



# CENTRAL COAST WATER AUTHORITY POLONIO PASS WATER TREATMENT PLANT WATER QUALITY TABLE

COVERING THE REPORTING PERIOD OF JANUARY-DECEMBER 2016

Please see last page for key to abbreviations.

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

## PRIMARY STANDARDS--Mandatory Health-Related Standards

### CLARITY (a)

Combined Filter Effluent Turbidity (a)	NTU	TT=<1 NTU every 4 hours			Range	0.03 - 0.11	NA	Soil runoff
		TT=95% of samples <0.3 NTU			%	100%	NA	

### INORGANIC CHEMICALS

Aluminum	ppm	1 (b)	0.6	0.05	Range	ND - 0.082	ND - 0.25	Residue from water treatment process; erosion of natural deposits
					Average	0.060	0.110	
Arsenic, Total	ppb	10	0.004	2	Range	ND	2.0	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
					Average	ND	2.0	
Fluoride	ppm	2.0	1	0.1	Range	ND	0.12	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
					Average	ND	0.12	
Nitrate as Nitrogen	ppm	10 (h)	10	0.4	Range	0.41	0.43	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.41	0.43	

### RADIONUCLIDES

Gross Beta Particle	pCi/L	50	(0)	4	Range	ND	5.7	Decay of natural and man-made deposits
					Average	ND	5.7	

### DISTRIBUTION SYSTEM MONITORING

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range	1.9 - 2.7	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.3	NA	
Total Coliform Bacteria (c)	--	5.0% of monthly samples	(0)	--	Range	0 - 2.5%	NA	Naturally present in the environment
					Average	0.4%	NA	
					Highest	2.5%	NA	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	31 - 60	NA	By-product of drinking water chlorination
					Average	48	NA	
					Highest LRAA	61.0	NA	
Haloacetic Acids (d)	ppb	60	NA	(e)	Range	4.1 - 14	NA	By-product of drinking water chlorination
					Average	8.1	NA	
					Highest LRAA	11.8	NA	

## SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	NA	Range	41 - 138	11 - 136	Runoff/leaching from natural deposits; seawater influence
					Average	97	94	
Color	ACU	15	NA	NA	Range	ND	25	Naturally occurring organic materials
					Average	ND	25	
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	ND - 2	Naturally occurring organic materials
					Average	ND	1.1	
Specific Conductance	uS/cm	1600	NA	NA	Range	374 - 757	326 - 700	Substances that form ions when in water; seawater influence
					Average	609	544	
Sulfate	ppm	500	NA	NA	Range	100	71	Runoff/leaching from natural deposits; industrial wastes
					Average	100	71	
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range	194 - 442	170 - 392	Runoff/leaching from natural deposits;
					Average	346	312	
Turbidity (Monthly) (a)	NTU	5	NA	NA	Range	0.03 - 0.13	0.34 - 44	Soil runoff
					Average	0.06	2.80	

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED	SOURCE	Major Sources in Drinking Water
						CCWA	STATE WATER	
<b>ADDITIONAL PARAMETERS (Unregulated)</b>								
Alkalinity (Total) as CaCO <sub>3</sub> equivalents	ppm	NA	NA	NA	Range	42 - 84	46 - 98	Runoff/leaching from natural deposits; seawater influence
					Average	66	74	
Calcium	ppm	NA	NA	NA	Range	30 - 82	30 - 74	Runoff/leaching from natural deposits; seawater influence
					Average	53	53	
Geosmin	ng/L	NA	NA	NA	Range	ND - 2	ND - 30	
					Average	1	3	
Hardness (Total) as CaCO <sub>3</sub>	ppm	NA	NA	NA	Range	64 - 162	62 - 166	Leaching from natural deposits
					Average	115	115	
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	17	16	Runoff/leaching from natural deposits; seawater influence
					Average	17	16	
Manganese, Total	ppb	NA	NA	NA	Range	ND	15	Runoff/leaching from natural deposits; seawater influence
					Average	ND	15	
2-Methylisoborneol	ng/L	NA	NA	NA	Range	ND - 9	ND - 11	
					Average	4	4	
pH	pH Units	NA	NA	NA	Range	8.0 - 8.5	7.6 - 9.4	Runoff/leaching from natural deposits; seawater influence
					Average	8.3	8.6	
Potassium	ppm	NA	NA	NA	Range	4.0	3.9	Runoff/leaching from natural deposits; seawater influence
					Average	4.0	3.9	
Sodium	ppm	NA	NA	NA	Range	87	75	Runoff/leaching from natural deposits; seawater influence
					Average	87	75	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.5 - 3.5	2.8 - 6.5	Various natural and man made sources
					Average	2.3	4.0	

