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 STANDARDSMar						11				
CLARITY										
Combined Filter	NTU	TT-1			Highest	NA	.07			
Effluent Turbidity MICROBIOLOGICAL	%	TT(a)	NA	NA	%<0.3	NA	100	Soil runoff		
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	(0)	(0)	WCLG=0	INA	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		
Cryptosporidium	Oocysts/ 200 L	TT	MCLG=0	NA	Range Average	NA NA	ND ND	Human and animal fecal waste		
oryptooportalant	Cysts/				Range	NA	ND			
Giardia	200 L	TT	MCLG=0	NA	Average	NA	ND	Human and animal fecal waste		
ORGANIC CHEMICALS Pesticides/PCBs (g)										
resucides/FCBs (g)	1				Range	ND	ND			
Alachlor	ppb	2	4	1	Average	ND	ND	Runoff from herbicide used on row crops		
			0.45	0.5	Range	ND	ND	Runoff from herbicide used on row crops		
Atrazine	ppb	1	0.15	0.5	Average Range	ND ND	ND ND	and along highways Runoff/leaching from herbicide used on rice,		
Bentazon	ppb	18	200	2	Average	ND	ND	alfalfa, and grapes		
Carbofuran	nah	40	4.7	5	Range	ND	ND	Leaching of soil fumigant used on rice, alfalfa,		
Carbofuran	ppb	18	1.7	5	Average Range	ND ND	ND ND	and grapes		
Chlordane	ppt	100	30	100	Average	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		
2,4-D	μμυ	70	20	10	Range	ND	ND	Runoff from herbicide used on rights-of-way,		
Dalapon	ppb	200	790	10	Average	ND	ND	crops, and landscapes		
Dibromochloropropane (DBCP)	ppt	200	1.7	10	Range Average	ND ND	ND ND	Banned nematocide that may still be present in soils		
					Range	ND	ND	Runoff from herbicide used on soybeans,		
Dinoseb	ppb	7	14	2	Average Range	ND ND	ND ND	vegetables, and fruits 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 Range	ND ND	ND ND	and aquatic weeds		
Endrin	ppb	2	1.8	0.1	Average	ND	ND	Residue of banned insecticide and rodenticide		
Ethylene Dibromide		50	10	20	Range	ND ND	ND ND	Petroleum refinery discharges; underground		
(EDB)	ppt	50	10	20	Average Range	ND	ND	gas tank leaks		
Glyphosate	ppb	700	900	25	Average	ND	ND	Runoff from herbicide use		
Heptachlor	ppt	10	8	10	Range Average	ND ND	ND ND	Residue of banned insecticide		
	ρρι	10	0	10	Range	ND	ND			
Heptachlor Epoxide	ppt	10	6	10	Average	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		
Lindarie	ρρι	200	52	200	Range	ND	ND			
Methoxychlor	ppb	30	0.09	10	Average	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		
					Range	ND	ND			
Oxamyl (Vydate)	ppb	50	26	20	Average	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		
					Range	ND	ND			
Picloram Polychlorinated	ppb	500	500	1	Average Range	ND ND	ND ND	Herbicide runoff		
Biphenyls (PCBs)	ppt	500	90	500	Average	ND	ND	Runoff from landfills; discharge of waste chemicals		

NameNormNo	YUIMA MWD -	wholes		010 Wa	lei uu		nation		
Parameter Parameter <t< th=""><th></th><th></th><th></th><th></th><th></th><th>Testing</th><th></th><th></th><th></th></t<>						Testing			
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matrix pp 4 4 1 Parate NC NC NC NC https://docs.nl/line pb 70 70 71 Accord NC <	Parameter	Units							
hyperbolic ppd Pd Particle NO Particle of Lensching from non-Induction Aka P pk A P No No No Nondirechning from non-Induction Sincel 0 3 0.0 1 Average NO						Range		ND	
Integrange (a) geb To To To Number of the second	Simazine	ppb	4	4	1				Herbicide runoff
4.5-1° rph rph So r Range NO Residue of preside minimizable methods in the minimizable methods and non-scale of preside minimizable methods and non-scale metho	Thiobencarb (e)	nnh	70	70	1				Runoff leaching from rice berbicide
