

**YUIMA MWD - Wholesalers 2017 Water Quality Information**

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Testing date: 2017	Combined Sources Yuima IDA	Imported Colorado State Project	Major Sources in Drinking Water
					Range Average			
<b>PRIMARY STANDARDS--Mandatory Health-Related Standards</b>								
<b>CLARITY</b>								
Combined Filter Effluent Turbidity	NTU %	TT-1 TT(a)	NA	NA	Highest %<0.3	NA	0.1	Soil runoff
<b>MICROBIOLOGICAL</b>								
Total Coliform Bacteria (b)	%	5.0	MCLG=0	NA	Range Average	ND	ND	Naturally present in the environment
<i>E. coli</i>	(c)	(c)	MCLG=0	NA		ND	ND	Human and animal fecal waste
Total Coliform Bacteria Federal Revised total Coliform Rule	%	TT (d)	NA	NA	Range Average	ND	ND	Naturally present in the environment
<i>E. Coli</i> Federal Revised Total Coliform Rule	(e)	(e)	MCLG=0	NA		ND	ND	Human and animal fecal waste
Heterotrophic Plate Count (HPC) (f)	CFU/mL	TT	NA	NA	Range Average	TT	TT	Naturally present in the environment
<i>Cryptosporidium</i>	Oocysts/ 200 L	TT	MCLG=0	NA	Range Average	NA	ND	Human and animal fecal waste
<i>Giardia</i>	Cysts/ 200 L	TT	MCLG=0	NA	Range Average	NA	ND	Human and animal fecal waste
<b>ORGANIC CHEMICALS</b>								
<b>Pesticides/PCBs (g)</b>								
Alachlor	ppb	2	4	1	Range Average	ND	ND	Runoff from herbicide used on row crops
Atrazine	ppb	1	0.15	0.5	Range Average	ND	ND	Runoff from herbicide used on row crops and along highways
Bentazon	ppb	18	200	2	Range Average	ND	ND	Runoff/leaching from herbicide used on rice, alfalfa, and grapes
Carbofuran	ppb	18	1.7	5	Range Average	ND	ND	Leaching of soil fumigant used on rice, alfalfa, and grapes
Chlordane	ppt	100	30	100	Range Average	ND	ND	Residue of banned insecticide
2,4-D	ppb	70	20	10	Range Average	ND	ND	Runoff from herbicide used on row crops, range land, lawns
Dalapon	ppb	200	790	10	Range Average	ND	ND	Runoff from herbicide used on rights-of-way, crops, and landscapes
Dibromochloropropane (DBCP)	ppt	200	1.7	10	Range Average	ND	ND	Banned nematocide that may still be present in soils
Dinoseb	ppb	7	14	2	Range Average	ND	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
Diquat	ppb	20	15	4	Range Average	ND	ND	Runoff from herbicide used for terrestrial and aquatic weeds
Endothall	ppb	100	94	45	Range Average	ND	ND	Runoff from herbicide used for terrestrial and aquatic weeds
Endrin	ppb	2	1.8	0.1	Range Average	ND	ND	Residue of banned insecticide and rodenticide
Ethylene Dibromide (EDB)	ppt	50	10	20	Range Average	ND	ND	Petroleum refinery discharges; underground gas tank leaks
Glyphosate	ppb	700	900	25	Range Average	ND	ND	Runoff from herbicide use
Heptachlor	ppt	10	8	10	Range Average	ND	ND	Residue of banned insecticide
Heptachlor Epoxide	ppt	10	6	10	Range Average	ND	ND	Breakdown product of heptachlor
Lindane	ppt	200	32	200	Range Average	ND	ND	Runoff/leaching from insecticide used on cattle, lumber, and gardens
Methoxychlor	ppb	30	0.09	10	Range Average	ND	ND	Runoff/leaching from insecticide uses

