ATTACHMENT 7

Consumer Confidence Report Certification Form

(to be submitted with a copy of the CCR)

(to certify electronic delivery of the CCR, use the certification form on the State Board's website at http://www.waterboards.ca.gov/drinking water/certlic/drinkingwater/CCR.shtml)

Wate	r Syste	m Name:	FOOTHI	LL MUNICIPAL	WATER DISTRICT		
Wate	r Syste	m Number:	1910032				
The volume Marc the scomp	water s h 23, 2 system oliance	ystem named 2016 (date) to certifies that	customer the infor	s (and appropriate mation contained	e notices of availability in the report is corre	havect	Report was distributed on we been given). Further, and consistent with the Control Board, Division
Certi	fied by	: Name:		Daniel Drugan			
		Signatu	re:	Duin	na		
		Title:		Water Program	Technician		
		Phone 1	Number:	(818) 790-4036	Dat	te:	March 23, 2016
\boxtimes	file att service water	achment to the treated MWD distribution systems faith" efforts ods: Posting the Control of the	District's imported vitem. were used	Retail Agencies. F water) to 7 retailing to reach non-bill p internet at http://www	oothill MWD only distrib water agencies. Foothill	effo	
		Advertising th	ne availabil	ity of the CCR in ne	ws media (attach copy of p	pres	s release)
				in a local newspap f newspaper and dat		attac	ch a copy of the published
		Posted the CC	R in public	c places (attach a lis	t of locations)		
		Delivery of apartments, but		•	ingle-billed addresses serv	ving	several persons, such as
		Delivery to co	mmunity o	organizations (attach	a list of organizations)		
		Other (attach	a list of oth	er methods used)			
		stems serving ing address: w		00,000 persons: P	osted CCR on a publicly-	-acc	essible internet site at the
	For pr	ivately-owned i	utilities: De	elivered the CCR to	the California Public Utili	ties	Commission
		122277 22 3	1000 10	S 98	20 0 0 00 00 00 00 00 00 00 00 00 00 00) (

This form is provided as a convenience and may be used to meet the certification requirement of section 64483(c), California Code of Regulations.

						Treatment Plant Effluent					
		State or									
		Federal	PHG					_			Major Sources in Drinking Water
B	1114	MCL	(MCLG)	State	Range	Weymouth	Diemer	Jensen	Skinner	Mills	
Parameter Percent State	Units	[MRDL]	[MRDLG]	DLR	Average Range	Plant 0	Plant 0	Plant 100	Plant 0–6	Plant 100	
Project Water	%	NA	NA	NA	Average	0	0	100	3	100	
PRIMARY STANDARDS—Mar	ndatory H	ealth-Re	lated Star	ndards							
CLARITY											
Combined Filter	NTU	TT = 1			Highest	0.05	0.04	0.09	0.10	0.09	
Effluent Turbidity	%	TT (a)	NA	NA	% ≤ 0.3	100	100	100	100	100	Soil runoff
MICROBIOLOGICAL											
Total Coliform			(0)		Range	Distribution S			ND-0.2		
Bacteria (b)	%	5.0	(0)	NA	Average	Distribution S	ystem-wide:		ND		Naturally present in the environment
E. coli	(c)	(c)	(0)	NA		Distribution S	vstem-wide:		ND		Human and animal fecal waste
Heterotrophic Plate Count	, ,	, ,			Range	Distribution S	ystem-wide:		TT		
(HPC) (d)	CFU/ml	TT	NA	NA	Average	Distribution S			TT		Naturally present in the environment
Cryptosporidium	oocysts/ 200 L	TT	(0)	NA	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Human and animal fecal waste
Стургозронашт	cysts/	- ' '	(0)	INA	Range	ND ND	ND ND	ND ND	ND ND	ND ND	Tramail and allina icoal Wasic
Giardia	200 L	TT	(0)	NA	Average	ND	ND	ND	ND	ND	Human and animal fecal waste
ORGANIC CHEMICALS											
Pesticides/PCBs											
					Range	ND	ND	ND	ND	ND	
Alachlor	ppb	2	4	11	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff from herbicide used on row crops Runoff from herbicide used on row crops
Atrazine	ppb	1	0.15	0.5	Average	ND ND	ND ND	ND	ND	ND	and along highways
7 th den 70			51.15	0.0	Range	ND	ND	ND	ND	ND	Runoff/leaching from herbicide used on rice,
Bentazon	ppb	18	200	2	Average	ND	ND	ND	ND	ND	alfalfa, and grapes
Carlactura		40	4.7	_	Range	ND ND	ND ND	ND ND	ND ND	ND ND	Leaching of soil fumigant used on rice, alfalfa,
Carbofuran	ppb	18	1.7	5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	and grapes
Chlordane	ppt	100	30	100	Average	ND	ND	ND	ND	ND	Residue of banned insecticide
					Range	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops,
2,4-D	ppb	70	20	10	Average	ND	ND	ND	ND	ND	rangeland, lawns, and aquatic weeds
Dalapon	ppb	200	790	10	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff from herbicide used on rights-of-way, crops, and landscapes
Dibromochloropropane	ррь	200	700	10	Range	ND	ND	ND	ND	ND	Banned nematocide that may still be present
(DBCP)	ppt	200	1.7	10	Average	ND	ND	ND	ND	ND	in soils
Discont		_		0	Range	ND ND	ND	ND	ND	ND	Runoff from herbicide used on soybeans,
Dinoseb	ppb	7	14	2	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	vegetables, and fruits Runoff from herbicide used for terrestrial
Diquat	ppb	20	15	4	Average	ND	ND	ND	ND	ND	and aquatic weeds
•					Range	ND	ND	ND	ND	ND	Runoff from herbicide used for terrestrial
Endothall	ppb	100	94	45	Average	ND ND	ND ND	ND	ND	ND	and aquatic weeds
Endrin	ppb	2	1.8	0.1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Residue of banned insecticide and rodenticide
Ethylene Dibromide	PPU		1.0	0.1	Range	ND	ND	ND	ND	ND	Petroleum refinery discharges; underground
(EDB)	ppt	50	10	20	Average	ND	ND	ND	ND	ND	gas tank leaks
Chyphocata	nnh	700	000	25	Range	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff from herbicide use
Glyphosate	ppb	700	900	25	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Kunon from herbicide use
Heptachlor	ppt	10	8	10	Average	ND	ND	ND	ND	ND	Residue of banned insecticide
					Range	ND	ND	ND	ND	ND	
Heptachlor Epoxide	ppt	10	6	10	Average	ND ND	ND	ND	ND	ND	Breakdown product of heptachlor
Lindane	ppt	200	32	200	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff/leaching from insecticide used on cattle, lumber, and gardens
Lindano	ρρι	200	02	200	Range	ND	ND	ND	ND	ND	inimor, and gardono
Methoxychlor	ppb	30	0.09	10	Average	ND	ND	ND	ND	ND	Runoff/leaching from insecticide uses
Malia eta (Ondre er)		00		_	Range	ND ND	ND	ND ND	ND ND	ND	Dissattles ships from harbitale and a set
Molinate (Ordram)	ppb	20	1	2	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff/leaching from herbicide used on rice
Oxamyl (Vydate)	dqq	50	26	20	Average	ND ND	ND ND	ND	ND	ND	Runoff/leaching from insecticide uses
					Range	ND	ND	ND	ND	ND	Discharge from wood preserving factories
Pentachlorophenol	ppb	1	0.3	0.2	Average	ND	ND ND	ND	ND	ND	other insecticidal and herbicidal uses
Picloram	ppb	500	500	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Herbicide runoff
i idioralli	μρυ	500	500	I	Avelage	טאו	IND	עויו ו	ן ואט	טאו	I I I I I I I I I I I I I I I I I I I