Baked pb 50 3 1 Average ND ND Results of stamute intervicts Symbolic Open Conservation (J) Stanut / Values ND ND <	2,4,5-TP	ppb	10	10	-				
Oraceber Oraceber No. No. Conton and carlie Servi-Valiati Value Valu	(Silvex)	ppb	50	3	1	Average			Residue of banned herbicide
Sami-Valatile Organic Compounds (p) Vala Range NU T Kanze NU Price Statement Chemical Inputties sensolutioner pab 200 7 100 Average NU TU Male statement chemical Inputties StateManner pab 200 7 100 Average NU TU Average NU NU Tu and distribution Inse. Statement Tu and distribution Inse. Tu and distribution Inse. Tu and distribution Inse. </td <td>Toxaphene</td> <td>nnh</td> <td>3</td> <td>0.03</td> <td>1</td> <td></td> <td></td> <td></td> <td></td>	Toxaphene	nnh	3	0.03	1				
Annumber No. T No.16.0 No. Range No. T Water structures interactions interactions Annobiser for structures ppt 200 7 100 Avance No.00 T Water for structures All administration of the structures ppt 20 T No.00 No.00 No.00 No.00 And distructures interactions All administration of the structures ppt Add No.00 No.0		ds (a)	J	0.05		Average	ND	ND	
Analysis Analysis No. <									
lencochoreme ppt 200 7 100 Average ND ND and anticipation lines N2:ethyNexyInductate ppb 40 12 3 Average ND ND </td <td>Acrylamide</td> <td>NA</td> <td>TT</td> <td>MCLG=0</td> <td>NA</td> <td></td> <td></td> <td></td> <td></td>	Acrylamide	NA	TT	MCLG=0	NA				
N2 - strukturkundungsame opb opb oph oph< oph< oph< oph< oph< oph< o	Benzo(a)pyrene	nnt	200	7	100				
ND: ethylaschjothinalate np I 12 Range ND Chemical factory discharge: inert ingredient ippliktendydin NN NT MCLGe NN Average NU NT in pesicides ippliktendydin NN NT MCLGe NN Average NU NT in pesicides issachboropolenzane ppb 1 0.03 0.5 Average NU NT Vaster form male factory discharge: inert ingredient discharge form chemical factories issachboropolenzane ppb 0.0 0.0 0.0 NU ND ND Discharge form chemical factories issachboropolenzane ppb 1.0 Average ND ND Discharge form chemical factories issachboropolenzane ppb 1.0 1.0.5 Average ND ND Discharge form chemical factories issachboropolenzane ppb 6.0 1.0 Average ND ND Discharge form chemical factories issachboropolenzane ppb 6.0 1.0	Denzo(d)pyrone	ppt	200	,	100			ND	
Nike Hyperbolization Opt A 11 A 12 3 Average ND ND Processing izabinondmin NA TT MCLGO NA Farago NU +TU Visite treatment cherical inpucties Average NU NU <td< td=""><td>Di(2-ethylhexyl)adipate</td><td>ppb</td><td>400</td><td>200</td><td>5</td><td></td><td></td><td></td><td></td></td<>	Di(2-ethylhexyl)adipate	ppb	400	200	5				
pack open production NM TT McLGeO NM TT Water treatment chemical inputies texachlorobrization ppb 1 0.03 0.5 Average ND ND ND texachlorobrization ppb 1 0.03 0.5 Average ND ND ND texachlorobrization ppb 50 2 1 Average ND	Di(2-ethylbexyl)phthalate	nnh	4	12	3			ND	
Diskloodnydin NA TH McKer-of NA Average NU TT McKer result result information and information a						Range	NU	TT	
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testschonopologentatione (mod) ppb 60 20 20 20 7 20 Range (mod) ND No ND ND ND NO	Hovachlorobonzono	nnh	1	0.02	0.5				
learch/procyclopertadiene (barch ppd pot 50 2 1 Average Average ND ND ND Dechange from chemical factories Data Data Data Data Data Data Data Data		ppu		0.05	0.5				
