



**CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
WATER QUALITY TABLE
COVERING THE REPORTING PERIOD OF JANUARY-DECEMBER 2022**

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 (a)	NTU	TT=<1 NTU every 4 hours TT=95% of samples <0.3 NTU	Range	0.05 - 0.15	NA	Soil runoff
			%	100%	NA	

INORGANIC CHEMICALS

Aluminum	mg/L	1 (b)	0.6	0.05	Range	ND - 0.11	ND - 0.054	Erosion of natural deposits; residual from some surface water treatment processes
					Average	0.054	0.040	
Arsenic, Total	ug/L	10	0.004	2	Range	ND	2.6	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
					Average	ND	2.6	
Fluoride	mg/L	2	1	0.1	Range	ND	0.11	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
					Average	ND	0.11	

RADIONUCLIDES

Gross Alpha Particle	pCi/L	15	(0)	3	Range	4.9	ND - 22	Erosion of natural deposits
					Average	4.9	12.5	
Uranium	pCi/L	20	0.43	1	Range	ND	1.9	Erosion of natural deposits
					Average	ND	1.9	

DISTRIBUTION SYSTEM MONITORING

Total Chlorine Residual	mg/L	MRDL = 4.0	MRDLG = 4.0	NA	Range	0.21 - 3.7	NA	Drinking water disinfectant added for treatment
					Average	2.80	NA	
Total Coliform Bacteria	--	(c)	(0)	--	Range	0	NA	Naturally present in the environment
					Average	0	NA	
					Highest	0%	NA	
E.coli (c)	--	0	(0)	--	Range	0	NA	Human and animal fecal waste
					Average	0	NA	
					Highest	0%	NA	
Total Trihalomethanes (d)	ug/L	80	NA	(0.5)	Range	43 - 69	NA	By-product of drinking water chlorination
					Average	52	NA	
					Highest LRAA	54.3	NA	
Haloacetic Acids (d)	ug/L	60	NA	(1) (e)	Range	8.6 - 19.7	NA	By-product of drinking water chlorination
					Average	14	NA	
					Highest LRAA	15.2	NA	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	mg/L	500 (j)	NA	(1)	Range	74 - 145	68 - 133	Runoff/leaching from natural deposits; seawater influence
					Average	104	100	
Color	ACU	15 (j)	NA	(3)	Range	ND	15	Naturally occurring organic materials
					Average	ND	15	
Corrosivity (Aggressivity Index) (i)	SU	non-corrosive	NA	(0.1)	Range	12.2	12.6	
					Average	12.2	12.6	
Iron, Total	mg/L	0.3 (j)	NA	(0.01)	Range	ND	0.078	Leaching from natural deposits; industrial wastes
					Average	ND	0.078	
Magnesium, Total	mg/L	NA	NA	(0.1)	Range	17	18	Runoff/leaching from natural deposits; seawater influence
					Average	17	18	
Manganese, Total	ug/L	50 (j)	NA	(2)	Range	ND	26	
					Average	ND	26	
Odor Threshold	TON	3 (j)	NA	(1)	Range	ND	2	Naturally occurring organic materials
					Average	ND	2	
Specific Conductance	uS/cm	1600 (j)	NA	NA	Range	585 - 937	481 - 835	Substances that form ions when in water; seawater influence
					Average	701	623	
Sulfate	mg/L	500 (j)	NA	(0.5)	Range	96	64	Runoff/leaching from natural deposits; industrial wastes
					Average	96	64	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	TREATED		SOURCE	
					Range Average	CCWA	STATE WATER	Major Sources in Drinking Water
Total Dissolved Solids (TDS)	mg/L	1000 (j)	NA	(10)	Range	380	340	Runoff/leaching from natural deposits
					Average	380	340	
Turbidity (Monthly) (a)	NTU	5 (j)	NA	(0.1)	Range	ND - 0.25	ND - 4.8	Soil runoff
					Average	0.06	1.24	

ADDITIONAL PARAMETERS (Unregulated)

