ND	5/29/213	ND	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane (Freon 11)	ppb	150	700	5	5/29/2013	ND	5/29/213	ND	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
Trichlorotrifluoroethane (Freon 113)	ppm	1.2	4	0.01	5/29/2013	ND	5/29/213	ND	Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant
Vinyl chloride (VC)	ppt	500	50	500	5/29/2013	ND	5/29/213	ND	Leaching from PVC piping; discharge from plastics factories; biodegradation byproduct of TCE and PCE groundwater contamination
<b>Organochlorine Pesticides/PCBs (EPA 505)</b>									
Alachlor (Alanex)	ppb	2	4	1	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide used on row crops
Aldrin	ppb	NA	NA	0.075	5/29/2013	ND	7/15/2013	ND	
Chlordane	ppt	100	30	100	5/29/2013	ND	7/15/2013	ND	Residue of banned insecticide
Dieldrin	ppb	NA	NA	0.02	5/29/2013	ND	7/15/2013	ND	
Endrin	ppb	2	1.8	0.1	5/29/2013	ND	7/15/2013	ND	Residue of banned insecticide and rodenticide

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Heptachlor	ppt	10	8	10	5/29/2013	ND	7/15/2013	ND	Residue of banned insecticide
Heptachlor epoxide	ppb	10	6	10	5/29/2013	ND	7/15/2013	ND	Breakdown of heptachlor
Lindane (gamma-BHC)	ppt	200	32	200	5/29/2013	ND	7/15/2013	ND	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	ppb	30	0.09	10	5/29/2013	ND	7/15/2013	ND	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
PCB 1016 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
PCB 1221 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
PCB 1232 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
PCB 1242 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
PCB 1248 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
PCB 1254 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
PCB 1260 Aroclor (as DCB)	ppt	500	NA	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
Total PCB's	ppt	500	90	500	5/29/2013	ND	7/15/2013	ND	Runoff from landfills; discharge of waste chemicals
Toxaphene	ppb	3	0.03	1	5/29/2013	ND	7/15/2013	ND	Runoff/leaching from insecticide used on cotton and cattle
<b>Aldicarb (EPA 531.2)</b>									
3-Hydroxycarbofuran	ppb	NA	NA	3	5/29/2013	ND	7/15/2013	ND	
Aldicarb (Temik)	ppb	NA	NA	3	5/29/2013	ND	7/15/2013	ND	
Aldicarb sulfone	ppb	NA	NA	4	5/29/2013	ND	7/15/2013	ND	
Aldicarb sulfoxide	ppb	NA	NA	3	5/29/2013	ND	7/15/2013	ND	
Baygon (Propoxur)	ppb	NA	NA	(0.5)	5/29/2013	ND	7/15/2013	ND	
Carbaryl	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Carbofuran (FURADAN)	ppb	18	1.7	5	5/29/2013	ND	7/15/2013	ND	Leaching of soil fumigant used on rice and alfalfa, and grape vineyards
Methiocarb	ppb	NA	NA	(0.5)	5/29/2013	ND	7/15/2013	ND	
Methomyl	ppb	NA	NA	2	5/29/2013	ND	7/15/2013	ND	
Oxamyl (Vydate)	ppb	50	26	20	5/29/2013	ND	7/15/2013	ND	Runoff/leaching from insecticide used on field crops, fruits and ornamentals, especially apples, potatoes, and tomatoes
<b>Diquat and Paraquat (EPA 549.2)</b>									
Diquat	ppb	20	15	4	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide use for terrestrial and aquatic weeds
Paraquat	ppb	NA	NA	(2.0)	5/29/2013	ND	7/15/2013	ND	
<b>EDB and DBCP (EPA 551.1)</b>									