Diakin Opc 30 0.05 5 Average ND ND Michaele Solate Organic Compounds - - Range ND ND Plastics factory discharge; gas tanks sateon Tetrachloide ppt 1 0.15 Average ND ND Plastics factory discharge; gas tanks attoon Tetrachloide ppt 500 100 500 Average ND ND Plastics factory discharge from industrial chemical factories _2-Dichorobenzene ppt 5 3 0 Average ND ND Discharge from industrial chemical factories _2-Dichorobenzene ppt 5 3 0.5 Average ND ND Discharge from industrial chemical factories _2-Dichorobenzene ppt 50 400 Average ND ND Discharge from industrial chemical factories _2-Dichorobenzene ppt 6 100 0.5 Average ND ND Discharge from industrial chemical factories Discharge from industrial chemical factorie	Hexachlorocyclopentadiene	ppb	50	2	1	Average			
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J-Dichloroethylene ppb 6 10 0.5 Range ND ND is: 1.2-Dichloroethylene ppb 6 100 0.5 Average ND ND Industrial chemical factory discharge; is: 1.2-Dichloroethylene ppb 6 100 0.5 Average ND ND Industrial chemical factory discharge; rans: 1.2-Dichloroethylene ppb 5 4 0.5 Average ND ND Industrial chemical factory discharge; ichloroethylene ppb 5 4 0.5 Average ND ND Discharge from industrial chemical factories ichloroethylene ppb 5 4 0.5 Average ND ND Discharge from industrial chemical factories ichloropropane ppb 5 0.5 Average ND ND Industrial chemical factories ichloropropane ppt 500 200 500 Average ND ND Range ND Range ND Range	1.2-Dichloroethane	ppt	500	400	500		ND	ND	Discharge from industrial chemical factories
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Dichloromethane ppb 5 4 0.5 Auerage ND Discharge from pharmaceutical nad chemical factories g.2-Dichloropropane ppb 5 0.5 0.5 Average ND ND Industrial Chemical factories g.2-Dichloropropane ppt 5 0.5 0.5 Average ND ND Industrial Chemical factory discharge; Industrial Chemical factories g.3-Dichloropropene ppt 500 200 500 Average ND ND Funditizaching from nehamaceutical medicale used on croplands ithylbenzene ppb 300 0.5 Average ND ND Petroleum refinery discharge; industrial factories https://exh/vert.obutyl ether ppb 13 13 3 Average ND ND Gasoline discharge from watercraft engines https://exh/vert.obutyl ether ppb 70 70 0.5 Average ND ND Gasoline discharge from industrial, agricultural, and chemical https://exh/vert.obutylether ppb 100 0.5 0.5 Average									Industrial chemical factory discharge;
Methylene Chloride) ppb 5 4 0.5 Average ND ND and chemical factory discharge; ,2-Dichloropropane ppb 5 0.5 0.5 Average ND ND Industrial chemical factory discharge; ,3-Dichloropropene ppt 500 200 500 Average ND ND Runoff/leaching from nematocide used on :s-Dichloropropene ppt 500 200 500 Average ND ND Croplands :thylbenzene ppb 300 300 0.5 Average ND ND Croplands MTBE s.f.1 ppb 13 13 Average ND ND Gasoline discharge from industrial, agricultural, and chemical factories Anochlorobenzene ppb 70 70 0.5 Average ND ND Basoline discharge; Anochlorobenzene ppb 100 0.5 Average ND ND Basoline discharge; Anochlorobenzene ppb 100 0.5		ppb	10	60	0.5				
2-Dichloropropaneppb50.50.5RangeNDNDIndustrial chemical factory discharge; primary component of some funigants $3-$ Dichloropropeneppt500200500AverageNDNDRunoff/leaching from nematocide used on croplands $3-$ Dichloropropeneppt500200500AverageNDNDNDcroplandsithylbezeneppb3003000.5AverageNDNDPetroloum refinery discharge; industrialIthyl-tert-butyl ether-RangeNDNDNDchemical factoriesMTBE) (e.f)ppb13133AverageNDNDAonochlorobenzeneppb70700.5AverageNDNDGasoline discharge from industrial, agricultural, and chemical factories, and dry cleanersStyreneppb100.50.5AverageNDNDNDlandiil leaching $1,2,2$ -Tetrachloroethaneppb10.10.5AverageNDNDlandiil leaching $2,4$ -Trichlorobenzeneppb50.060.5AverageNDNDlandiil leaching $1,2,2$ -Tetrachloroethaneppb10.10.5AverageNDNDlandiil leaching $1,2,4$ -Trichloroethaneppb50.060.5AverageNDNDlandiil leaching $1,2,4$ -Trichlorobenzeneppb50.060.5AverageNDND	(Methylene Chloride)	ppb	5	4	0.5				and chemical factories