							Treatm	reatment Plant Effluent			
Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant	Major Sources in Drinking Water
Polychlorinated Biphenyls (PCBs)	ppt	500	90	500	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff from landfills; discharge of waste chemicals
Diprierryis (FCDs)	ρρι	300	90	300	Range	ND ND	ND ND	ND	ND	ND	Runon nom landinis, discharge of waste chemicals
Simazine	ppb	4	4	1	Average	ND	ND	ND	ND	ND	Herbicide runoff
Thiobencarb	ppb	70	70	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff leaching from rice herbicide
2,4,5-TP	ρρυ	70	70	<u> </u>	Range	ND ND	ND ND	ND	ND	ND	Runon leaching non rice herbicide
(Silvex)	ppb	50	3	1	Average	ND	ND	ND	ND	ND	Residue of banned herbicide
Toxaphene	dqq	3	0.03	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff/leaching from insecticide used on cotton and cattle
Semi-Volatile Organic Compoun			0.03	<u> </u>	Average	IND	ND	IND	ND	ND	Cotton and Cattle
g					Range	TT	TT	TT	TT	TT	
Acrylamide	NA	TT	(0)	NA	Average	TT	TT	TT	TT	TT	Water treatment chemical impurities
Benzo(a)pyrene	ppt	200	7	100	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Leaching from water storage tank linings and distribution lines
Bonze(a/p)rone	ppt	200		100	Range	ND	ND	ND	ND	ND	and distribution miss
Di(2-ethylhexyl)adipate	ppb	400	200	5	Average	ND	ND	ND	ND	ND	Discharge from chemical factories
Di(2-ethylhexyl)phthalate	ppb	4	12	3	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Chemical factory discharge; inert ingredient in pesticides
Bit2 etriyirlexyijphandiate			12	<u> </u>	Range	TT	TT	TT	TT	TT	in positoraco
Epichlorohydrin	NA	TT	(0)	NA	Average	TT	TT	TT	TT	TT	Water treatment chemical impurities
Hexachlorobenzene	ppb	1	0.03	0.5	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from metal refineries & agrichemicals factories; wastewater chlorination reaction byproduct
T TOXAGO TIESTO	pps		0.00	0.0	Range	ND	ND	ND	ND	ND	nationes, wastewater entermation reaction by product
Hexachlorocyclopentadiene	ppb	50	2	1	Average	ND	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	ND ND	ND ND	ND ND	Waste incineration emissions; chemical factory discharge
Volatile Organic Compounds	РРЧ	00	0.00	<u> </u>	7.verage	IND	110	THE	ND	NB	alboharge
,					Range	ND	ND	ND	ND	ND	Plastics factory discharge; gas tanks
Benzene	ppb	1	0.15	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	and landfill leaching Discharge from chemical plants and other industrial
Carbon Tetrachloride	ppt	500	100	500	Average	ND	ND	ND	ND	ND	waste
					Range	ND	ND	ND	ND	ND	
1,2-Dichlorobenzene	ppb	600	600	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from industrial chemical factories
1,4-Dichlorobenzene	ppb	5	6	0.5	Average	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
		_	_		Range	ND	ND	ND	ND	ND	
1,1-Dichloroethane	ppb	5	3	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Extraction and degreasing solvent; fumigant
1,2-Dichloroethane	ppt	500	400	500	Average	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
					Range	ND	ND	ND	ND	ND	
1,1-Dichloroethylene	ppb	6	10	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from industrial chemical factories Industrial chemical factory discharge;
cis-1,2-Dichloroethylene	ppb	6	100	0.5	Average	ND	ND	ND	ND	ND	byproduct of TCE and PCE biodegradation
					Range	ND	ND	ND	ND	ND	Industrial chemical factory discharge;
trans-1,2-Dichloroethylene Dichloromethane	ppb	10	60	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	byproduct of TCE and PCE biodegradation Discharge from pharmaceutical
(Methylene Chloride)	ppb	5	4	0.5	Average	ND	ND	ND	ND	ND	and chemical factories
10 8:11		_	0.5	0.5	Range	ND	ND	ND	ND	ND	Industrial chemical factory discharge;
1,2-Dichloropropane	ppb	5	0.5	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	primary component of some fumigants Runoff/leaching from nematocide used on
1,3-Dichloropropene	ppt	500	200	500	Average	ND	ND	ND	ND	ND	croplands
	1	000	000	0.5	Range	ND	ND ND	ND ND	ND ND	ND	Petroleum refinery discharge; industrial
Ethylbenzene Methyl-tert-butyl ether	ppb	300	300	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	chemical factories
(MTBE)	ppb	13	13	3	Average	ND	ND	ND	ND	ND	Gasoline discharge from watercraft engines
				•	Range	ND	ND	ND	ND	ND	Discharge from industrial, agricultural, and chemical
Monochlorobenzene	ppb	70	70	0.5	Average	ND ND	ND ND	ND ND	ND ND	ND ND	factories, and dry cleaners
Styrene	ppb	100	0.5	0.5	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Rubber and plastics factories discharge; landfill leaching
					Range	ND	ND	ND	ND	ND	Discharge from industrial, agricultural, and chemical
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	Average	ND ND	ND ND	ND ND	ND ND	ND ND	factories; solvent uses Discharge from factories, dry cleaners,
Tetrachloroethylene (PCE)	ppb	5	0.06	0.5	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	and auto shops
		• • •				_	-				

							Treatm	ent Plant Efflo	uent		
Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant	Major Sources in Drinking Water
Toluene	ppb	150	150	0.5	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from petroleum and chemical refineries
					Range	ND	ND	ND	ND	ND	Discharge from petroleum and chemical refinences
1,2,4-Trichlorobenzene	ppb	5	5	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from textile-finishing factories Metal degreasing site discharge; manufacture
1,1,1-Trichloroethane	ppb	200	1,000	0.5	Average	ND	ND ND	ND	ND	ND ND	of food wrappings
					Range	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane Trichloroethylene	ppb	5	0.3	0.5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from industrial chemical factories Discharge from metal degreasing sites and
(TCE)	ppb	5	1.7	0.5	Average	ND	ND	ND	ND	ND	other factories
Trichlorofluoromethane		450	4 000	_	Range	ND ND	ND	ND	ND	ND	Industrial factory discharge; degreasing solvent;
(Freon-11) 1,1,2-Trichloro-1,2,2-	ppb	150	1,300	5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	propellant Discharge from metal degreasing sites and other
trifluoroethane (Freon-113)	ppm	1.2	4	0.01	Average	ND	ND	ND	ND	ND	factories; dry cleaning solvent; refrigerant
Visual Chlorida	nnt	500	50	500	Range	ND ND	ND ND	ND ND	ND ND	ND ND	Leaching from PVC piping; plastic factory discharge; byproduct of TCE and PCE biodegradation
Vinyl Chloride	ppt	500	50	500	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from petroleum and chemical refineries;
Xylenes	ppm	1.750	1.8	0.0005	Average	ND	ND	ND	ND	ND	fuel solvent
INORGANIC CHEMICALS	<u> </u>		<u> </u>								
Aluminum	ppb	1,000	600	50	Range Highest RAA	88–200 156	73–240 155	ND-84 ND	ND ND	64–180 115	Residue from water treatment process; natural deposits erosion
7 dammam	ррь	1,000		- 00	Range	ND	ND	ND	ND	ND	Petroleum refinery discharges; fire retardants;
Antimony	ppb	6	20	6	Average	ND	ND	ND	ND	ND	solder; electronics
Arsenic	ppb	10	0.004	2	Range Average	2.1 2.1	2.3 2.3	3.3 3.3	ND ND	2.2	Natural deposits erosion, glass and electronics production wastes
Aiseilic	ррь	10	0.004		Range	ND	ND	ND	ND	ND	Asbestos cement pipes internal corrosion;
Asbestos (e)	MFL	7	7	0.2	Average	ND	ND	ND	ND	ND	natural deposits erosion
Barium	ppb	1.000	2,000	100	Range Average	122 122	125 125	ND ND	124 124	ND ND	Oil and metal refineries discharge; natural deposits erosion
Darium	рри	1,000	2,000	100	Range	ND	ND	ND	ND	ND	Discharge from metal refineries, aerospace,
Beryllium	ppb	4	1	1	Average	ND	ND	ND	ND	ND	and defense industries
Cadmium	ppb	5	0.04	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Internal corrosion of galvanized pipes; natural deposits erosion
Cadmidiii	ррь	<u> </u>	0.04	'	Range	ND ND	ND	ND	ND	ND	Discharge from steel and pulp mills;
Chromium	ppb	50	(100)	10	Average	ND	ND	ND	ND	ND	natural deposits erosion
Chromium VI (f)	ppb	10	0.02	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff/leaching from natural deposits; discharge from industrial waste factories
Ciriomium vi (i)	ррь	10	0.02	'	Range	ND ND	ND	ND ND	ND	ND ND	Internal corrosion of household pipes;
Copper (g)	ppm	AL = 1.3	0.3	0.05	Average	ND	ND	ND	ND	ND	natural deposits erosion
Cuprido	nnh	150	150	100	Range	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from steel/metal, plastic, and fertilizer factories
Cyanide	ppb	130	150	100 Control Rai	Average	0.6–1.2	0.6–1.2	0.6–1.2	0.6–1.2	0.6–1.2	Tertilizer factories
		_			oride Level	0.7	0.7	0.7	0.7	0.7	
Fluoride (h) Treatment-related	ppm	2.0	1	0.1	Range Average	0.6–1.0 0.8	0.6–1.0	0.6–0.9 0.7	0.5–0.9	0.6-0.9	Erosion of natural deposits; water additive that promotes strong teeth
Treatment-related	рріп	2.0	'	0.1	Range	Distribution S		0.7	0.6–1.0	0.7	water additive that promotes strong teeth
				_	Range	ND	ND	ND	ND	ND	House pipes internal corrosion;
Lead (g)	ppb	AL = 15	0.2	5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	erosion of natural deposits Erosion of natural deposits; factory discharge;
Mercury	ppb	2	1.2	1	Average	ND	ND	ND	ND	ND	landfill runoff
					Range	ND	ND	ND	ND	ND	Erosion of natural deposits; discharge from
Nickel	ppb	100	12	10	Average Range	ND ND	ND ND	ND 0.6–0.9	ND ND	ND-0.9	metal factories Runoff and leaching from fertilizer use; septic tank
Nitrate (as Nitrogen) (i)	ppm	10	10	0.4	Average	ND	ND	0.0-0.9	ND	0.5	and sewage; natural deposits erosion
-					Range	ND	ND	ND	ND	ND	Runoff and leaching from fertilizer use; septic tank
Nitrite (as Nitrogen)	ppm	1	11	0.4	Average	ND ND	ND ND	ND	ND	ND ND	and sewage; natural deposits erosion
Perchlorate (j)	ppb	6	1	4	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Industrial waste discharge
			<u> </u>		Range	ND	ND	ND	ND	ND	Refineries, mines, and chemical
Selenium	ppb	50	30	5	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	waste discharge; runoff from livestock lots Leaching from ore processing; electronics
					Range	IXII)	IMI)	IMI)	IMI)	INII I	II PACTION TOWN OLD DEDCESING BIDGEFORICS