## 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 NO<sub>3</sub>, 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 2016 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
<b>Aldicarb Pesticides</b>							
3-Hydroxycarbofuran Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Temik (Aldicarb) Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Aldicarb sulfone Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Aldicarb sulfoxide Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Propoxur (Baygon) Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Carbaryl Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
FURADAN (Carbofuran) Collection Date: 05/04/2016	ppb	18	0.7	5	ND	ND	Leaching of soil fumigant used on rice and alfalfa, and grape vineyards
Methiocarb Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Methomyl Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Vydate (Oxamyl) Collection Date: 05/04/2016	ppb	50	26	20	ND	ND	Runoff/leaching from insecticide used on field crops, fruits and ornamentals, especially apples, potatoes, and tomatoes
<b>EDB and DBCP</b>							
DBCP (Dibromochloropropane) Collection Date: 05/04/2016	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: 05/04/2016	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
<b>Herbicides</b>							
2,4,5-T Collection Date: 05/04/2016	ppb	NA	NA	(0.2)	ND	ND	
Silvex (2,4,5-TP) Collection Date: 05/04/2016	ppb	50	3	1	ND	ND	Residue of banned herbicide
2,4-DB Collection Date: 05/04/2016	ppb	NA	NA	(2.0)	ND	ND	
2,4-D (2,4-Dichlorophenoxyacetic Acid) Collection Date: 05/04/2016	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: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
Acifluorfen Collection Date: 05/04/2016	ppb	NA	NA	(0.2)	ND	ND	
BASAGRAN (Bentazon) Collection Date: 05/04/2016	ppb	18	200	2	ND	ND	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
Dalapon Collection Date: 05/04/2016	ppb	200	790	10	ND	ND	Runoff from herbicide used on rights-of-way, and crops and landscape maintenance
DCPA (total Mono & Diacid Degredates) Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
BANVEL (Dicamba) Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
Dichlorprop Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
DNBP (Dinoseb) Collection Date: 05/04/2016	ppb	7	14	2	ND	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
PCP (Pentachlorophenol) Collection Date: 05/04/2016	ppb	1	0.3	0.2	ND	ND	Discharge from wood preserving factories, cotton and other insecticidal/herbicidal uses
Picloram Collection Date: 05/04/2016	ppb	500	166	1	ND	ND	Herbicide runoff