3-Dichloropropeneppt500200500AverageNDNDRunoff/leaching from nematocide used on croplands2-Dichloropropeneppb3003000.5AverageNDNDPetroleum refinery discharge; industrialithylbenzeneppb3003000.5AverageNDNDChemical factoriesMTBE) (e.f)ppb13133AverageNDNDGasoline discharge from watercraft enginesMTBE) (e.f)ppb70700.5AverageNDNDDischarge from industrial, agricultural, and chemical dry cleanersAnochlorobenzeneppb70700.5AverageNDNDRangeNDStyreneppb1000.50.5AverageNDNDRubber and plastics factories discharge;ietrachloroethaneppb10.10.5AverageNDNDIscharge from industrial, agricultural, and chemical factories; solvent usescitrachloroethylenempb50.060.5AverageNDNDIscharge from factories, dry cleaners, refrachloroethylenecitlenempb1500.5AverageNDNDIscharge from factories, dry cleaners, refrachloroethylenecitlenempb50.060.5AverageNDNDIscharge from factories, dry cleaners, refrachloroethylenecitlenempb50.060.5AverageNDNDIscharge from factories,						Range			Industrial chemical factory discharge;
g-Dichloropropeneppt500200500AverageNDNDcroplandsthylbenzeneppb3000.5AverageNDNDPetroleum refinery discharge; industrialAlethyl-tert-butyl etherppb13133AverageNDNDMTBE J (a,f)ppb13133AverageNDNDAlonochlorobenzeneppb70700.5AverageNDNDAlonochlorobenzeneppb100.5AverageNDNDRange1,2,2-Tetrachloroethaneppb10.10.5AverageNDND1,2,2-Tetrachloroethaneppb10.10.5AverageNDNDolueneppb1500.5AverageNDNDDischarge from industrial, agricultural, and chemical1,2,2-Tetrachloroethaneppb10.10.5AverageNDNDIandfill leactories; solvent usesolueneppb10.10.5AverageNDNDDischarge from factories; olvent uses2,4-Trichlorobenzeneppb1500.5AverageNDNDand auto shopsclueneppb1500.5AverageNDNDDischarge from textile-finishing factories2,4-Trichlorobenzeneppb1500.5AverageNDNDDischarge from textile-finishing factories2,4-Trichlorobenzeneppb550.5Average </td <td>1,2-Dichloropropane</td> <td>ppb</td> <td>5</td> <td>0.5</td> <td>0.5</td> <td></td> <td>ND</td> <td>ND</td> <td></td>	1,2-Dichloropropane	ppb	5	0.5	0.5		ND	ND	
Ethyleneneppb3003000.5RangeNDNDPetroleum refinery discharge; industrial chemical factoriesAethyl-tert-butyl etherRangeNDNDchemical factoriesMTBE) (e,f)ppb13133AverageNDNDGasoline discharge from watercraft enginesMonochlorobenzeneppb70700.5AverageNDNDDischarge from industrial, agricultural, and chemicalStyreneppb100.50.5AverageNDNDNDRubber and plastics factories discharge; tactories, and drv cleanersAgreeppb100.50.5AverageNDNDNDRubber and plastics factories discharge; tactories, solvent usesAgreeppb10.10.5AverageNDNDNDDischarge from industrial, agricultural, and chemical1,2,2-Tetrachloroethaneppb10.10.5AverageNDNDDischarge from factories, dry cleaners, ad auto shopsPCE)ppb50.660.5AverageNDNDDischarge from factories, dry cleaners, ad auto shopsclueneppb1501500.5AverageNDNDDischarge from petroleum and chemical refineries,2,4-Trichlorobenzeneppb550.5AverageNDNDDischarge from textile-finishing factories,2,4-Trichlorobenzeneppb550.5AverageNDND<	1,3-Dichloropropene	ppt	500	200	500				