	Treatment Plant Effluent										
Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant	Major Sources in Drinking Water
RADIOLOGICALS (k) Gross Alpha	T	1	т т		Range	ND-4	ND-4	ND-5	ND-5	ND-4	
Particle Activity	pCi/L	15	(0)	3	Average	ND ND	ND ND	3	ND ND	ND ND	Erosion of natural deposits
Gross Beta					Range	4–6	4–6	ND-5	5	ND	
Particle Activity	pCi/L	50 (I)	(0)	4	Average	5	5	ND	5	ND	Decay of natural and man-made deposits
Radium-226	pCi/L	NA	0.05	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Erosion of natural deposits
Tradian LES		10.	0.00	•	Range	ND	ND	ND	ND	ND	Erosion of material deposits
Radium-228	pCi/L	NA	0.019	1	Average	ND	ND	ND	ND	ND	Erosion of natural deposits
Combined Radium-226 + 228	pCi/L	5	(0)	NA	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Erosion of natural deposits
Nadidiii 220 i 220	POI/L	Ť	(0)	INA	Range	ND ND	ND ND	ND	ND ND	ND	Erosion of natural deposits
Strontium-90	pCi/L	8	0.35	2	Average	ND	ND	ND	ND	ND	Decay of natural and man-made deposits
Tritium	pCi/L	20,000	400	1,000	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Decay of natural and man-made deposits
Titidiii	POI/L	20,000	400	1,000	Range	2–3	2–3	2–3	1–2	ND-4	Decay of natural and mair-made deposits
Uranium	pCi/L	20	0.43	1	Average	3	3	2	2	2	Erosion of natural deposits
DISINFECTION BYPRODUCTS, I	DISINFECT	ANT RESI	DUALS, A	ND DISIN							
Total Trihalomethanes		00	NIA	4.0	Range	23–30	22–30	7.1–19	12–17	12–30	Duran durat of deinling contagnable single
(TTHM) Total Trihalomethanes	ppb	80	NA	1.0	Average Range	28 25–46	26 23–38	14 22–45	15 17–25	23 17–66	Byproduct of drinking water chlorination
(TTHM) (m)	ppb	80	NA	1.0	Highest LRAA	39	35	38	21	34	Byproduct of drinking water chlorination
Total Trihalomethanes	''				Range	Distribution S	ystem-wide:	'	17–66		71
(TTHM) (n)	ppb	80	NA	1.0	Highest LRAA	Distribution S			39		Byproduct of drinking water chlorination
Haloacetic Acids (five)		60	NIA	4.0	Range	7.8–13	5.0–12	3.3–6.7	4.3–8.0	4.4–8.3	Duran durat of definition contain ablasia ation
(HAA5) Haloacetic Acids (five)	ppb	60	NA	1.0	Average Range	10 8.5–19	8.6 1.7–16	4.4 3.2–18	6.2 2.7–8.6	6.2 3.3–11	Byproduct of drinking water chlorination
(HAA5) (m)	ppb	60	NA	1.0	Highest LRAA	16	14	14	7.0	8.5	Byproduct of drinking water chlorination
Haloacetic Acids (five)	PF-9				Range	Distribution S			1.7–20		
(HAA5) (n)	ppb	60	NA	1.0	Highest LRAA	Distribution S	ystem-wide:		17		Byproduct of drinking water chlorination
Total Chlorina Dacidual	222	[4.0]	[4.0]	NIA	Range	Distribution S			1.1–3.0 2.4		Drinking water disinfectors added for treatment
Total Chlorine Residual	ppm	[4.0]	[4.0]	NA	Highest RAA Range	Distribution S NA	ystem-wide: ND	1.1–13	1.1–9.9	2.2–12	Drinking water disinfectant added for treatment
Bromate	ppb	10	0.1	1.0	Highest RAA	NA	ND	8.0	4.3	4.5	Byproduct of drinking water ozonation
DBP Precursors Control					Range	TT	TT	TT	TT	TT	Various natural and man-made sources;
as Total Organic Carbon (TOC)	ppm	TT	NA	0.30	Average	TT	TT	TT	TT	TT	TOC as a medium for the formation of disinfection byproducts
SECONDARY STANDARDS-	-Aestnetic	Standar	as		Pango	88–200	73–240	ND-84	ND	64–180	Residue from water treatment process;
Aluminum	ppb	200	600	50	Range Highest RAA	156	155	ND ND	ND ND	115	natural deposits erosion
	FFS				Range	98–102	98–101	85–86	102–105	76–96	Runoff/leaching from natural deposits;
Chloride	ppm	500	NA	NA	Average	100	100	86	104	86	seawater influence
Color	Color Units	15	NA	NA	Range Average	1	1 1	1	1	<u> </u>	Naturally-occurring organic materials
0000	OTING		10.	147 (Range	ND	ND	ND	ND	ND	Internal corrosion of household pipes; natural
Copper (g)	ppm	1.0	0.3	0.05	Average	ND	ND	ND	ND	ND	deposits erosion; wood preservatives leaching
Foaming Agents		500	NIA I	NIA	Range	ND	ND ND	ND	ND ND	ND	NA
(MBAS)	ppb	500	NA	NA	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Municipal and industrial waste discharges
Iron	ppb	300	NA	100	Average	ND	ND	ND	ND	ND	Leaching from natural deposits; industrial wastes
		50	NII 500	20	Range	ND ND	ND ND	ND ND	ND ND	ND	Leaching from natural deposits
Manganese	ppb	50	NL = 500	20	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Leaching from natural deposits
MTBE	ppb	5	13	3	Average	ND	ND	ND	ND	ND	Gasoline discharge from watercraft engines
Odor Threshold	TON	3	NA	1	Range Average	2 2	<mark>2</mark> 2	2 2	2 2	2 2	Naturally-occurring organic materials
Silver	ppb	100	NA	10	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Industrial discharges
					Range	1,030-1,060	1,040	692-703	1,000-1,050	580-666	Substances that form ions in water;
Specific Conductance	μS/cm	1,600	NA	NA	Average	1,040	1,040	698	1,020	623	seawater influence
Sulfate	ppm	500	NA	0.5	Range Average	252–261 257	253–261 257	108–112 110	237–249 243	81 <u></u> 84 83	Runoff/leaching from natural deposits; industrial wastes
					Range	ND	ND	ND	ND	ND	
Thiobencarb	ppb	1	70	1	Average	ND	ND	ND	ND	ND	Runoff/leaching from rice herbicide

	Treatment Plant Effluent										
Parameter	Units	State or Federal MCL [MRDL]	PHG (MCLG) [MRDLG]	State DLR	Range Average	Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant	Major Sources in Drinking Water
Total Dissolved Solids			1		Range	654–665	660–665	405	639-655	335-364	Runoff/leaching from natural deposits;
(TDS)	ppm	1,000	NA	NA	Average	660	663	405	647	350	seawater influence
					Range	ND	ND	ND	ND	ND	
Turbidity (a)	NTU	5	NA	0.1	Average	ND	ND	ND	ND	ND	Soil runoff
Zinc	ppm	5.0	NA	0.05	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff/leaching from natural deposits; industrial wastes
OTHER PARAMETERS											
MICROBIOLOGICAL											
		1			Range	ND	ND-1	ND-1	ND-1	ND	
HPC (d)	CFU/ml	TT	NA	NA	Median	ND	ND	ND	ND	ND	Naturally present in the environment
CHEMICAL											
	T				Range	123–129	120–131	89–92	125–130	77–84	
Alkalinity (as CaCO ₃)	ppm	NA	NA	NA	Average	126	126	91	128	81	
(are care c ₃ /	ррш	101	10/		Range	120	120	240	130	210	Runoff/leaching from natural deposits;
Boron	ppb	NL = 1,000	NA	100	Average	120	120	240	130	210	industrial wastes
		, , , , , , , , , , , , , , , , , , , ,			Range	77–78	76–80	36	75–78	27-30	
Calcium	ppm	NA	NA	NA	Average	78	78	36	77	29	
			1		Range	104	109	70	97	36	Byproduct of drinking water chlorination;
Chlorate	ppb	NL = 800	NA	20	Range	Distribution	System-wide:	•	91–147		industrial processes
Corrosivity (o)					Range	12.5	12.5	12.1-12.3	12.5	11.9–12.1	Elemental balance in water; affected
(as Aggressiveness Index)	Al	NA	NA	NA	Average	12.5	12.5	12.2	12.5	12.0	by temperature, other factors
Corrosivity (p)					Range	0.56-0.58	0.62-0.69	0.21-0.51	0.63-0.74	0.18-0.22	Elemental balance in water; affected
(as Saturation Index)	SI	NA	NA	NA	Average	0.57	0.66	0.36	0.69	0.20	by temperature, other factors
					Range	296-304	300–306	130-134	290-307	102-124	
Hardness (as CaCO ₃)	ppm	NA	NA	NA	Average	300	303	132	299	113	
					Range	26–28	26–27	10–11	25–27	6.0–12	
Magnesium	ppm	NA	NA	NA	Average	27	27	11	26	9.0	
	pH				Range	8.1	8.1	8.2–8.4	8.1–8.2	8.2–8.3	-
рН	Units	NA	NA	NA	Average	8.1	8.1	8.3	8.1	8.2	
Deterations		N10	210	NIA	Range	4.8–5.0	4.8–5.0	2.5–2.9	4.7–5.1	2.2–3.2	•
Potassium	ppm	NA	NA	NA	Average	4.9 ND	4.9 ND	2.7 ND	4.9 ND	2.7 ND	-
Radon (k)	pCi/L	NA	NA	100	Range Average	ND ND	ND	ND	ND ND	ND	-
Radoli (k)	pCi/L	INA	INA	100	Range	97–102	98–104	90–92	96–103	77–82	
Sodium	ppm	NA	NA	NA	Average	100	101	91	100	80	1
Coalain	ррпп	10/	14/1	100	Range	2.4–2.8	2.3–2.7	1.2–2.4	2.0–2.6	1.3–3.1	Various natural and man-made sources;
TOC	ppm	TT	NA	0.30	Highest RAA	2.6	2.6	1.6	2.3	2.3	TOC as a medium for the formation of disinfection byproducts
				0.00	Range	ND	ND	7.7	ND	9.0	To a de a moditam for the formation of dismostrative products
Vanadium	ppb	NL = 50	NA	3	Average	ND	ND	7.7	ND	9.0	Naturally-occurring; industrial waste discharge
N-Nitrosodimethylamine			1		Range	ND	ND	2.1-2.2	ND	2.2-2.5	Byproduct of drinking water chloramination;
(NDMA)	ppt	NL = 10	3	2	Range		System-wide:		ND-6.0		industrial processes
Dichlorodifluoromethane		1		_	Range	ND	ND	ND	ND	ND	
(Freon 12)	ppb	NL = 1,000	NA	0.5	Average	ND	ND	ND	ND	ND	Industrial waste discharge
Ethyl-tert-butyl ether	77~	1,000	,	<u> </u>	Range	ND	ND	ND	ND	ND	
(ETBE)	ppb	NA	NA	3	Average	ND	ND	ND	ND	ND	Used as gasoline additive
tert-Amyl-methyl ether	ррь	1 1/7	13/7	J	Range	ND ND	ND ND	ND	ND	ND	ossa do gasonino additivo
(TAME)	ppb	NA	NA	3	Average	ND	ND	ND	ND	ND	Used as gasoline additive
tert-Butyl alcohol	ρρυ	INA	INA	J	Range	ND ND	ND ND	ND	ND	ND	MTBE breakdown product; used as gasoline
(TBA)	nnh	NL = 12	NA	2		ND	ND ND	ND	ND	ND	additive
(IDA)	ppb	INL = 12	NA		Average	ND	טויו	ND	שאו	ND	auuilive

