FOOTHILL
MUNICIPAL
WATER DISTRICT

CONSUMER CONFIDENCE REPORT

2025

Quality Water. Reliable Service.
Cost Efficient. Climate Friendly.

Foothill Municipal Water District(FMWD)
2025 WATER QUALITY REPORT TO FMWD MEMBER AGENCIES

WEYMOUTH refers to the Metropolitan Water District's Weymouth Water Treatment Plant in the city of La Verne.
FM-1 refers to the FMWD-Metropolitan Water District connection in the city of Pasadena.

		WEYMOUTH EFFLUENT Range/Average	FM-1	REGULATORY STANDARDS State (Federal) MCL	PHG	State DLR (RL)	Major Sources in Drinking Water
SOURCE WATER							
% of State Project Water % of Groundwater		0-100/68		NA	NA	NA	
PRIMARY STANDARDS - Mandatory Health-Related Standards							
CLARITY							
Combined Filter Effluent (CFE) Turbidity (a)	NTU % ≤ 0.3	**0.06 (highest)** **100%**	***NA***	**TT**	**NA**	**NA**	Soil runoff
MICROBIOLOGICAL (b)							
Total Coliform Bacteria (c)	% Positive	**0-0.3/0.1%** distribution system-wide	***0.0%***	**5.0**	**MCLG = 0**	**NA**	Naturally present in the environment
Escherichia coli (E. coli)(c,d)	Number	**0%** distribution system-wide	***0.0%***	**1**	**MCLG = 0**	**NA**	Human and animal fecal waste
Heterotrophic Plate Count (e)	CFU/ mL	**ND**	***ND***	**TT**	**NA**	**(1)**	Naturally present in the environment
Cryptosporidium	Oocyst 200 L	**ND**	***ND***	**TT**	**MCLG = 0**	**(1)**	Human and animal fecal waste
Giardia	Cysts 200 L	**ND**	***ND***	**TT**	**MCLG = 0**	**(1)**	Human and animal fecal waste
INORGANIC CHEMICALS							
Nitrite (as Nitrogen)	ppm	**ND**	***ND***	**1**	**1**	**0.4**	Runoff & leaching from fertilizer use; septic tank and sewage; erosion of natural deposits
DISINFECTION BY-PRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BY-PRODUCTS PRECURSORS (m)							
Total Trihalomethanes (TTHM)	ppb	**24-30/9.8-55** Distribution system-wide (i)	***24-30***	**80**	**NA**	**1**	By-product of drinking water disinfection
Sum of Five Haloacetic Acids (HAA5)	ppb	**ND-4.9/ND-18** Distribution system-wide (i)	***2.4-6.8***	**60**	**NA**	**1**	By-product of drinking water disinfection
Total Chlorine Residual	ppm	**1.1-3.1/2.6** highest RAA Distribution system-wide	***2.0-2.8***	**[4.0]**	**[4.0]**	**NA**	Drinking water disinfectant added for treatment

DEFINITION OF TERMS AND FOOTNOTES

Footnotes

(a) FMWD recieves 100% of water from the Metropolitan Water District of Southern California's Weymouth Treatment Plant.

(b) Per the State's Surface Water Treatment Rule, treatment techniques that remove or inactivate *Giardia* cysts will also remove HPC bacteria, *Legionella,* and viruses. *Legionella* and virus monitoring is not required.

(c) Compliance is based on monthly samples from treatment plant effluents and the distribution system.

(d) The MCL for *E. coli* is based on any of the following conditions: Coliform-positive routine and repeat samples with either of them positive for *E. coli*; failure to analyze a repeat sample following an *E. coli*-positive routine sample; or a coliform-positive repeat sample is not tested for the presence of *E. coli*.

(e) All distribution system samples had detectable total chlorine residuals, so no HPC analysis was required. Metropolitan monitors HPC bacteria to ensure treatment process efficacy.

(m) Compliance with the State and Federal MCLs is based on RAA or LRAA, as appropriate. Plant core locations for TTHM and HAA5 are service connections specific to each of the treatment plant effluents.

revised 6/2/2026

2025 Water Quality Report to Member Agencies—The Metropolitan Water District of Southern California
Source Waters (Public Water System Identification Number: 1910087)

Parameter	Units	Range Average	Source Water *							Major Sources in Drinking Water
			Diamond Valley Lake	Lake Skinner	Lake Havasu	Lake Mathews	Castaic Lake	Lake Perris	Silverwood Lake	
Percent State Water Project	%	Range	100	0 - 53	0	0	100	100	100	Not applicable
ORGANIC CHEMICALS										
Synthetic Organic Compounds (a)										
1,2,3-Trichloropropane (1,2,3-TCP)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial and agrichemical factories; byproduct of producing other compounds and pesticides; leaching from hazardous waste sites
		Average								
2,4,5-TP (Silvex)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Residue of banned herbicide
		Average								
2,4-D	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops, rangeland, lawns, and aquatic weeds
		Average								
Alachlor	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops
		Average								
Atrazine	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on row crops and along railroad and highway right-of-ways
		Average								
Bentazon	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
		Average								
Benzo(a)pyrene	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Leaching from water storage tank linings and distribution lines
		Average								
Carbofuran	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Leaching of soil fumigant used on rice, alfalfa, and grape vineyards
		Average								
Chlordane	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Residue of banned insecticide
		Average								
Dalapon	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on right-of-ways, and crops and landscape maintenance
		Average								
Di(2-ethylhexyl)adipate	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from chemical factories
		Average								
Di(2-ethylhexyl)phthalate	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from rubber and chemical factory; inert ingredient in pesticides
		Average								
Dibromochloropropane (DBCP)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Banned nematocide that may still be present in soils due to runoff/leaching
		Average								
Dinoseb	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used on soybeans, vegetables, and fruits
		Average								
Dioxin (2,3,7,8-TCDD)	ppq	Range	ND	ND	ND	ND	ND	ND	ND	Waste incineration emissions; chemical factory discharge
		Average								
Diquat	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used for terrestrial and aquatic weeds
		Average								
Endothall	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide used for terrestrial and aquatic weeds
		Average								
Endrin	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Residue of banned insecticide and rodenticide
		Average								
Ethylene Dibromide (EDB)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Petroleum refinery discharges; underground gas tank leaks; banned nematocide that may still be present in soils due to runoff and leaching
		Average								
Glyphosate	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from herbicide use
		Average								
Heptachlor	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Residue of banned insecticide
		Average								
Heptachlor Epoxide	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Breakdown product of heptachlor
		Average								
Hexachlorobenzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal refineries and agrichemicals factories; wastewater chlorination reaction byproduct
		Average								
Hexachlorocyclopentadiene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from chemical factories
		Average								
Lindane	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide used on cattle, lumber, and gardens
		Average								
Methoxychlor	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide uses on fruits, vegetables, alfalfa, and livestock
		Average								
Molinate (Ordram)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from herbicide used on rice
		Average								
Oxamyl (Vydate)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide uses
		Average								
Pentachlorophenol	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from wood preserving factories, cotton, and other insecticidal and herbicidal uses
		Average								
Picloram	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Herbicide runoff
		Average								
Polychlorinated Biphenyls (PCBs)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Runoff from landfills; discharge of waste chemicals
		Average								