<b>Inorganic Chemicals, Gen. Min./Metals</b>							
<b>Antimony, Total</b> Collection Date: 05/04/2016	ppb	6	1	6	ND	ND	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
<b>Asbestos</b> Collection Date: 05/04/2016	MFL	7	7	0.2	<0.2	<0.2	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
<b>Barium, Total</b> Collection Date: 05/04/2016	ppm	1	2	0.1	ND	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
<b>Beryllium, Total</b> Collection Date: 05/04/2016	ppb	4	1	1	ND	ND	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, defense ind.
<b>Cadmium, Total</b> Collection Date: 05/04/2016	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
<b>Chromium, Hexavalent</b> Collection Date: 07/13/2016	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
<b>Chromium, Total</b> Collection Date: 05/04/2016	ppb	50	(100)	10	ND	ND	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
<b>Copper</b> Collection Date: 05/04/2016	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
<b>Cyanide</b> Collection Date: 05/04/2016	ppb	150	150	100	ND	ND	Discharge from steel/metal, plastic and fertilizer factories
<b>Hydroxide as OH</b> Collection Date: 05/04/2016	ppm	NA	NA	(2)	ND	ND	
<b>Iron, Total</b> Collection Date: 05/04/2016	ppb	300	NA	100	ND	ND	Leaching from natural deposits; industrial wastes
<b>Lead</b> Collection Date: 05/04/2016	ppb	15 (e)	0.2	5	ND	ND	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
<b>Mercury</b> Collection Date: 05/04/2016	ppb	2	1.2	1	ND	ND	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and cropland
<b>Nickel, Total</b> Collection Date: 05/04/2016	ppb	100	12	10	ND	ND	Erosion of natural deposits; discharge from metal factories
<b>Nitrite Nitrogen</b> Collection Date: 05/04/2016	ppm	1	1	0.4	ND	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
<b>Perchlorate</b> Collection Date: 05/04/2016	ppb	6	1	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.
<b>Selenium, Total</b> Collection Date: 05/04/2016	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)
<b>Silver, Total</b> Collection Date: 05/04/2016	ppb	100 (h)	NA	(0.5)	ND	ND	Industrial Discharges
<b>Surfactants</b> Collection Date: 05/04/2016	ppm	NA	NA	(0.1)	ND	ND	
<b>Thallium, Total</b> Collection Date: 05/04/2016	ppb	2	0.1	1	ND	ND	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
<b>Zinc, Total</b> Collection Date: 05/04/2016	ppm	5 (h)	NA	(0.02)	ND	ND	Runoff/leaching from natural deposits; industrial wastes
<b>Microorganisms</b>							
<b>Cryptosporidium</b> Collection Dates: 01/20/2016- 12/21/2016	Oocysts/20 OL	TT	(0)	NA	0	NC	Naturally present in the environment

<b>Fecal Coliforms and E. Coli</b> Collection Dates: 01/20/2016-12/21/2016	P/A	(a)	(0)	NA	NA	0	Human and animal fecal waste
<b>Giardia</b> Collection Dates: 01/20/2016-12/21/2016	Cysts/ 200L	TT	(0)	NA	0	NC	Naturally present in the environment
<b>Organic Chemicals</b>							
<b>1,1,1,2-Tetrachloroethane</b> Collection Date: 05/04/2016	ppb	NA	NA	0.5	ND	ND	
<b>1,1,1-TCA (1,1,1-Trichloroethane)</b> Collection Date: 05/04/2016	ppb	200	1000	0.5	ND	ND	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
<b>1,1,2,2-Tetrachloroethane</b> Collection Date: 05/04/2016	ppb	1	0.1	0.5	ND	ND	Discharge from industrial and agricultural chemical factories; solvent used in production of TCE, pesticides, varnish and lacquers
<b>Freon 113 (1,1,2-Trichloro-1,2,2-trifluoroethane)</b> Collection Date: 05/04/2016	ppm	1.2	4	0.01	ND	ND	Discharge from metal degreasing sites and other factories; dry cleaning solvent; refrigerant
<b>1,1,2-TCA (1,1,2-Trichloroethane)</b> Collection Date: 05/04/2016	ppb	5	0.3	0.5	ND	ND	Discharge from industrial chemical factories
<b>1,1-DCA (1,1-Dichloroethane)</b> Collection Date: 05/04/2016	ppb	5	3	0.5	ND	ND	Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
<b>1,1-DCE (1,1-Dichloroethylene)</b> Collection Date: 05/04/2016	ppb	6	10	0.5	ND	ND	Discharge from industrial chemical factories
<b>1,1-Dichloropropene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>1,2,3-Trichlorobenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>1,2,3-Trichloropropane</b> Collection Date: 05/04/2016	ppb	NA (g)	0.0007	0.005 (g)	ND	ND	
<b>1,2,4-Trichlorobenzene</b> Collection Date: 05/04/2016	ppb	5	5	0.5	ND	ND	Discharge from textile-finishing factories
<b>1,2,4-Trimethylbenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>o-DCB (1,2-Dichlorobenzene)</b> Collection Date: 05/04/2016	ppb	600	600	0.5	ND	ND	Discharge from industrial chemical factories
<b>1,2-DCA (1,2-Dichloroethane)</b> Collection Date: 05/04/2016	ppt	500	400	500	ND	ND	Discharge from industrial chemical factories
<b>1,2-Dichloropropane</b> Collection Date: 05/04/2016	ppb	5	0.5	0.5	ND	ND	Discharge from industrial chemical factories; primary component of some fumigants
<b>1,3,5-Trimethylbenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>m-DCB (1,3-Dichlorobenzene)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>1,3-Dichloropropane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>1,3-Dichloropropene, Total</b> Collection Date: 05/04/2016	ppt	500	200	500	ND	ND	Runoff/leaching from nematocide used on croplands
<b>p-DCB (1,4-Dichlorobenzene)</b> Collection Date: 05/04/2016	ppb	5	6	0.5	ND	ND	Discharge from industrial chemical factories
<b>2,2-Dichloropropane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>2,4-Dinitrotoluene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
<b>MEK (2-Butanone)</b> Collection Date: 05/04/2016	ppb	NA	NA	(5)	ND	ND	
<b>o-Chlorotoluene (2-Chlorotoluene)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>MIBK (4-Methyl-2-pentanone)</b> Collection Date: 05/04/2016	ppb	NA	NA	(5)	ND	ND	
<b>Acenaphthylene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
<b>alpha-Chlordane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Anthracene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.02)	ND	ND	