Methyl-tert-butyl ether Range ND ND MTBE / (e,f) ppb 13 13 3 Average ND ND MTBE / (e,f) ppb 13 13 3 Average ND ND Gasoline discharge from industrial, agricultural, and chemical Monochlorobenzene ppb 70 0.5 Average ND ND factories, and dry cleaners Attrine ppb 100 0.5 Average ND ND Rubber and plastics factories discharge; Attrine ppb 10 0.5 Average ND ND Bachtie Ching 1,2,2-Tetrachloroethane ppb 1 0.1 0.5 Average ND ND Discharge from industrial, agricultural, and chemical 1,2,2-Tetrachloroethylene Range ND ND ND Discharge from factories, olvent uses oluene ppb 150 0.5 Average ND ND and auto shops 2,2-4-Trichlorobenzene ppb 5 0.5 Average ND ND adauto shops 2,2-4-Trichlorobenzene									
MTBE) (e,f) ppb 13 13 3 Average ND ND Gasoline discharge from watercraft engines Anochlorobenzene ppb 70 0.5 Average ND ND Discharge from industrial, agricultural, and chemical Anochlorobenzene ppb 70 0.5 Average ND ND Range ND ND Styrene ppb 100 0.5 0.5 Average ND ND Rubber and plastics factories discharge; Styrene ppb 100 0.5 0.5 Average ND ND Discharge from industrial, agricultural, and chemical (1,2,2-Tetrachloroethane ppb 1 0.1 0.5 Average ND ND Discharge from industrial, agricultural, and chemical (1,2,2-Tetrachloroethylene Range ND ND ND factories; solvent uses Fortachloroethylene Range ND ND ND and auto shops oluene ppb 150 150 Average ND ND Discharge from textile-finishing factories (2,4-Trichlorobenzene ppb 5 0.5 Average ND ND Discharge from textile-finishing factories (1,1-Trichloroethane <td></td> <td>ppb</td> <td>300</td> <td>300</td> <td>0.5</td> <td></td> <td></td> <td></td> <td>I CNEMICAI TACTORIES</td>		ppb	300	300	0.5				I CNEMICAI TACTORIES
Anonchlorobenzeneppb70700.5RangeNDNDDischarge from industrial, agricultural, and chemicalAnonchlorobenzeneppb70700.5AverageNDNDRubber and plastics factories discharge; tactories factories discharge;Styreneppb1000.50.5AverageNDNDRubber and plastics factories discharge; tactories; solvent uses1,1,2,2-Tetrachloroethaneppb10.10.5AverageNDNDDischarge from industrial, agricultural, and chemical1,1,2,2-Tetrachloroethyleneppb10.10.5AverageNDNDDischarge from industrial, agricultural, and chemicalPCE)ppb50.060.5AverageNDNDDischarge from factories; of y cleaners, and auto shopsolueneppb1501500.5AverageNDNDNDDischarge from petroleum and chemical refineries,2,4-Trichlorobenzeneppb550.5AverageNDNDNDDischarge from textile-finishing factories,1,1-Trichloroethaneppb550.5AverageNDNDNDDischarge from textile-finishing factories,1,1-Trichloroethaneppb2001,0000.5AverageNDNDDischarge from textile-finishing factories,1,1-Trichloroethaneppb2001,0000.5AverageNDNDMetal degreasing site discharge; manufacture,1,1-T		daa	13	13	3				Gasoline discharge from watercraft engines
Byrene ppb 100 0.5 0.5 Range ND ND Rubber and plastics factories discharge; Styrene ppb 100 0.5 0.5 Average ND ND landfill leaching 1,1,2,2-Tetrachloroethane ppb 1 0.1 0.5 Average ND ND bischarge from industrial, agricultural, and chemical etrachloroethane ppb 1 0.1 0.5 Average ND ND factories; solvent uses etrachloroethylene Range ND ND ND and auto shops PCE) ppb 5 0.06 0.5 Average ND ND oluene ppb 150 150 0.5 Average ND ND _2,4-Trichlorobenzene ppb 5 0.5 Average ND ND _1,1-Trichloroethane ppb 200 1,00 0.5 Average ND ND _1,1-Trichloroethane ppb 200 1,00 0.5 Average ND ND						Range	ND	ND	Discharge from industrial, agricultural, and chemical
Styrene ppb 100 0.5 0.5 Average ND ND landfill leaching 1,1,2,2-Tetrachloroethane ppb 1 0.1 0.5 Average ND ND Discharge from industrial, agricultural, and chemical etrachloroethylene ppb 1 0.1 0.5 Average ND ND Discharge from factories; solvent uses PCE) ppb 5 0.06 0.5 Average ND ND Discharge from factories, dry cleaners, and auto shops oluene ppb 150 0.5 Average ND ND Discharge from petroleum and chemical refineries	Monochlorobenzene	ppb	70	70	0.5	Average	ND	ND	factories, and dry cleaners
