YUIMA MWD - Wholesalers 2014 Water Quality Information

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Combined Sources Yuima IDA	Imported Colorado State Project	Major Sources in Drinking Water
PRIMARY STANDARDS--Mandatory Health-Related Standards								
CLARITY								
Combined Filter Effluent Turbidity	NTU %	TT-1 TT(a)	NA	NA	Highest %<0.3	NA NA	0.03-0.09 100	Naturally present in the environment
MICROBIOLOGICAL								
Total Coliform Bacteria (b)	%	5.0	(0)	NA	Range Average	ND ND	ND-0.3 0.1	Naturally present in the environment
E. coli	(c)	(c)	(0)	NA		ND ND	ND ND	Human and animal fecal waste
Heterotrophic Plate Count (HPC) (d)	CFU/mL	TT	NA	NA	Range Average	TT TT	TT TT	Naturally present in the environment
Cryptosporidium	Oocysts/ 200 L	TT	(0)	NA	Range Average	NA NA	ND ND	Human and animal fecal waste
Giardia	Cysts/ 200 L	TT	(0)	NA	Range Average	NA NA	ND ND	Human and animal fecal waste
ORGANIC CHEMICALS								
Pesticides/PCBs								
Alachlor	ppb	2	4	1	Range Average	ND ND	ND ND	Runoff from herbicide used on row crops
Atrazine	ppb	1	0.15	0.5	Range Average	ND ND	ND ND	Runoff from herbicide used on row crops and along highways
Bentazon	ppb	18	200	2	Range Average	ND ND	ND ND	Runoff/leaching from herbicide used on rice, alfalfa, and grapes
Carbofuran	ppb	18	1.7	5	Range Average	ND ND	ND ND	Leaching of soil fumigant used on rice, alfalfa, and grapes
Chlordane	ppt	100	30	100	Range Average	ND ND	ND ND	Residue of banned insecticide
2,4-D	ppb	70	20	10	Range Average	ND ND	ND ND	Runoff from herbicide used on row crops, range land, lawns
Dalapon	ppb	200	790	10	Range Average	ND ND	ND ND	Runoff from herbicide used on rights-of-way, crops, and landscapes
Dibromochloropropane (DBCP)	ppt	200	1.7	10	Range Average	NC NC	ND ND	Banned nematocide that may still be present in soils
Dinoseb	ppb	7	14	2	Range Average	ND ND	ND ND	Runoff from herbicide used on soybeans, vegetables, and fruits
Diquat	ppb	20	15	4	Range Average	ND ND	ND ND	Runoff from herbicide used for terrestrial and aquatic weeds
Endothall	ppb	100	580	45	Range Average	ND ND	ND ND	Runoff from herbicide used for terrestrial and aquatic weeds
Endrin	ppb	2	1.8	0.1	Range Average	ND ND	ND ND	Residue of banned insecticide and rodenticide
Ethylene Dibromide (EDB)	ppt	50	10	20	Range Average	NC NC	ND ND	Petroleum refinery discharges; underground gas tank leaks
Glyphosate	ppb	700	900	25	Range Average	ND ND	ND ND	Runoff from herbicide use
Heptachlor	ppt	10	8	10	Range Average	ND ND	ND ND	Residue of banned insecticide
Heptachlor Epoxide	ppt	10	6	10	Range Average	ND ND	ND ND	Breakdown product of heptachlor
Lindane	ppt	200	32	200	Range Average	ND ND	ND ND	Runoff/leaching from insecticide used on cattle, lumber, and gardens
Methoxychlor	ppb	30	0.09	10	Range Average	ND ND	ND ND	Runoff/leaching from insecticide uses
Molinate (Ordram)	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

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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	25	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								
					Range	ND	TT	
Acrylamide	NA	TT	(0)	NA	Average	ND	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	(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	50	1	Average	ND	ND	Discharge from chemical factories
2,3,7,8-TCDD					Range	NC	ND	Waste incineration emissions; chemical factory
(Dioxin)	ppq	30	0.05	5	Average	NC	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	200	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	8.5	ND	
Toluene	ppb	150	150	0.5	Average	8.5	ND	Discharge from petroleum and chemical refineries