							Treatm	nent Plant Effl	luent			
			State or					Treath	lone i lane Em	T T		
			Federal	PHG								Major Sources in Drinking Water
			MCL	(MCLG)	State	Range	Weymouth	Diemer	Jensen	Skinner	Mills	
Parameter		Units	[MRDL]	[MRDLG]		Average	Plant	Plant	Plant	Plant	Plant	
ABBREVIATIONS A	AND FOOT	NOTES		-								
Abbreviations						14546		D. A.C. O. I.				
	AI AL	Aggressiver Action Leve				MBAS MCL		Blue Active Subst Contaminant Leve			ppb ppm	parts per billion or micrograms per liter (µg/L) parts per million or milligrams per liter (mg/L)
	CaCO ₃	Calcium Ca				MCLG		Contaminant Leve			ppq	parts per million or picograms per liter (pg/L)
	CFU	Colony-Forn				MFL		ers per Liter	. •••		ppt	parts per trillion or nanograms per liter (ng/L)
	DBP	Disinfection				MRDL		Residual Disinfect			RAA	Running Annual Average; highest RAA is the highest of all
	DDW	Division of [MRDLG		Residual Disinfect	ant Level Goal	I		Running Annual Averages calculated as average of all the
	DLR	Detection Li		•		NA	Not Applica				01	samples collected within a 12-month period
	LRAA	Locational F LRAA is the				ND NL	Not Detect Notification				SI TON	Saturation Index (Langelier) Threshold Odor Number
		Annual Ave	-		-	NTU		r Lever etric Turbidity Unit			TT	Treatment Technique is a required process intended to reduce
		all samples	Ū		Ū	pCi/L	picoCuries	•	.5			the level of a contaminant in drinking water
		period	conceted w	101111 a 12 111	Ontin	PHG	Public Hea	•			µS/cm	microSiemen per centimeter; or micromho per centimeter
		period				1110	1 abile 1 lea	iii ooai			рологи	(µmho/cm)
												([
Footnotes												
	(a)	As a Primar	y Standard	, the turbidit	y levels of th	ne filtered water	were less than	or equal	(h)			luoride levels at the treatment plants were adjusted
						taken each mo						de level of 0.7 ppm and a control range of 0.6 ppm to 1.2 ppm
						ity, a measure o	f the cloudiness	s of the				State's Water Fluoridation Standards.
		water, is an								•		ance with all provisions of the State's Fluoridation
				grab sample	es at these id	ocations were in	compliance wit	h the	(1)	System Requi		
	(h)	Secondary S		la	- F 00/ -f +b		la a la a		(i)			rate, which is the equivalent of 10 ppm as N.
	(b)					e monthly samp		om	(j)			eporting level is 0.1 ppb, which is below the state DLR of 4 ppb. reporting level and below the DLR are reported as ND in this report.
						5, 7,509 samples				These are ava	•	· · ·
						rms. The MCL			(k)			ected (triennially) during four consecutive quarters of
	(c)		•	•		ve total coliform		••	(,			orted for three years until the next samples are collected.
	()					utes an acute M	•		(I)	_		be the level of concern for beta particles.
		The MCL wa	as not viola	ted.					(m)			the highest Locational Running Annual Average (LRAA) of all
	(d)	All distribution	on system s	samples coll	lected had d	etectable total c	hlorine residual	S		data collected	at the treatme	ent plant specific core monitoring locations. Results are based
		and no HPC	was requir	red. HPC re	eporting leve	l is 1 CFU/ml. \	/alues are base	d on				nce monitoring plan.
		•	•	•		nmendations.			(n)			the highest Locational Running Annual Average (LRAA) of all
	(e)	Data are fro	m samples	collected in	2011 and re	eported once ev	ery nine-year			data collected	at distribution	n system-wide monitoring locations. Results are based
		compliance										nce monitoring plan.
	(f)							e DLR of 1 ppb.	(o)	AI ≥ 12.0 = No		
					g level and b	pelow the DLR a	re reported as I	ND in this report.				ly aggressive water
		These are a								AI ≤ 10.0 = Hiç		
	(g)			•		collect samples		•	(p)			rosive; tendency to precipitate and/or deposit scale on pipes
			ead and Co	pper Rule.	Lead and co	pper results are	from annual co	ompliance		Negative SI in	dex = corrosi	ve; tendency to dissolve calcium carbonate
		monitoring.										

		- Water	- Quanty	ricport		·	Agenoic		-		Diotino.	. 01 0001	nern California
						Source Water [‡]							
		04-4				Colorad	do River	St	ate Project Wa	iter	Blen	ided	
		State or	BUC	Ctata	Danne	Laka	Laka	Castala	Cilvanuaad	Laka	Diamond	Laka	
Parameter	Units	Federal MCL	PHG (MCLG)	State DLR	Range Average	Lake Havasu	Lake Mathews	Castaic Lake	Silverwood Lake	Lake Perris	Valley Lake	Lake Skinner	Major Sources in Drinking Water
Percent State	Ullits	INICL	(IVICEG)	DLK	Range	пачаѕи	0	100	100	100	100	0	Major Sources in Drinking Water
Project Water	%	NA	NA	NA	Average	0	0	100	100	100	100	0	
PRIMARY STANDAR							_	100	100	100	100	Ü	
ORGANIC CHEMICALS		nuatory i	Gaitii-NG	aled Olai	idalus (loi	reference	Officy)						
Pesticides/PCBs	,												
r esticiaes/r obs		1			Range	ND	ND	ND	ND	ND	ND	ND	Ι
Alachlor	ppb	2	4	1	Average	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops
, masimo.	PP~		·		Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops
Atrazine	ppb	1	0.15	0.5	Average	ND	ND	ND	ND	ND	ND	ND	and along highways
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from herbicide used on rice,
Bentazon	ppb	18	200	2	Average	ND	ND	ND	ND	ND	ND	ND	alfalfa, and grapes
	1				Range	ND	ND	ND	ND	ND	ND	ND	Leaching of soil fumigant used on rice, alfalfa,
Carbofuran	ppb	18	1.7	5	Average	ND	ND	ND	ND	ND	ND	ND	and grapes
					Range	ND	ND	ND	ND	ND	ND	ND	
Chlordane	ppt	100	30	100	Average	ND	ND	ND	ND	ND	ND	ND	Residue of banned insecticide
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops,
2,4-D	ppb	70	20	10	Average	ND	ND	ND	ND	ND	ND	ND	rangeland, lawns, and aquatic weeds
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on rights-of-way,
Dalapon	ppb	200	790	10	Average	ND	ND	ND	ND	ND	ND	ND	crops, and landscapes
Dibromochloropropane					Range	ND	ND	ND	ND	ND	ND	ND	Banned nematocide that may still be present
(DBCP)	ppt	200	1.7	10	Average	ND	ND	ND	ND	ND	ND	ND	in soils
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on soybeans,
Dinoseb	ppb	7	14	2	Average	ND	ND	ND	ND	ND	ND	ND	vegetables, and fruits
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used for terrestrial
Diquat	ppb	20	15	4	Average	ND	ND	ND	ND	ND	ND	ND	and aquatic weeds
	l .	400			Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used for terrestrial
Endothall	ppb	100	94	45	Average	ND	ND	ND	ND	ND	ND	ND	and aquatic weeds
For data			4.0	0.4	Range	ND	ND	ND	ND	ND	ND	ND	Desidue of house discontinue and and admitted
Endrin	ppb	2	1.8	0.1	Average	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Residue of banned insecticide and rodenticide
Ethylene Dibromide (EDB)	nnt	50	10	20	Range Average	ND ND	ND	ND	ND	ND ND	ND	ND ND	Petroleum refinery discharges; underground gas tank leaks
(EDB)	ppt	50	10	20	Range	ND	ND	ND ND	ND	ND	ND	ND	gas tarik leaks
Glyphosate	ppb	700	900	25	Average	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide use
Clypriosate	ррь	700	300	20	Range	ND	ND	ND ND	ND	ND	ND	ND	Transit from fierbicide use
Heptachlor	ppt	10	8	10	Average	ND	ND	ND	ND	ND	ND	ND	Residue of banned insecticide
rioptaeriiei	ppi	10	Ŭ	10	Range	ND	ND	ND	ND	ND	ND	ND	Treestage of Barried medicine
Heptachlor Epoxide	ppt	10	6	10	Average	ND	ND	ND	ND	ND	ND	ND	Breakdown product of heptachlor
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide used on cattle,
Lindane	ppt	200	32	200	Average	ND	ND	ND	ND	ND	ND	ND	lumber, and gardens
					Range	ND	ND	ND	ND	ND	ND	ND	
Methoxychlor	ppb	30	0.09	10	Average	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide uses
					Range	ND	ND	ND	ND	ND	ND	ND	-
Molinate (Ordram)	ppb	20	1	2	Average	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from herbicide used on rice
					Range	ND	ND	ND	ND	ND	ND	ND	
Oxamyl (Vydate)	ppb	50	26	20	Average	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide uses
					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from wood preserving factories
Pentachlorophenol	ppb	1	0.3	0.2	Average	ND	ND	ND	ND	ND	ND	ND	other insecticidal and herbicidal uses
					Range	ND	ND	ND	ND	ND	ND	ND	
Picloram	ppb	500	500	1	Average	ND	ND	ND	ND	ND	ND	ND	Herbicide runoff
Polychlorinated					Range	ND	ND	ND	ND	ND	ND	ND	
Biphenyls (PCBs)	ppt	500	90	500	Average	ND	ND	ND	ND	ND	ND	ND	Runoff from landfills; discharge of waste chemicals
L					Range	ND	ND	ND	ND	ND	ND	ND	l
Simazine	ppb	4	4	1	Average	ND	ND	ND	ND	ND	ND	ND	Herbicide runoff
					Range	ND	ND	ND	ND	ND	ND	ND	
Thiobencarb	ppb	70	70	1	Average	ND	ND	ND	ND	ND	ND	ND	Runoff leaching from rice herbicide