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Dibromochloropropane (DBCP)	ppt	200	1.7	10	5/29/2013	ND	7/15/2013	ND	Banned nematocide that may still be present in soils due to runoff/leaching from former use on soybeans, cotton, vineyards, tomatoes, and tree fruit
Ethylene dibromide (EDB)	ppt	50	10	20	5/29/2013	ND	7/15/2013	ND	Discharge from petroleum refineries; underground gas tank leaks; banned nematocide that may still be present in soils due to runoff and leaching from grain and fruit crops
<b>Chlorophenoxy Herbicides (EPA 515.4)</b>									
2,4,5-T	ppb	NA	NA	(0.2)	5/29/2013	ND	7/15/2013	ND	
2,4,5-TP (Silvex)	ppb	50	25	1	5/29/2013	ND	7/15/2013	ND	Residue of banned herbicide
2,4-D	ppb	70	20	10	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide used on row crops, range land, lawns, and aquatic weeds
2,4-DB	ppb	NA	NA	(2.0)	5/29/2013	ND	7/15/2013	ND	
3,5-Dichlorobenzoic acid	ppb	NA	NA	(0.5)	5/29/2013	ND	7/15/2013	ND	
Acifluorfen	ppb	NA	NA	(0.2)	5/29/2013	ND	7/15/2013	ND	
Bentazon (BASAGRAN)	ppb	18	200	2	5/29/2013	ND	7/15/2013	ND	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
Dalapon	ppb	200	790	10	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide used on rights-of-way, and crops and landscape maintenance
Dicamba (BANVEL)	ppb	NA	NA	1.5	5/29/2013	ND	7/15/2013	ND	
Dichloroprop	ppb	NA	NA	(0.5)	5/29/2013	ND	7/15/2013	ND	
Dinoseb (DNBP)	ppb	7	14	2	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
Pentachlorophenol (PCP)	ppb	1	0.3	0.2	5/29/2013	ND	7/15/2013	ND	Discharge from wood preserving factories, cotton and other insecticidal/herbicidal uses
Picloram	ppb	500	500	1	5/29/2013	ND	7/15/2013	ND	Herbicide runoff
DCPA (total Mono & Diacid Degradates)	ppb	NA	NA	(0.1)	5/29/2013	ND	7/15/2013	ND	
<b>Other Synthetic Organics</b>									
Dioxin (2,3,7,8-TCDD)	ppq	30	0.05	5	5/29/2013	ND	7/15/2013	ND	Emissions from waste incineration and other combustion; discharge from chemical factories
Endothall	ppb	100	580	45	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide use for terrestrial and aquatic weeds; defoliant
Glyphosate	ppb	700	900	25	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide use
<b>Semivolatiles (EPA 525.2)</b>									
2,4-Dinitrotoluene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Acenaphthylene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
alpha-Chlordane	ppb	NA	NA	(0.05)	5/29/2013	ND	7/15/2013	ND	
Anthracene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Atrazine (AATREX)	ppb	1	0.15	0.5	5/29/2013	ND	7/15/2013	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways

### Central Coast Water Authority 2013 Non-Detect Table

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MRL)	Raw 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	
Benzo (a) anthracene	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Benzo (a) pyrene	ppt	200	7	100	5/29/2013	ND	7/15/2013	ND	Leaching from linings of water storage tanks and distribution mains
Benzo (b) fluoranthene	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Benzo (g,h,i) perylene	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Benzo (k) fluoranthene	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Bromacil (HYVAR)	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Butachlor	ppb	NA	NA	0.38	5/29/2013	ND	7/15/2013	ND	
Butylbenzylphthalate	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Caffeine	ppb	NA	NA	(0.05)	5/29/2013	ND	7/15/2013	ND	
Chrysene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Di (2-Ethylhexyl) phthalate (DEHP)	ppb	4	12	3	5/29/2013	ND	7/15/2013	ND	Discharge from rubber and chemical factories; inert ingredient in pesticides
Di-(2-Ethylhexyl) adipate	ppb	400	200	5	5/29/2013	ND	7/15/2013	ND	Discharge from chemical factories
di-n-Butylphthalate	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Diazinon	ppb	NA	NA	(0.1)	5/29/2013	ND	7/15/2013	ND	
Dibenz (a,h) anthracene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Diethylphthalate	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Dimethoate (CYGON)	ppb	NA	NA	(0.1)	5/29/2013	ND	7/15/2013	ND	
Dimethylphthalate	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Fluoranthene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
Fluorene	ppb	NA	NA	5	5/29/2013	ND	7/15/2013	ND	
gamma-Chlordane	ppb	NA	NA	(0.05)	5/29/2013	ND	7/15/2013	ND	
Hexachlorobenzene	ppb	1	0.03	0.5	5/29/2013	ND	7/15/2013	ND	Discharge from metal refineries and agricultural chemical factories; byproduct of chlorination reactions in wastewater
Hexachlorocyclopentadiene	ppb	50	50	1	5/29/2013	ND	7/15/2013	ND	Discharge from chemical factories
Indeno (1,2,3,c,d) Pyrene	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Isophorone	ppb	NA	NA	10	5/29/2013	ND	7/15/2013	ND	
Metolachlor	ppb	NA	NA	(0.05)	5/29/2013	ND	5/7/2012	ND	
Metribuzin	ppb	NA	NA	(0.05)	5/29/2013	ND	5/7/2012	ND	
Molinate (ORDRAM)	ppb	20	1	2	5/29/2013	ND	5/7/2012	ND	Runoff/leaching from herbicide used on rice

