



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

COVERING THE REPORTING PERIOD OF JANUARY-DECEMBER 2017

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	0.04 - 0.18	NA	Soil runoff
			%	100%	NA	

INORGANIC CHEMICALS

Aluminum	ppm	1 (b)	0.6	0.05	Range	ND - 0.11	ND - 0.77	Residue from water treatment process; erosion of natural deposits
					Average	0.066	0.26	
Nitrate as Nitrogen	ppm	10 (h)	10	0.4	Range	0.44	0.56	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
					Average	0.44	0.56	

DISTRIBUTION SYSTEM MONITORING

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range	1.1 - 3.1	NA	Measurement of the disinfectant used in the production of drinking water
					Average	2.2	NA	
Total Coliform Bacteria (c)	--	5.0% of monthly samples	(0)	--	Range	0	NA	Naturally present in the environment
					Average	0	NA	
					Highest	0%	NA	
Total Trihalomethanes (d)	ppb	80	NA	NA	Range	26 - 55	NA	By-product of drinking water chlorination
					Average	36	NA	
					Highest LRAA	43.5	NA	
Haloacetic Acids (d)	ppb	60	NA	(e)	Range	6.2 - 22	NA	By-product of drinking water chlorination
					Average	14.2	NA	
					Highest LRAA	15.2	NA	

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	NA	Range	8 - 145	8 - 142	Runoff/leaching from natural deposits; seawater influence
					Average	39	36	
Color	ACU	15	NA	NA	Range	ND	25	Naturally occurring organic materials
					Average	ND	25	
Corrosivity (Aggressivity Index) (i)	None	non-corrosive	NA	NA	Range	11	11	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
					Average	11	11	
Odor Threshold	TON	3	NA	1	Range	1.0	ND	Naturally occurring organic materials
					Average	1.0	ND	
Specific Conductance	uS/cm	1600	NA	NA	Range	148 - 758	105 - 702	Substances that form ions when in water; seawater influence
					Average	306	265	
Sulfate	ppm	500	NA	NA	Range	30	13	Runoff/leaching from natural deposits; industrial wastes
					Average	30	13	
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range	77 - 394	55 - 365	Runoff/leaching from natural deposits;
					Average	165	142	
Turbidity (Monthly) (a)	NTU	5	NA	NA	Range	0.04 - 0.09	0.43 - 49.3	Soil runoff
					Average	0.05	7.7	

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	24 - 74	21 - 78	Runoff/leaching from natural deposits; seawater influence
					Average	44		
Calcium	ppm	NA	NA	NA	Range	18 - 62	18 - 60	Runoff/leaching from natural deposits; seawater influence
					Average	34		
Chromium, Hexavalent	ppm	NA	0.02	NA	Range	0.050	0.051	Discharge from electroplating factories, leather tanneries, wood preservation, chemical synthesis, refractory production, and textile manufacturing facilities; erosion of natural deposits
					Average	0.050		
Hardness (Total) as CaCO ₃	ppm	NA	NA	NA	Range	32 - 140	32 - 140	Leaching from natural deposits
					Average	67		
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 22	NA	Naturally present in the environment
					Average	0.8		
Iron, Total Count (f)	ppb	300	NA	100	Range	ND	760	Leaching from natural deposits, industrial wastes
					Average	ND		
Magnesium	ppm	NA	NA	NA	Range	4.8	4.6	Runoff/leaching from natural deposits; seawater influence
					Average	4.8		
Manganese, Total	ppb	NA	NA	NA	Range	ND	39	Runoff/leaching from natural deposits; seawater influence
					Average	ND		
2-Methylisoborneol	ng/L	NA	NA	NA	Range	1 - 3	1 - 3	
					Average	1.6		
pH	pH Units	NA	NA	NA	Range	8.03 - 8.50	7.50 - 8.55	Runoff/leaching from natural deposits; seawater influence
					Average	8.29		
Potassium	ppm	NA	NA	NA	Range	1.7	1.7	Runoff/leaching from natural deposits; seawater influence
					Average	1.7		
Sodium	ppm	NA	NA	NA	Range	24	14	Runoff/leaching from natural deposits; seawater influence
					Average	24		
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.6 - 2.7	2.9 - 6.1	Various natural and man made sources
					Average	2.0		