Alg.2-Tetrachloroethane ppb 1 0.1 0.5 Range ND ND Discharge from industrial, agricultural, and chemical ietrachloroethylene 0.1 0.5 Average ND ND Discharge from industrial, agricultural, and chemical PCE) ppb 5 0.6 0.5 Average ND ND Discharge from factories, dry cleaners, PCE) ppb 5 0.6 0.5 Average ND ND Discharge from factories, dry cleaners, oluene ppb 150 0.5 Average ND ND Discharge from petroleum and chemical refineries ,2,4-Trichlorobenzene ppb 5 0.5 Average ND ND Discharge from textile-finishing factories ,1,1-Trichloroethane ppb 200 1,000 0.5 Average ND ND quarter Range ND ND ND Metal degreasing site discharge; manufacture q.1,1-Trichloroethane ppb 200 1,000 0.5 Average ND ND	Styrene	ppb	100	0.5	0.5	Average	ND	ND	
PCE ppb 5 0.06 0.5 Range ND ND Discharge from factories, dry cleaners, dry cl						Range	ND	ND	Discharge from industrial, agricultural, and chemical
PCE) ppb 5 0.06 0.5 Average ND ND and auto shops oluene ppb 150 150 0.5 Average ND ND	1,1,2,2-I etrachioroethane	ppb	1	0.1	0.5	Average Range			Tactories; solvent uses
Range ND ND oluene ppb 150 150 0.5 Range ND Discharge from petroleum and chemical refineries ,2,4-Trichlorobenzene ppb 5 5 0.5 Average ND ND ,1,1-Trichloroethane ppb 200 1,000 0.5 Average ND ND Mark Range ND ND Metal degreasing site discharge; manufacture Mark Range ND ND Metal degreasing site discharge; manufacture MD Range ND ND Metal degreasing site discharge; manufacture MD Range ND ND ND Metal degreasing site discharge; manufacture MD Range ND ND ND Metal degreasing site discharge; manufacture MD Range ND ND ND Metal degreasing site discharge; manufacture	(PCE)	ppb	5	0.06	0.5				
Applie Applie Applie Applie Range ND ND ,2,4-Trichlorobenzene ppb 5 5 0.5 Average ND ND Discharge from textile-finishing factories ,1,1-Trichloroethane ppb 200 1,00 0.5 Average ND ND Metal degreasing site discharge; manufacture ,1,1-Trichloroethane pb 200 1,00 0.5 Average ND ND of ood wrappings			155			Range	ND	ND	
,2,4-Trichlorobenzene ppb 5 5 0.5 Average ND ND Discharge from textile-finishing factories ,1,1-Trichloroethane ppb 200 1,000 0.5 Average ND ND Metal degreasing site discharge; manufacture 0 Range ND ND ND of food wrappings	Toluene	ppb	150	150	0.5	Average		ND	Discharge from petroleum and chemical refineries
Image ND ND Metal degreasing site discharge; manufacture 1,1-Trichloroethane ppb 200 1,000 0.5 Average ND ND of food wrappings Range ND ND ND ND of food wrappings	1,2,4-Trichlorobenzene	ppb	5	5	0.5	Average	ND	ND	Discharge from textile-finishing factories
Range ND ND	4.4.4 Tricklass all and		000	4.000		Range			Metal degreasing site discharge; manufacture
		ppb	200	1,000	0.5	Range			joi rood wrappings
	1,1,2-Trichloroethane	ppb	5	0.3	0.5				Discharge from industrial chemical factories

YUIMA MWD - Wholesalers 2016 Water Quality Information									
					Testing				
		-			date:				
		State or			2016	Combined	Imported		
		Federal MCL	PHG (MCLG)	State	Range	Sources Yuima	Colorado State	Major Sources in Drinking Water	
Parameter	Units	[MRDL]	[MRDLG]	DLR	Average	IDA	Project	Major Sources in Drinking water	
Trichloroethylene	onito		[IIIIIEE0]	DER	Range	ND	ND	Discharge from metal degreasing sites and	
(TCE)	ppb	5	1.7	0.5	Average	ND	ND	other factories	
Trichlorofluoromethane	aab	450	1200	E.	Range	ND-69	ND ND	Industrial factory discharge; degreasing solvent;	