2-Methylisoborneol	ng/L	NA	NA	(1)	Range	ND - 32	ND - 56	An organic compound mainly produced by blue-green algae (cyanobacteria)
					Average	7.7	12.4	
Alkalinity (Total) as CaCO ₃ equivalents	mg/L	NA	NA	(2)	Range	68 - 102	78 - 108	Runoff/leaching from natural deposits; seawater influence
					Average	80	91	
Anion Sum - Calculated	meq/L	NA	NA	(0.001)	Range	6.4	5.9	
					Average	6.4	5.9	
Bicarbonate Alkalinity as HCO ₃	mg/L	NA	NA	(2)	Range	110	120	
					Average	110	120	
Calcium	mg/L	NA	NA	(1)	Range	29	30	Runoff/leaching from natural deposits; seawater influence
					Average	29	30	
Carbonate as CO ₃	mg/L	NA	NA	(2)	Range	ND	3.1	
					Average	ND	3.1	
Cation Sum - Calculated	meq/L	NA	NA	(0.001)	Range	6.2	6	
					Average	6.2	6.0	
Chromium, Hexavalent	ug/L	NA	0.02	NA	Range	0.067	0.049	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
					Average	0.067	0.049	
Geosmin	ng/L	NA	NA	(1)	Range	ND - 2	ND - 7	An organic compound mainly produced by bacterial growth in surface water
					Average	0.3	2.4	
Hardness (Total) as CaCO ₃	mg/L	NA	NA	(3)	Range	104 - 158	104 - 166	Leaching from natural deposits
					Average	127	127	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 98	NA	HPC measures a range of bacteria that are natural
					Average	2	NA	
Langelier Index @ 25 °C	NONE	NA	NA	(-14)	Range	0.27	0.75	
					Average	0.27	0.75	
Langelier Index @ 60 °C	NONE	NA	NA	(-14)	Range	0.72	1.2	
					Average	0.72	1.2	
Magnesium, Total	mg/L	NA	NA	(0.1)	Range	17	18	Runoff/leaching from natural deposits; seawater influence
					Average	17	18	
pH	SU	NA	NA	(0.1)	Range	7.2 - 8.9	7.5 - 9.25	Runoff/leaching from natural deposits; seawater influence
					Average	8.4	8.6	
Potassium	mg/L	NA	NA	(1)	Range	3.6	3.8	Runoff/leaching from natural deposits; seawater influence
					Average	3.6	3.8	
Sodium	mg/L	NA	NA	(1)	Range	76	67	Runoff/leaching from natural deposits; seawater influence
					Average	76	67	
Total Organic Carbon (TOC) (g)	mg/L	TT	NA	(0.3)	Range	1.9 - 4.5	3.9 - 6	Various natural and man made sources
					Average	2.9	4.7	

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

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) Aluminum has a Secondary MCL of 0.2 ppm.
- (c) *Level 1 treatment technique triggers:* Systems that collect ≥ 40 samples/month, no more than 5.0% of the monthly samples may be Total Coliform positive. Systems that collect < 40 samples per month, no more than one positive sample per month may be Total Coliform positive.
Level 2 treatment technique triggers: System has an E. coli MCL violation, has a second Level 1 treatment technique trigger within a rolling 12-month period, or the system with reduced annual monitoring has a Level 1 treatment technique trigger in two consecutive years.
 E. coli MCLs: The occurrence of 2 consecutive Total Coliform positive samples, one of which contains E. coli, constitutes an acute MCL violation.
- (d) Compliance based on the running quarterly annual average of distribution system samples.
- (e) 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.
- (f) Pour plate technique
- (g) TOCs are taken at the treatment plant's combined filter effluent.
- (h) State MCL is 45 mg/L as NO₃, which equals 10 mg/L as N.
- (i) AI ≥ 12.0 = Non-aggressive water
 AI (10.0 - 11.9) = Moderately aggressive water
 AI ≤ 10.0 = Highly aggressive water
 Reference: ANSI/AWWA Standard C400-93 (R98)
- (j) Secondary MCL

Abbreviations

ACU = Apparent Color Units
 CCWA = Central Coast Water Authority
 CFU/ml = Colony Forming Units per milliliter
 DLR = Detection Level for purposes of Reporting
 MCL = Maximum Contaminant Level
 MCLG = Maximum Contaminant Level Goal
 MRDL = Maximum Residual Disinfectant Level
 MRDLG = Maximum Residual Disinfectant Level Goal
 NA = Not Applicable
 ND = Non-detected above detection limit (DLR)
 NTU = Nephelometric Turbidity Units
 pCi/L = PicoCuries per liter
 PHG = Public Health Goal
 ppb = parts per billion, or micrograms per liter ($\mu\text{g/L}$)
 ppm = parts per million, or milligrams per liter (mg/L)
 TON = Threshold Odor Number
 TT = Treatment Technique
 LRAA = Locational Running Annual Average

