YUIMA MWD - Wholesalers 2016 Water Quality Information

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Testing date: 2016 Range Average	Combined Sources Yuima IDA	Imported Colorado State Project	Major Sources in Drinking Water
PRIMARY STANDARDS--Mandatory Health-Related Standards								
CLARITY								
Combined Filter	NTU	TT-1			Highest	NA	.07	
Effluent Turbidity	%	TT(a)	NA	NA	%<0.3	NA	100	Soil runoff
MICROBIOLOGICAL								
Total Coliform					Range	ND	ND-0.3	
Bacteria (b)	%	5.0	MCLG=0	NA	Average	ND	ND	Naturally present in the environment
E. coli	(c)	(c)	MCLG=0	NA		ND	ND	Human and animal fecal waste
Total Coliform Bacteria					Range	ND	ND-0.3	
Federal Revised total Coliform Rule	%	TT (d)	NA	NA	Average	ND	0.1	Naturally present in the environment
E. Coli								
Federal Revised Total Coliform Rule	(e)	(e)	MCLG=0	NA		ND	ND	Human and animal fecal waste
Heterotrophic Plate Count					Range	TT	TT	
(HPC) (f)	CFU/mL	TT	NA	NA	Average	TT	TT	Naturally present in the environment
	Oocysts/				Range	NA	ND	
Cryptosporidium	200 L	TT	MCLG=0	NA	Average	NA	ND	Human and animal fecal waste
	Cysts/				Range	NA	ND	
Giardia	200 L	TT	MCLG=0	NA	Average	NA	ND	Human and animal fecal waste
ORGANIC CHEMICALS								
Pesticides/PCBs (g)								
					Range	ND	ND	
Alachlor	ppb	2	4	1	Average	ND	ND	Runoff from herbicide used on row crops
					Range	ND	ND	Runoff from herbicide used on row crops
Atrazine	ppb	1	0.15	0.5	Average	ND	ND	and along highways
					Range	ND	ND	Runoff/leaching from herbicide used on rice,
Bentazon	ppb	18	200	2	Average	ND	ND	alfalfa, and grapes
					Range	ND	ND	Leaching of soil fumigant used on rice, alfalfa,
Carbofuran	ppb	18	1.7	5	Average	ND	ND	and grapes
					Range	ND	ND	
Chlordane	ppt	100	30	100	Average	ND	ND	Residue of banned insecticide
					Range	ND	ND	Runoff from herbicide used on row crops,
2,4-D	ppb	70	20	10	Average	ND	ND	range land, lawns
					Range	ND	ND	Runoff from herbicide used on rights-of-way,
Dalapon	ppb	200	790	10	Average	ND	ND	crops, and landscapes
Dibromochloropropane					Range	ND	ND	Banned nematocide that may still be present
(DBCP)	ppt	200	1.7	10	Average	ND	ND	in soils
					Range	ND	ND	Runoff from herbicide used on soybeans,
Dinoseb	ppb	7	14	2	Average	ND	ND	vegetables, and fruits
					Range	ND	ND	Runoff from herbicide used for terrestrial
Diquat	ppb	20	15	4	Average	ND	ND	and aquatic weeds
					Range	ND	ND	Runoff from herbicide used for terrestrial
Endothall	ppb	100	94	45	Average	ND	ND	and aquatic weeds
					Range	ND	ND	
Endrin	ppb	2	1.8	0.1	Average	ND	ND	Residue of banned insecticide and rodenticide
Ethylene Dibromide					Range	ND	ND	Petroleum refinery discharges; underground
(EDB)	ppt	50	10	20	Average	ND	ND	gas tank leaks
					Range	ND	ND	
Glyphosate	ppb	700	900	25	Average	ND	ND	Runoff from herbicide use
					Range	ND	ND	
Heptachlor	ppt	10	8	10	Average	ND	ND	Residue of banned insecticide
					Range	ND	ND	
Heptachlor Epoxide	ppt	10	6	10	Average	ND	ND	Breakdown product of heptachlor
					Range	ND	ND	Runoff/leaching from insecticide used on cattle,