<b>AATREX (Atrazine)</b> Collection Date: 05/04/2016	ppb	1	0.15	0.5	ND	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
<b>Benzene</b> Collection Date: 05/04/2016	ppb	1	0.15	0.5	ND	ND	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
<b>Benzo (a) anthracene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Benzo (a) pyrene</b> Collection Date: 05/04/2016	ppt	200	7	100	ND	ND	Leaching from linings of water storage tanks and distribution mains
<b>Benzo (b) fluoranthene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.02)	ND	ND	
<b>Benzo (g,h,i) perylene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Benzo (k) fluoranthene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.02)	ND	ND	
<b>HYVAR (Bromacil)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.2)	ND	ND	
<b>Bromobenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Bromochloromethane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Bromoethane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Methyl Bromide (Bromomethane)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Butachlor</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Butylbenzylphthalate</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Caffeine</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Carbon disulfide</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Carbon tetrachloride</b> Collection Date: 05/04/2016	ppt	500	100	500	ND	ND	Discharge from chemical plants and other industrial activities
<b>Chlorobenzene</b> Collection Date: 05/04/2016	ppb	70	70	0.5	ND	ND	
<b>Chloroethane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Methyl chloride (Chloromethane)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Chrysene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.02)	ND	ND	
<b>c-1,2-DCE (cis-1,2-Dichloroethylene)</b> Collection Date: 05/04/2016	ppb	6	100	0.5	ND	ND	Discharge from industrial chemical factories; major biodegradation by-product of TCE and PCE groundwater contamination
<b>cis-1,3-Dichloropropene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	Runoff/leaching from nematocide used on croplands
<b>DEHP (Di (2-Ethylhexyl) phthalate)</b> Collection Date: 05/04/2016	ppb	4	12	3	ND	ND	Discharge from rubber and chemical factories; inert ingredient in pesticides
<b>Di-(2-Ethylhexyl) adipate</b> Collection Date: 05/04/2016	ppb	400	200	5	ND	ND	Discharge from chemical factories
<b>di-n-Butylphthalate</b> Collection Date: 05/04/2016	ppb	NA	NA	(1)	ND	ND	
<b>Diazinon</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
<b>Dibenz (a,h) anthracene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Dibromomethane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Freon 12 (Dichlorodifluoromethane)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Methylene chloride (Dichloromethane)</b> Collection Date: 05/04/2016	ppb	5	4	0.5	ND	ND	Discharge from pharmaceutical and chemical factories; insecticide
<b>Diethylphthalate</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>DIPE (Diisopropyl ether)</b> Collection Date: 05/04/2016	ppb	NA	NA	3	ND	ND	