									Source Water	‡			
						Colorad	do River		ate Project Wa		Blen	ded	
		State or Federal	PHG	State	Range	Lake	Lake	Castaic	Silverwood	Lake	Diamond Valley	Lake	
Parameter	Units	MCL	(MCLG)	DLR	Average	Havasu	Mathews	Lake	Lake	Perris	Lake	Skinner	Major Sources in Drinking Water
2,4,5-TP					Range	ND	ND	ND	ND	ND	ND	ND	
(Silvex)	ppb	50	3	1	Average	ND	ND	ND	ND	ND	ND	ND	Residue of banned herbicide
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide used on
Toxaphene	ppb	3	0.03	1	Average	ND	ND	ND	ND	ND	ND	ND	cotton and cattle
Semi-Volatile Organic C	ompou	nds											
					Range	ND	ND	ND	ND	ND	ND	ND	Leaching from water storage tank linings
Benzo(a)pyrene	ppt	200	7	100	Average	ND	ND	ND	ND	ND	ND	ND	and distribution lines
					Range	ND	ND	ND	ND	ND	ND	ND	
Di(2-ethylhexyl)adipate	ppb	400	200	5	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from chemical factories
					Range	ND	ND	ND	ND	ND	ND	ND	Chemical factory discharge; inert ingredient
Di(2-ethylhexyl)phthalate	ppb	4	12	3	Average	ND	ND	ND	ND	ND	ND	ND	in pesticides
					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal refineries & agrichemicals
Hexachlorobenzene	ppb	1	0.03	0.5	Average	ND	ND	ND	ND	ND	ND	ND	factories; wastewater chlorination reaction byproduct
Have able as a visit of the P					Range	ND	ND	ND	ND	ND	ND	ND	Dischause from the mississife to the
Hexachlorocyclopentadiene	ppb	50	2	1	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from chemical factories
2,3,7,8-TCDD		00	0.05	_	Range	ND	ND	ND	ND	ND	ND	ND	Waste incineration emissions; chemical factory
(Dioxin)	ppq	30	0.05	5	Average	ND	ND	ND	ND	ND	ND	ND	discharge
Volatile Organic Compo	unds	•		ı	_								
			0.45		Range	ND	ND	ND	ND	ND	ND	ND	Plastics factory discharge; gas tanks
Benzene	ppb	1	0.15	0.5	Average	ND	ND	ND	ND	ND	ND	ND	and landfill leaching
0 1 7 1 11 11			400		Range	ND	ND	ND	ND	ND	ND	ND	Discharge from chemical plants and other industrial
Carbon Tetrachloride	ppt	500	100	500	Average	ND	ND	ND	ND	ND	ND	ND	waste
4.0 00:11		000	000	0.5	Range	ND	ND	ND	ND	ND	ND	ND	Brad and for a fact of a fact of a section of
1,2-Dichlorobenzene	ppb	600	600	0.5	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
4.4.65.11		_		0.5	Range	ND	ND	ND	ND	ND	ND	ND	Brad and for a fact of a fact of a section of
1,4-Dichlorobenzene	ppb	5	6	0.5	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
4.4 Diablamathana		5	3	0.5	Range	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	Futuration and demonstrate actions to the second
1,1-Dichloroethane	ppb	5	3	0.5	Average	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	Extraction and degreasing solvent; fumigant
1.2 Diobloroothono	nnt	500	400	500	Range	ND	ND	ND	ND	ND	ND	ND ND	Discharge from industrial chamical factories
1,2-Dichloroethane	ppt	500	400	500	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND	Discharge from industrial chemical factories
1,1-Dichloroethylene	ppb	6	10	0.5		ND	ND	ND	ND	ND ND	ND	ND	Discharge from industrial chemical factories
1,1-Dichioroethylerie	ррь	0	10	0.5	Average Range	ND	ND ND	ND ND	ND ND	ND	ND ND	ND	Industrial chemical factory discharge;
cis-1,2-Dichloroethylene	ppb	6	100	0.5	Average	ND	ND	ND	ND	ND	ND	ND	byproduct of TCE and PCE biodegradation
C/S-1,2-Dichioroethylene	ррь		100	0.5	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharge;
trans -1,2-Dichloroethylene	ppb	10	60	0.5	Average	ND	ND	ND	ND	ND	ND	ND	byproduct of TCE and PCE biodegradation
Dichloromethane	ррь	10	00	0.5	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from pharmaceutical
(Methylene Chloride)	ppb	5	4	0.5	Average	ND	ND	ND	ND	ND	ND	ND	and chemical factories
(Methylene offichae)	ррь	Ŭ	-	0.0	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharge;
1,2-Dichloropropane	ppb	5	0.5	0.5	Average	ND	ND	ND	ND	ND	ND	ND	primary component of some fumigants
, =::::::::::::::::::::::::::::::::::::		† Ť	0		Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from nematocide used on
1,3-Dichloropropene	ppt	500	200	500	Average	ND	ND	ND	ND	ND	ND	ND	croplands
,					Range	ND	ND	ND	ND	ND	ND	ND	Petroleum refinery discharges; industrial
Ethylbenzene	ppb	300	300	0.5	Average	ND	ND	ND	ND	ND	ND	ND	chemical factories
Methyl-tert-butyl ether					Range	ND	ND	ND	ND	ND	ND	ND	
(MTBE)	ppb	13	13	3	Average	ND	ND	ND	ND	ND	ND	ND	Gasoline discharge from watercraft engines
					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial, agricultural, and chemical
Monochlorobenzene	ppb	70	70	0.5	Average	ND	ND	ND	ND	ND	ND	ND	factories, and dry cleaners
					Range	ND	ND	ND	ND	ND	ND	ND	Rubber and plastics factories discharges;
Styrene	ppb	100	0.5	0.5	Average	ND	ND	ND	ND	ND	ND	ND	landfill leaching
					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial, agricultural, and chemical
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	Average	ND	ND	ND	ND	ND	ND	ND	factories; solvent uses
Tetrachloroethylene					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from factories, dry cleaners,
(PCE)	ppb	5	0.06	0.5	Average	ND	ND	ND	ND	ND	ND	ND	and auto shops
					Range	ND	ND	ND	ND	ND	ND	ND	
Toluene	ppb	150	150	0.5	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from petroleum and chemical refineries
				-							-		