Lindane	ppt	200	32	200	Average	ND	ND	lumber, and gardens
					Range	ND	ND	
Methoxychlor	ppb	30	0.09	10	Average	ND	ND	Runoff/leaching from insecticide uses
					Range	ND	ND	
Molinate (Ordram)	ppb	20	1	2	Average	ND	ND	Runoff/leaching from herbicide used on rice
					Range	ND	ND	
Oxamyl (Vydate)	ppb	50	26	20	Average	ND	ND	Runoff/leaching from insecticide uses
					Range	ND	ND	Discharge from wood preserving factories
Pentachlorophenol	ppb	1	0.3	0.2	Average	ND	ND	other insecticidal and herbicidal uses
					Range	ND	ND	
Picloram	ppb	500	500	1	Average	ND	ND	Herbicide runoff
Polychlorinated					Range	ND	ND	
Biphenyls (PCBs)	ppt	500	90	500	Average	ND	ND	Runoff from landfills; discharge of waste chemicals

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					Range	ND	ND	
Simazine	ppb	4	4	1	Average	ND	ND	Herbicide runoff
					Range	ND	ND	
Thiobencarb (e)	ppb	70	70	1	Average	ND	ND	Runoff leaching from rice herbicide
2,4,5-TP					Range	ND	ND	
(Silvex)	ppb	50	3	1	Average	ND	ND	Residue of banned herbicide
					Range	ND	ND	Runoff/leaching from insecticide used on
Toxaphene	ppb	3	0.03	1	Average	ND	ND	cotton and cattle
Semi-Volatile Organic Compounds (g)								
					Range	NU	TT	
Acrylamide	NA	TT	MCLG=0	NA	Average	NU	TT	Water treatment chemical impurities
					Range	ND	ND	Leaching from water storage tank linings
Benzo(a)pyrene	ppt	200	7	100	Average	ND	ND	and distribution lines
					Range	ND	ND	
Di(2-ethylhexyl)adipate	ppb	400	200	5	Average	ND	ND	Discharge from chemical factories
					Range	ND	ND	Chemical factory discharge; inert ingredient
Di(2-ethylhexyl)phthalate	ppb	4	12	3	Average	ND	ND	in pesticides
					Range	NU	TT	
Epichlorohydrin	NA	TT	MCLG=0	NA	Average	NU	TT	Water treatment chemical impurities
					Range	ND	ND	Discharge from metal refineries & agrichemicals
Hexachlorobenzene	ppb	1	0.03	0.5	Average	ND	ND	factories; wastewater chlorination reaction by-product
					Range	ND	ND	
Hexachlorocyclopentadiene	ppb	50	2	1	Average	ND	ND	Discharge from chemical factories
2,3,7,8-TCDD					Range	ND	ND	Waste incineration emissions; chemical factory
(Dioxin)	ppq	30	0.05	5	Average	ND	ND	discharge
Volatile Organic Compounds								
					Range	ND	ND	Plastics factory discharge; gas tanks
Benzene	ppb	1	0.15	0.5	Average	ND	ND	and landfill leaching
					Range	ND	ND	Discharge from chemical plants and other industrial
Carbon Tetrachloride	ppt	500	100	500	Average	ND	ND	waste
					Range	ND	ND	
1,2-Dichlorobenzene	ppb	600	600	0.5	Average	ND	ND	Discharge from industrial chemical factories
					Range	ND	ND	
1,4-Dichlorobenzene	ppb	5	6	0.5	Average	ND	ND	Discharge from industrial chemical factories
					Range	ND	ND	
1,1-Dichloroethane	ppb	5	3	0.5	Average	ND	ND	Extraction and degreasing solvent; fumigant
					Range	ND	ND	
1,2-Dichloroethane	ppt	500	400	500	Average	ND	ND	Discharge from industrial chemical factories
					Range	ND	ND	
1,1-Dichloroethylene	ppb	6	10	0.5	Average	ND	ND	Discharge from industrial chemical factories
					Range	ND	ND	Industrial chemical factory discharge;