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			Diamond Valley Lake	Lake Skinner	Lake Havasu	Lake Mathews	Castaic Lake	Lake Perris	Silverwood Lake	
Simazine	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Herbicide runoff
		Average								
Thiobencarb	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from herbicide used on rice
		Average								
Toxaphene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from insecticide used on cotton and cattle
		Average								
Volatile Organic Compounds										
1,1,1-Trichloroethane	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Metal degreasing site discharge; manufacture of food wrappings
		Average								
1,1,2,2-Tetrachloroethane	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial and agrichemical factories; solvent used in production of TCE, pesticides, varnish, and lacquers
		Average								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ppm	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal degreasing sites and other factories; dry cleaning solvent; refrigerant
		Average								
1,1,2-Trichloroethane	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
		Average								
1,1-Dichloroethane	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Extraction and degreasing solvent; fumigant
		Average								
1,1-Dichloroethylene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
		Average								
1,2,4-Trichlorobenzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from textile-finishing factories
		Average								
1,2-Dichlorobenzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
		Average								
1,2-Dichloroethane	ppb	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
1,2-Dichloropropane	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharge; primary component of some fumigants
		Average								
1,3-Dichloropropene	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from nematocide used on croplands
		Average								
1,4-Dichlorobenzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial chemical factories
		Average								
Benzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Plastics factory discharge; gas tanks and landfill leaching
		Average								
Carbon Tetrachloride	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from chemical plants and other industrial waste
		Average								
cis-1,2-Dichloroethylene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharge; byproduct of TCE and PCE biodegradation
		Average								
Dichloromethane (Methylene Chloride)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from pharmaceutical and chemical factories
		Average								
Ethylbenzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Petroleum refinery discharge; industrial chemical factories
		Average								
Methyl-*tert*-butyl ether (MTBE)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Gasoline discharge from watercraft engines
		Average								
Monochlorobenzene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from industrial and agrichemical factories, and dry cleaners
		Average								
Styrene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Rubber and plastics factories discharge; landfill leaching
		Average								
Tetrachloroethylene (PCE)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from factories, dry cleaners, and auto shops
		Average								
Toluene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from petroleum and chemical refineries
		Average								
trans-1,2-Dichloroethylene	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharge; byproduct of TCE and PCE biodegradation
		Average								
Trichloroethylene (TCE)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal degreasing sites and other factories
		Average								
Trichlorofluoromethane (Freon-11)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Industrial factory discharge; degreasing solvent; propellant
		Average								
Vinyl Chloride	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Leaching from PVC piping; plastic factory discharge; byproduct of TCE and PCE biodegradation
		Average								
Xylenes, Total	ppm	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from petroleum and chemical refineries; fuel solvent
		Average								
INORGANIC CHEMICALS										
Aluminum	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Residue from water treatment process; natural deposits erosion
		Average								
Antimony	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Petroleum refinery discharges; fire retardants; solder; electronics
		Average								

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			Diamond Valley Lake	Lake Skinner	Lake Havasu	Lake Mathews	Castaic Lake	Lake Perris	Silverwood Lake	
Arsenic	ppb	Range	2.0	ND	2.3	2.1	ND	ND	ND	Natural deposits erosion, glass and electronics production wastes
		Average								
Asbestos (b)	MFL	Range	ND	ND	ND	ND	ND	ND	ND	Asbestos cement pipes internal corrosion; natural deposits erosion
		Average								
Barium	ppb	Range	ND	ND	129	128	ND	ND	ND	Oil and metal refineries discharge; natural deposits erosion
		Average								
Beryllium	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from metal refineries, aerospace, and defense industries
		Average								
Cadmium	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Internal corrosion of galvanized pipes; discharge from electroplating, industrial factories, and metal refineries; runoff from waste batteries and paints; natural deposits erosion
		Average								
Chromium	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from steel and pulp mills; natural deposits erosion
		Average								
Chromium VI	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits; discharge from industrial waste factories
		Average								
Copper	ppm	Range	ND	ND	ND	ND	ND	ND	ND	Internal corrosion of household pipes; natural deposits erosion; leaching from wood preservatives
		Average								
Cyanide	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Discharge from steel/metal, plastic, and fertilizer factories
		Average								
Fluoride	ppm	Range	0.1	0.2	0.3	0.3	0.2	0.1	ND	Erosion of natural deposits; discharge from fertilizer and aluminum factories
		Average								
Lead	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Internal corrosion of household water plumbing systems; industrial manufacturers' discharge; erosion of natural deposits
		Average								
Mercury	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits; factory discharge; landfill runoff
		Average								
Nickel	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits; discharge from metal factories
		Average								
Nitrate (as Nitrogen)	ppm	Range	ND	ND	0.6	ND	ND	ND	ND	Runoff and leaching from fertilizer use; leaching from septic tank and sewage; natural deposits erosion
		Average								
Nitrite (as Nitrogen)	ppm	Range	ND	ND	ND	ND	ND	ND	ND	Runoff and leaching from fertilizer use; septic tank and sewage; natural deposits erosion
		Average								
Perchlorate	ppb	Range	ND	ND	1.6	ND	ND	ND	ND	Industrial waste discharge
		Average								
Selenium	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Refineries, mines, and chemical waste discharge; runoff from livestock lots
		Average								
Thallium	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Leaching from ore processing; discharge from electronics, glass, and pharmaceutical factories
		Average								
RADIOLOGICALS (c)										
Gross Alpha Particle Activity	pCi/L	Range	ND - 6.1	ND - 3.6	ND - 6.2	ND - 3.2	ND - 3.1	ND - 3.2	ND - 5.0	Erosion of natural deposits
		Average	ND	ND	ND	ND	ND	ND	ND	
Gross Beta Particle Activity	pCi/L	Range	ND	ND - 4.5	4.9 - 7.4	ND - 5.3	ND - 4.2	ND	ND	Decay of natural and man-made deposits
		Average		ND	5.7	ND	ND			
Radium-226	pCi/L	Range	ND	ND	ND	ND	ND	ND	ND	Erosion of natural deposits
		Average								
Radium-228	pCi/L	Range	ND	ND	ND	ND	ND - 1	ND	ND	
		Average					ND			
Combined Radium-226 + 228	pCi/L	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Strontium-90	pCi/L	Range	ND	ND	ND	ND	ND	ND	ND	Decay of natural and man-made deposits
		Average								
Tritium	pCi/L	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Uranium	pCi/L	Range	ND	1.5 - 3.1	2.6 - 3.0	2.8 - 3.1	2.5 - 3.7	1.6 - 2.0	ND - 3.0	Erosion of natural deposits
		Average		2.4	2.9	2.9	3.0	1.8	1.4	
AESTHETIC PARAMETERS (d)										
Aluminum	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Residual from some surface water treatment processes; erosion of natural deposits
		Average								
Chloride	ppm	Range	59 - 63	79 - 85	97 - 98	101 - 102	43 - 48	69 - 70	46 - 53	Runoff/leaching from natural deposits; seawater influence
		Average	61	82	98	102	46	70	50	
Color	Color Units	Range	2 - 5	3 - 5	3	2 - 3	5 - 10	5	10	Naturally-occurring organic materials
		Average	4	4		2	8			
Copper	ppm	Range	ND	ND	ND	ND	ND	ND	ND	Internal corrosion of household pipes; natural deposits erosion; wood preservatives leaching
		Average								
Foaming Agents - Methylene Blue Active Substances (MBAS)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Municipal and industrial waste discharges
		Average								