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					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
Trichloroethylene					Range	ND	ND	Discharge from metal degreasing sites and
(TCE)	ppb	5	1.7	0.5	Average	ND	ND	other factories
Trichlorofluoromethane					Range	3.7-54	ND	Industrial factory discharge; degreasing solvent;
(Freon-11)	ppb	150	700	5	Average	19.5	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-1200	ND-310	Residue from water treatment process;
Aluminum (e)	ppb	1,000	600	50	Average	100.6	100.2	natural deposits erosion
					Range	ND	ND	Petroleum refinery discharges; fire retardants;
Antimony	ppb	6	20	6	Average	ND	ND	solder; electronics
					Range	ND	ND	Natural deposits erosion, glass and electronics
Arsenic	ppb	10	0.004	2	Average	ND	ND	production wastes
					Range	0.2	ND	Asbestos cement pipes internal corrosion;
Asbestos (g)	MFL	7	7	0.2	Average	0.2	ND	natural deposits erosion
					Range	0.02-69	ND	Oil and metal refineries discharge;
Barium	ppb	1,000	2,000	100	Average	31.4	ND	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-2.5	ND	Discharge from steel and pulp mills;
Chromium	ppb	50	(100)	10	Average	0.28	ND	natural deposits erosion
					Range	ND-25	ND	Internal corrosion of household pipes;
Copper (e,h)	ppm	AL = 1.3	0.3	0.05	Average	4.68	ND	natural deposits erosion
					Range	ND	ND	Discharge from steel/metal, plastic, and
Cyanide	ppb	150	150	100	Average	ND	ND	fertilizer factories
Fluoride (i)					Range	0.1-0.5	0.7-0.9	Water additive for dental health
Treatment-related	ppm	2.0	1	0.1	Average	0.2	0.8	
					Range	ND-3.3	ND	House pipes internal corrosion;
Lead (h)	ppb	AL = 15	0.2	5	Average	0.6	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	ND	Erosion of natural deposits; discharge from
Nickel	ppb	100	12	10	Average	ND	ND	metal factories
					Range	NA	ND	Runoff and leaching from fertilizer use; septic tank
Nitrate (as N) (j)	ppm	10	10	0.4	Average	NA	ND	and sewage; natural deposits erosion
					Range	ND-**51**	NA	Runoff and leaching from fertilizer use; septic tank
Nitrate (as NO3)	ppm	45	45	20	Average	12.3	NA	and sewage; natural deposits erosion. Yuima values are treated.
					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-**7.9**	ND	Yuima values are treated
Perchlorate (k)	ppb	6	6	4	Average	1.5	ND	Industrial waste discharge
					Range	ND-11	ND	Refineries, mines, and chemical
Selenium	ppb	50	30	5	Average	2.2	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