cis -1,2-Dichloroethylene	ppb	6	100	0.5	Average	ND	ND	by-product of TCE and PCE biodegradation
					Range	ND	ND	Industrial chemical factory discharge;
trans -1,2-Dichloroethylene	ppb	10	60	0.5	Average	ND	ND	by-product of TCE and PCE biodegradation
Dichloromethane					Range	ND	ND	Discharge from pharmaceutical
(Methylene Chloride)	ppb	5	4	0.5	Average	ND	ND	and chemical factories
					Range	ND	ND	Industrial chemical factory discharge;
1,2-Dichloropropane	ppb	5	0.5	0.5	Average	ND	ND	primary component of some fumigants
					Range	ND	ND	Runoff/leaching from nematocide used on
1,3-Dichloropropene	ppt	500	200	500	Average	ND	ND	croplands
					Range	ND	ND	Petroleum refinery discharge; industrial
Ethylbenzene	ppb	300	300	0.5	Average	ND	ND	chemical factories
Methyl-*tert* -butyl ether					Range	ND	ND	
(MTBE) (e,f)	ppb	13	13	3	Average	ND	ND	Gasoline discharge from watercraft engines
					Range	ND	ND	Discharge from industrial, agricultural, and chemical
Monochlorobenzene	ppb	70	70	0.5	Average	ND	ND	factories, and dry cleaners
					Range	ND	ND	Rubber and plastics factories discharge;
Styrene	ppb	100	0.5	0.5	Average	ND	ND	landfill leaching
					Range	ND	ND	Discharge from industrial, agricultural, and chemical
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	Average	ND	ND	factories; solvent uses
Tetrachloroethylene					Range	ND	ND	Discharge from factories, dry cleaners,
(PCE)	ppb	5	0.06	0.5	Average	ND	ND	and auto shops
					Range	ND	ND	
Toluene	ppb	150	150	0.5	Average	ND	ND	Discharge from petroleum and chemical refineries
					Range	ND	ND	
1,2,4-Trichlorobenzene	ppb	5	5	0.5	Average	ND	ND	Discharge from textile-finishing factories
					Range	ND	ND	Metal degreasing site discharge; manufacture
1,1,1-Trichloroethane	ppb	200	1,000	0.5	Average	ND	ND	of food wrappings
					Range	ND	ND	
1,1,2-Trichloroethane	ppb	5	0.3	0.5	Average	ND	ND	Discharge from industrial chemical factories

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Trichloroethylene					Range	ND	ND	Discharge from metal degreasing sites and
(TCE)	ppb	5	1.7	0.5	Average	ND	ND	other factories
Trichlorofluoromethane					Range	ND-69	ND	Industrial factory discharge; degreasing solvent;
(Freon-11)	ppb	150	1300	5	Average	23	ND	propellant
1,1,2-Trichloro-1,2,2-					Range	ND	ND	Discharge from metal degreasing sites and other
trifluoroethane (Freon-113)	ppm	1.2	4	0.01	Average	ND	ND	factories; dry cleaning solvent; refrigerant
					Range	ND	ND	Leaching from PVC piping; plastic factory
Vinyl Chloride	ppt	500	50	500	Average	ND	ND	discharge; by-product of TCE and PCE biodegradation
					Range	ND	ND	Discharge from petroleum and chemical refineries;
Xylenes	ppm	1.750	1.8	0.0005	Average	ND	ND	fuel solvent
INORGANIC CHEMICALS								
					Range	ND-0.045	ND-240	Residue from water treatment process;
Aluminum	ppb	1,000	600	50	Average	ND	120	natural deposits erosion
					Range	ND	ND	Petroleum refinery discharges; fire retardants;
Antimony	ppb	6	20	6	Average	ND	ND	solder; electronics
					Range	ND	ND-3.1	Natural deposits erosion, glass and electronics
