



**CENTRAL COAST WATER AUTHORITY
 POLONIO PASS WATER TREATMENT PLANT
 WATER QUALITY TABLE
 COVERING THE REPORTING PERIOD OF JANUARY-DECEMBER 2015**

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 TT=95% of samples <0.3 NTU	Range	0.03 - 0.17	NA	Soil runoff
			%	100%	NA	

INORGANIC CHEMICALS

Aluminum	ppm	1 (b)	0.6	0.05	Range	ND - 0.11	ND	Residue from water treatment process; Erosion of natural deposits
					Average	0.073	ND	
Arsenic, Total	ppb	10	0.004	2	Range	ND	2.4	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
					Average	ND	2.4	
Nitrate as Nitrogen	ppm	10 (h)	10	0.4	Range	0.43	0.43	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.43	0.43	

RADIONUCLIDES

Gross Beta Particle	pCi/L	50	(0)	4	Range	ND	4.5	Decay of natural and man-made deposits
					Average	ND	4.5	

DISTRIBUTION SYSTEM MONITORING

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range	1.1 - 3.5	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.3	NA	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	53 - 68	NA	By-product of drinking water chlorination
					Average	61	NA	
					Highest LRAA	61.8	NA	
Haloacetic Acids (d)	ppb	60	NA	(e)	Range	8.2 - 18	NA	By-product of drinking water chlorination
					Average	12.4	NA	
					Highest LRAA	13	NA	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	NA	Range	80 - 205	77 - 184	Runoff/leaching from natural deposits; seawater influence
					Average	122	117	
Color	ACU	15	NA	NA	Range	ND	20	Naturally-occurring organic materials
					Average	ND	20	
Corrosivity (Aggressivity Index)	None	non-corrosive	NA	NA	Range	non-corrosive	non-corrosive	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
					Average	non-corrosive	non-corrosive	
Odor Threshold	TON	3	NA	1	Range	ND - 1	ND - 8	Naturally-occurring organic materials
					Average	ND	1.3	
Specific Conductance	uS/cm	1600	NA	NA	Range	654 - 1160	566 - 1063	Substances that form ions when in water; seawater influence
					Average	781	710	
Sulfate	ppm	500	NA	0.5	Range	97	85	Runoff/leaching from natural deposits; industrial wastes
					Average	97	85	
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range	349 - 708	300 - 648	Runoff/leaching from natural deposits;
					Average	437	398	
Turbidity (Monthly)	NTU	5	NA	NA	Range	0.04 - 0.14	0.06 - 7.1	Soil runoff
					Average	0.07	1.2	

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

ADDITIONAL PARAMETERS (Unregulated)

Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	NA	Range	66 - 92	32 - 92	Runoff/leaching from natural deposits; seawater influence
					Average	79	69	
Calcium	ppm	NA	NA	NA	Range	58 - 96	58 - 92	Runoff/leaching from natural deposits; seawater influence
					Average	69	69	
DCPA (total Mono & Diacid Degredates)	ppb	NA	NA	NA	Range	0.13	0.12	
					Average	0.13	0.12	
Geosmin	ng/L	NA	NA	NA	Range	ND - 4	ND - 13	
					Average	2	5	
Hardness (Total) as CaCO ₃	ppm	NA	NA	NA	Range	128 - 206	124 - 212	Leaching from natural deposits
					Average	146	146	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 6	NA	Naturally present in the environment
					Average	0.5	NA	
Magnesium	ppm	NA	NA	NA	Range	18	18	Runoff/leaching from natural deposits; seawater influence
					Average	18	18	
Manganese, Total	ppb	NA	NA	NA	Range	ND	10	Runoff/leaching from natural deposits; seawater influence
					Average	ND	10	
2-Methylisoborneol	ng/L	NA	NA	NA	Range	ND - 303	ND - 1003	
					Average	42	111	
pH	pH Units	NA	NA	NA	Range	7.6 - 8.8	7.7 - 9.3	Runoff/leaching from natural deposits; seawater influence
					Average	8.2	8.7	
Potassium	ppm	NA	NA	NA	Range	3.4	3.5	Runoff/leaching from natural deposits; seawater influence
					Average	3.4	3.5	
Sodium	ppm	NA	NA	NA	Range	84	80	Runoff/leaching from natural deposits; seawater influence
					Average	84	80	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.9 - 3.1	3.4 - 6.3	Various natural and manmade sources.
					Average	2.5	4.8	