						Source Water [‡]							
						Colorad	do River		ate Project Wa		Blen	ded	
Parameter	Units	State or Federal MCL	PHG (MCLG)	State DLR	Range Average	Lake Havasu	Lake Mathews	Castaic Lake	Silverwood Lake	Lake Perris	Diamond Valley Lake	Lake Skinner	Major Sources in Drinking Water
					Range	ND	ND	ND	ND	ND	ND	ND	
1,2,4-Trichlorobenzene	ppb	5	5	0.5	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from textile-finishing factories
					Range	ND	ND	ND	ND	ND	ND	ND	Metal degreasing site discharge; manufacture
1,1,1-Trichloroethane	ppb	200	1,000	0.5	Average	ND	ND	ND	ND	ND	ND	ND	of food wrappings
		_			Range	ND	ND	ND	ND	ND	ND	ND	
1,1,2-Trichloroethane	ppb	5	0.3	0.5	Average	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
Trichloroethylene		_			Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal degreasing sites and
(TCE)	ppb	5	1.7	0.5	Average	ND	ND	ND	ND	ND	ND	ND	other factories
Trichlorofluoromethane		450	4 200	_	Range	ND ND	ND ND	ND ND	ND ND	ND ND	ND	ND ND	Industrial factory discharge; degreasing solvent;
(Freon-11) 1,1,2-Trichloro-1,2,2-	ppb	150	1,300	5	Average	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	propellant Discharge from metal degreasing sites and other
trifluoroethane (Freon-113)		1.2	4	0.01	Range	ND	ND	ND	ND	ND ND	ND	ND ND	factories; dry cleaning solvent; refrigerant
tilluoroethane (Freon-173)	ppm	1.2	4	0.01	Average Range	ND	ND	ND ND	ND ND	ND	ND	ND	Leaching from PVC piping; plastic factory
Vinyl Chloride	ppt	500	50	500	Average	ND	ND	ND	ND	ND ND	ND	ND ND	discharge; byproduct of TCE and PCE biodegradation
viriyi Officiae	ρρι	500	30	300	Range	ND	ND	ND ND	ND ND	ND	ND ND	ND	Discharge from petroleum and chemical refineries;
Xylenes	ppm	1.750	1.8	0.0005	Average	ND	ND	ND	ND	ND	ND	ND	fuel solvent
INORGANIC CHEMICAL		1.750	1.0	0.0003	Average	ND	ND	ND	ND	ND	ND	ND	idei soiveiit
INORGANIC CITEMICAL				I	Range	ND	79	110	ND	88	ND	ND	Residue from water treatment process;
Aluminum	ppb	1,000	600	50	Average	ND	79	110	ND	88	ND	ND	natural deposits erosion
Adminum	ррь	1,000	000	30	Range	ND	ND	ND	ND	ND	ND	ND	Petroleum refinery discharges; fire retardants;
Antimony	ppb	6	20	6	Average	ND	ND	ND	ND	ND	ND	ND	solder; electronics
runnony	ррь		20		Range	2.7	2.6	4.8	6.4	2.1	2.5	2.5	Natural deposits erosion, glass and electronics
Arsenic	ppb	10	0.004	2	Average	2.7	2.6	4.8	6.4	2.1	2.5	2.5	production wastes
711001110	ppb	10	0.001		Range	ND	ND ND	ND	ND	ND	ND ND	ND	Asbestos cement pipes internal corrosion;
Asbestos (a)	MFL	7	7	0.2	Average	ND	ND	ND	ND	ND	ND	ND	natural deposits erosion
(-)		-	-		Range	128	124	ND	ND	ND	ND	122	Oil and metal refineries discharges;
Barium	ppb	1,000	2,000	100	Average	128	124	ND	ND	ND	ND	122	natural deposits erosion
		,	,		Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal refineries, aerospace,
Beryllium	ppb	4	1	1	Average	ND	ND	ND	ND	ND	ND	ND	and defense industries
,					Range	ND	ND	ND	ND	ND	ND	ND	Internal corrosion of galvanized pipes;
Cadmium	ppb	5	0.04	1	Average	ND	ND	ND	ND	ND	ND	ND	natural deposits erosion
					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from steel and pulp mills;
Chromium	ppb	50	(100)	10	Average	ND	ND	ND	ND	ND	ND	ND	natural deposits erosion
					Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits;
Chromium VI (b)	ppb	10	0.02	1	Average	ND	ND	ND	ND	ND	ND	ND	discharge from industrial waste factories
					Range	ND	ND	ND	ND	ND	ND	ND	Internal corrosion of household pipes;
Copper (c)	ppm	AL = 1.3	0.3	0.05	Average	ND	ND	ND	ND	ND	ND	ND	natural deposits erosion
					Range	ND	ND	ND	ND	ND	ND	ND	Discharge from steel/metal, plastic, and
Cyanide	ppb	150	150	100	Average	ND	ND	ND	ND	ND	ND	ND	fertilizer factories
Fluoride					Range	0.3	0.3	0.2	0.2	0.1–0.2	0.1	0.3	Erosion of natural deposits; discharge from
(naturally-occurring)	ppm	2.0	1	0.1	Average	0.3	0.3	0.2	0.2	0.2	0.1	0.3	fertilizer and aluminum factories
					Range	ND	ND	ND	ND	ND	ND	ND	House pipes internal corrosion;
Lead (c)	ppb	AL = 15	0.2	5	Average	ND	ND	ND	ND	ND	ND	ND	erosion of natural deposits
		_			Range	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits; factory discharge;
Mercury	ppb	2	1.2	1	Average	ND	ND	ND	ND	ND	ND	ND	landfill runoff
					Range	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits; discharge from
Nickel	ppb	100	12	10	Average	ND ND 0.4	ND	ND 0.5.00	ND ND 0.0	ND	ND	ND	metal factories
Nitanata (na Nitana and Cin		40	40	0.4	Range	ND-0.4	ND	0.5-0.9	ND-0.9	ND	ND	ND	Runoff and leaching from fertilizer use; septic tank
Nitrate (as Nitrogen) (d)	ppm	10	10	0.4	Average	ND	ND	0.7	0.4	ND	ND	ND	and sewage; natural deposits erosion
APPER CONTRACTOR		,	,		Range	ND	ND	ND	ND	ND	ND	ND	Runoff and leaching from fertilizer use; septic tank
Nitrite (as Nitrogen)	ppm	1	1	0.4	Average	ND	ND	ND	ND	ND	ND	ND	and sewage; natural deposits erosion
Danahlanata (a)			_	_	Range	ND	ND	ND	ND	ND	ND	ND	la direttial constantia di sala sana
Perchlorate (e)	ppb	6	1	4	Average	ND	ND	ND	ND	ND	ND	ND	Industrial waste discharge
O a la rationa		F.	00	_	Range	ND	ND	ND	ND	ND	ND	ND	Refineries, mines, and chemical
Selenium	ppb	50	30	5	Average	ND	ND	ND	ND	ND	ND	ND	waste discharge; runoff from livestock lots

						Source Water [‡]							
						Colorac	lo River		ate Project Water		Rlei	nded	
Parameter	Units	State or Federal MCL	PHG (MCLG)	State DLR	Range Average	Lake Havasu	Lake Mathews	Castaic Lake	Silverwood Lake	Lake Perris	Diamond Valley Lake	Lake Skinner	Major Sources in Drinking Water
			(020)		Range	ND	ND	ND	ND	ND	ND	ND	Leaching from ore processing; electronics
Thallium	ppb	2	0.1	1	Average	ND	ND	ND	ND	ND	ND	ND	factory discharge
RADIOLOGICALS (f)													, ,
Gross Alpha					Range	ND-3	ND-4	ND-5	ND-4	ND	ND	ND-6	
Particle Activity	pCi/L	15	(0)	3	Average	ND	3	ND	3	ND	ND	ND	Erosion of natural deposits
Gross Beta					Range	4–6	4–6	ND-4	ND	ND-4	ND	ND-5	
Particle Activity	pCi/L	50 (g)	(0)	4	Average	6	5	ND	ND	ND	ND	ND	Decay of natural and man-made deposits
					Range	ND	ND	ND	ND	ND	ND	ND	
Radium-226	pCi/L	NA	0.05	1	Average	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits
					Range	ND	ND	ND	ND	ND	ND	ND	
Radium-228	pCi/L	NA	0.019	1	Average	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits
Combined					Range	ND	ND	ND	ND	ND	ND	ND	
Radium-226 + 228	pCi/L	5	(0)	NA	Average	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits
					Range	ND	ND	ND	ND	ND	ND	ND	
Strontium-90	pCi/L	8	0.35	2	Average	ND	ND	ND	ND	ND	ND	ND	Decay of natural and man-made deposits
					Range	ND	ND	ND	ND	ND	ND	ND	
Tritium	pCi/L	20,000	400	1,000	Average	ND	ND	ND	ND	ND	ND	ND	Decay of natural and man-made deposits
	0:"		0.40		Range	2–3	2–3	2–3	2–4	2	1	2–3	
Uranium	pCi/L	20	0.43	1	Average	2	3	2	3	2	1	2	Erosion of natural deposits
SECONDARY STAN	DARDS-	-Aesthetic	Standar	ds (for re									
			222		Range	ND	79	110	ND	88	ND	ND	Residue from water treatment process;
Aluminum	ppb	200	600	50	Average	ND	79	110	ND	88	ND	ND	natural deposits erosion
0.1					Range	90–95	91–97	84–85	67–92	94–102	75–80	91–97	Runoff/leaching from natural deposits;
Chloride	ppm	500	NA	NA	Average	92	94	85	80	98	78	94	seawater influence
Color	Color	15	NIA	NIA	Range	3–4	2	4–5	3–9 6	4–7 6	2–3	1–3	Noturally accurring argania materials
Color	Units	15	NA	NA	Average Range	4 ND	ND	4 ND	ND	ND	3 ND	2 ND	Naturally-occurring organic materials Internal corrosion of household pipes; natural
Copper (a)	nnm	1.0	0.3	0.05	Average	ND	ND	ND	ND	ND	ND	ND	deposits erosion; wood preservatives leaching
Copper (c) Foaming Agents	ppm	1.0	0.3	0.05	Range	ND	60	ND	60	70	ND	ND	deposits erosion, wood preservatives leaching
(MBAS)	ppb	500	NA	NA	Average	ND	60	ND	60	70	ND	ND	Municipal and industrial waste discharges
(IVIDAO)	ррь	300	INA	INA	Range	ND	ND	140	ND	100	ND	ND	indificipal and industrial waste discharges
Iron	ppb	300	NA	100	Average	ND	ND	140	ND	100	ND	ND	Leaching from natural deposits; industrial wastes
	ppo	000	1471	100	Range	ND	ND	ND	25	ND	ND	ND	Ecoconing from Flattarar doposito, inductrial wastee
Manganese	ppb	50	NL = 500	20	Average	ND	ND	ND	25	ND	ND	ND	Leaching from natural deposits
a.iga.iooo	PP-	- 00	000		Range	ND	ND	ND	ND	ND	ND	ND	2000 mily norm material doposito
MTBE	ppb	5	13	3	Average	ND	ND	ND	ND	ND	ND	ND	Gasoline discharge from watercraft engines
					Range	7	7	6	6	4	12	7	
Odor Threshold	TON	3	NA	1	Average	7	7	6	6	4	12	7	Naturally-occurring organic materials
					Range	ND	ND	ND	ND	ND	ND	ND	, , ,
Silver	ppb	100	NA	10	Average	ND	ND	ND	ND	ND	ND	ND	Industrial discharges
					Range	1,020-1,030	1,010-1,030	638	545-627	625-664	566-582	1,000-1,020	Substances that form ions in water;
Specific Conductance	μS/cm	1,600	NA	NA	Average	1,020	1,020	638	586	645	574	1,010	seawater influence
					Range	240–249	238–250	81–87	73	67–69	67–72	238–251	Runoff/leaching from natural deposits;
Sulfate	ppm	500	NA	0.5	Average	245	244	84	73	68	70	245	industrial wastes
					Range	ND	ND	ND	ND	ND	ND	ND	
Thiobencarb	ppb	1	70	1	Average	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from rice herbicide
Total Dissolved Solids					Range	646–662	642–650	365–375	309–356	347–367	316–330	650-652	Runoff/leaching from natural deposits;
(TDS)	ppm	1,000	NA	NA	Average	654	646	370	333	357	323	651	seawater influence
L					Range	0.52-0.73	0.87-0.99	2.1–7.8	1.0–1.1	1.3–2.1	0.48-0.52	0.45-0.56	
Turbidity	NTU	5	NA	0.1	Average	0.63	0.93	5.0	1.0	1.7	0.50	0.51	Soil runoff
_					Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits;
Zinc	ppm	5.0	NA	0.05	Average	ND	ND	ND	ND	ND	ND	ND	industrial wastes