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 0.2 ppm.
- 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.
- 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
- TOCs are taken at the treatment plant's combined filter effluent.
- State MCL is 45 mg/L as NO₃, which equals 10 mg/L as N.
- 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)

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 2017 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	
MICROBIOLOGICAL									
Cryptosporidium	Oocysts/200L	TT	(0)	NA	12/12/2017	0	NC	NC	Naturally present in the environment
Giardia	Cysts/200L	TT	(0)	NA	12/12/2017	0	NC	NC	Naturally present in the environment
RADIONUCLIDES									
Gross Alpha Particle	pCi/L	15	(0)	3	5/2/2017	ND	5/2/2017	ND	Erosion of natural deposits
Gross Beta Particle (g)	pCi/L	50	(0)	4	5/2/2017	ND	5/2/2017	ND	Decay of natural and man-made deposits
ORGANIC CHEMICALS									
Regulated VOC's plus Lists 1&3 (EPA 524.2)									
1,1,1,2-Tetrachloroethane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
1,1,1-Trichloroethane	ppb	200	1,000	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from metal degreasing sites and other factories; manufacture of food wrappings
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	5/2/2017	ND	5/2/2017	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	ppm	1.2	4	0.01	5/2/2017	ND	5/2/2017	ND	Discharge from metal degreasing sites and other factories; drycleaning solvent; refrigerant
1,1,2-Trichloroethane	ppb	5	0.3	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories
1,1-Dichloroethane	ppb	5	3	0.5	5/2/2017	ND	5/2/2017	ND	Extraction and degreasing solvent; used in manufacture of pharmaceuticals, stone, clay and glass products; fumigant
1,1-Dichloroethylene	ppb	6	10	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories
1,1-Dichloropropene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
1,2,3-Trichlorobenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
1,2,3-Trichloropropane	ppb	NA (e)	0.0007	0.005	5/2/2017	ND	5/2/2017	ND	
1,2,4-Trichlorobenzene	ppb	5	5	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from textile-finishing factories
1,2,4-Trimethylbenzene	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	
Ethylene dibromide	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
1,2-Dichlorobenzene	ppb	600	600	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories
1,2-Dichloroethane	ppt	500	400	500	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories
1,2-Dichloropropane	ppb	5	0.5	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories; primary component of some fumigants
1,3,5-Trimethylbenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
1,3-Dichlorobenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
1,3-Dichloropropane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	

1,4-Dichlorobenzene	ppb	5	6	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories
2,2-Dichloropropane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
2-Butanone (MEK)	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
2-Chlorotoluene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
4-Methyl-2-pentanone	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Benzene	ppb	1	0.15	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from plastics, dyes and nylon factories; leaching from gas storage tanks and landfills
Bromobenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Bromochloromethane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Bromomethane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Carbon disulfide	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Carbon tetrachloride	ppt	500	100	500	5/2/2017	ND	5/2/2017	ND	Discharge from chemical plants and other industrial activities
Chlorobenzene	ppb	70	70	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial and agricultural chemical factories and drycleaning facilities
Chloroethane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Chloromethane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
cis-1,2-Dichloroethylene	ppb	6	100	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination
cis-1,3-Dichloropropene	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from nematocide used on croplands
Dibromomethane	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	
Diisopropyl ether	ppb	NA	NA	3	5/2/2017	ND	5/2/2017	ND	
Dichlorodifluoromethane	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Ethylbenzene	ppb	300	300	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum refineries; industrial chemical factories
tert-Butyl ethyl ether	ppb	NA	NA	3	5/2/2017	ND	5/2/2017	ND	
Hexachlorobutadiene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Isopropylbenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
m,p-Xylenes	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum and chemical factories; fuel solvent
Dichloromethane	ppb	5	4	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from pharmaceutical and chemical factories; insecticide
Methyl tert-butyl ether (a)	ppb	13 (b)	13	3	5/2/2017	ND	5/2/2017	ND	Leaking underground storage tanks; discharge from petroleum and chemical factories
Naphthalene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
n-Butylbenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
n-Propylbenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
o-Xylene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum and chemical factories; fuel solvent
p-Chlorotoluene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
p-Isopropyltoluene	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	