(Freon-11) 1,1,2-Trichloro-1,2,2-	ppb	150	1300	5	Average Range	23 ND	ND	propellant Discharge from metal degreasing sites and other	
trifluoroethane (Freon-113)	ppm	1.2	4	0.01	Average	ND	ND	factories: dry cleaning solvent: refrigerant	
Minut Oblasida		500	50	500	Range	ND ND	ND	Leaching from PVC piping; plastic factory	
Vinyl Chloride	ppt	500	50	500	Average Range	ND ND	ND ND	discharge; by-product of TCE and PCE biodegradation Discharge from petroleum and chemical refineries;	
Xylenes	ppm	1.750	1.8	0.0005	Average	ND	ND	fuel solvent	
INORGANIC CHEMICALS									
Aluminum	nnh	1,000	600	50	Range Average	ND-0.045 ND	ND-240 120	Residue from water treatment process; natural deposits erosion	
Aluminum	ppb	1,000	000	50	Range	ND	ND	Petroleum refinery discharges; fire retardants;	
Antimony	ppb	6	20	6	Average	ND	ND	solder; electronics	
Arconic	nrh	10	0.004	2	Range	ND ND	ND-3.1 1.12	Natural deposits erosion, glass and electronics	
Arsenic	ppb	10	0.004	2	Average Range	ND ND	1.12 ND	production wastes Asbestos cement pipes internal corrosion;	
Asbestos (h)	MFL	7	7	0.2	Average	ND	ND	natural deposits erosion	
Destaur	a sh	4 000	0.000	400	Range	ND-140	ND-144	Oil and metal refineries discharge;	
Barium	ppb	1,000	2,000	100	Average Range	54.8 ND	82.2 ND	natural deposits erosion 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 Range	ND ND	ND ND	natural deposits erosion Discharge from steel and pulp mills;	
Chromium	ppb	50	MCLG=0	10	Average	ND	ND	natural deposits erosion	
		1			Range	ND-1.9	ND	Industrial waste discharge; could be	
Chromium VI (i)	ppb	10	0.02	1	Average Site Sampled	0.32	ND ND	naturally present as well 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 Fluoride (k)	ppb	150	150	100	Average Range	ND 0.16-0.31	ND 0.6-0.9	fertilizer factories 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 (I)	ppb	AL = 15	0.2	5	90th % Range	3.5 ND	ND ND	erosion of natural deposits 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 Range	ND ND-9.8	ND ND-1.1	metal factories Runoff and leaching from fertilizer use; septic tank	
Nitrate (as N)	ppm	10	10	0.4	Average		0.8	and sewage; natural deposits erosion	
					Range	2.06 ND	ND	Runoff and leaching from fertilizer use; septic tank	
Nitrite (as N)	ppm	1	1	0.4	Average Range	ND ND-4.6	ND ND	and sewage; natural deposits erosion Yuima values are treated	
Perchlorate (I)	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 Range	1.78 ND	ND ND	waste discharge; runoff from livestock lots Leaching from ore processing; electronics	
Thallium	ppb	2	0.1	1	Average	ND	ND	factory discharge	
RADIOLOGICALS (m)									
Gross Alpha	0.15				Range	1.16-6.04	ND-5		
Particle Activity Gross Beta	pCi/L	15	MCLG=0	3	Average Range	3.14 NA	0.6 ND-6	Erosion of natural deposits	
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 Range	0.025 ND	ND ND	Erosion of natural deposits	
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 Range	NA NA	ND ND	Erosion of natural deposits	
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 NA	ND ND-4	Decay of natural and man-made deposits	
Uranium	pCi/L	20	0.43	1	Range Average	5.1	2.4	Erosion of natural deposits	
	P0.2	20	0.10		711010490				

YUIMA MWD -	wholes	alei 5 Z	010 Wa			nation		
					Testing			
		-			date:			
		State or			2016	Combined	Imported	
		Federal	PHG		_	Sources	Colorado	
Demonstern	11-11-1	MCL	(MCLG)	State	Range	Yuima IDA	State	Major Sources in Drinking Water
Parameter	Units	[MRDL]	[MRDLG]		Average		Project	IRSORS
DISINFECTION BY-PRODUCTS, Total Trihalomethanes	DISINFEC	IANI KES	SIDUALS,	AND DIS	Range	14-18	16-62	IRSURS