<b>CYGON (Dimethoate)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
<b>Dimethylphthalate</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>2,3,7,8-TCDD (Dioxin)</b> Collection Date: 05/04/2016	ppq	30	0.05	5	ND	ND	Emissions from waste incineration and other combustion; discharge from chemical factories
<b>Endothall</b> Collection Date: 05/04/2016	ppb	100	94	45	ND	ND	Runoff from herbicide use for terrestrial and aquatic weeds; defoliant
<b>Ethylbenzene</b> Collection Date: 05/04/2016	ppb	300	300	0.5	ND	ND	Discharge from petroleum refineries; industrial chemical factories
<b>Fluoranthene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
<b>Fluorene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>gamma-Chlordane</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Glyphosate</b> Collection Date: 05/04/2016	ppb	700	900	(6)	ND	ND	Runoff from herbicide use
<b>Hexachlorobenzene</b> Collection Date: 05/04/2016	ppb	1	0.03	0.5	ND	ND	Discharge from metal refineries and agricultural chemical factories; by-product of chlorination reactions in wastewater
<b>Hexachlorobutadiene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Hexachlorocyclopentadiene</b> Collection Date: 05/04/2016	ppb	50	2	1	ND	ND	Discharge from chemical factories
<b>Indeno (1,2,3,c,d) Pyrene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Isophorone</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Cumene (Isopropylbenzene)</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>m,p-Xylenes</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	Discharge from petroleum and chemical factories; fuel solvent
<b>MTBE (Methyl tert-butyl ether)</b> Collection Date: 05/04/2016	ppb	13	13	3	ND	ND	Leaking underground storage tanks; discharge from petroleum and chemical factories
<b>Metolachlor</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Metribuzin</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>ORDRAM (Molinate)</b> Collection Date: 05/04/2016	ppb	20	1	2	ND	ND	Runoff/leaching from herbicide used on rice
<b>n-Butylbenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>n-Propylbenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Naphthalene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>o-Xylene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	Discharge from petroleum and chemical factories; fuel solvent
<b>p-Chlorotoluene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>p-Isopropyltoluene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>Phenanthrene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.04)	ND	ND	
<b>Propachlor</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Pyrene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>sec-Butylbenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>PRINCEP (Simazine)</b> Collection Date: 05/04/2016	ppb	4	4	1	ND	ND	Herbicide runoff
<b>Styrene</b> Collection Date: 05/04/2016	ppb	100	0.5	0.5	ND	ND	Discharge from rubber and plastic factories; leaching from landfills
<b>TAME (tert-Amyl methyl ether)</b> Collection Date: 05/04/2016	ppb	NA	NA	3	ND	ND	