				-			_		Source Water				
						Colorad	lo River		ate Project Wa		Blei	nded	
		State or									Diamond		
		Federal	PHG	State	Range	Lake	Lake	Castaic	Silverwood	Lake	Valley	Lake	
Parameter	Units	MCL	(MCLG)	DLR	Average	Havasu	Mathews	Lake	Lake	Perris	Lake	Skinner	Major Sources in Drinking Water
OTHER PARAMETERS	S (for re	eference d	only)										
MICROBIOLOGICAL													
Total Coliform	CFU/				Range	30-13,000	2-47,000	NC	21–12,000	120-4,200	5-540	130-27,000	
Bacteria (i)	100 ml	NA	NA	NA	Median	590	690	NC	160	610	110	960	Naturally present in the environment
	CFU/				Range	ND-2	ND-75	NC	ND-7	ND-340	ND-3	ND-4	
E. coli (i)	100 ml	NA	NA	NA	Median	ND	5	NC	2	1	ND	1	Human and animal fecal waste
CHEMICAL													
					Range	134–135	126–131	92	77–88	87–92	86–90	127–131	
Alkalinity (as CaCO ₃)	ppm	NA	NA	NA	Average	135	129	92	83	90	88	129	
					Range	130	130	240	210	200	150	130	Runoff/leaching from natural deposits;
Boron	ppb	NL = 1,000	NA	100	Average	130	130	240	210	200	150	130	industrial wastes
					Range	78–82	76–79	35–36	28–29	28–29	28–33	76–79	
Calcium	ppm	NA	NA	NA	Average	80	78	36	29	29	31	78	
					Range	298–304	294–298	132–134	98–120	127–128	128–140	292–298	
Hardness (as CaCO ₃)	ppm	NA	NA	NA	Average	301	296	133	109	128	134	295	
					Range	25	25–26	9.0–11	6.0–11	13	14	25–26	
Magnesium	ppm	NA	NA	NA	Average	25	26	10	8.5	13	14	26	
	pН				Range	8.2–8.3	8.2–8.3	7.6–7.7	8.3–8.7	8.3–8.4	8.2–8.8	8.2-8.3	
pН	Units	NA	NA	NA	Average	8.2	8.2	7.6	8.5	8.3	8.5	8.2	
					Range	4.6–4.9	4.7–5.0	2.4-2.9	2.0–3.2	3.1–3.2	3.6–3.8	4.6–4.9	
Potassium	ppm	NA	NA	NA	Average	4.8	4.9	2.7	2.6	3.2	3.7	4.8	
5	0:#			400	Range	ND	ND	ND	ND	ND	ND	ND	
Radon (f)	pCi/L	NA	NA	100	Average	ND	ND	ND	ND	ND	ND	ND	
O. B.					Range	88–104	89–105	74–76	70–84	74–80	59–66	89–106	
Sodium	ppm	NA	NA	NA	Average	96 3.1–3.4	97 3.2–3.3	75 2.0–2.9	77	77 3.6–3.7	63 2.9–3.2	98 3.1–3.2	
Total Organic Carbon (TOC)		TT	NA	0.30	Range	3.1-3.4	3.2-3.3	2.0-2.9	1.9–3.7 2.8	3.6	3.0	3.1–3.2	Various natural and man made sources
Total Organic Carbon (TOC)	ppm	11	INA	0.30	Average Range	ND	3.2	8.1	9.6	4.2	ND	ND	Various natural and man-made sources
Vanadium	ppb	NL = 50	NA	3	Average	ND	3.0	8.1	9.6	4.2	ND	ND	Naturally-occurring; industrial waste discharge
Dichlorodifluoromethane	ppb	INL = 50	INA	3	Range	ND	ND	ND	9.0 ND	ND	ND	ND	Naturally-occurring, industrial waste discriarge
(Freon 12)	ppb	NL = 1,000	NA	0.5	Average	ND	ND	ND	ND	ND	ND	ND	Industrial waste discharge
Ethyl- <i>tert</i> -butyl ether	ppu	INL = 1,000	INA	0.5	Range	ND ND	ND	ND	ND	ND	ND	ND	industrial waste discriarge
(ETBE)	ppb	NA	NA	3	Average	ND	ND	ND	ND	ND	ND	ND	Used as gasoline additive
tert-Amyl-methyl ether	ppp	INA	INA	3	Range	ND	ND	ND	ND	ND	ND	ND	osca as gasonine additive
(TAME)	ppb	NA	NA	3	Average	ND	ND	ND	ND	ND	ND	ND	Used as gasoline additive
tert-Butyl alcohol	PPP	14/1	14/1		Range	ND	ND	ND	ND	ND	ND	ND	MTBE breakdown product; used as gasoline
-	nnh	NI - 12	NΔ	2		ND	ND	ND	ND	ND	ND	ND	, ,
(TBA)	ppb	NL = 12	NA	2	Average	ND	ND	ND	ND	ND	ND	ND	additive

						Source Water [‡]							
						Colorad	lo River	Sta	ate Project Wa	ater	Blen	nded	
		State or									Diamond		
		Federal	PHG	State	Range	Lake	Lake	Castaic	Silverwood	Lake	Valley	Lake	
Parameter	Units	MCL	(MCLG)	DLR	Average	Havasu	Mathews	Lake	Lake	Perris	Lake	Skinner	Major Sources in Drinking Water

ABBREVIATIONS AND FOOTNOTES

Abbreviations

AL	Action Level	NL	Notification Level
CaCO ₃	Calcium Carbonate	NTU	Nephelometric Turbidity Units
CFU	Colony-Forming Units	pCi/L	picoCuries per Liter
DDW	Division of Drinking Water	PHG	Public Health Goal
DLR	Detection Limits for Purposes of Reporting	ppb	parts per billion or micrograms per liter (μg/L)
MBAS	Methylene Blue Active Substances	ppm	parts per million or milligrams per liter (mg/L)
MCL	Maximum Contaminant Level	ppq	parts per quadrillion or picograms per liter (pg/L)
MCLG	Maximum Contaminant Level Goal	ppt	parts per trillion or nanograms per liter (ng/L)
MFL	Million Fibers per Liter	TT	Treatment Technique is a required process intended to reduce the level
NA	Not Applicable		of a contaminant in drinking water
NC	Not Collected	μS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)
ND	Not Detected		

Footnotes

- (a) Data are from samples collected in 2011 and reported once every nine-year compliance cycle until the next samples are collected.
- (b) 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 and below the DLR are reported as ND in this report. These are available upon request.
- (c) As a wholesaler, Metropolitan is not required to collect samples at the consumers' tap under the Lead and Copper Rule. Results are based from annual compliance monitoring.
- (d) State MCL is 45 ppm as nitrate, which equals 10 ppm as N.

- (e) Metropolitan's perchlorate reporting level is 0.1 ppb, which is below the state DLR of 4 ppb. Data above Metropolitan's reporting level and below the DLR are reported as ND in this report. These are available upon request.
- (f) 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.
- (g) DDW considers 50 pCi/L to be the level of concern for beta particles.
- (h) State Secondary Standards apply to water supplied to the public by community water systems; annual monitoring is required for approved surface water sources or distribution system entry points of the effluent of source water treatment.
- (i) Reporting level is 1 CFU/100 ml for total coliform and E. coli.

[‡] As a wholesale water system, Metropolitan provides its member agencies with relevant source water information and monitoring results that they may need for their annual water quality report. Metropolitan's compliance with state or federal regulations is determined at the treatment plant effluent locations and/or distribution system, or plant influent as noted.