sec-Butylbenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Styrene	ppb	100	0.5	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from rubber and plastic factories; leaching from landfills
tert-Amyl methyl ether	ppb	NA	NA	3	5/2/2017	ND	5/2/2017	ND	
tert-Butylbenzene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Tetrachloroethylene	ppb	5	0.06	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from factories, dry cleaners, and auto shops (metal degreaser)
Toluene	ppb	150	150	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum and chemical factories; underground gas tank leaks
1,3-Dichloropropene, Total	ppt	500	200	500	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from nematocide used on croplands
Total Xylenes	ppm	1.75	1.8	0.0005	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum and chemical factories; fuel solvent
trans-1,2-Dichloroethylene	ppb	10	60	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial chemical factories; minor biodegradation byproduct of TCE and PCE groundwater contamination
trans-1,3-Dichloropropene	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from nematocide used on croplands
Trichloroethylene	ppb	5	1.7	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane	ppb	150	1300	5	5/2/2017	ND	5/2/2017	ND	Discharge from industrial factories; degreasing solvent; propellant and refrigerant
Vinyl chloride	ppt	500	50	500	5/2/2017	ND	5/2/2017	ND	Leaching from PVC piping; discharge from plastics factories; biodegradation byproduct of TCE and PCE groundwater contamination
Organochlorine Pesticides/PCBs (EPA 505)									
Alachlor	ppb	2	4	1	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide used on row crops
Aldrin	ppb	NA	NA	0.075	5/2/2017	ND	5/2/2017	ND	
Chlordane	ppt	100	30	100	5/2/2017	ND	5/2/2017	ND	Residue of banned insecticide
Dieldrin	ppb	NA	NA	0.02	5/2/2017	ND	5/2/2017	ND	
Endrin	ppb	2	0.3	0.1	5/2/2017	ND	5/2/2017	ND	Residue of banned insecticide and rodenticide
Heptachlor	ppt	10	8	10	5/2/2017	ND	5/2/2017	ND	Residue of banned insecticide
Heptachlor epoxide	ppb	10	6	10	5/2/2017	ND	5/2/2017	ND	Breakdown of heptachlor
Lindane	ppt	200	32	200	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	ppb	30	0.09	10	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
PCB 1016 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB 1221 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB 1232 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB 1242 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB 1248 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB 1254 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB 1260 Aroclor (as DCB)	ppt	500	NA	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
PCB's, Total	ppt	500	90	500	5/2/2017	ND	5/2/2017	ND	Runoff from landfills; discharge of waste chemicals
Toxaphene	ppb	3	0.03	1	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from insecticide used on cotton and cattle