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Parameter	Units	Range Average	Source Water *							Major Sources in Drinking Water
			Diamond Valley Lake	Lake Skinner	Lake Havasu	Lake Mathews	Castaic Lake	Lake Perris	Silverwood Lake	
Iron	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Leaching from natural deposits; industrial wastes
		Average								
Manganese	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Leaching from natural deposits
		Average								
MTBE	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Gasoline discharge from watercraft engines
		Average								
Odor Threshold	TON	Range	4	5	12	4	2	6	4	Naturally-occurring organic materials
		Average								
Silver	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Industrial discharges
		Average								
Specific Conductance	µS/cm	Range	443 - 450	763 - 810	989 - 1,010	990 - 1,030	465 - 477	499 - 508	316 - 396	Substances that form ions in water; seawater influence
		Average	446	786	1,000	1,010	471	504	356	
Sulfate	ppm	Range	41 - 44	147 - 156	217 - 225	221 - 229	58 - 72	40 - 41	15 - 29	Runoff/leaching from natural deposits; industrial wastes
		Average	42	152	221	225	65	40	22	
Thiobencarb	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from rice herbicide
		Average								
Total Dissolved Solids (TDS)	ppm	Range	248 - 251	470 - 500	625 - 645	639 - 668	267 - 285	278 - 279	173 - 225	Runoff/leaching from natural deposits
		Average	250	485	635	654	276	278	199	
Turbidity	NTU	Range	0.3 - 0.8	0.6	0.3 - 0.7	0.9 - 1.4	0.5 - 0.9	0.6	1.2 - 1.5	Soil runoff
		Average	0.5		0.5	1.1	0.7		1.4	
Zinc	ppm	Range	ND	ND	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits; industrial wastes
		Average								
OTHER PARAMETERS										
Microbiological										
Total Coliform Bacteria	MPN/100 mL	Range	3 - 2,900	34 - 2,400	83 - 4,400	15 - 14,000	NA [e]	93 - 1,700	24 - 3,700	Naturally present in the environment
		Median	92	670	1,200	460		670	420	
Escherichia coli (*E. coli*)	MPN/100 mL	Range	ND - 3	ND - 38	ND - 1	ND - 13	NA [e]	ND - 26	ND - 27	Human and animal fecal waste
		Median	ND	1	ND	3		1	2	
General Minerals										
Alkalinity, Total (as $CaCO_3$)	ppm	Range	76 - 82	109 - 113	133 - 138	121 - 132	92 - 94	95 - 99	67 - 79	Runoff/leaching of natural deposits; carbonate, bicarbonate, hydroxide, and occasionally borate, silicate,
		Average	79	111	136	126	93	97	73	
Calcium	ppm	Range	20 - 22	51 - 55	72 - 77	67 - 75	30 - 33	26	15 - 20	Runoff/leaching from natural deposits
		Average	21	53	74	71	32		18	
Hardness, Total (as $CaCO_3$)	ppm	Range	101 - 105	214 - 223	291 - 300	279 - 298	134 - 138	115 - 121	77 - 103	Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water
		Average	103	218	296	288	136	118	90	
Magnesium	ppm	Range	11 - 12	20 - 21	26	26 - 27	13 - 14	12 - 13	9.1 - 11	Runoff/leaching from natural deposits
		Average	12	20		26	14	12	10	
Potassium	ppm	Range	3.3 - 3.6	4.0 - 4.4	4.9 - 5.0	5.1 - 5.2	2.7 - 2.8	3.4 - 3.5	2.1 - 2.6	Salt present in the water; naturally-occurring
		Average	3.4	4.2	5.0	5.2	2.8	3.4	2.4	
Sodium	ppm	Range	45 - 49	72 - 78	93 - 95	97 - 99	41 - 42	52 - 53	33 - 41	
		Average	47	75	94	98	42	52	37	
Unregulated Contaminants										
Boron	ppb	Range	160	140	140	140	200	170	120	Runoff/leaching from natural deposits; industrial wastes
		Average								
Lithium	ppb	Range	ND	30	44	44	ND	ND	ND	Naturally-occurring; used in electrochemical cells, batteries, and organic syntheses and pharmaceuticals
		Average								
Vanadium	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Naturally-occurring; industrial waste discharge
		Average								
Dichlorodifluoromethane (Freon-12)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Industrial waste discharge
		Average								
Ethyl-*tert*-butyl ether (ETBE)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	Used as gasoline additive
		Average								
tert-Amyl-methyl ether (TAME)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
tert-Butyl alcohol (TBA)	ppb	Range	ND	ND	ND	ND	ND	ND	ND	MTBE breakdown product; used as gasoline additive
		Average								
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Analyzed by EPA Methods 533 and 537.1 (f)										
Perfluorooctanoic acid (PFOA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
		Average								
Perfluorooctanesulfonic acid (PFOS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluorobutanesulfonic acid (PFBS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								

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Perfluorononanoic acid (PFNA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
		Average								
Perfluorohexanesulfonic acid (PFHxS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoroheptanoic acid (PFHpA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluorodecanoic acid (PFDA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluorododecanoic acid (PFDoA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluorohexanoic acid (PFHxA)	ppt	Range	ND - 2.0	ND	ND	ND	ND	2.0 - 2.3	ND	
		Average	ND					2.2		
Perfluoroundecanoic acid (PFUnA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
4,8-dioxa-3H-perfluorononanoate (ADONA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
F-53B Major (11Cl-PF3OUdS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
F-53B Minor (9Cl-PF3ONS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
GenX (HFPO-DA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Analyzed by EPA Method 537.1 Only										
Perfluorotetradecanoic acid (PFTA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
		Average								
Perfluorotridecanoic acid (PFTrDA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
N-ethyl Perfluorooctanesulfonamidoacetic acid	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
N-methyl Perfluorooctanesulfonamidoacetic acid	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Analyzed by EPA Method 533 Only										
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
		Average								
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoro-3-methoxypropanoic acid (PFMPA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoro-4-methoxybutanoic acid (PFMBA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluorobutanoic acid (PFBA)	ppt	Range	ND	2.4	ND	ND	ND	ND	ND	
		Average								
Perfluoroheptanesulfonic acid (PFHpS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoropentanesulfonic acid (PFPeS)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoropentanoic acid (PFPeA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ppt	Range	ND	ND	ND	ND	ND	ND	ND	
		Average								
Miscellaneous										
pH	pH Units	Range	8.0 - 8.3	8.0 - 8.2	8.1 - 8.2	8.0 - 8.4	7.4 - 7.9	7.8 - 8.2	8.0 - 8.2	Not applicable
		Average	8.2	8.1	8.2	8.2	7.7	8.0	8.1	
Radon (c)	pCi/L	Range	ND	ND	ND	ND - 130	ND	ND	ND	Gas produced by the decay of naturally-occurring uranium in soil and water
		Average				ND				
Total Organic Carbon (TOC)	ppm	Range	2.8 - 3.5	3.1 - 3.4	3.1 - 3.6	3.7 - 4.0	2.8 - 3.1	3.8 - 4.0	2.7 - 4.0	Various natural and man-made sources; TOC is a precursor for the formation of disinfection byproducts
		Average	3.1	3.3	3.3	3.8	2.9	3.9	3.4	