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					Range Average			
Molinate (Ordrum)	ppb	20	1	2	Range Average	ND ND	ND ND	Runoff/leaching from herbicide used on rice
Oxamyl (Vydate)	ppb	50	26	20	Range Average	ND ND	ND ND	Runoff/leaching from insecticide uses
Pentachlorophenol	ppb	1	0.3	0.2	Range Average	ND ND	ND ND	Discharge from wood preserving factories other insecticidal and herbicidal uses
Picloram	ppb	500	500	1	Range Average	ND ND	ND ND	Herbicide runoff
Polychlorinated Biphenyls (PCBs)	ppt	500	90	500	Range Average	ND ND	ND ND	Runoff from landfills; discharge of waste chemicals
Simazine	ppb	4	4	1	Range Average	ND ND	ND ND	Herbicide runoff
Thiobencarb (e)	ppb	70	70	1	Range Average	ND ND	ND ND	Runoff leaching from rice herbicide
2,4,5-TP (Silvex)	ppb	50	3	1	Range Average	ND ND	ND ND	Residue of banned herbicide
Toxaphene	ppb	3	0.03	1	Range Average	ND ND	ND ND	Runoff/leaching from insecticide used on cotton and cattle
<b>Semi-Volatile Organic Compounds (g)</b>								
Acrylamide	NA	TT	MCLG=0	NA	Range Average	NU NU	TT TT	Water treatment chemical impurities
Benzo(a)pyrene	ppt	200	7	100	Range Average	ND ND	ND ND	Leaching from water storage tank linings and distribution lines
Di(2-ethylhexyl)adipate	ppb	400	200	5	Range Average	ND ND	ND ND	Discharge from chemical factories
Di(2-ethylhexyl)phthalate	ppb	4	12	3	Range Average	ND ND	ND ND	Chemical factory discharge; inert ingredient in pesticides
Epichlorohydrin	NA	TT	MCLG=0	NA	Range Average	NU NU	TT TT	Water treatment chemical impurities
Hexachlorobenzene	ppb	1	0.03	0.5	Range Average	ND ND	ND ND	Discharge from metal refineries & agrichemicals factories; wastewater chlorination reaction by-product
Hexachlorocyclopentadiene	ppb	50	2	1	Range Average	ND ND	ND ND	Discharge from chemical factories
2,3,7,8-TCDD (Dioxin)	ppq	30	0.05	5	Range Average	ND ND	ND ND	Waste incineration emissions; chemical factory discharge
<b>Volatile Organic Compounds</b>								
Benzene	ppb	1	0.15	0.5	Range Average	ND ND	ND ND	Plastics factory discharge; gas tanks and landfill leaching
Carbon Tetrachloride	ppt	500	100	500	Range Average	ND ND	ND ND	Discharge from chemical plants and other industrial waste
1,2-Dichlorobenzene	ppb	600	600	0.5	Range Average	ND ND	ND ND	Discharge from industrial chemical factories
1,4-Dichlorobenzene	ppb	5	6	0.5	Range Average	ND ND	ND ND	Discharge from industrial chemical factories
1,1-Dichloroethane	ppb	5	3	0.5	Range Average	ND ND	ND ND	Extraction and degreasing solvent; fumigant
1,2-Dichloroethane	ppt	500	400	500	Range Average	ND ND	ND ND	Discharge from industrial chemical factories
1,1-Dichloroethylene	ppb	6	10	0.5	Range Average	ND ND	ND ND	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene	ppb	6	100	0.5	Range Average	ND ND	ND ND	Industrial chemical factory discharge; by-product of TCE and PCE biodegradation
trans-1,2-Dichloroethylene	ppb	10	60	0.5	Range Average	ND ND	ND ND	Industrial chemical factory discharge; by-product of TCE and PCE biodegradation
Dichloromethane (Methylene Chloride)	ppb	5	4	0.5	Range Average	ND ND	ND ND	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane	ppb	5	0.5	0.5	Range Average	ND ND	ND ND	Industrial chemical factory discharge; primary component of some fumigants
1,3-Dichloropropene	ppt	500	200	500	Range Average	ND ND	ND ND	Runoff/leaching from nematocide used on croplands