Aldicarb (EPA 531.2)									
3-Hydroxycarbofuran	ppb	NA	NA	3	5/2/2017	ND	5/2/2017	ND	
Aldicarb	ppb	NA	NA	3	5/2/2017	ND	5/2/2017	ND	
Aldicarb sulfone	ppb	NA	NA	4	5/2/2017	ND	5/2/2017	ND	
Aldicarb sulfoxide	ppb	NA	NA	3	5/2/2017	ND	5/2/2017	ND	
Baygon	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	
Carbaryl	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Carbofuran	ppb	18	0.7	5	5/2/2017	ND	5/2/2017	ND	Leaching of soil fumigant used on rice and alfalfa, and grape vineyards
Methiocarb	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	
Methomyl	ppb	NA	NA	2	5/2/2017	ND	5/2/2017	ND	
Oxamyl	ppb	50	26	20	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from insecticide used on field crops, fruits and ornamentals, especially apples, potatoes, and tomatoes
Diquat and Paraquat (EPA 549.2)									
Diquat	ppb	20	6	4	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide use for terrestrial and aquatic weeds
Paraquat	ppb	NA	NA	(2.0)	5/2/2017	ND	5/2/2017	ND	
EDB and DBCP (EPA 551.1)									
Dibromochloropropane	ppt	200	1.7	10	5/2/2017	ND	5/2/2017	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	ppt	50	10	20	5/2/2017	ND	5/2/2017	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
Chlorophenoxy Herbicides (EPA 515.4)									
2,4,5-T	ppb	NA	NA	(0.2)	5/2/2017	ND	5/2/2017	ND	
2,4,5-TP	ppb	50	3	1	5/2/2017	ND	5/2/2017	ND	Residue of banned herbicide
2,4-Dichlorophenoxyacetic acid	ppb	70	20	10	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide used on row crops, range land, lawns, and aquatic weeds
2,4-DB	ppb	NA	NA	(2.0)	5/2/2017	ND	5/2/2017	ND	
3,5-Dichlorobenzoic acid	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	
Acifluorfen	ppb	NA	NA	(0.2)	5/2/2017	ND	5/2/2017	ND	
Bentazon	ppb	18	200	2	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
Dalapon	ppb	200	790	10	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide used on rights-of-way, and crops and landscape maintenance
Dicamba	ppb	NA	NA	1.5	5/2/2017	ND	5/2/2017	ND	
Dichlorprop	ppb	NA	NA	(0.5)	5/2/2017	ND	5/2/2017	ND	
Dinoseb	ppb	7	14	2	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
Pentachlorophenol	ppb	1	0.3	0.2	5/2/2017	ND	5/2/2017	ND	Discharge from wood preserving factories, cotton and other insecticidal/herbicide uses

Picloram	ppb	500	166	1	5/2/2017	ND	5/2/2017	ND	Herbicide runoff
DCPA (total Mono & Diacid Degradates)	ppb	NA	NA	(0.1)	5/2/2017	ND	5/2/2017	ND	
Other Synthetic Organics									
Dioxin	ppq	30	0.05	5	5/2/2017	ND	5/2/2017	ND	Emissions from waste incineration and other combustion; discharge from chemical factories
Endothall	ppb	100	94	45	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide use for terrestrial and aquatic weeds; defoliant
Glyphosate	ppb	700	900	25	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide use
Semivolatiles (EPA 525.2)									
2,4-Dinitrotoluene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Acenaphthylene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
alpha-Chlordane	ppb	NA	NA	(0.05)	5/2/2017	ND	5/2/2017	ND	
Anthracene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Atrazine	ppb	1	0.15	0.5	5/2/2017	ND	5/2/2017	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
Benzo (a) anthracene	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Benzo (a) pyrene	ppt	200	7	100	5/2/2017	ND	5/2/2017	ND	Leaching from linings of water storage tanks and distribution mains
Benzo (b) fluoranthene	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Benzo (g,h,i) perylene	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Benzo (k) fluoranthene	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Bromacil	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Butachlor	ppb	NA	NA	0.38	5/2/2017	ND	5/2/2017	ND	
Butylbenzylphthalate	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Chrysene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Di (2-Ethylhexyl) phthalate	ppb	4	12	3	5/2/2017	ND	5/2/2017	ND	Discharge from rubber and chemical factories; inert ingredient in pesticides
Di-(2-Ethylhexyl) adipate	ppb	400	200	5	5/2/2017	ND	5/2/2017	ND	Discharge from chemical factories
di-n-Butylphthalate	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Diazinon	ppb	NA	NA	(0.1)	5/2/2017	ND	5/2/2017	ND	
Dibenz (a,h) anthracene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Diethylphthalate	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Dimethoate	ppb	NA	NA	(0.1)	5/2/2017	ND	5/2/2017	ND	
Dimethylphthalate	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Fluoranthene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Fluorene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
gamma-Chlordane	ppb	NA	NA	(0.05)	5/2/2017	ND	5/2/2017	ND	