DEFINITION OF TERMS AND FOOTNOTES

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Definition of Terms

Average	Arithmetic mean	PHG	Public Health Goal
$CaCO_3$	Calcium Carbonate	ppb	parts per billion or micrograms per liter (µg/L)
CCRDL	Consumer Confidence Report Detection Level	ppm	parts per million or milligrams per liter (mg/L)
DLR	Detection Limit for Purposes of Reporting	ppq	parts per quadrillion or picograms per liter (pg/L)
MCL	Maximum Contaminant Level	ppt	parts per trillion or nanograms per liter (ng/L)
MFL	Million Fibers per Liter	Range	Minimum and maximum values; range and average values
MPN	Most Probable Number		are the same if a single value is reported for samples collected
NA	Not Applicable		once or twice annually
ND	Not Detected at or above DLR, CCRDL, or RL	RL	Laboratory Reporting Limit
NTU	Nephelometric Turbidity Units	TON	Threshold Odor Number
pCi/L	picoCuries per Liter	µS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)

Footnotes

(a) Samples collected in 2024 and reported once every three-year compliance cycle until the next required triennial monitoring in 2027.
(b) Samples collected in 2020 for the required 9-year monitoring cycle (2020-2028).
(c) Samples collected quarterly for gross beta particle activity, and annually for tritium and strontium-90. Gross alpha particle activity, radium, and uranium samples collected quarterly in 2023 for the required triennial monitoring (2023-2025). Radon monitored voluntarily with the triennial radionuclides.
(d) Aesthetic parameters under the 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 for treated water.
(e) Jensen Treatment Plant influent is the compliance monitoring location that represents Castaic Lake source water. See Treatment Plant Influent table for results.
(f) Average of results from two analytical methods.

2025 Water Quality Report to Member Agencies—The Metropolitan Water District of Southern California
Treatment Plant Influents (Public Water System Identification Number: 1910087)

Parameter	Units	Range Average	Treatment Plant Influent *					Major Sources in Drinking Water
			Diemer Plant	Jensen Plant [(a)]	Mills Plant	Skinner Plant	Weymouth Plant	
Percent State Water Project	%	Range	0 - 99	100	100	0 - 64	0 - 100	Not applicable
COMPLIANCE MONITORING PARAMETERS								
Microbiological								
Total Coliform Bacteria	MPN/100 mL	Median Range	ND - 2,400	9 - 3,700	4 - 3,700	100 - 1,300	ND - 1,200	Naturally present in the environment
		Median	310	140	64	550	160	
Escherichia coli (*E. coli*)	MPN/100 mL	Median Range	ND - 3	ND - 2	ND - 8	ND - 12	ND - 7	Human and animal fecal waste
		Median	1	ND	ND	1	1	
Chemical								
Alkalinity, Total (as $CaCO_3$)	ppm	Range	70 - 134	87 - 96	65 - 97	82 - 130	70 - 134	Runoff/leaching of natural deposits; carbonate, bicarbonate, hydroxide, and occasionally borate, silicate, and phosphate
		Highest RAA	118	94	74	119	120	
Fluoride	ppm	Range	0.1 - 0.4	0.2 - 0.3	0.1	0.2 - 0.3	0.1 - 0.4	Erosion of natural deposits; discharge from fertilizer and aluminum factories
		Average	0.3	0.2		0.3	0.3	
Total Organic Carbon (TOC)	ppm	Range	2.4 - 3.6	2.7 - 3.4	2.4 - 4.4	2.8 - 3.9	2.5 - 3.7	Various natural and man-made sources
		Highest RAA	3.2	3.0	3.2	3.4	3.2	
OTHER PARAMETERS								
Aluminum	ppb	Range	ND	ND	ND	ND	ND	Residue from water treatment process; natural deposits erosion
		Average						
Antimony	ppb	Range	ND	ND	ND	ND	ND	Petroleum refinery discharges; fire retardants; solder; electronics
		Average						
Arsenic	ppb	Range	2	ND	ND	ND	2	Natural deposits erosion, glass and electronics production wastes
		Average						
Barium	ppb	Range	130	ND	ND	ND	128	Oil and metal refineries discharges; natural deposits erosion
		Average						
Beryllium	ppb	Range	ND	ND	ND	ND	ND	Discharge from metal refineries, aerospace, and defense industries
		Average						
Boron	ppb	Range	140	200	130	140	140	Runoff/leaching from natural deposits; Industrial wastes
		Average						
Cadmium	ppb	Range	ND	ND	ND	ND	ND	Internal corrosion of galvanized pipes; discharge from electroplating, industrial factories, and metal refineries; runoff from waste batteries and paints; natural deposits erosion
		Average						
Chromium	ppb	Range	ND	ND	ND	ND	ND	Discharge from steel and pulp mills; natural deposits erosion
		Average						
Chromium VI	ppb	Range	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits; Industrial wastes
		Average						
Copper	ppm	Range	ND	ND	ND	ND	ND	Internal corrosion of household pipes; natural deposits erosion; leaching from wood preservatives
		Average						
Cryptosporidium	Oocysts/10 L	Range	ND	ND	ND	ND	ND	Human and animal fecal waste
		Average						
Giardia	Cysts/10 L	Range	ND	ND	ND	ND	ND	
		Average						
Hardness, Total (as $CaCO_3$)	ppm	Range	86 - 310	110 - 144	62 - 108	160 - 290	84 - 302	Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water
		Average	220	133	79	226	211	
Iron	ppb	Range	ND	ND	ND	ND	ND	Leaching from natural deposits; industrial wastes
		Average						
Lead	ppb	Range	ND	ND	ND	ND	ND	Internal corrosion of household water plumbing systems; industrial manufacturers' discharge; erosion of natural deposits
		Average						
Lithium	ppb	Range	30 - 45	ND	ND	30	29 - 44	Naturally-occurring; used in electrochemical cells, batteries, and organic syntheses and pharmaceuticals
		Average	38				36	
Manganese	ppb	Range	ND	ND	ND	ND	ND	Leaching from natural deposits
		Average						
Mercury	ppb	Range	ND	ND	ND	ND	ND	Erosion of natural deposits; factory discharge; landfill runoff
		Average						
Nickel	ppb	Range	ND	ND	ND	ND	ND	Erosion of natural deposits; discharge from metal factories
		Average						
Perchlorate	ppb	Range	ND	ND	ND	ND	ND	Industrial waste discharge
		Average						
pH	pH Units	Range	7.8 - 8.4	7.3 - 8.0	7.4 - 8.3	7.4 - 8.5	7.8 - 8.4	Not applicable
		Average	8.1	7.8	8.0	8.1	8.1	
Selenium	ppb	Range	ND	ND	ND	ND	ND	Refineries, mines, and chemical waste discharge; runoff from livestock lots
		Average						