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RADIOLOGICALS								
Gross Alpha					Range	1.2-8.1	ND-5	
Particle Activity	pCi/L	15	(0)	3	Average	4.4	0.6	Erosion of natural deposits
Gross Beta					Range	4.3	ND-6	
Particle Activity (l)	pCi/L	50	(0)	4	Average	4.3	3	Decay of natural and man-made deposits
					Range	0.1	ND	
Radium-226	pCi/L	NA	0.05	1	Average	0.1	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	NC	ND	
Radium-226 + 228	pCi/L	5	(0)	NA	Average	NC	ND	Erosion of natural deposits
					Range	NC	ND	
Strontium-90	pCi/L	8	0.35	2	Average	NC	ND	Decay of natural and man-made deposits
					Range	NC	ND	
Tritium	pCi/L	20,000	400	1,000	Average	NC	ND	Decay of natural and man-made deposits
					Range	ND-19	ND-4.4	
Uranium	pCi/L	20	0.43	1	Average	5.1	2.4	Erosion of natural deposits
DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BY-PRODUCTS PRECURSORS								
Total Trihalomethanes					Range	ND	12-48	
(TTHM) (m)	ppb	80	NA	1	Average	ND	47	By-product of drinking water chlorination
Haloacetic Acids (five)					Range	9-11	2-23	
(HAA5) (n)	ppb	60	NA	1	Average	10	17	By-product of drinking water chlorination
					Range	0.3-2.3	1.3-2.9	
Total Chlorine Residual	ppm	[4.0]	[4.0]	NA	Average	1.4	2.3	Drinking water disinfectant added for treatment
					Range	NC	ND-23	
Bromate	ppb	10	0.1	5.0	Average	NC	5.4	By-product of drinking water ozonation
DBP Precursors Control					Range	NC	TT	
(TOC)	ppm	TT	NA	0.30	Average	NC	TT	Various natural and man-made sources
SECONDARY STANDARDS--Aesthetic Standards								
					Range	ND-1200	ND-310	Residue from water treatment process;
Aluminum (e)	ppb	200	600	50	Average	100.58	100.2	natural deposits erosion
					Range	6.6-83	85-97	Runoff/leaching from natural deposits;
Chloride	ppm	500	NA	NA	Average	45.3	90.6	seawater influence
					Range	ND-50	1	
Color	Units	15	NA	NA	Average	6.3	1	Naturally-occurring organic materials
					Range	ND-25	ND	Internal corrosion of household pipes; natural
Copper (e,h)	ppm	1.0	0.3	0.05	Average	4.7	ND	deposits erosion; wood preservatives leaching
Foaming Agents					Range	NC	ND	
(MBAS)	ppb	500	NA	NA	Average	NC	ND	Municipal and industrial waste discharges
					Range	ND-3.3	ND	Yuima values are treated
Iron	ppb	300	NA	100	Average	0.24	ND	Leaching from natural deposits; industrial wastes
					Range	ND-1.2	ND	Yuima values are treated
Manganese	ppb	50	NL = 500	20	Average	0.1	ND	Leaching from natural deposits
					Range	ND	ND	
MTBE (e,f)	ppb	5	13	3	Average	ND	ND	Gasoline discharge from watercraft engines
					Range	ND-8	1-3	
Odor Threshold	TON	3	NA	1	Average	1	3	Naturally-occurring organic materials
					Range	ND	ND	
Silver	ppb	100	NA	10	Average	ND	ND	Industrial discharges
					Range	390-1000	588-1010	Substances that form ions in water;
Specific Conductance	µS/cm	1,600	NA	NA	Average	615	826	seawater influence
					Range	45-220	62-241	Runoff/leaching from natural deposits;
Sulfate	ppm	500	NA	0.5	Average	126.2	159.4	industrial wastes
					Range	ND	ND	
Thiobencarb (e)	ppb	1	70	1	Average	ND	ND	Runoff/leaching from rice herbicide
Total Dissolved Solids					Range	240-700	333-651	Runoff/leaching from natural deposits;
(TDS)	ppm	1,000	NA	NA	Average	443.8	501.2	seawater influence
					Range	0.16-**40**	ND	
Turbidity (a)	NTU	5	NA	NA	Average	6.10	ND	Soil runoff
					Range	ND	ND	Runoff/leaching from natural deposits;
Zinc	ppm	5.0	NA	0.05	Average	ND	ND	industrial wastes