Central Coast Water Authority 2022 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	
RADIONUCLIDES									
Gross Beta Particle (g)	pCi/L	50 (g)	(0)	4	6/16/2022	ND	5/26/2022	ND	Decay of natural and man-made deposits
Tritium	pCi/L	20,000	400	1,000	6/16/2022	ND	6/16/2022	ND	Decay of natural and man-made deposits
Radium 226	pCi/L	NA	0.05	1	6/16/2022	ND	6/16/2022	ND	Erosion of natural deposits
Radium 228	pCi/L	NA	0.019	1	6/16/2022	ND	6/16/2022	ND	Erosion of natural deposits
ORGANIC CHEMICALS									
Regulated VOC's plus Lists 1&3 (EPA 524.2)									
1,1,1,2-Tetrachloroethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
1,1,1-Trichloroethane	ug/L	200	1000	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
1,1,2,2-Tetrachloroethane	ug/L	1	0.1	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
1,1,2-Trichloro-1,2,2-trifluoroethane	mg/L	1.2	4	0.01	5/26/2022	ND	5/26/2022	ND	Discharge from metal degreasing sites and other factories; dry cleaning solvent; refrigerant
1,1,2-Trichloroethane	ug/L	5	0.3	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories
1,1-Dichloroethane	ug/L	5	3	0.5	5/26/2022	ND	5/26/2022	ND	Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
1,1-Dichloroethylene	ug/L	6	10	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories
1,1-Dichloropropene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
1,2,3-Trichlorobenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
1,2,3-Trichloropropane	ng/L	5 (e)	0.7	5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial and agricultural chemical factories; leaching from hazardous waste sites; used as cleaning and maintenance solvent, paint and varnish remover, and cleaning and degreasing agent; byproduct during the production of other compounds and pesticides
1,2,4-Trichlorobenzene	ug/L	5	5	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from textile-finishing factories
1,2,4-Trimethylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Ethylene dibromide	ng/L	50	10	20	5/26/2022	ND	5/26/2022	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
1,2-Dichlorobenzene	ug/L	600	600	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories
1,2-Dichloroethane	ng/L	500	400	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories
1,2-Dichloropropane	ug/L	5	0.5	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories; primary component of some fumigants
1,3,5-Trimethylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
1,3-Dichlorobenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
1,3-Dichloropropane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
1,4-Dichlorobenzene	ug/L	5	6	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
2,2-Dichloropropane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
2-Butanone	ug/L	NA	NA	5	5/26/2022	ND	5/26/2022	ND	
2-Chlorotoluene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
4-Methyl-2-pentanone	ug/L	NA	NA	(5)	5/26/2022	ND	5/26/2022	ND	
Benzene	ug/L	1	0.15	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
Bromobenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Bromochloromethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Bromomethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Carbon disulfide	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Carbon tetrachloride	ng/L	500	100	500	5/26/2022	ND	5/26/2022	ND	Discharge from chemical plants and other industrial activities
Chlorobenzene	ug/L	70	200	(0.5)	5/26/2022	ND	5/26/2022	ND	
Chloroethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Chloromethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
cis-1,2-Dichloroethylene	ug/L	6	100	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories; major biodegradation by-product of TCE and PCE groundwater contamination
cis-1,3-Dichloropropene	ug/L	NA	NA		5/26/2022	ND	5/26/2022	ND	Runoff/leaching from nematocide used on croplands
Dibromomethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Diisopropyl ether	ug/L	NA	NA	(3)	5/26/2022	ND	5/26/2022	ND	
Dichlorodifluoromethane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Ethylbenzene	ug/L	300	300	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from petroleum refineries; industrial chemical factories
tert-Butyl ethyl ether	ug/L	NA	NA	(3)	5/26/2022	ND	5/26/2022	ND	
Hexachlorobutadiene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Isopropylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
m,p-Xylenes	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	Discharge from petroleum and chemical factories; fuel solvent
Dichloromethane	ug/L	5	4	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from pharmaceutical and chemical factories; insecticide
Methyl tert-butyl ether (a)	ug/L	13 (b)	13	3	5/26/2022	ND	5/26/2022	ND	Leaking underground storage tanks; discharge from petroleum and chemical factories
Naphthalene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
n-Butylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
n-Propylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	