(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
Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG=4.0	NA	Range	ND-2.2 1.39	0.9-3.1 2.4	Drinking water disinfectant added for treatment
	ppm	WINDL = 4.0	MINDLG=4.0	INA	Average 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) SECONDARY STANDARDS	ppm	TT	NA	0.30	Average	NA	TT	Various natural and man-made sources
SECONDARY STANDARDS	Aesthetic	Stanuar	us		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
Color	Units	15	NA	NA	Range Average	ND-20 2	<u>1-2</u> 1.6	Naturally-occurring organic materials
	0.1110				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 (MBAS)	nnh	500	NA	NA	Range Average	ND ND	ND ND	Municipal and industrial waste discharges
(MBAS)	ppb	500	IN/A	INA	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 Range	0.06 ND	ND ND	Leaching from natural deposits
МТВЕ	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 ND	2-3 2.6 ND	Naturally-occurring organic materials
Silver	ppb	100	NA	10	Range 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
Sulfate	ppm	500	NA	0.5	Range Average	89-200 147.07	29-262 179.4	Runoff/leaching from natural deposits; industrial wastes
Guide	ppm	000	1.073	0.0	Range	ND	ND	
Thiobencarb	ppb	1	70	1	Average	ND	ND	Runoff/leaching from rice herbicide
Total Dissolved Solids (TDS)	ppm	1,000	NA	NA	Range Average	260-880 599.29	261-659 525.4	Runoff/leaching from natural deposits; seawater influence
(103)	ppm	1,000	19/5	INA	Range	ND-16	ND	
Turbidity (a)	NTU	5	NA	.1	Average	1.59	ND	Soil runoff
71		5.0	NIA	0.05	Range	ND-0.032	ND	Runoff/leaching from natural deposits;
	ppm	5.0	NA	0.05	Average	0.01	ND	industrial wastes
MICROBIOLOGICAL								
					Range	ND-740	ND - 1	
HPC (f)	CFU/mL	NA	NA	NA	Average	155.25		Naturally present in the environment
CHEMICAL								
		NIA	NIA	NIA	Range	NA	64-125	
Alkalinity (as CaCO3)	ppm	NA	NA	NA	Average Range	160 ND	105 140-270	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	Py product of driphing water chloringting:
Chlorate	ppb	NL = 800	NA	20	Range Range	NA NA	26-60 26-60	By-product of drinking water chlorination; 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) (as Saturation Index)	SI	NA	NA	NA	Range Average	NA NA	0.22-0.66 0.48	Elemental balance in water; affected by temperature, other factors
	51	INPA	INPA	IN/A	Range	NA		
Hardness (as CaCO3)	ppm	NA	NA	NA	Average	291.71	87-306 221.8	Municipal and industrial waste discharges
			N		Range	1.2-58	10-27	
Magnesium	ppm pH	NA	NA	NA	Average Range	26.55 7.14-8.32	20 8.1-8.6	
рН	Units	NA	NA	NA	Average	7.14-0.32	8.2	
					Range	5.5-8.32	2.7-5.1	
Potassium	ppm	NA	NA	NA	Average	5.64 NA	4.2 ND	
Radon (m)	pCi/L	NA	NA	100	Range Average	NA NA	ND ND	
	P0/L			100	/ Workinge	110		+

TOIMA MWD - Wholesalers 2016 water Quality information											
					Testing						
					date:						
		State or			2016	Combined	Imported				
		Federal	PHG			Sources	Colorado				
		MCL	(MCLG)	State	Range	Yuima	State	Major Sources in Drinking Water			
Parameter	Units		[MRDLG]		Average	IDA	Project				
					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
CaCO₃	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 coliformpositive 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 trigger, Level 1 assessments or vilations occurred
- € E.coli MCI 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. coliwhen 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

- (I) 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