2025 Water Quality Report to Member Agencies—The Metropolitan Water District of Southern California
Treatment Plant Influents (Public Water System Identification Number: 1910087)

Parameter	Units	Range Average	Treatment Plant Influent *					Major Sources in Drinking Water
			Diemer Plant	Jensen Plant [(a)]	Mills Plant	Skinner Plant	Weymouth Plant	
Specific Conductance	µS/cm	Range	413 - 1,038	447 - 484	265 - 554	684 - 991	374 - 1,069	Substances that form ions in water; seawater influence
		Average	809	471	386	823	812	
Silver	ppb	Range	ND	ND	ND	ND	ND	Industrial discharges
		Average						
Thallium	ppb	Range	ND	ND	ND	ND	ND	Leaching from ore processing; discharge from electronics, glass, and pharmaceutical factories
		Average						
Turbidity	NTU	Range	0.5 - 5.5	0.4 - 47	0.3 - 3.5	0.6 - 2.6	0.3 - 5.5	Soil runoff
		Average	1.0	1.5	0.8	1.4	0.9	
Vanadium	ppb	Range	ND	ND	ND	ND	ND	Naturally-occurring; industrial waste discharge
		Average						
Zinc	ppm	Range	ND	ND	ND	ND	ND	Runoff/leaching from natural deposits; industrial wastes
		Average						

DEFINITION OF TERMS AND FOOTNOTES

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Definition of Terms

Average	Arithmetic mean	ppm	parts per million or milligrams per liter (mg/L)
$CaCO_3$	Calcium Carbonate	RAA	Running Annual Average; highest RAA is the highest of all
CCRDL	Consumer Confidence Report Detection Level		Running Annual Averages calculated as an average
DLR	Detection Limit for Purposes of Reporting		of the all samples collected within a 12-month period
MCL	Maximum Contaminant Level		once or twice annually
MPN	Most Probable Number	Range	Minimum and maximum values; range and average values
ND	Not Detected at or above DLR, CCRDL, or RL		are the same if a single value is reported for samples collected
NTU	Nephelometric Turbidity Units		once or twice annually
PHG	Public Health Goal	RL	Laboratory Reporting Limit
ppb	parts per billion or micrograms per liter (µg/L)	µS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)

Footnotes

(a) The primary source water for the Jensen Treatment Plant is Castaic Lake. Water from a dewatering well at the Jensen facility is treated at the washwater reclamation plant and then returned to the head of the treatment plant where it contributes an average of 0.06% to the overall plant influent. In accordance with a 2024 PFAS state monitoring order (DW 2024-0002-DDW), the dewatering well was sampled on December 2, 2025, and was ND for all PFAS except PFBS which was detected at 5.5 ppt and PFOS at 4.8 ppt. The NLs for PFBS and PFOS in drinking water are 500 ppt and 4 ppt, respectively. No PFAS chemicals were detected in the treated water leaving the Jensen plant.

2025 Water Quality Report to Member Agencies - The Metropolitan Water District of Southern California
Treatment Plant Effluents and Distribution System (Public Water System Identification Number: 1910087)

Parameter	Units	State MCL	PHG	State DLR/ CCRDL (RL)	Range Average	Treatment Plant Effluent *						Major Sources in Drinking Water
						Diemer Plant	Jensen Plant	Mills Plant	Skinner Plant	Weymouth Plant	Distribution System	
Percent State Water Project	%	NA	NA	NA	Range	0 - 99	100	100	0 - 64	0 - 100		Not applicable
PRIMARY STANDARDS—Mandatory Health-Related Standards												
CLARITY												
Combined Filter Effluent (CFE) Turbidity (a)	NTU	TT	NA	NA	Highest	0.05	0.06	0.07	0.07	0.06		Soil runoff
	%				% ≤ 0.3 NTU	100	100	100	100	100		
MICROBIOLOGICAL (b)												
Total Coliform Bacteria (c)	% Positive Monthly Samples	TT	MCLG = 0	NA	Range						0 - 0.5	Naturally present in the environment
					Average						0.08	
Heterotrophic Plate Count (HPC) Bacteria (d)	CFU/mL	TT	NA	NA	Median Range	ND	ND	ND	ND	ND		
					Median							
Cryptosporidium	Oocysts/200 L	TT	MCLG = 0	NA	Range	ND	ND	ND	ND	ND		Human and animal fecal waste
					Average							
Giardia	Cysts/200 L	TT	MCLG = 0	NA	Range	ND	ND	ND	ND	ND		
					Average							
ORGANIC CHEMICALS												
Synthetic Organic Compounds (e)												
1,2,3-Trichloropropane (1,2,3-TCP)	ppt	5	0.7	5	Range	ND	ND	ND	ND	ND		Discharge from industrial and agrichemical factories; byproduct of producing other compounds and pesticides; leaching from hazardous waste sites
					Average							
2,4,5-TP (Silvex)	ppb	50	3	1	Range	ND	ND	ND	ND	ND		Residue of banned herbicide
					Average							
2,4-D	ppb	70	20	10	Range	ND	ND	ND	ND	ND		Runoff from herbicide used on row crops, rangeland, lawns, and aquatic weeds
					Average							
Acrylamide (f)	ppm	TT	MCLG = 0	NA	Range	NA	NA	NA	NA	NA		Water treatment chemical impurities
					Average							
Alachlor	ppb	2	4	1	Range	ND	ND	ND	ND	ND		Runoff from herbicide used on row crops
					Average							
Atrazine	ppb	1	0.15	0.5	Range	ND	ND	ND	ND	ND		Runoff from herbicide used on row crops and along railroad and highway right-of-ways
					Average							
Bentazon	ppb	18	200	2	Range	ND	ND	ND	ND	ND		Runoff/leaching from herbicide used on beans, peppers, corn, peanuts, rice, and ornamental grasses
					Average							
Benzo(a)pyrene	ppt	200	7	100	Range	ND	ND	ND	ND	ND		Leaching from linings and coatings of water storage tanks and distribution mains
					Average							
Carbofuran	ppb	18	0.7	5	Range	ND	ND	ND	ND	ND		Leaching of soil fumigant used on rice, alfalfa, and grape vineyards
					Average							
Chlordane	ppt	100	30	100	Range	ND	ND	ND	ND	ND		Residue of banned insecticide
					Average							
Dalapon	ppb	200	790	10	Range	ND	ND	ND	ND	ND		Runoff from herbicide used on right-of-ways, and crops and landscape maintenance
					Average							
Di(2-ethylhexyl)adipate	ppb	400	200	5	Range	ND	ND	ND	ND	ND		Discharge from chemical factories
					Average							
Di(2-ethylhexyl)phthalate	ppb	4	12	3	Range	ND	ND	ND	ND	ND		Discharge from rubber and chemical factory; inert ingredient in pesticides
					Average							
Dibromochloropropane (DBCP)	ppt	200	3	10	Range	ND	ND	ND	ND	ND		Banned nematocide that may still be present in soils due to runoff/leaching
					Average							
Dinoseb	ppb	7	14	2	Range	ND	ND	ND	ND	ND		Runoff from herbicide used on soybeans, vegetables, and fruits
					Average							
Dioxin (2,3,7,8-TCDD)	ppq	30	0.05	5	Range	ND	ND	ND	ND	ND		Waste incineration emissions; chemical factory discharge
					Average							
Diquat	ppb	20	6	4	Range	ND	ND	ND	ND	ND		Runoff from herbicide used for terrestrial and aquatic weeds
					Average							
Endothall	ppb	100	94	45	Range	ND	ND	ND	ND	ND		Runoff from herbicide used for terrestrial and aquatic weeds; defoliant
					Average							
Endrin	ppb	2	0.3	0.1	Range	ND	ND	ND	ND	ND		Residue of banned insecticide and rodenticide
					Average							
Epichlorohydrin (f)	ppm	TT	MCLG = 0	NA	Range	NA	NA	NA	NA	NA		Water treatment chemical impurities
					Average							
Ethylene Dibromide (EDB)	ppt	50	10	20	Range	ND	ND	ND	ND	ND		Petroleum refinery discharges; underground gas tank leaks; banned nematocide that may still be present in soils due to runoff and leaching
					Average							
Glyphosate	ppb	700	900	25	Range	ND	ND	ND	ND	ND		Runoff from herbicide use
					Average							