						Treatment Plant Influent [‡]			luent [‡]		
		State or									
Parameter	Units	Federal MCL	PHG (MCLG)	State DLR	Range Average	Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant	Major Sources in Drinking Water
Percent State	Units	IVICE	(IVICEG)	DLK	Range	0	0	100	0–6	100	Major Sources in Drinking Water
Project Water	%	NA	NA	NA	Average	0	0	100	3	100	
PRIMARY STANDARDS-						rence only	except as	noted)			
MICROBIOLOGICAL (Based		pproved c	omplianc	e monito							
Total Coliform	CFU/ 100 ml	NA	NA	NA	Range Median	ND-16,000 25	ND-29,000 15	83–7,500 310	110–10,000 870	51–1,200 210	Noticeally present in the environment
Bacteria (a)	CFU/	INA	INA	INA	Range	ND	ND-1	ND-2	ND-2	ND-30	Naturally present in the environment
E. coli (a)	100 ml	NA	NA	NA	Median	ND	ND	ND	1	1	Human and animal fecal waste
INORGANIC CHEMICALS											
					Range	ND	ND	110	ND	ND	Residue from water treatment process;
Aluminum	ppb	1,000	600	50	Average	ND	ND	110 ND	ND	ND	natural deposits erosion
Antimony	ppb	6	20	6	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Petroleum refinery discharges; fire retardants; solder; electronics
Antimony	ррь	0	20	0	Range	2.5	2.5	4.8	2.5	6.1	Natural deposits erosion, glass and electronics
Arsenic	ppb	10	0.004	2	Average	2.5	2.5	4.8	2.5	6.1	production wastes
					Range	128	126	ND	122	ND	Oil and metal refineries discharges;
Barium	ppb	1,000	2,000	100	Average	128	126	ND	122	ND	natural deposits erosion
Beryllium	ppb	4	1	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Discharge from metal refineries, aerospace, and defense industries
Beryllium	рри	4	ı	ı	Range	ND	ND	ND	ND	ND	Internal corrosion of galvanized pipes;
Cadmium	ppb	5	0.04	1	Average	ND	ND	ND	ND	ND	natural deposits erosion
					Range	ND	ND	ND	ND	ND	Discharge from steel and pulp mills;
Chromium	ppb	50	(100)	10	Average	ND	ND	ND	ND	ND	natural deposits erosion
Chromium VI (b)	ppb	10	0.02	1	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Runoff/leaching from natural deposits; discharge from industrial waste factories
Chromani Vi (b)	рри	10	0.02	ı	Range	ND	ND ND	ND	ND	ND	Internal corrosion of household pipes;
Copper (c)	ppm	AL = 1.3	0.3	0.05	Average	ND	ND	ND	ND	ND	natural deposits erosion
Fluoride					Range	0.2-0.4	0.3-0.4	0.2	0.2-0.4	0.1-0.2	Erosion of natural deposits; discharge from
(naturally-occurring)	ppm	2.0	1	0.1	Average	0.3	0.3	0.2	0.3	0.2	fertilizer and aluminum factories
Load (a)	nnh	AL = 15	0.2	5	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	House pipes internal corrosion; erosion of natural deposits
Lead (c)	ppb	AL = 13	0.2	3	Range	ND	ND ND	ND	ND	ND	Erosion of natural deposits; factory discharge;
Mercury	ppb	2	1.2	1	Average	ND	ND	ND	ND	ND	landfill runoff
					Range	ND	ND	ND	ND	ND	Erosion of natural deposits; discharge from
Nickel	ppb	100	12	10	Average	ND	ND	ND	ND	ND	metal factories
Parablarata (d)	nnh	6	1	4	Range	ND ND	ND ND	ND ND	ND ND	ND ND	Industrial wasta disabarga
Perchlorate (d)	ppb	0	1	4	Average Range	ND ND	ND ND	ND ND	ND ND	ND ND	Industrial waste discharge Refineries, mines, and chemical
Selenium	ppb	50	30	5	Average	ND	ND	ND	ND	ND	waste discharge; runoff from livestock lots
					Range	ND	ND	ND	ND	ND	Leaching from ore processing; electronics
Thallium	ppb	2	0.1	1	Average	ND	ND	ND	ND	ND	factory discharge
SECONDARY STANDAR	DS—Aesti	netic Star	idards (fo	or refere			ND	140	ND	VID.	Decidus from water treatment pro-
Aluminum	ppb	200	600	50	Range Average	ND ND	ND ND	110 110	ND ND	ND ND	Residue from water treatment process; natural deposits erosion
/ warminum	Phn	200	000	30	Range	ND	ND	ND	ND	ND	Internal corrosion of household pipes; natural
Copper (c)	ppm	1.0	0.3	0.05	Average	ND	ND	ND	ND	ND	deposits erosion; wood preservatives leaching
		_			Range	ND	ND	140	ND	ND	
Iron	ppb	300	NA	100	Average	ND	ND	140	ND	ND	Leaching from natural deposits; industrial wastes
Manganese	ppb	50	NL = 500	20	Range Average	ND ND	ND ND	ND ND	ND ND	ND ND	Leaching from natural deposits
iviai igai iese	ppu	30	INL - 300	20	Range	ND	ND ND	ND	ND	ND	Leading nom natural deposits
Silver	ppb	100	NA	10	Average	ND	ND	ND	ND	ND	Industrial discharges
					Range	NC	NC	612–623	1,020	566-641	Substances that form ions in water;
Specific Conductance	μS/cm	1,600	NA	NA	Average	NC	NC	618	1,020	604	seawater influence

						Treatment Plant Influent [‡]					
Parameter	Units	State or Federal MCL	PHG (MCLG)	State DLR	Range Average	Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant	Major Sources in Drinking Water
			,		Range	1.0-1.1	0.90-0.95	2.1-7.8	0.50	0.58-0.97	, i
Turbidity	NTU	5	NA	0.1	Average	1.1	0.92	5.0	0.50	0.78	Soil runoff
					Range	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits;
Zinc	ppm	5.0	NA	0.05	Average	ND	ND	ND	ND	ND	industrial wastes
LONG TERM 2 ENHANCED SURFACE WATER TREATMENT RULE (LT2ESWTR) (f)											
	oocysts/				Range	ND	ND	ND	ND	ND	
Cryptosporidium	10 L	TT	(0)	NA	Average	ND	ND	ND	ND	ND	Human and animal fecal waste
	CFU/				Range	ND	ND-1	ND-1	ND-8	ND-4	
E. coli	100 ml	NA	NA	NA	Average	ND	ND	ND	2	1	Human and animal fecal waste
					Range	0.56–1.1	0.60-1.5	1.2–6.1	0.27-0.60	0.62-1.9	
Turbidity	NTU	5	NA	0.1	Average	0.80	1.0	3.0	0.44	1.2	Human and animal fecal waste
OTHER PARAMETERS (f	OTHER PARAMETERS (for reference only)										
					Range	122–137	122–137	88–97	111–132	76–94	
Alkalinity (as CaCO ₃)	ppm	NA	NA	NA	Highest RAA	132	132	93	126	87	
					Range	130	120	240	130	220	Runoff/leaching from natural deposits;
Boron	ppb	NL = 1,000	NA	100	Average	130	120	240	130	220	industrial wastes
	oocysts/				Range	ND	ND	ND	ND	ND	
Cryptosporidium	10 L	TT	(0)	NA	Average	ND	ND	ND	ND	ND	Human and animal fecal waste
	cysts/				Range	ND	ND	ND	ND	ND	
Giardia	10 L	TT	(0)	NA	Average	ND	ND	ND	ND	ND	Human and animal fecal waste
					Range	296–297	293–297	132–134	286–300	98–112	
Hardness (as CaCO ₃)	ppm	NA	NA	NA	Average	297	295	133	293	105	
	pН				Range	8.3–8.4	8.2–8.3	7.6–7.7	8.2–8.3	8.5–8.6	
рН	Units	NA	NA	NA	Average	8.3	8.3	7.6	8.3	8.5	
T					Range	2.9–3.5	2.9–3.4	1.7–3.0	2.8–3.4	2.1–4.2	.
Total Organic Carbon (TOC)	ppm	TT	NA	0.30	Highest RAA	3.1	3.1	2.2	3.1	3.3	Various natural and man-made sources
.,	1 .	50			Range	3.1	ND	8.1	ND	10	.
Vanadium	ppb	NL = 50	NA	3	Average	3.1	ND	8.1	ND	10	Naturally-occurring; industrial waste discharge

ABBREVIATIONS AND FOOTNOTES

Abbreviations

AL	Action Level	NTU	Nephelometric Turbidity Units
CaCO ₃	Calcium Carbonate	PHG	Public Health Goal
CFU	Colony-Forming Units	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)
MCL	Maximum Contaminant Level	RAA	Running Annual Average; highest RAA is the highest of all
MCLG	Maximum Contaminant Level Goal		Running Annual Averages calculated as average
NA	Not Applicable		of the all samples collected within a 12-month period
NC	Not Collected	TT	Treatment Technique is a required process intended to reduce
ND	Not Detected		the level of a contaminant in drinking water
NL	Notification Level	μS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)

Footnotes

- (a) Reporting level is 1 CFU/100 ml for total coliform and E. coli. Values are based on monthly median per State guidelines and recommendations.
- (b) 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 and below the DLR are reported as ND in this report. These are available upon request.
- (c) As a wholesaler, Metropolitan is not required to collect samples at the consumers' tap under the Lead and Copper Rule. Lead and copper results are from annual compliance monitoring.
- (d) Metropolitan's perchlorate reporting level is 0.1 ppb, which is below the state DLR of 4 ppb. Data above Metropolitan's reporting level and below the DLR are reported as ND in this report. These are available upon request.
- (e) State Secondary Standards apply to water supplied to the public by community water systems; annual monitoring is required for approved surface water sources or distribution system entry points representative of the effluent of source water treatment.
- (f) Data are from samples collected during the second round of LT2ESWTR required monitoring of Cryptosporidium and E. coli in the plant influent from April 2015 to December 2015.

[‡] As a wholesale water system, Metropolitan provides its member agencies with relevant source water information and monitoring results that they may need for their annual water quality report. Metropolitan's compliance with state or federal regulations is determined at the treatment plant effluent locations and/or distribution system, or plant influent as noted.