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o-Xylene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	Discharge from petroleum and chemical factories; fuel solvent
p-Chlorotoluene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
p-Isopropyltoluene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
sec-Butylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Styrene	ug/L	100	0.5	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from rubber and plastic factories; leaching from landfills
tert-Amyl methyl ether	ug/L	NA	NA	(3)	5/26/2022	ND	5/26/2022	ND	
tert-Butylbenzene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Tetrachloroethylene	ug/L	5	0.06	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
Toluene	ug/L	150	150	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from petroleum and chemical factories; underground gas tank leaks
1,3-Dichloropropene, Total	ng/L	500	200	500	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from nematocide used on croplands
Total Xylenes	mg/L	1.750	1.8	0.0005	5/26/2022	ND	5/26/2022	ND	Discharge from petroleum and chemical factories; fuel solvent
trans-1,2-Dichloroethylene	ug/L	10	60	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial chemical factories; minor biodegradation by-product of TCE and PCE groundwater contamination
trans-1,3-Dichloropropene	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from nematocide used on croplands
Trichloroethylene	ug/L	5	1.7	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane	ug/L	150	1300	5	5/26/2022	ND	5/26/2022	ND	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
Vinyl chloride	ng/L	500	50	500	5/26/2022	ND	5/26/2022	ND	Leaching from PVC piping; discharge from plastics factories; biodegradation by-product of TCE and PCE groundwater contamination
Organochlorine Pesticides/PCBs (EPA 505)									
Alachlor	ug/L	2	4	1	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide used on row crops
Aldrin	ug/L	NA	NA	(0.01)	5/26/2022	ND	5/26/2022	ND	
Chlordane	ng/L	100	30	100	5/26/2022	ND	5/26/2022	ND	Residue of banned insecticide
Dieldrin	ug/L	NA	NA	(0.2)	5/26/2022	ND	5/26/2022	ND	
Endrin	ug/L	2	0.3	0.1	5/26/2022	ND	5/26/2022	ND	Residue of banned insecticide and rodenticide
Heptachlor	ng/L	10	8	10	5/26/2022	ND	5/26/2022	ND	Residue of banned insecticide
Heptachlor epoxide	ng/L	10	6	10	5/26/2022	ND	5/26/2022	ND	Breakdown of heptachlor
Lindane	ng/L	200	32	200	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	ug/L	30	0.09	10	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
PCB 1016 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
PCB 1221 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals

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					State Water Project		Polonio Pass WTP		
					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
PCB 1232 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
PCB 1242 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
PCB 1248 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
PCB 1254 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
PCB 1260 Aroclor (as DCB)	ug/L	0.5	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
PCB's, Total	ng/L	500	90	500	5/26/2022	ND	5/26/2022	ND	Runoff from landfills; discharge of waste chemicals
Toxaphene	ug/L	3	0.03	1	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from insecticide used on cotton and cattle
Aldicarb (EPA 531.2)									
3-Hydroxycarbofuran	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Aldicarb	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Aldicarb sulfone	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Aldicarb sulfoxide	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Baygon	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Carbaryl	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Carbofuran	ug/L	18	0.7	5	5/26/2022	ND	5/26/2022	ND	Leaching of soil fumigant used on rice and alfalfa, and grape vineyards
Methiocarb	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Methomyl	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Oxamyl	ug/L	50	26	20	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from insecticide used on field crops, fruits and ornamentals, especially apples, potatoes, and tomatoes
Diquat and Paraquat (EPA 549.2)									
Diquat	ug/L	20	6	4	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide use for terrestrial and aquatic weeds
Paraquat	ug/L	NA	NA	(2)	5/26/2022	ND	5/26/2022	ND	
EDB and DBCP (EPA 551.1)									
Dibromochloropropane	ng/L	200	1.7	10	5/26/2022	ND	5/26/2022	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	ng/L	50	10	20	5/26/2022	ND	5/26/2022	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