2025 Water Quality Report to Member Agencies - The Metropolitan Water District of Southern California
Treatment Plant Effluents and Distribution System (Public Water System Identification Number: 1910087)

Parameter	Units	State MCL	PHG	State DLR/ CCRDL (RL)	Range Average	Treatment Plant Effluent *						Major Sources in Drinking Water
						Diemer Plant	Jensen Plant	Mills Plant	Skinner Plant	Weymouth Plant	Distribution System	
Heptachlor	ppt	10	8	10	Range	ND	ND	ND	ND	ND		Residue of banned insecticide
					Average							
Heptachlor Epoxide	ppt	10	6	10	Range	ND	ND	ND	ND	ND		Breakdown product of heptachlor
					Average							
Hexachlorobenzene	ppb	1	0.03	0.5	Range	ND	ND	ND	ND	ND		Discharge from metal refineries and agrichemicals factories; wastewater chlorination reaction byproduct
					Average							
Hexachlorocyclopentadiene	ppb	50	2	1	Range	ND	ND	ND	ND	ND		Discharge from chemical factories
					Average							
Lindane	ppt	200	32	200	Range	ND	ND	ND	ND	ND		Runoff/leaching from insecticide used on cattle, lumber, and gardens
					Average							
Methoxychlor	ppb	30	0.09	10	Range	ND	ND	ND	ND	ND		Runoff/leaching from insecticide uses on fruits, vegetables, alfalfa, and livestock
					Average							
Molinate (Ordram)	ppb	20	1	2	Range	ND	ND	ND	ND	ND		Runoff/leaching from herbicide used on rice
					Average							
Oxamyl (Vydate)	ppb	50	26	20	Range	ND	ND	ND	ND	ND		Runoff/leaching from insecticide uses
					Average							
Pentachlorophenol	ppb	1	0.3	0.2	Range	ND	ND	ND	ND	ND		Discharge from wood preserving factories, and other insecticidal and herbicidal uses
					Average							
Picloram	ppb	500	166	1	Range	ND	ND	ND	ND	ND		Herbicide runoff
					Average							
Polychlorinated Biphenyls (PCBs)	ppt	500	90	500	Range	ND	ND	ND	ND	ND		Runoff from landfills; discharge of waste chemicals
					Average							
Simazine	ppb	4	4	1	Range	ND	ND	ND	ND	ND		Herbicide runoff
					Average							
Thiobencarb	ppb	70	42	1	Range	ND	ND	ND	ND	ND		Runoff/leaching from herbicide used on rice
					Average							
Toxaphene	ppb	3	0.03	1	Range	ND	ND	ND	ND	ND		Runoff/leaching from insecticide used on cotton and cattle
					Average							
Volatile Organic Compounds												
1,1,1-Trichloroethane	ppb	200	1,000	0.5	Range	ND	ND	ND	ND	ND		Metal degreasing site discharge; manufacture of food wrappings
					Average							
1,1,2,2-Tetrachloroethane	ppb	1	0.1	0.5	Range	ND	ND	ND	ND	ND		Discharge from industrial and agrichemical factories; solvent used in production of TCE, pesticides, varnish, and lacquers
					Average							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	ppm	1.2	4	0.01	Range	ND	ND	ND	ND	ND		Discharge from metal degreasing sites and other factories; dry cleaning solvent; refrigerant
					Average							
1,1,2-Trichloroethane	ppb	5	0.3	0.5	Range	ND	ND	ND	ND	ND		Discharge from industrial chemical factories
					Average							
1,1-Dichloroethane	ppb	5	3	0.5	Range	ND	ND	ND	ND	ND		Extraction and degreasing solvent; fumigant
					Average							
1,1-Dichloroethylene	ppb	6	10	0.5	Range	ND	ND	ND	ND	ND		Discharge from industrial chemical factories
					Average							
1,2,4-Trichlorobenzene	ppb	5	5	0.5	Range	ND	ND	ND	ND	ND		Discharge from textile-finishing factories
					Average							
1,2-Dichlorobenzene	ppb	600	600	0.5	Range	ND	ND	ND	ND	ND		Discharge from industrial chemical factories
					Average							
1,2-Dichloroethane	ppt	500	400	500	Range	ND	ND	ND	ND	ND		Discharge from industrial chemical factories
					Average							
1,2-Dichloropropane	ppb	5	0.5	0.5	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharge; primary component of some fumigants
					Average							
1,3-Dichloropropene	ppt	500	200	500	Range	ND	ND	ND	ND	ND		Runoff/leaching from nematocide used on croplands
					Average							
1,4-Dichlorobenzene	ppb	5	6	0.5	Range	ND	ND	ND	ND	ND		Discharge from industrial chemical factories
					Average							
Benzene	ppb	1	0.15	0.5	Range	ND	ND	ND	ND	ND		Plastics factory discharge; gas tanks and landfill leaching
					Average							
Carbon Tetrachloride	ppt	500	100	500	Range	ND	ND	ND	ND	ND		Discharge from chemical plants and other industrial waste
					Average							
cis-1,2-Dichloroethylene	ppb	6	13	0.5	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharge; byproduct of TCE and PCE biodegradation
					Average							
Dichloromethane (Methylene Chloride)	ppb	5	4	0.5	Range	ND	ND	ND	ND	ND		Discharge from pharmaceutical and chemical factories; insecticide
					Average							