<b>ETBE (tert-Butyl ethyl ether)</b> Collection Date: 05/04/2016	ppb	NA	NA	3	ND	ND	
<b>tert-Butylbenzene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	
<b>PCE (Tetrachloroethylene)</b> Collection Date: 05/04/2016	ppb	5	0.06	0.5	ND	ND	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
<b>BOLERO (c) (Thiobencarb)</b> Collection Date: 05/04/2016	ppb	70 (k)	42	1	ND	ND	Runoff/leaching from herbicide used on rice
<b>Toluene</b> Collection Date: 05/04/2016	ppb	150	150	0.5	ND	ND	Discharge from petroleum and chemical factories; underground gas tank leaks
<b>Total Xylenes</b> Collection Date: 05/04/2016	ppm	1.75	1.8	0.0005	ND	ND	Discharge from petroleum and chemical factories; fuel solvent
<b>t-1,2-DCE (trans-1,2-Dichloroethylene)</b> Collection Date: 05/04/2016	ppb	10	60	0.5	ND	ND	Discharge from industrial chemical factories; minor biodegradation by-product of TCE and PCE groundwater contamination
<b>trans-1,3-Dichloropropene</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.5)	ND	ND	Runoff/leaching from nematocide used on croplands
<b>trans-Nonachlor</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>TCE (Trichloroethylene)</b> Collection Date: 05/04/2016	ppb	5	1.7	0.5	ND	ND	Discharge from metal degreasing sites and other factories
<b>Freon 11 (Trichlorofluoromethane)</b> Collection Date: 05/04/2016	ppb	150	1300	5	ND	ND	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
<b>Trifluralin</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.1)	ND	ND	
<b>VC (Vinyl chloride)</b> Collection Date: 05/04/2016	ppt	500	50	500	ND	ND	Leaching from PVC piping; discharge from plastics factories; biodegradation by-product of TCE and PCE groundwater contamination
<b>Organochlorine Pesticides/PCBs</b>							
<b>Alanex (Alachlor)</b> Collection Date: 05/04/2016	ppb	2	4	1	ND	ND	Runoff from herbicide used on row crops
<b>Aldrin</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.05)	ND	ND	
<b>Chlordane</b> Collection Date: 05/04/2016	ppt	100	30	100	ND	ND	Residue of banned insecticide
<b>Dieldrin</b> Collection Date: 05/04/2016	ppb	NA	NA	(0.01)	ND	ND	
<b>Endrin</b> Collection Date: 05/04/2016	ppb	2	0.3	0.1	ND	ND	Residue of banned insecticide and rodenticide
<b>Heptachlor</b> Collection Date: 05/04/2016	ppt	10	8	10	ND	ND	Residue of banned insecticide
<b>Heptachlor epoxide</b> Collection Date: 05/04/2016	ppt	10	6	10	ND	ND	Breakdown of heptachlor
<b>gamma-BHC (Lindane)</b> Collection Date: 05/04/2016	ppt	200	32	200	ND	ND	Runoff/leaching from insecticide used on cattle, lumber, gardens
<b>Methoxychlor</b> Collection Date: 05/04/2016	ppb	30	0.09	10	ND	ND	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
<b>PCB 1016 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>PCB 1221 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>PCB 1232 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>PCB 1242 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>PCB 1248 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>PCB 1254 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals



<b>PCB 1260 Aroclor (as DCB)</b> Collection Date: 05/04/2016	ppt	500	NA	(100)	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>PCB's, Total</b> Collection Date: 05/04/2016	ppt	500	90	500	ND	ND	Runoff from landfills; discharge of waste chemicals
<b>Toxaphene</b> Collection Date: 05/04/2016	ppb	3	0.03	(0.5)	ND	ND	Runoff/leaching from insecticide used on cotton and cattle
<b>Other Synthetic Organics</b>							
<b>Diquat</b> Collection Date: 05/04/2016	ppb	20	6	4	ND	ND	Runoff from herbicide use for terrestrial and aquatic weeds
<b>Paraquat</b> Collection Date: 05/04/2016	ppb	NA	NA	(2.0)	ND	ND	
<b>Radionuclides</b>							
<b>Gross Alpha Particle</b> Collection Date: 05/04/2016	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

- 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
- Total Coliform MCL: No more than 5% of the monthly samples may be total coliform positive
- Copper, MTBE, and thiobencarb have both primary and secondary standards.
- MTBE has a secondary MCL of 5 ppb.
- 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.
- The State primary MCL for perchlorate was set at 6 ppb effective October 18, 2007. Perchlorate reporting level is 2 ppb.
- 1,2,3-Trichloropropane is an unregulated contaminant with a notification level of 0.005 ppb.
- Secondary MCL.
- 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.
- Thiobencarb has a secondary MCL of 1 ppb.