Central Coast Water Authority 2022 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	
Chlorophenoxy Herbicides (EPA 515.4)									
2,4,5-T	ug/L	NA	NA	(0.2)	5/26/2022	ND	5/26/2022	ND	
2,4,5-TP	ug/L	50	3	1	5/26/2022	ND	5/26/2022	ND	Residue of banned herbicide
2,4-Dichlorophenoxyacetic acid	ug/L	70	20	10	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide used on row crops, range land, lawns, and aquatic weeds
2,4-DB	ug/L	NA	NA	2	5/26/2022	ND	5/26/2022	ND	
3,5-Dichlorobenzoic acid	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Acifluorfen	ug/L	NA	NA	(0.2)	5/26/2022	ND	5/26/2022	ND	
Bentazon	ug/L	18	200	2	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
Dalapon	ug/L	200	790	10	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide used on rights-of-way, and crops and landscape maintenance
Dicamba	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
Dichlorprop	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Dinoseb	ug/L	7	14	2	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
Pentachlorophenol	ug/L	1	0.3	0.2	5/26/2022	ND	5/26/2022	ND	Discharge from wood preserving factories, cotton and other insecticidal/herbicidal uses
Picloram	ug/L	500	166	1	5/26/2022	ND	5/26/2022	ND	Herbicide runoff
DCPA (total Mono & Diacid Degradates)	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
Other Synthetic Organics									
Dioxin	pg/L	30	0.05	5	5/26/2022	ND	5/26/2022	ND	Emissions from waste incineration and other combustion; discharge from chemical factories
Endothall	ug/L	100	94	45	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide use for terrestrial and aquatic weeds; defoliant
Glyphosate	ug/L	700	900	25	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide use
Semivolatiles (EPA 525.2)									
2,4-Dinitrotoluene	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
Acenaphthylene	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
alpha-Chlordane	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Anthracene	ug/L	NA	NA	(0.02)	5/26/2022	ND	5/26/2022	ND	
Atrazine	ug/L	1	0.15	0.5	5/26/2022	ND	5/26/2022	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
Benzo (a) anthracene	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Benzo (a) pyrene	ng/L	200	7	100	5/26/2022	ND	5/26/2022	ND	Leaching from linings of water storage tanks and distribution mains
Benzo (b) fluoranthene	ug/L	NA	NA	(0.02)	5/26/2022	ND	5/26/2022	ND	

Central Coast Water Authority 2022 Non-Detect Table

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
Benzo (g,h,i) perylene	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Benzo (k) fluoranthene	ug/L	NA	NA	(0.02)	5/26/2022	ND	5/26/2022	ND	
Bromacil	ug/L	NA	NA	(0.2)	5/26/2022	ND	5/26/2022	ND	
Butachlor	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Butylbenzylphthalate	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Caffeine	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Chrysene	ug/L	NA	NA	(0.02)	5/26/2022	ND	5/26/2022	ND	
Di (2-Ethylhexyl) phthalate	ug/L	4	12	3	5/26/2022	ND	5/26/2022	ND	Discharge from rubber and chemical factories; inert ingredient in pesticides
Di-(2-Ethylhexyl) adipate	ug/L	400	200	5	5/26/2022	ND	5/26/2022	ND	Discharge from chemical factories
di-n-Butylphthalate	ug/L	NA	NA	(1)	5/26/2022	ND	5/26/2022	ND	
Diazinon	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
Dibenz (a,h) anthracene	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Diethylphthalate	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Dimethoate	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
Dimethylphthalate	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Fluoranthene	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
Fluorene	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
gamma-Chlordane	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Hexachlorobenzene	ug/L	1	0.03	0.5	5/26/2022	ND	5/26/2022	ND	Discharge from metal refineries and agricultural chemical factories; by-product of chlorination reactions in wastewater
Hexachlorocyclopentadiene	ug/L	50	2	1	5/26/2022	ND	5/26/2022	ND	Discharge from chemical factories
Indeno (1,2,3,c,d) Pyrene	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Isophorone	ug/L	NA	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	
Metolachlor	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Metribuzin	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Molinate	ug/L	20	1	2	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from herbicide used on rice
Phenanthrene	ug/L	NA	NA	(0.04)	5/26/2022	ND	5/26/2022	ND	
Propachlor	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Pyrene	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	