2025 Water Quality Report to Member Agencies - The Metropolitan Water District of Southern California
Treatment Plant Effluents and Distribution System (Public Water System Identification Number: 1910087)

Parameter	Units	State MCL	PHG	State DLR/ CCRDL (RL)	Range Average	Treatment Plant Effluent *						Major Sources in Drinking Water
						Diemer Plant	Jensen Plant	Mills Plant	Skinner Plant	Weymouth Plant	Distribution System	
Ethylbenzene	ppb	300	300	0.5	Range	ND	ND	ND	ND	ND		Petroleum refinery discharge; industrial chemical factories
					Average							
Methyl-*tert*-butyl ether (MTBE)	ppb	13	13	3	Range	ND	ND	ND	ND	ND		Gasoline discharge from watercraft engines
					Average							
Monochlorobenzene	ppb	70	70	0.5	Range	ND	ND	ND	ND	ND		Discharge from industrial and agrichemical factories, and dry cleaners
					Average							
Styrene	ppb	100	0.5	0.5	Range	ND	ND	ND	ND	ND		Rubber and plastics factories discharge; landfill leaching
					Average							
Tetrachloroethylene (PCE)	ppb	5	0.06	0.5	Range	ND	ND	ND	ND	ND		Discharge from factories, dry cleaners, and auto shops
					Average							
Toluene	ppb	150	150	0.5	Range	ND	ND	ND	ND	ND		Discharge from petroleum and chemical refineries
					Average							
trans-1,2-Dichloroethylene	ppb	10	50	0.5	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharge; byproduct of TCE and PCE biodegradation
					Average							
Trichloroethylene (TCE)	ppb	5	1.7	0.5	Range	ND	ND	ND	ND	ND		Discharge from metal degreasing sites and other factories
					Average							
Trichlorofluoromethane (Freon-11)	ppb	150	1,300	5	Range	ND	ND	ND	ND	ND		Industrial factory discharge; degreasing solvent; propellant and refrigerant
					Average							
Vinyl Chloride	ppt	500	50	500	Range	ND	ND	ND	ND	ND		Leaching from PVC piping; plastic factory discharge; byproduct of TCE and PCE biodegradation
					Average							
Xylenes, Total	ppm	1.750	1.8	0.0005	Range	ND	ND	ND	ND	ND		Discharge from petroleum and chemical refineries; fuel solvent
					Average							
INORGANIC CHEMICALS												
Aluminum (g)	ppb	1,000	600	50	Range	ND - 82	ND - 79	ND - 96	ND - 120	ND - 100		Residue from water treatment process; runoff and leaching from natural deposits
					Highest RAA	58	60	ND	57	96		
Antimony	ppb	6	1	6	Range	ND	ND	ND	ND	ND		Petroleum refinery discharges; fire retardants; solder; electronics
					Average							
Arsenic	ppb	10	0.004	2	Range	ND	ND	ND	ND	ND		Natural deposits erosion, glass and electronics production wastes
					Average							
Asbestos (h)	MFL	7	7	0.2	Range	ND	ND	ND	ND	ND		Asbestos cement pipes internal corrosion; runoff and leaching from natural deposits
					Average							
Barium	ppb	1,000	2,000	100	Range	130	ND	ND	ND	129		Oil and metal refineries discharge; natural deposits erosion
					Average							
Beryllium	ppb	4	1	1	Range	ND	ND	ND	ND	ND		Discharge from metal refineries, aerospace, and defense industries
					Average							
Cadmium	ppb	5	0.04	1	Range	ND	ND	ND	ND	ND		Internal corrosion of galvanized pipes; discharge from electroplating, industrial factories, and metal refineries; runoff from waste batteries and paints; natural deposits erosion
					Average							
Chromium	ppb	50	MCLG = 100	10	Range	ND	ND	ND	ND	ND		Discharge from steel and pulp mills; natural deposits erosion
					Average							
Chromium VI	ppb	10	0.02	0.1	Range	ND	ND	ND	ND	ND		Runoff/leaching from natural deposits; discharge from industrial wastes
					Average							
Copper (i)	ppm	AL = 1.3	0.3	0.05	Range	ND	ND	ND	ND	ND		Internal corrosion of household pipes; runoff/leaching from natural deposits; wood preservatives leaching
					Average							
Cyanide	ppb	150	150	100	Range	ND	ND	ND	ND	ND		Discharge from steel/metal, plastic, and fertilizer factories
					Average							
Fluoride (j)	ppm	2.0	1	0.1	Range	0.6 - 0.8	0.6 - 0.8	0.6 - 0.9	0.6 - 0.8	0.5 - 0.8	0.2 - 0.8	Runoff and leaching from natural deposits; water additive that promotes strong teeth; discharge from fertilizer and aluminum factories
					Average	0.7	0.7	0.7	0.7	0.7	0.7	
Lead (i)	ppb	AL = 15	0.2	5	Range	ND	ND	ND	ND	ND		Internal corrosion of household water plumbing systems; industrial manufacturers' discharge; runoff and leaching from natural deposits
					Average							
Mercury	ppb	2	1.2	1	Range	ND	ND	ND	ND	ND		Erosion of natural deposits; factory discharge; landfill runoff
					Average							
Nickel	ppb	100	12	10	Range	ND	ND	ND	ND	ND		Erosion of natural deposits; discharge from metal factories
					Average							
Nitrate (as Nitrogen)	ppm	10	10	0.4	Range	ND	ND	ND	ND	ND		Runoff and leaching from fertilizer use; septic tank and sewage; natural deposits erosion
					Average							
Nitrite (as Nitrogen)	ppm	1	1	0.4	Range	ND	ND	ND	ND	ND		Runoff and leaching from fertilizer use; septic tank and sewage; natural deposits erosion
					Average							
Perchlorate	ppb	6	1	1	Range	ND	ND	ND	ND	ND		Naturally-occurring in arid regions; industrial waste discharge
					Average							
Selenium	ppb	50	30	5	Range	ND	ND	ND	ND	ND		Refineries, mines, and chemical waste discharge; runoff from livestock lots
					Average							

2025 Water Quality Report to Member Agencies - The Metropolitan Water District of Southern California
Treatment Plant Effluents and Distribution System (Public Water System Identification Number: 1910087)