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) Total coliform MCLs: 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 1 positive sample per month 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.
- (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.

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
- 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)
- TON = Threshold Odor Number
- TT = Treatment Technique
- LRAA = Locational Running Annual Average

Central Coast Water Authority 2015 Non-detect Table

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR (MRL)	Raw Source Water Result	Treated Water Result	Major Sources in Drinking Water
Aldicarb Pesticides							
3-Hydroxycarbofuran Collection Date: 05/06/2015	ppb	NA	NA	3	ND	ND	
Temik (Aldicarb) Collection Date: 05/06/2015	ppb	NA	NA	3	ND	ND	
Aldicarb sulfone Collection Date: 05/06/2015	ppb	NA	NA	4	ND	ND	
Aldicarb sulfoxide Collection Date: 05/06/2015	ppb	NA	NA	3	ND	ND	
Baygon (Propoxur) Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	
Carbaryl Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
Carbofuran (FURADAN) Collection Date: 05/06/2015	ppb	18	1.7	5	ND	ND	Leaching of soil fumigant used on rice and alfalfa, and grape vineyards
Methiocarb Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	
Methomyl Collection Date: 05/06/2015	ppb	NA	NA	2	ND	ND	
Oxamyl (Vydate) Collection Date: 05/06/2015	ppb	50	26	20	ND	ND	Runoff/leaching from insecticide used on field crops, fruits and ornamentals, especially apples, potatoes, and tomatoes
EDB and DBCP							
DBCP (Dibromochloropropane) Collection Date: 05/06/2015	ppt	200	1.7	10	ND	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
EDB (Ethylene dibromide) Collection Date: 05/06/2015	ppt	50	10	20	ND	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
Herbicides							
2,4,5-T Collection Date: 05/06/2015	ppb	NA	NA	(0.2)	ND	ND	
Silvex (2,4,5-TP) Collection Date: 05/06/2015	ppb	50	25	1	ND	ND	Residue of banned herbicide
2,4-DB Collection Date: 05/06/2015	ppb	NA	NA	(2.0)	ND	ND	
2,4-D (2,4-Dichlorophenoxyacetic Acid) Collection Date: 05/06/2015	ppb	70	20	10	ND	ND	Runoff from herbicide used on row crops, range land, lawns, and aquatic weeds
3,5-Dichlorobenzoic acid Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	
Acifluorfen Collection Date: 05/06/2015	ppb	NA	NA	(0.2)	ND	ND	
BASAGRAN (Bentazon) Collection Date: 05/06/2015	ppb	18	200	2	ND	ND	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
Dalapon Collection Date: 05/06/2015	ppb	200	790	10	ND	ND	Runoff from herbicide used on rights-of-way, and crops and landscape maintenance
BANVEL (Dicamba) Collection Date: 05/06/2015	ppb	NA	NA	1.5	ND	ND	
Dichlorprop Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	
DNBP (Dinoseb) Collection Date: 05/06/2015	ppb	7	14	2	ND	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
PCP (Pentachlorophenol) Collection Date: 05/06/2015	ppb	1	0.3	(0.2)	ND	ND	Discharge from wood preserving factories, cotton and other insecticidal/herbicidal uses
Picloram Collection Date: 05/06/2015	ppb	500	500	1	ND	ND	Herbicide runoff
Inorganic Chemicals, Gen. Min./Metals							
Antimony, Total Collection Date: 05/06/2015	ppb	6	20	6	ND	ND	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Asbestos Collection Date: 05/06/2015	MFL	7	7	0.2	ND	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits

Barium, Total Collection Date: 05/06/2015	ppm	1	2	0.1	ND	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium, Total Collection Date: 05/06/2015	ppb	4	1	1	ND	ND	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, defense ind.
Cadmium, Total Collection Date: 05/06/2015	ppb	5	0.04	1	ND	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, Hexavalent Collection Date: 07/28/2015	ppb	10	0.02	1	ND	ND	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
Chromium, Total Collection Date: 05/06/2015	ppb	50	(100)	10	ND	ND	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Copper (c) Collection Date: 05/06/2015	ppm	1 (e)(h)	0.3	0.05	ND	ND	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives
Cyanide Collection Date: 05/06/2015	ppb	150	150	100	ND	ND	Discharge from steel/metal, plastic and fertilizer factories
Fluoride Collection Date: 05/06/2015	ppm	2	1	0.1	ND	ND	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Hydroxide as OH Collection Date: 05/06/2015	ppm	NA	NA	(2)	ND	ND	
Iron, Total Collection Date: 05/06/2015	ppm	300	NA	100	ND	ND	Leaching from natural deposits; industrial wastes
Lead Collection Date: 05/06/2015	ppb	NA (e)	0.2	5	ND	ND	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Mercury Collection Date: 05/06/2015	ppb	2	1.2	1	ND	ND	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and cropland
Nickel, Total Collection Date: 05/06/2015	ppb	100	12	10	ND	ND	Erosion of natural deposits; discharge from metal factories
NITRITE NITROGEN Collection Date: 05/06/2015	ppm	1	1	0.4	ND	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Perchlorate (f) Collection Date: 05/06/2015	ppb	6	6	4	ND	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 Collection Date: 05/06/2015	ppb	50	30	5	ND	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 Collection Date: 05/06/2015	ppb	100 (h)	NA	10	ND	ND	Industrial Discharges
Surfactants Collection Date: 05/06/2015	ppm	NA	NA		ND	ND	
Thallium, Total Collection Date: 05/06/2015	ppb	2	0.1	1	ND	ND	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
Zinc, Total Collection Date: 05/06/2015	ppm	5 (h)	NA	0.05	ND	ND	Runoff/leaching from natural deposits; industrial wastes
Microorganisms							
Cryptosporidium Collection Dates: 03/17/2015-12/16/2015	Oocysts/200L	TT	(0)	NA	0	NC	Naturally present in the environment
Fecal Coliforms and E. Coli Collection Dates: 01/05/2015-12/28/2015	P/A	(a)	(0)	NA	NA	0	Human and animal fecal waste
Giardia Collection Dates: 03/17/2015-12/16/2015	Cysts/200L	TT	(0)	NA	0	NC	Naturally present in the environment
Total Coliforms Collection Dates: 01/05/2015-12/28/2015	P/A	(b)	(0)	NA	NA	0	Naturally present in the environment