Central Coast Water Authority 2013 Non-Detect Table

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MRL)	Raw 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	
Phenanthrene	ppb	NA	NA	5	5/29/2013	ND	5/7/2012	ND	
Propachlor	ppb	NA	NA	0.5	5/29/2013	ND	5/7/2012	ND	
Pyrene	ppb	NA	NA	0.5	5/29/2013	ND	5/7/2012	ND	
Simazine (PRINCEP)	ppb	4	4	1	5/29/2013	ND	5/7/2012	ND	Herbicide runoff
Thiobencarb (BOLERO) (c)	ppb	70 (k)	70	1	5/29/2013	ND	5/7/2012	ND	Runoff/leaching from herbicide used on rice
trans-Nonachlor	ppb	NA	NA	(0.05)	5/29/2013	ND	5/7/2012	ND	
Trifluralin	ppb	NA	NA	(0.1)	5/29/2013	ND	5/7/2012	ND	
<b>INORGANIC CHEMICALS</b>									
Antimony, Total	ppb	6	20	6	5/29/2013	ND	7/15/2013	ND	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Asbestos	MFL	7	7	0.2	5/29/2013	ND	7/15/2013	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Barium, Total	ppm	1	2	0.1	5/29/2013	ND	7/15/2013	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium, Total	ppb	4	1	1	5/29/2013	ND	7/15/2013	ND	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, defense ind.
Cadmium, Total	ppb	5	0.04	1	5/29/2013	ND	7/15/2013	ND	Internal corrosion of galvanized pipes; erosion of natural deposits; discharge from electroplating and industrial chemical factories, and metal refineries; runoff from waste batteries and paints
Chromium, Total	ppb	50	(100)	10	5/29/2013	ND	7/15/2013	ND	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Copper, Total (c)	ppm	1 (e) (h)	0.3	0.05	5/29/2013	ND	7/15/2013	ND	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Cyanide	ppb	150	150	100	5/29/2013	ND	7/15/2013	ND	Discharge from steel/metal, plastic and fertilizer factories
Fluoride	ppm	2	1	0.1	5/29/2013	ND	7/15/2013	ND	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Hydroxide as OH	ppm	NA	NA	(2)	5/29/2013	ND	7/15/2013	ND	
Lead, Total	ppb	NA (e)	0.2	5	5/29/2013	ND	7/15/2013	ND	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Manganese, Total	ppb	50 (h)	NA	20	5/29/2013	ND	7/15/2013	ND	
Mercury	ppb	2	1.2	1	5/29/2013	ND	7/15/2013	ND	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and cropland
Nickel, Total	ppb	100	12	10	5/29/2013	ND	7/15/2013	ND	Erosion of natural deposits; discharge from metal factories
Nitrate, NO3	ppm	45 (l)	45	2	5/29/2013	ND	7/15/2013	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrite, Nitrogen	ppm	1	1	0.4	5/29/2013	ND	7/15/2013	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

### Central Coast Water Authority 2013 Non-Detect Table

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MRL)	Raw 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	
Perchlorate (f)	ppb	6	6	4	5/29/2013	ND	7/15/2013	ND	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts.
Selenium, Total	ppb	50	30	5	5/29/2013	ND	7/15/2013	ND	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines and chemical manufacturers; runoff from livestock lots (feed additive)
Silver, Total	ppb	100 (h)	NA	10	5/29/2013	ND	7/15/2013	ND	Industrial Discharges
Thallium, Total	ppb	2	0.1	1	5/29/2013	ND	7/15/2013	ND	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
Zinc, Total	ppm	5 (h)	NA	0.05	5/29/2013	ND	7/15/2013	ND	Runoff/leaching from natural deposits; industrial wastes

#### ABBREVIATIONS AND FOOTNOTES

##### Abbreviations

AI	Aggressiveness Index	MRL	Minimum Reporting Limit
AL	Action Level	N	Nitrogen
DCEPA	Dimethyl Tetrachloroterephthalate	NA	Not Applicable
CFU	Colony-Forming Units	NC	Not Collected
DLR	Detection Limits for purposes of Reporting	ND	None Detected
MBAS	Methylene Blue Active Substances	NL	Notification Level
MCL	Maximum Contaminant Level	NTU	Nephelometric Turbidity Units
MCLG	Maximum Contaminant Level Goal	pCi/L	picoCuries per Liter
MFL	Million Fibers per Liter	PHG	Public Health Goal
MPN	Most Probable Number	ppb	Parts per billion
MRDL	Maximum Residual Disinfectant Level	ppm	Parts per million
MRDLG	Maximum Residual Disinfectant Level Goal	ppt	Parts per trillion
		ppq	Parts per quadrillion

##### Footnotes

- (a) 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
- (b) Total Coliform MCL: No more than 5% of the monthly samples may be total coliform positive
- (c) Copper, MTBE, and thiobencarb have both primary and secondary standards.
- (d) MTBE has a secondary MCL of 5 ppb.
- (e) 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.
- (f) The State primary MCL for perchlorate was set at 6 ppb effective October 18, 2007. Perchlorate reporting level is 2 ppb.
- (g) 1,2,3-Trichloropropane is an unregulated contaminant with a notification level of 0.005 ppb.
- (h) Secondary MCL.
- (i) Gross beta particle activity MCL is 4 millirem/year annual dose equivalent to the total body or any internal organ. 50pCi/L is used as a screening level.
- (j) State MCL is 45 mg/L as NO<sub>3</sub>, which equals 10 mg/L as N.
- (k) Thiobencarb has a secondary MCL of 1 ppb.
- (l) State MCL is 45 mg/L as NO<sub>3</sub>, which equals 10 mg/L as N.