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FEDERAL UNREGULATED CONTAMINANTS MONITORING RULE (UCMR2)								
List 1 - Assessment Monitoring								
					Range	NA	ND	Runoff from insecticide used on crops
Dimethoate	ppb	NA	NA	0.7	Average	NA	ND	and residential uses
					Range	NA	ND	Runoff/leaching from breakdown product of terbufos
Terbufos sulfone	ppb	NA	NA	0.4	Average	NA	ND	used as soil fumigant and nematocide
					Range	NA	ND	Discharge from industrial chemical factories;
2,2',4,4'-tetrabromodiphenyl ether	ppb	NA	NA	0.3	Average	NA	ND	use of flame retardant additives
					Range	NA	ND	Discharge from industrial chemical factories;
2,2',4,4',5-pentabromodiphenyl ether	ppb	NA	NA	0.9	Average	NA	ND	use of flame retardant additives
					Range	NA	ND	Discharge from industrial chemical factories;
2,2',4,4',5,5'-hexabromodiphenyl ether	ppb	NA	NA	0.8	Average	NA	ND	use of flame retardant additives
					Range	NA	ND	Discharge from industrial chemical factories;
2,2',4,4,6'-pentabromodiphenyl ether	ppb	NA	NA	0.5	Average	NA	ND	use of flame retardant additives
					Range	NA	ND	Discharge from industrial chemical factories;
2,2',4,4',5,5'-hexabromobiphenyl	ppb	NA	NA	0.7	Average	NA	ND	use of flame retardant additives
2,4,6-trinitrotoluene					Range	NA	ND	Runoff/residue from explosives, dyes, and chemical
(TNT)	ppb	NA	NA	0.8	Average	NA	ND	manufacturing and applications
					Range	NA	ND	Runoff/residue from explosives, dyes, and chemical
1,3-dinitrobenzene	ppb	NA	NA	0.8	Average	NA	ND	manufacturing and applications; TNT by-product
Hexahydro-1,3,5-trinitro-1,3,5-triazine					Range	NA	ND	Runoff/residue from explosives industrial applications;
(RDX)	ppb	NA	NA	1	Average	NA	ND	also used as a rodenticide
List 2 - Screening Survey								
					Range	NA	ND	
Acetochlor	ppb	NA	NA	2	Average	NA	ND	Herbicide runoff
					Range	NA	ND	
Alachlor	ppb	NA	NA	2	Average	NA	ND	Herbicide runoff
					Range	NA	ND	
Metolachlor	ppb	NA	NA	1	Average	NA	ND	Herbicide runoff
Acetochlor					Range	NA	ND	
ethane sulfonic acid	ppb	NA	NA	1	Average	NA	ND	Breakdown product of acetochlor
Acetochlor					Range	NA	ND	
oxanilic acid	ppb	NA	NA	2	Average	NA	ND	Breakdown product of acetochlor
Alachlor					Range	NA	ND	
ethane sulfonic acid	ppb	NA	NA	1	Average	NA	ND	Breakdown product of alachlor
Alachlor					Range	NA	ND	
oxanilic acid	ppb	NA	NA	2	Average	NA	ND	Breakdown product of alachlor
Metolachlor					Range	NA	ND	
ethane sulfonic acid	ppb	NA	NA	1	Average	NA	ND	Breakdown product of metolachlor
Metolachlor					Range	NA	ND	
oxanilic acid	ppb	NA	NA	2	Average	NA	ND	Breakdown product of metolachlor
N-Nitrosodiethylamine					Range	NA	ND	By-product of drinking water chloramination;
(NDEA)	ppb	NA	NA	0.005	Average	NA	ND	industrial processes
N-Nitrosodimethylamine					Range	NA	ND - 0.01	By-product of drinking water chloramination;
(NDMA)	ppb	NA	NA	0.002	Average	NA	ND	industrial processes
N-Nitroso-di-n-butylamine					Range	NA	ND	By-product of drinking water chloramination;
(NDBA)	ppb	NA	NA	0.004	Average	NA	ND	industrial processes
N-Nitroso-di-n-propylamine					Range	NA	ND	By-product of drinking water chloramination;
(NDPA)	ppb	NA	NA	0.007	Average	NA	ND	industrial processes
N-Nitrosomethylethylamine					Range	NA	ND	By-product of drinking water chloramination;
(NMEA)	ppb	NA	NA	0.003	Average	NA	ND	industrial processes
N-Nitrosopyrrolidine					Range	NA	ND	By-product of drinking water chloramination;
(NPYR)	ppb	NA	NA	0.002	Average	NA	ND	industrial processes

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OTHER PARAMETERS								
MICROBIOLOGICAL								
					Range	0-740	ND - 1	
HPC (d)	CFU/mL	TT	NA	NA	Average	102.5	ND	Naturally present in the environment
CHEMICAL								
					Range	74-160	84-128	
Alkalinity	ppm	NA	NA	NA	Average	116.9	110.8	
					Range	NC	100-170	Runoff/leaching from natural deposits;
Boron	ppb	NL = 1,000	NA	100	Average	NC	130	industrial wastes
					Range	6.8-100	26-74	
Calcium	ppm	NA	NA	NA	Average	58.6	54.4	
					Range	NC	33-107	By-product of drinking water chlorination;
Chlorate	ppb	NL = 800	NA	20	Range	NC	21-105	industrial processes
					Range	0-1.9	ND	Industrial waste discharge; could be
Chromium VI (o)	ppb	NA	0.02	1	Average	0.32	ND	naturally present as well
Corrosivity (p)					Range	11-12	11.9-12.5	Elemental balance in water; affected
(as Aggressiveness Index)	AI	NA	NA	NA	Average	11.8	12.3	by temperature, other factors
Corrosivity (q)					Range	NA	0.14-.69	Elemental balance in water; affected
(as Saturation Index)	SI	NA	NA	NA	Average	NA	0.44	by temperature, other factors
					Range	20-330	114-294	
Hardness	ppm	NA	NA	NA	Average	202.2	218.1	Municipal and industrial waste discharges
					Range	0.92-24	12-27	
Magnesium	ppm	NA	NA	NA	Average	14.8	20.2	
	pH				Range	7.2-7.9	8.1-8.3	
pH	Units	NA	NA	NA	Average	3.2	8.1	
					Range	1.4-7.3	2.6-4.8	
Potassium	ppm	NA	NA	NA	Average	4.9	3.9	
					Range	NC	ND	
Radon	pCi/L	NA	NA	100	Average	NC	ND	
					Range	19-77	69-99	
Sodium	ppm	NA	NA	NA	Average	44.4	84.2	
					Range	NC	1.3-3.6	
TOC	ppm	TT	NA	0.30	Average	NC	2.3	Various natural and man-made sources
					Range	NA	ND-4.8	
Vanadium	ppb	NL = 50	NA	3	Average	NA	1	Naturally-occurring; industrial waste discharge
N-Nitrosodimethylamine					Range	NC	ND-5.4	By-product of drinking water chloramination;
(NDMA)	ppt	NL = 10	3	2	Average	NC	ND-5.0	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	NC	ND	
(ETBE)	ppb	NA	NA	3	Average	NC	ND	Used as gasoline additive
tert-Amyl-methyl ether					Range	NC	ND	
(TAME)	ppb	NA	NA	3	Average	NC	ND	Used as gasoline additive
tert-Butyl alcohol					Range	NC	ND	MTBE breakdown product; used as gasoline
(TBA)	ppb	NL = 12	NA	2	Average	NC	ND	additive