Organic Chemicals							
1,1,1,2-Tetrachloroethane Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
1,1,1-Trichloroethane (1,1,1-TCA) Collection Date: 05/06/2015	ppb	200	1000	0.5	ND	ND	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
1,1,2,2-Tetrachloroethane Collection Date: 05/06/2015	ppb	1	0.1	0.1	ND	ND	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane) Collection Date: 05/06/2015	ppm	1.2	4	0.1	ND	ND	Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant
1,1,2-TCA (1,1,2-Trichloroethane) Collection Date: 05/06/2015	ppb	5	0.3	0.5	ND	ND	Discharge from industrial chemical factories
1,1-DCA (1,1-Dichloroethane) Collection Date: 05/06/2015	ppb	5	3	0.5	ND	ND	Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
1,1-DCE (1,1-Dichloroethylene) Collection Date: 05/06/2015	ppb	6	10	0.5	ND	ND	Discharge from industrial chemical factories
1,1-Dichloropropene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
1,2,3-Trichlorobenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
1,2,3-Trichloropropane Collection Date: 05/06/2015	ppb	NA (g)	0.0007	0.005	ND	ND	
1,2,4-Trichlorobenzene Collection Date: 05/06/2015	ppb	5	5	0.5	ND	ND	Discharge from textile-finishing factories
1,2,4-Trimethylbenzene Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	
o-DCB (1,2-Dichlorobenzene) Collection Date: 05/06/2015	ppb	600	600	0.5	ND	ND	Discharge from industrial chemical factories
1,2-DCA (1,2-Dichloroethane) Collection Date: 05/06/2015	ppt	500	400	500	ND	ND	Discharge from industrial chemical factories
1,2-Dichloropropane Collection Date: 05/06/2015	ppb	5	0.5	0.5	ND	ND	Discharge from industrial chemical factories; primary component of some fumigants
1,3,5-Trimethylbenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
1,3-Dichlorobenzene (m-DCB) Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
1,3-Dichloropropane Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
1,3-Dichloropropene, Total Collection Date: 05/06/2015	ppt	500	200	500	ND	ND	Runoff/leaching from nematocide used on croplands
p-DCB (1,4-Dichlorobenzene) Collection Date: 05/06/2015	ppb	5	6	0.5	ND	ND	Discharge from industrial chemical factories
2,2-Dichloropropane Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
2,4-Dinitrotoluene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
2-Butanone (MEK) Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
2-Chlorotoluene (o-Chlorotoluene) Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
4-Methyl-2-pentanone (MIBK) Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
Acenaphthylene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
alpha-Chlordane Collection Date: 05/06/2015	ppb	NA	NA	(0.05)	ND	ND	
Anthracene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
AATREX (Atrazine) Collection Date: 05/06/2015	ppb	1	0.15	0.5	ND	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
Benzene Collection Date: 05/06/2015	ppb	1	0.15	0.5	ND	ND	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and

landfills						
Benzo (a) anthracene Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND
Benzo (a) pyrene Collection Date: 05/06/2015	ppt	200	7	100	ND	ND
Benzo (b) fluoranthene Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND
Benzo (g,h,i) perylene Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND
Benzo (k) fluoranthene Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND
HYVAR (Bromacil) Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND
Bromobenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Bromochloromethane Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Bromoethane Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Bromomethane (Methyl Bromide) Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Butachlor Collection Date: 05/06/2015	ppb	NA	NA	0.38	ND	ND
Butylbenzylphthalate Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND
Caffeine Collection Date: 05/06/2015	ppb	NA	NA	(0.05)	ND	ND
Carbon disulfide Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Carbon tetrachloride Collection Date: 05/06/2015	ppt	500	100	500	ND	ND
Chlorobenzene Collection Date: 05/06/2015	ppb	70	200	0.5	ND	ND
Chloroethane Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Chloromethane (Methyl chloride) Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Chrysene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND
cis-1,2-Dichloroethylene (c-1,2-DCE) Collection Date: 05/06/2015	ppb	6	100	0.5	ND	ND
cis-1,3-Dichloropropene Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND
DEHP (Di (2-Ethylhexyl) phthalate) Collection Date: 05/06/2015	ppb	4	12	3	ND	ND
Di-(2-Ethylhexyl) adipate Collection Date: 05/06/2015	ppb	400	200	5	ND	ND
di-n-Butylphthalate Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND
Diazinon Collection Date: 05/06/2015	ppb	NA	NA	(0.1)	ND	ND
Dibenz (a,h) anthracene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND
Dibromomethane Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND
Dichlorodifluoromethane (Freon 12) Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND
Dichloromethane (Methylene chloride) Collection Date: 05/06/2015	ppb	5	4	0.5	ND	ND
Diethylphthalate Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND
Diisopropyl ether (DIPE) Collection Date: 05/06/2015	ppb	NA	NA	3	ND	ND
CYGON (Dimethoate) Collection Date: 05/06/2015	ppb	NA	NA	(0.1)	ND	ND
Dimethylphthalate Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND

Leaching from linings of water storage tanks and distribution mains

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Discharge from chemical plants and other industrial activities

Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination

Runoff/leaching from nematocide used on croplands

Discharge from rubber and chemical factories; inert ingredient in pesticides

Discharge from chemical factories

Discharge from pharmaceutical and chemical factories; insecticide

Dioxin (2,3,7,8-TCDD) Collection Date: 05/06/2015	ppq	30	0.05	5	ND	ND	Emissions from waste incineration and other combustion; discharge from chemical factories
Endothall Collection Date: 05/06/2015	ppb	100	580	45	ND	ND	Runoff from herbicide use for terrestrial and aquatic weeds; defoliant
Ethylbenzene Collection Date: 05/06/2015	ppb	300	300	0.5	ND	ND	Discharge from petroleum refineries; industrial chemical factories
Fluoranthene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
Fluorene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
gamma-Chlordane Collection Date: 05/06/2015	ppb	NA	NA	(0.05)	ND	ND	
Glyphosate Collection Date: 05/06/2015	ppb	700	900	25	ND	ND	Runoff from herbicide use
Hexachlorobenzene Collection Date: 05/06/2015	ppb	1	0.03	0.5	ND	ND	Discharge from metal refineries and agricultural chemical factories; byproduct of chlorination reactions in wastewater
Hexachlorobutadiene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
Hexachlorocyclopentadiene Collection Date: 05/06/2015	ppb	50	50	1	ND	ND	Discharge from chemical factories
Indeno (1,2,3,c,d) Pyrene Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND	
Isophorone Collection Date: 05/06/2015	ppb	NA	NA	10	ND	ND	
Isopropylbenzene (Cumene) Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
m,p-Xylenes Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	Discharge from petroleum and chemical factories; fuel solvent
Methyl tert-butyl ether (MTBE) (c) Collection Date: 05/06/2015	ppb	13	3	3	ND	ND	Leaking underground storage tanks; discharge from petroleum and chemical factories
Metolachlor Collection Date: 05/06/2015	ppb	NA	NA	(0.05)	ND	ND	
Metribuzin Collection Date: 05/06/2015	ppb	NA	NA	(0.05)	ND	ND	
Microcystin-LR (MC-LR) Collection Dates: 08/25/2015-12/08/2015	ppb	NA	NA		ND	ND	
ORDRAM (Molinate) Collection Date: 05/06/2015	ppb	20	1	2	ND	ND	Runoff/leaching from herbicide used on rice
n-Butylbenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
n-Propylbenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
Naphthalene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
o-Xylene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	Discharge from petroleum and chemical factories; fuel solvent
p-Chlorotoluene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
p-Isopropyltoluene Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	
Phenanthrene Collection Date: 05/06/2015	ppb	NA	NA	5	ND	ND	
Propachlor Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
Pyrene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
sec-Butylbenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	
PRINCEP (Simazine) Collection Date: 05/06/2015	ppb	4	4	1	ND	ND	Herbicide runoff
Styrene Collection Date: 05/06/2015	ppb	100	0.5	0.5	ND	ND	Discharge from rubber and plastic factories; leaching from landfills
tert-Amyl methyl ether (TAME) Collection Date: 05/06/2015	ppb	NA	NA	3	ND	ND	
tert-Butyl ethyl ether (ETBE) Collection Date: 05/06/2015	ppb	NA	NA	3	ND	ND	
tert-Butylbenzene Collection Date: 05/06/2015	ppb	NA	NA	0.5	ND	ND	