Central Coast Water Authority 2022 Non-Detect Table

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					Most Recent Sample Date	Result	Most Recent Sample Date	Result	
Simazine	ug/L	4	4	1	5/26/2022	ND	5/26/2022	ND	Herbicide runoff
Thiobencarb (a)	ug/L	70 (h)	42	1	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from herbicide used on rice
trans-Nonachlor	ug/L	NA	NA	(0.05)	5/26/2022	ND	5/26/2022	ND	
Trifluralin	ug/L	NA	NA	(0.1)	5/26/2022	ND	5/26/2022	ND	
INORGANIC CHEMICALS									
Antimony, Total	ug/L	6	1	6	5/26/2022	ND	5/26/2022	ND	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Asbestos	MFL	7	7	0.2	5/26/2022	ND	5/26/2022	ND	Internal corrosion of asbestos cement water mains; erosion of natural deposits
Barium, Total	mg/L	1	2	0.1	5/26/2022	ND	5/26/2022	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium, Total	ug/L	4	1	1	5/26/2022	ND	5/26/2022	ND	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, defense industries
Cadmium, Total	ug/L	5	0.04	1	5/26/2022	ND	5/26/2022	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	ug/L	50	(100)	10	5/26/2022	ND	5/26/2022	ND	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Copper (a)	mg/L	1 (c) (f)	0.3	0.05	5/26/2022	ND	5/26/2022	ND	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Cyanide	ug/L	150	150	100	5/26/2022	ND	5/26/2022	ND	Discharge from steel/metal, plastic and fertilizer factories
Hydroxide as OH	mg/L	NA	NA	(2)	5/26/2022	ND	5/26/2022	ND	
Lead	ug/L	(c)	0.2	5	5/26/2022	ND	5/26/2022	ND	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers;
Mercury	ug/L	2	1.2	1	5/26/2022	ND	5/26/2022	ND	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and cropland
Nickel, Total	ug/L	100	12	10	5/26/2022	ND	5/26/2022	ND	Erosion of natural deposits; discharge from metal factories
Nitrate as Nitrogen	mg/L	10 (h)	10	0.4	5/26/2022	ND	5/26/2022	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrite Nitrogen	mg/L	1	1	0.4	5/26/2022	ND	5/26/2022	ND	Runoff and leaching from fertilizer use; leach-ing from septic tanks and sewage; erosion of natural
Perchlorate	ug/L	6 (d)	1	4	5/26/2022	ND	5/26/2022	ND	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares,
Selenium, Total	ug/L	50	30	5	5/26/2022	ND	5/26/2022	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	ug/L	100 (f)	NA	(0.5)	5/26/2022	ND	5/26/2022	ND	Industrial Discharges
Thallium, Total	ug/L	2	0.1	1	5/26/2022	ND	5/26/2022	ND	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
Zinc, Total	mg/L	5 (f)	NA	(0.02)	5/26/2022	ND	5/26/2022	ND	Runoff/leaching from natural deposits; industrial wastes

Central Coast Water Authority 2022 Non-Detect Table

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ABBREVIATIONS AND FOOTNOTES

Abbreviations

DCPA	Dimethyl Tetrachloroterephthalate	NC	Not Collected
DLR	Detection Limits for purposes of Reporting	ND	None Detected above detection limit (DLR)
MCL	Maximum Contaminant Level	pCi/L	picoCuries per Liter
MCLG	Maximum Contaminant Level Goal	PHG	Public Health Goal
MFL	Million Fibers per Liter	ppb	Parts per billion
MRDL	Maximum Residual Disinfectant Level	ppm	Parts per million
MRDLG	Maximum Residual Disinfectant Level Goal	ppt	Parts per trillion
MRL	Minimum Reporting Limit	ppq	Parts per quadrillion
NA	Not Applicable		

Footnotes

- (a) Copper, MTBE, and thiobencarb have both primary and secondary standards.
- (b) MTBE has a secondary MCL of 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) The State primary MCL for perchlorate was set at 6 ppb effective October 18, 2007. Perchlorate reporting level is 2 ppb.
- (e) 1,2,3-Trichloropropane is an unregulated contaminant with a notification level of 0.005 ppb.
- (f) Secondary MCL.
- (g) 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.
- (h) Thiobencarb has a secondary MCL of 1 ppb.