Arsenic	ppb	10	0.004	2	Average	ND	1.12	production wastes
					Range	ND	ND	Asbestos cement pipes internal corrosion;
Asbestos (h)	MFL	7	7	0.2	Average	ND	ND	natural deposits erosion
					Range	ND-140	ND-144	Oil and metal refineries discharge;
Barium	ppb	1,000	2,000	100	Average	54.8	82.2	natural deposits erosion
					Range	ND	ND	Discharge from metal refineries, aerospace,
Beryllium	ppb	4	1	1	Average	ND	ND	and defense industries
					Range	ND	ND	Internal corrosion of galvanized pipes;
Cadmium	ppb	5	0.04	1	Average	ND	ND	natural deposits erosion
					Range	ND	ND	Discharge from steel and pulp mills;
Chromium	ppb	50	MCLG=0	10	Average	ND	ND	natural deposits erosion
					Range	ND-1.9	ND	Industrial waste discharge; could be
Chromium VI (i)	ppb	10	0.02	1	Average	0.32	ND	naturally present as well
					Site Sampled	5	ND	Internal corrosion of household pipes;
Copper (j)	ppm	AL = 1.3	0.3	0.05	90th %	0.27	ND	natural deposits erosion
					Range	ND	ND	Discharge from steel/metal, plastic, and
Cyanide	ppb	150	150	100	Average	ND	ND	fertilizer factories
Fluoride (k)					Range	0.16-0.31	0.6-0.9	Water additive for dental health
Treatment-related	ppm	2.0	1	0.1	Average	0.21	0.7	
					Site Sampled	5	ND	House pipes internal corrosion;
Lead (l)	ppb	AL = 15	0.2	5	90th %	3.5	ND	erosion of natural deposits
					Range	ND	ND	Erosion of natural deposits; factory discharge;
Mercury	ppb	2	1.2	1	Average	ND	ND	landfill runoff
					Range	ND-0.0024	ND	Erosion of natural deposits; discharge from
Nickel	ppb	100	12	10	Average	ND	ND	metal factories
					Range	ND-9.8	ND-1.1	Runoff and leaching from fertilizer use; septic tank
Nitrate (as N)	ppm	10	10	0.4	Average	2.06	0.8	and sewage; natural deposits erosion
					Range	ND	ND	Runoff and leaching from fertilizer use; septic tank
Nitrite (as N)	ppm	1	1	0.4	Average	ND	ND	and sewage; natural deposits erosion
					Range	ND-4.6	ND	Yuima values are treated
Perchlorate (l)	ppb	6	1	4	Average	0.24	ND	Industrial waste discharge
					Range	ND-7.2	ND	Refineries, mines, and chemical
Selenium	ppb	50	30	5	Average	1.78	ND	waste discharge; runoff from livestock lots
					Range	ND	ND	Leaching from ore processing; electronics
Thallium	ppb	2	0.1	1	Average	ND	ND	factory discharge
RADIOLOGICALS (m)								
Gross Alpha					Range	1.16-6.04	ND-5	
Particle Activity	pCi/L	15	MCLG=0	3	Average	3.14	0.6	Erosion of natural deposits
Gross Beta					Range	NA	ND-6	
Particle Activity	pCi/L	50 (n)	MCLG=0	4	Average	1.64	3	Decay of natural and man-made deposits
					Range	NA	ND	
Radium-226	pCi/L	NA	0.05	1	Average	0.025	ND	Erosion of natural deposits
					Range	ND	ND	
Radium-228	pCi/L	NA	0.019	1	Average	ND	ND	Erosion of natural deposits
Combined					Range	NA	ND	
Radium-226 + 228	pCi/L	5	MCLG=0	NA	Average	NA	ND	Erosion of natural deposits
					Range	NA	ND	
Strontium-90	pCi/L	8	0.35	2	Average	NA	ND	Decay of natural and man-made deposits
					Range	NA	ND	
Tritium	pCi/L	20,000	400	1,000	Average	NA	ND	Decay of natural and man-made deposits
					Range	NA	ND-4	
Uranium	pCi/L	20	0.43	1	Average	5.1	2.4	Erosion of natural deposits