Tetrachloroethylene (PCE) Collection Date: 05/06/2015	ppb	5	0.06	0.5	ND	ND	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
BOLERO (Thiobencarb) (c) Collection Date: 05/06/2015	ppb	70 (k)	70	1	ND	ND	Runoff/leaching from herbicide used on rice
Toluene Collection Date: 05/06/2015	ppb	150	150	0.5	ND	ND	Discharge from petroleum and chemical factories; underground gas tank leaks
Total Xylenes Collection Date: 05/06/2015	ppm	1.75	1.8	0.0005	ND	ND	Discharge from petroleum and chemical factories; fuel solvent
trans-1,2-Dichloroethylene (t-1,2-DCE) Collection Date: 05/06/2015	ppb	10	60	0.5	ND	ND	Discharge from industrial chemical factories; minor biodegradation byproduct of TCE and PCE groundwater contamination
trans-1,3-Dichloropropene Collection Date: 05/06/2015	ppb	NA	NA	(0.5)	ND	ND	Runoff/leaching from nematocide used on croplands
trans-Nonachlor Collection Date: 05/06/2015	ppb	NA	NA	(0.05)	ND	ND	
Trichloroethylene (TCE) Collection Date: 05/06/2015	ppb	5	1.7	0.5	ND	ND	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane (Freon 11) Collection Date: 05/06/2015	ppb	150	700	5	ND	ND	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
Trifluralin Collection Date: 05/06/2015	ppb	NA	NA	(0.1)	ND	ND	
Vinyl chloride (VC) Collection Date: 05/06/2015	ppt	500	50	500	ND	ND	Leaching from PVC piping; discharge from plastics factories; biodegradation byproduct of TCE and PCE groundwater contamination
Organochlorine Pesticides/PCBs							
Alachlor (Alanex) Collection Date: 05/06/2015	ppb	2	4	1	ND	ND	Runoff from herbicide used on row crops
Aldrin Collection Date: 05/06/2015	ppb	NA	NA	0.075	ND	ND	
Chlordane Collection Date: 05/06/2015	ppt	100	30	100	ND	ND	Residue of banned insecticide
Dieldrin Collection Date: 05/06/2015	ppb	NA	NA	0.02	ND	ND	
Endrin Collection Date: 05/06/2015	ppb	2	1.8	0.1	ND	ND	Residue of banned insecticide and rodenticide
Heptachlor Collection Date: 05/06/2015	ppt	10	8	10	ND	ND	Residue of banned insecticide
Heptachlor epoxide Collection Date: 05/06/2015	ppt	10	8	10	ND	ND	Breakdown of heptachlor
gamma-BHC (Lindane) Collection Date: 05/06/2015	ppt	200	32	200	ND	ND	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor Collection Date: 05/06/2015	ppb	30	0.09	10	ND	ND	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
PCB 1016 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB 1221 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB 1232 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB 1242 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB 1248 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB 1254 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB 1260 Aroclor (as DCB) Collection Date: 05/06/2015	ppt	500	NA	500	ND	ND	Runoff from landfills; discharge of waste chemicals
PCB's, Total Collection Date: 05/06/2015	ppt	500	90	500	ND	ND	Runoff from landfills; discharge of waste chemicals
Toxaphene Collection Date: 05/06/2015	ppb	3	0.03	1	ND	ND	Runoff/leaching from insecticide used on cotton and cattle
Other Synthetic Organics							
Diquat Collection Date: 05/06/2015	ppb	20	15	4	ND	ND	Runoff from herbicide use for terrestrial and aquatic weeds
Paraquat Collection Date: 05/06/2015	ppb	NA		(2.0)	ND	ND	
Radionuclides							
Gross Alpha Particle Collection Date: 05/06/2015	pCi/L	15	(0)	3	ND	ND	Erosion of natural deposits

Abbreviations and Footnotes

Abbreviations

DCPA	Dimethyl Tetrachloroterephthalate	NC	Not Collected
DLR	Detection Limits for purposes of Reporting	ND	None Detected
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) 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) Thiobencarb has a secondary MCL of 1 ppb.