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					Range Average			
Ethylbenzene	ppb	300	300	0.5	Range Average	ND ND	ND ND	Petroleum refinery discharge; industrial chemical factories
Methyl- <i>tert</i> -butyl ether (MTBE) (e,f)	ppb	13	13	3	Range Average	ND ND	ND ND	Gasoline discharge from watercraft engines
Monochlorobenzene-Yuima result from 2013	ppb	70	70	0.5	Range Average	ND ND	ND ND	Discharge from industrial, agricultural, and chemical factories, and dry cleaners
Styrene	ppb	100	0.5	0.5	Range Average	ND ND	ND ND	Rubber and plastics factories discharge; landfill leaching
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	Range Average	ND ND	ND ND	Discharge from industrial, agricultural, and chemical factories; solvent uses
Tetrachloroethylene (PCE)-Yuima result from 2013	ppb	5	0.06	0.5	Range Average	ND ND	ND ND	Discharge from factories, dry cleaners, and auto shops
Toluene	ppb	150	150	0.5	Range Average	ND ND	ND ND	Discharge from petroleum and chemical refineries
1,2,4-Trichlorobenzene	ppb	5	5	0.5	Range Average	ND ND	ND ND	Discharge from textile-finishing factories
1,1,1-Trichloroethane	ppb	200	1,000	0.5	Range Average	ND ND	ND ND	Metal degreasing site discharge; manufacture of food wrappings
1,1,2-Trichloroethane	ppb	5	0.3	0.5	Range Average	ND ND	ND ND	Discharge from industrial chemical factories
Trichloroethylene (TCE)-Yuima result from 2013	ppb	5	1.7	0.5	Range Average	ND ND	ND ND	Discharge from metal degreasing sites and other factories
Trichlorofluoromethane (Freon-11)	ppb	150	1300	5	Range Average	ND-38 ND	ND ND	Industrial factory discharge; degreasing solvent; propellant
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ppm	1.2	4	0.01	Range Average	ND ND	ND ND	Discharge from metal degreasing sites and other factories; dry cleaning solvent; refrigerant
Vinyl Chloride	ppt	500	50	500	Range Average	ND ND	ND ND	Leaching from PVC piping; plastic factory discharge; by-product of TCE and PCE biodegradation
Xylenes	ppm	1,750	1.8	0.0005	Range Average	ND ND	ND ND	Discharge from petroleum and chemical refineries; fuel solvent
<b>INORGANIC CHEMICALS</b>								
Aluminum	ppb	1,000	600	50	Range Average	ND-150 ND	ND ND	Residue from water treatment process; natural deposits erosion
Antimony	ppb	6	20	6	Range Average	ND ND	ND ND	Petroleum refinery discharges; fire retardants; solder; electronics
Arsenic	ppb	10	0.004	2	Range Average	ND-4 ND	ND ND	Natural deposits erosion, glass and electronics production wastes
Asbestos (h)	MFL	7	7	0.2	Range Average	ND ND	ND ND	Asbestos cement pipes internal corrosion; natural deposits erosion
Barium	ppb	1,000	2,000	100	Range Average	ND-15 ND	ND ND	Oil and metal refineries discharge; natural deposits erosion
Beryllium	ppb	4	1	1	Range Average	ND ND	ND ND	Discharge from metal refineries, aerospace, and defense industries
Cadmium	ppb	5	0.04	1	Range Average	ND ND	ND ND	Internal corrosion of galvanized pipes; natural deposits erosion
Chromium	ppb	50	MCLG=0	10	Range Average	ND ND	ND ND	Discharge from steel and pulp mills; natural deposits erosion
Chromium VI (i)	ppb	10	0.02	1	Range Average	ND ND	ND ND	Industrial waste discharge; could be naturally present as well
Copper (j)	ppm	AL = 1.3	0.3	0.05	Site Sampled 90th %	5 ND	ND ND	Internal corrosion of household pipes; natural deposits erosion
Cyanide	ppb	150	150	100	Range Average	ND ND	ND ND	Discharge from steel/metal, plastic, and fertilizer factories
Fluoride (k) Treatment-related	ppm	2.0	1	0.1	Range Average	0.11-0.2 0.16	0.5-0.9 0.7	Water additive for dental health
Lead (l)	ppb	AL = 15	0.2	5	Site Sampled 90th %	5 ND	ND ND	House pipes internal corrosion; erosion of natural deposits
Mercury	ppb	2	1.2	1	Range Average	ND ND	ND ND	Erosion of natural deposits; factory discharge; landfill runoff