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DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BY-PRODUCTS PRECURSORS								
Total Trihalomethanes					Range	14-18	16-62	
(TTHM) (o)	ppb	80	NA	1	Average	16	42	By-product of drinking water chlorination
Haloacetic Acids (five)					Range	6-9.7	ND-31	
(HAA5) (p)	ppb	60	NA	1	Average	7.85	14	By-product of drinking water chlorination
					Range	ND-2.2	0.9-3.1	
Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG=4.0	NA	Average	1.39	2.4	Drinking water disinfectant added for treatment
					Range	NA	ND-13	
Bromate (q)	ppb	10	0.1	1	Average	NA	3.5	By-product of drinking water ozonation
DBP Precursors Control					Range	NA	TT	
(TOC)	ppm	TT	NA	0.30	Average	NA	TT	Various natural and man-made sources
SECONDARY STANDARDS--Aesthetic Standards								
					Range	ND-98	ND-240	Residue from water treatment process;
Aluminum	ppb	200	600	50	Highest RAA	70	120	natural deposits erosion
					Range	NA	78-104	Runoff/leaching from natural deposits;
Chloride	ppm	500	NA	NA	Average	82.31	97.2	seawater influence
					Range	ND-20	1-2	
Color	Units	15	NA	NA	Average	2	1.6	Naturally-occurring organic materials
					Site Sampled	5	ND	Internal corrosion of household pipes; natural
Copper (j)	ppm	1.0	0.3	0.05	90th %	0.265	ND	deposits erosion; wood preservatives leaching
Foaming Agents					Range	ND	ND	
(MBAS)	ppb	500	NA	NA	Average	ND	ND	Municipal and industrial waste discharges
					Range	ND-6.1	ND	Yuima values are treated
Iron	ppb	300	NA	100	Average	0.3	ND	Leaching from natural deposits; industrial wastes
					Range	ND-0.09	ND	Yuima values are treated
Manganese	ppb	50	NL = 500	20	Average	0.06	ND	Leaching from natural deposits
					Range	ND	ND	
MTBE	ppb	5	13	3	Average	ND	ND	Gasoline discharge from watercraft engines
					Range	ND-17	2-3	
Odor Threshold	TON	3	NA	1	Average	1.13	2.6	Naturally-occurring organic materials
					Range	ND	ND	
Silver	ppb	100	NA	10	Average	ND	ND	Industrial discharges
					Range	380-1300	475-1050	Substances that form ions in water;
Specific Conductance	µS/cm	1,600	NA	NA	Average	865	856.4	seawater influence
					Range	89-200	29-262	Runoff/leaching from natural deposits;
Sulfate	ppm	500	NA	0.5	Average	147.07	179.4	industrial wastes
					Range	ND	ND	
Thiobencarb	ppb	1	70	1	Average	ND	ND	Runoff/leaching from rice herbicide
Total Dissolved Solids					Range	260-880	261-659	Runoff/leaching from natural deposits;
(TDS)	ppm	1,000	NA	NA	Average	599.29	525.4	seawater influence
					Range	ND-16	ND	
Turbidity (a)	NTU	5	NA	.1	Average	1.59	ND	Soil runoff
					Range	ND-0.032	ND	Runoff/leaching from natural deposits;
Zinc	ppm	5.0	NA	0.05	Average	0.01	ND	industrial wastes
OTHER PARAMETERS								
MICROBIOLOGICAL								
					Range	ND-740	ND - 1	
HPC (f)	CFU/mL	NA	NA	NA	Average	155.25	ND	Naturally present in the environment
CHEMICAL								
					Range	NA	64-125	
Alkalinity (as CaCO3)	ppm	NA	NA	NA	Average	160	105	
					Range	ND	140-270	Some pregnant women who drink water in excess
Boron	ppb	NL = 1,000	NA	100	Average	ND	190	containing boron - risk of developmental effects