Hexachlorobenzene	ppb	1	0.03	0.5	5/2/2017	ND	5/2/2017	ND	Discharge from metal refineries and agricultural chemical factories; byproduct of chlorination reactions in wastewater
Hexachlorocyclopentadiene	ppb	50	2	1	5/2/2017	ND	5/2/2017	ND	Discharge from chemical factories
Indeno (1,2,3,c,d) Pyrene	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Isophorone	ppb	NA	NA	10	5/2/2017	ND	5/2/2017	ND	
Metribuzin	ppb	NA	NA	(0.05)	5/2/2017	ND	5/2/2017	ND	
Molinate	ppb	20	1	2	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from herbicide used on rice
Phenanthrene	ppb	NA	NA	5	5/2/2017	ND	5/2/2017	ND	
Propachlor	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Pyrene	ppb	NA	NA	0.5	5/2/2017	ND	5/2/2017	ND	
Simazine	ppb	4	4	1	5/2/2017	ND	5/2/2017	ND	Herbicide runoff
Thiobencarb (a)	ppb	70 (f)	42	1	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from herbicide used on rice
trans-Nonachlor	ppb	NA	NA	(0.05)	5/2/2017	ND	5/2/2017	ND	
Trifluralin	ppb	NA	NA	(0.1)	5/2/2017	ND	5/2/2017	ND	
INORGANIC CHEMICALS									
Antimony, Total	ppm	6	1	6	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic, Total	ppb	10	0.004	2	5/2/2017	ND	5/2/2017	ND	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Barium, Total	ppm	1	2	0.1	5/2/2017	ND	5/2/2017	ND	Discharges of oil drilling wastes and from metal refineries; erosion of natural deposits
Beryllium, Total	ppb	4	1	1	5/2/2017	ND	5/2/2017	ND	Discharge from metal refineries, coal-burning factories, and electrical, aerospace, defense ind.
Cadmium, Total	ppb	5	0.04	0.01	5/2/2017	ND	5/2/2017	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	5/2/2017	ND	5/2/2017	ND	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Copper (a)	ppm	1 ^(c) (f)	0.3	0.05	5/2/2017	ND	5/2/2017	ND	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Cyanide	ppb	150	150	100	5/2/2017	ND	5/2/2017	ND	Discharge from steel/metal, plastic and fertilizer factories
Fluoride	ppm	10	0.02	0.1	5/2/2017	ND	5/2/2017	ND	Erosion of natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
Hydroxide as OH	ppm	NA	NA	(2)	5/2/2017	ND	5/2/2017	ND	
Nitrite Nitrogen	ppm	1	1	0.4	5/2/2017	ND	5/2/2017	ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Perchlorate	ppb	6 (d)	1	4	5/2/2017	ND	5/2/2017	ND	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches,
Selenium, Total	ppb	50	30	5	5/2/2017	ND	5/2/2017	ND	Discharge from petroleum, glass, and metal refineries; erosion of natural deposits; discharge from mines
Silver, Total	ppb	100 (f)	NA	10	5/2/2017	ND	5/2/2017	ND	Industrial Discharges
Thallium, Total	ppb	2	0.1	1	5/2/2017	ND	5/2/2017	ND	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
Zinc, Total	ppm	5 (f)	NA	0.05	5/2/2017	ND	5/2/2017	ND	Runoff/leaching from natural deposits; industrial wastes

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) 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.