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					Range			
Nickel	ppb	100	12	10	Range	ND-200	ND	Erosion of natural deposits; discharge from metal factories
					Average	ND	ND	
Nitrate (as N)	ppm	10	10	0.4	Range	ND-9.7	ND	Runoff and leaching from fertilizer use; septic tank and sewage; natural deposits erosion
					Average	2.08	ND	
Nitrite (as N)	ppm	1	1	0.4	Range	ND	ND	Runoff and leaching from fertilizer use; septic tank and sewage; natural deposits erosion
					Average	ND	ND	
Perchlorate (l)	ppb	6	1	4	Range	ND-4.3	ND	Yuima values are treated
					Average	ND	ND	Industrial waste discharge
Selenium	ppb	50	30	5	Range	ND	ND	Refineries, mines, and chemical waste discharge; runoff from livestock lots
					Average	ND	ND	Leaching from ore processing; electronics
Thallium	ppb	2	0.1	1	Range	ND	ND	factory discharge
					Average	ND	ND	
<b>RADIOLOGICALS (m)</b>								
Gross Alpha Particle Activity	pCi/L	15	MCLG=0	3	Range	ND-6.48	ND-4	Erosion of natural deposits
					Average	ND	ND	
Gross Beta Particle Activity-Yuima result from 2016	pCi/L	50 (n)	MCLG=0	4	Range	NA	ND-5	Decay of natural and man-made deposits
					Average	1.64	ND	
Radium-226 - Yuima result from 2016	pCi/L	NA	0.05	1	Range	ND	ND	Erosion of natural deposits
					Average	0.025	ND	
Radium-228 Combined Radium-226 + 228	pCi/L	5	MCLG=0	NA	Range	NA	ND	Erosion of natural deposits
					Average	NA	ND	
Strontium-90	pCi/L	8	0.35	2	Range	NA	ND	Decay of natural and man-made deposits
					Average	NA	ND	
Tritium	pCi/L	20,000	400	1,000	Range	NA	ND	Decay of natural and man-made deposits
					Average	NA	ND	
Uranium - Yuima result from 2015	pCi/L	20	0.43	1	Range	NA	ND-3	Erosion of natural deposits
					Average	3.4	ND	
<b>DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTANT BY-PRODUCTS PRECURSORS</b>								
Total Trihalomethanes (TTHM) (o)	ppb	80	NA	1	Range	7.7-15	14-38	By-product of drinking water chlorination
					Average	11.3	19	
Haloacetic Acids (five) (HAA5) (p)	ppb	60	NA	1	Range	ND-7.2	4.0-8.8	By-product of drinking water chlorination
					Average	3.6	5.4	
Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG=4.0	NA	Range	0.23-2.9	1.1-3.1	Drinking water disinfectant added for treatment
					Average	1.69	2.4	
Bromate (q)	ppb	10	0.1	1	Range	NA	ND-12	By-product of drinking water ozonation
					Average	NA	4.1	
DBP Precursors Control (TOC)	ppm	TT	NA	0.30	Range	NA	TT	Various natural and man-made sources
					Average	NA	TT	
<b>SECONDARY STANDARDS--Aesthetic Standards</b>								
Aluminum	ppb	200	600	50	Range	ND-150	ND	Residue from water treatment process; natural deposits erosion
					Highest RAA	ND	ND	
Chloride	ppm	500	NA	NA	Range	7.4-99	56-72	Runoff/leaching from natural deposits; seawater influence
					Average	43.9	64	
Color	Units	15	NA	NA	Range	ND-10	NA	Naturally-occurring organic materials
					Average	3.25	1	
Foaming Agents (MBAS)	ppb	500	NA	NA	Range	ND	ND	Municipal and industrial waste discharges
					Average	ND	ND	
Iron	ppb	300	NA	100	Range	ND-26000	ND	Yuima values are treated
					Average	1310	ND	Leaching from natural deposits; industrial wastes
Manganese	ppb	50	NL = 500	20	Range	ND	NA	Yuima values are treated
					Average	ND	27	Leaching from natural deposits
MTBE-Yuima result from 2013	ppb	5	13	3	Range	ND	ND	Gasoline discharge from watercraft engines
					Average	ND	ND	
Odor Threshold	TON	3	NA	1	Range	ND	NA	Naturally-occurring organic materials
					Average	ND	3	