					Range	NA	17-79	
Calcium	ppm	NA	NA	NA	Average	84.79	56	
					Range	NA	26-60	By-product of drinking water chlorination;
Chlorate	ppb	NL = 800	NA	20	Range	NA	26-60	industrial processes
Corrosivity (r)					Range	NA	12-12.5	Elemental balance in water; affected
(as Aggressiveness Index)	AI	NA	NA	NA	Average	12.21	12.3	by temperature, other factors
Corrosivity (s)					Range	NA	0.22-0.66	Elemental balance in water; affected
(as Saturation Index)	SI	NA	NA	NA	Average	NA	0.48	by temperature, other factors
					Range	NA	87-306	
Hardness (as CaCO3)	ppm	NA	NA	NA	Average	291.71	221.8	Municipal and industrial waste discharges
					Range	1.2-58	10-27	
Magnesium	ppm	NA	NA	NA	Average	26.55	20	
	pH				Range	7.14-8.32	8.1-8.6	
pH	Units	NA	NA	NA	Average	7.8	8.2	
					Range	5.5-8.32	2.7-5.1	
Potassium	ppm	NA	NA	NA	Average	5.64	4.2	
					Range	NA	ND	
Radon (m)	pCi/L	NA	NA	100	Average	NA	ND	

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					Range	23-130	62-107	
Sodium	ppm	NA	NA	NA	Average	55.14	93.4	
					Range	NA	1.6-3.7	Various natural and man-made sources
TOC	ppm	TT	NA	0.30	Average	NA	2.44	TOC as a medium for the formation of disinfection byproducts
					Range	NA	ND-8.9	
Vanadium	ppb	NL = 50	NA	3	Average	NA	3.26	Naturally-occurring; industrial waste discharge
N-Nitrosodimethylamine					Range	NA	ND-5.1	By-product of drinking water chloramination;
(NDMA)	ppt	NL = 10	3	2	Range	NA	ND-5.1	industrial processes
Dichlorodifluoromethane					Range	ND	ND	
(Freon 12)	ppb	NL = 1,000	NA	0.5	Average	ND	ND	Industrial waste discharge
Ethyl-*tert* -butyl ether					Range	ND	ND	
(ETBE)	ppb	NA	NA	3	Average	ND	ND	Used as gasoline additive
tert -Amyl-methyl ether					Range	ND	ND	
(TAME)	ppb	NA	NA	3	Average	ND	ND	Used as gasoline additive
tert -Butyl alcohol					Range	NA	ND	MTBE breakdown product; used as gasoline
(TBA)	ppb	NL = 12	NA	2	Average	2	ND	additive

ABBREVIATIONS AND FOOTNOTES

Abbreviations

AI	Aggressiveness Index	NL	Notification Level
AL	Action Level	NTU	Nephelometric Turbidity Units
$CaCO_3$	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
MFL	Million Fibers per Liter		as average of all the samples collected within a twelve-month period
MRDL	Maximum Residual Disinfectant Level	SI	Saturation Index (Langelier)
MRDLG	Maximum Residual Disinfectant Level Goal	TOC	Total Organic Carbon
NU	Not Used	TON	Threshold Odor Number
NA	Not Applicable	TT	Treatment Techniques a required process intended to reduce the level of a contaminant in drinking water
ND	Not Detected	µS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)
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 coliformTT 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 vilations 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 detactable 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 Flouridation 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 (triennnially) during four consecutive quarters of monitoring in 2014 and rep9orted 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