YUIMA MWD - Wholesalers 2014 Water Quality Information

Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Combined Sources Yuima IDA	Imported Colorado State Project	Major Sources in Drinking Water

ABBREVIATIONS AND FOOTNOTES

Abbreviations

AI	Aggressiveness Index
AL	Action Level
CDPH	California Department of Public Health
CFU	Colony-Forming Units
DBP	Disinfection By-Products
DLR	Detection Limits for purposes of Reporting
MBAS	Methylene Blue Active Substances
MCL	Maximum Contaminant Level
MCLG	Maximum Contaminant Level Goal
MFL	Million Fibers per Liter
MRDL	Maximum Residual Disinfectant Level
MRDLG	Maximum Residual Disinfectant Level Goal
NU	Not Used
NA	Not Applicable
ND	Not Detected
NC	Not Collected
NL	Notification Level
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)
ppq	parts per quadrillion or picograms per liter (pg/L)
ppt	parts per trillion or nanograms per liter (ng/L)
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
SI	Saturation Index (Langelier)
TOC	Total Organic Carbon
TON	Threshold Odor Number
TT	Treatment Techniqueis a required process intended to reduce the level of a contaminant in drinking water
µS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)

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

(a) As a Primary Standard, the turbidity levels of the filtered waterwere 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. Turbididty, 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 2013, 7981 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) All distribution system samples collected had detectable total chlorine residuals and no HPC was required. HPC reporting level is 1 CFU/mL. Values are based on monthly median per State guidelines and recommendations.

(e) Aluminum, copper, MTBE, and thiobencarb have both primary and secondary standards.

(f) MTBE was not detected at Metropolitan's reporting level of 0.5 ppb which is below the state DLR of 3 ppb.

(g) Data are from samples collected in 2011 and reported once every nine-year complicance cycle until the next samples are collected.

(h) As a wholesaler, Metropolitan is not required to collect samples at the consumers' tap under the Lead and Copper Rule

(i) Metropolitan was in compliance with all provisions of the State's Fluoridation System Requirements

(j) State MCL is 45 mg/L as nitrate, which is the equivalent of 10 mg/L as N.

(k) Perchlorate was not detected at Metropolitan's reporting level of 2 ppb, which is below the state DLR of 4 ppb.

(l) CDPH considers 50 pCi/L to be the level of concern for beta particles; the gross beta particle activity MCL is 4 milliren/year annual dose equivalent to the total body or any internal organ.

(m) Compliance was based on the highest Locational Running Annual Average (LRAA) of all data collected at the tratment plant specific core monitoring locations.

(n) Compliance was based on the highest Locational Running Annual Average (LRAA) of all data collected at the tratment plant specific core monitoring locations.

(o) Metropolitan's Chromium VI reporting level is 0.03 ppb, which is lower than the State DLR of 1 ppb. Annual treatment plant effluent concentrations were 0.15 ppb for Weymouth, 0.12 ppb for Diemer, 0.12 ppb for Jensen 0.10 ppb for Skinner and 0.39 ppb for Mills

(p) AI<10.0= Highly agressive and very corrosive water
AI>12.0= Non-aggressive water
AI (10.0-11.9)= Moderately aggressive water

(q) Positive SI index = non-corrosive; tendency to precipitate and/or deposit scale on pipes. Negative SI index=corrosive; tendency to dissolve calcium carbonate