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					Range			
Silver	ppb	100	NA	10	Range Average	ND ND	ND ND	Industrial discharges
Specific Conductance	µS/cm	1,600	NA	NA	Range Average	260-990 696.3	455-571 513	Substances that form ions in water; seawater influence
Sulfate	ppm	500	NA	0.5	Range Average	87-280 162	66-81 74	Runoff/leaching from natural deposits; industrial wastes
Thiobencarb	ppb	1	70	1	Range Average	ND ND	ND ND	Runoff/leaching from rice herbicide
Total Dissolved Solids (TDS)	ppm	1,000	NA	NA	Range Average	ND ND	259-321 290	Runoff/leaching from natural deposits; seawater influence
Turbidity (a)	NTU	5	NA	.1	Range Average	ND-22 4.6	ND ND	Soil runoff
Zinc	ppm	5.0	NA	0.05	Range Average	ND-0.29 ND	ND ND	Runoff/leaching from natural deposits; industrial wastes
<b>OTHER PARAMETERS</b>								
<b>MICROBIOLOGICAL</b>								
HPC (f)	CFU/mL	NA	NA	NA	Range Average	ND-740 65.4	ND - 1 ND	Naturally present in the environment
<b>CHEMICAL</b>								
Alkalinity (as CaCO3)	ppm	NA	NA	NA	Range Average	68-170 121.4	62-78 70	
Boron-Yuima result from 2013	ppb	NL = 1,000	NA	100	Range Average	ND ND	NA 110	Some pregnant women who drink water in excess containing boron - risk of developmental effects
Calcium	ppm	NA	NA	NA	Range Average	38-130 79.1	27-32 30	
Chlorate	ppb	NL = 800	NA	20	Range Average	NA NA	23	By-product of drinking water chlorination; industrial processes
Corrosivity (r) (as Aggressiveness Index)	AI	NA	NA	NA	Range Average	11-13 11.9	11.8-12 11.9	Elemental balance in water; affected by temperature, other factors
Corrosivity (s) (as Saturation Index)	SI	NA	NA	NA	Range Average	NA NA	0.04-0.25 0.14	Elemental balance in water; affected by temperature, other factors
Hardness (as CaCO3)	ppm	NA	NA	NA	Range Average	130-430 273.8	109-129 119	Municipal and industrial waste discharges
Magnesium	ppm	NA	NA	NA	Range Average	7.6-27 18.6	11-13 12	
pH	pH Units	NA	NA	NA	Range Average	6.9-8 7.5	NA 8.2	
Potassium	ppm	NA	NA	NA	Range Average	4.2-8.4 6.1	2.8-3.2 3.0	
Radon (m)	pCi/L	NA	NA	100	Range Average	NA NA	ND ND	
Sodium	ppm	NA	NA	NA	Range Average	18-69 45.3	48-56 52	
TOC	ppm	TT	NA	0.30	Range Average	NA NA	1.9-3.1 2.5	Various natural and man-made sources TOC as a medium for the formation of disinfection byproducts
Vanadium	ppb	NL = 50	NA	3	Range Average	NA NA	ND ND	Naturally-occurring; industrial waste discharge
N-Nitrosodimethylamine (NDMA)	ppt	NL = 10	3	2	Range Average	NA NA	ND-3.1 ND-3.1	By-product of drinking water chloramination; industrial processes
Dichlorodifluoromethane (Freon 12)	ppb	NL = 1,000	NA	0.5	Range Average	ND ND	ND ND	Industrial waste discharge
Ethyl-tert-butyl ether (ETBE)-Yuima result from 2013	ppb	NA	NA	3	Range Average	ND ND	ND ND	Used as gasoline additive
tert-Amyl-methyl ether (TAME)-Yuima result from 2013	ppb	NA	NA	3	Range Average	ND ND	ND ND	Used as gasoline additive
tert-Butyl alcohol (TBA)	ppb	NL = 12	NA	2	Range Average	NA NA	ND ND	MTBE breakdown product; used as gasoline additive

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### ABBREVIATIONS AND FOOTNOTES

#### Abbreviations

AI	Aggressiveness Index	NL	Notification Level
AL	Action Level	NTU	Nephelometric Turbidity Units
CaCO <sub>3</sub>	Calcium Carbonate	pCi/L	picoCuries per Liter
CFU	Colony-Forming Units	PHG	Public Health Goal
DBP	Disinfection By-Products	ppb	parts per billion or micrograms per liter (µg/L)
DLR	Detection Limits for purposes of Reporting	ppm	parts per million or milligrams per liter (mg/L)
MBAS	Methylene Blue Active Substances	ppq	parts per quadrillion or picograms per liter (pg/L)
MCL	Maximum Contaminant Level	ppt	parts per trillion or nanograms per liter (ng/L)
MCLG	Maximum Contaminant Level Goal	RAA	Running Annual Average; highest RAA is the highest of all Running Annual Averages calculated as average of all the samples collected within a twelve-month period
MFL	Million Fibers per Liter	SI	Saturation Index (Langelier)
MRDL	Maximum Residual Disinfectant Level	TOC	Total Organic Carbon
MRDLG	Maximum Residual Disinfectant Level Goal	TON	Threshold Odor Number
NU	Not Used	TT	Treatment Techniques a required process intended to reduce the level of a contaminant in drinking water
NA	Not Applicable	µS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)
ND	Not Detected		
NC	Not Collected		

#### Footnotes: Footnotes (a) through (o) pertain to the Imported Colorado State Project supply.

- (a) As a Primary Standard, the turbidity levels of the filtered water were less than or equal to 0.3 NTU in 95% of the online measurements taken each month and did not exceed 1 NTU for more than one hour. Turbidity, a measure of the cloudiness of the water, is an indicator of treatment performance. The State DLR for turbidity is 0.1 NTU
- (b) Total coliform MCLs: No more than 5.0% of the monthly samples may be total coliform-positive. Compliance is based on the combined distribution system sampling from all the treatment plants. In 2016, 7106 samples were analyzed and three samples were positive for total coliforms. The MCL was not violated. 24 samples were taken for Yuima and none were positive for total coliform
- (c) *E. coli* MCLs: The occurrence of two (2) consecutive total coliform-positive samples, one of which contains fecal coliform/*E. coli*, constitutes an acute MCL violation. The MCL was not violated.
- (d) Total coliform TT trigger, Level 1 assessments, and total coliform TT violations: More than 5.0% total coliform-positive samples in a month trigger Level 1 assessments. Failure to conduct assessments and correct findings within 30 days is a total coliform violation. No triggers, Level 1 assessments or violations occurred
- € *E. coli* MCL and Level 2 TT triggers for assessments: Routine and repeat samples are total coliform-positive and either sample is *E. coli*-positive or system fails to collect all repeat samples following an *E. coli*-positive sample or fails to test for *E. coli* when the repeat sample is total coliform-positive. No samples were *E. coli*-positive.
- (f) All distribution system samples collected had detectable total chlorine residuals and no HPC was required. Values are based on monthly median per State guidelines and recommendations
- (g) Data are from samples collected in 2015. Metropolitan's required triennial monitoring (2017-2019) will be performed in 2018.
- (h) Data are from samples collected in 2011 and reported once every nine-years compliance cycle until the next samples are collected.
- (i) Metropolitan's chromium VI reporting level is 0.03 ppb, which is below the state DLR of 1 ppb. Data above Metropolitan's reporting level but below the DLR are reported as ND in this report. These data are available upon request.
- (j) As a wholesaler, Metropolitan has no retail customers and is not required to collect samples at the consumers' tap under the Lead and Copper Rule. Results are based from annual compliance monitoring.
- (k) Metropolitan was in compliance with all provisions of the State's Fluoridation System Requirements
- (l) Metropolitan's perchlorate reporting level is 0.1 ppb, which is below the state DLR of 4 ppb. Data above Met's reporting level but below the DLR are reported as ND in this report. These data are available upon request.
- (m) Data are from samples collected (triennially) during four consecutive quarters of monitoring in 2014 and reported for three years until the next samples are collected.
- (n) SWRCB considers 50 pCi/L to be the level of concern for beta particles.
- (o) These data represent the treatment plant specific core locations per the State approved monitoring plan.
- (p) These data represent the Locational Running Annual Average of all data collected at distribution system-wide monitoring locations.
- (q) No MCL exceedance occurred. Compliance with State and Federal Bromate MCL is based on RAA.
- (r) AI is greater than or equal to 12.0 = Non-aggressive water  
AI (10.0-11.9) = Moderately aggressive water  
AI less than or equal to 10.0 = Highly aggressive water  
Reference: ANSI/AWWA Standard C400-93 (R98)
- (s) Positive SI index = non-corrosive; tendency to precipitate and/or deposit scale on pipes.  
Negative SI index = corrosive; tendency to dissolve calcium carbonate