Parameter	Units	State MCL	PHG	State DLR/ CCRDL (RL)	Range Average	Treatment Plant Effluent *						Major Sources in Drinking Water
						Diemer Plant	Jensen Plant	Mills Plant	Skinner Plant	Weymouth Plant	Distribution System	
Thallium	ppb	2	0.1	1	Range	ND	ND	ND	ND	ND		Leaching from ore processing; discharge from electronics, glass, and pharmaceutical factories
					Average							
RADIOLOGICALS (k)												
Gross Alpha Particle Activity	pCi/L	15	MCLG = 0	3	Range	ND - 5	ND	ND	ND - 4	ND		Runoff/leaching from natural deposits
					Average	ND			ND			
Gross Beta Particle Activity	pCi/L	50	MCLG = 0	4	Range	ND - 6	ND	ND	ND - 5	ND - 5		Decay of natural and man-made deposits
					Average	ND			ND	ND		
Radium-226	pCi/L	NA	0.05	1	Range	ND	ND	ND	ND	ND		Erosion of natural deposits
					Average							
Radium-228	pCi/L	NA	0.019	1	Range	ND	ND	ND - 1	ND	ND		
					Average			ND				
Combined Radium-226 + 228	pCi/L	5	MCLG = 0	NA	Range	ND	ND	ND - 1	ND	ND		
					Average			ND				
Strontium-90	pCi/L	8	0.35	2	Range	ND	ND	ND	ND	ND		Decay of natural and man-made deposits
					Average							
Tritium	pCi/L	20,000	400	1,000	Range	ND	ND	ND	ND	ND		
					Average							
Uranium	pCi/L	20	0.43	1	Range	ND - 3	2 - 3	ND	ND - 3	ND - 3		Erosion of natural deposits
					Average	1	2		2	ND		
DISINFECTION BYPRODUCTS, DISINFECTANT RESIDUALS, AND DISINFECTION BYPRODUCT PRECURSORS (l)												
Total Trihalomethanes (TTHM) (Plant Core Locations and Distribution System)	ppb	80	NA	1.0	Range	23 - 31	10 - 17	18 - 36	13 - 46	24 - 30	9.8 - 55	Byproducts of drinking water chlorination
					Highest LRAA	27	14	26	30	31	33	
Sum of Five Haloacetic Acids (HAA5) (Plant Core Locations and Distribution System)	ppb	60	NA	1.0	Range	ND - 3.4	ND - 2.9	1.2 - 4.4	1.4 - 18	ND - 4.9	ND - 18	
					Highest LRAA	3.2	3.0	4.2	9.4	3.1	9.4	
Chloramines (as Total Chlorine Residual)	ppm	MRDL = 4.0	MRDL = 4.0	NA	Range						1.1 - 3.1	Drinking water disinfectant added for treatment
					Highest RAA						2.6	
Bromate	ppb	10	0.1	1.0	Range	ND - 8.4	1.4 - 6.7	ND - 5.6	ND - 8.3	ND - 12		Byproduct of drinking water ozonation
					Highest RAA	2.4	4.1	3.0	1.8	3.0		
Total Organic Carbon (TOC)	ppm	TT	NA	0.30	Range	1.6 - 2.6	1.9 - 2.4	1.5 - 2.9	2.0 - 2.8	1.6 - 2.8		Various natural and man-made sources; TOC is a precursor for the formation of disinfection byproducts
					Highest RAA	2.4	2.3	2.0	2.6	2.5		
SECONDARY STANDARDS—Aesthetic Standards												
Aluminum (g)	ppb	200	600	50	Range	ND - 82	ND - 79	ND - 96	ND - 120	ND - 100		Residual from some surface water treatment processes; runoff and leaching from natural deposits
					Highest RAA	58	60	ND	57	96		
Chloride	ppm	500	NA	(2)	Range	84 - 99	46 - 52	55 - 59	87 - 91	86 - 98		Runoff/leaching from natural deposits; seawater influence
					Average	92	49	57	89	92		
Color	Color Units	15	NA	(1)	Range	1	1	1	1	1		Naturally-occurring organic materials
					Average							
Copper (i)	ppm	1.0	0.3	0.05	Range	ND	ND	ND	ND	ND		Internal corrosion of household pipes; runoff/leaching from natural deposits; wood preservatives leaching
					Average							
Foaming Agents - Methylene Blue Active Substances (MBAS)	ppb	500	NA	(50)	Range	ND	ND	ND	ND	ND		Municipal and industrial waste discharges
					Average							
Iron	ppb	300	NA	100	Range	ND	ND	ND	ND	ND		Leaching from natural deposits; industrial wastes
					Average							
Manganese	ppb	50	NL = 500	(5)	Range	ND	ND	ND	ND	ND		Leaching from natural deposits
					Average							
MTBE	ppb	5	13	3	Range	ND	ND	ND	ND	ND		Gasoline discharge from watercraft engines
					Average							
Odor Threshold	TON	3	NA	1	Range	ND	ND	ND	ND	ND		Naturally-occurring organic materials
					Average							
Silver	ppb	100	NA	10	Range	ND	ND	ND	ND	ND		Industrial discharges
					Average							
Specific Conductance	µS/cm	1,600	NA	NA	Range	759 - 987	503 - 504	386 - 422	824 - 847	754 - 981		Substances that form ions in water; seawater influence
					Average	873	504	404	836	868		
Sulfate	ppm	500	NA	0.5	Range	146 - 218	64 - 78	25 - 38	164 - 171	139 - 212		Runoff/leaching from natural deposits; industrial wastes
					Average	182	71	32	168	176		
Thiobencarb	ppb	1	42	1	Range	ND	ND	ND	ND	ND		Runoff/leaching from rice herbicide
					Average							
Total Dissolved Solids, Filterable (TDS) (m)	ppm	1,000	NA	(2)	Range	465 - 625	293 - 301	214 - 241	501 - 513	456 - 617		Runoff/leaching from natural deposits
					Average	545	297	228	507	536		
Turbidity	NTU	5	NA	0.1	Range	ND	ND	ND	ND	ND		Soil runoff
					Average							
Zinc	ppm	5.0	NA	0.05	Range	ND	ND	ND	ND	ND		Runoff/leaching from natural deposits; industrial wastes
					Average							

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Parameter	Units	State MCL	PHG	State DLR/ CCRDL (RL)	Range Average	Treatment Plant Effluent *						Major Sources in Drinking Water
						Diemer Plant	Jensen Plant	Mills Plant	Skinner Plant	Weymouth Plant	Distribution System	
OTHER PARAMETERS												
General Minerals												
Alkalinity, Total (as $CaCO_3$)	ppm	NA	NA	(1)	Range	93 - 122	96 - 100	68 - 77	105 - 108	95 - 124		Runoff/leaching of natural deposits; carbonate, bicarbonate, hydroxide, and occasionally borate, silicate, and phosphate
					Average	108	98	72	106	110		
Calcium	ppm	NA	NA	(0.1)	Range	44 - 68	31 - 34	16 - 20	54 - 55	43 - 70		Runoff/leaching from natural deposits
					Average	56	32	18	54	56		
Hardness, Total (as $CaCO_3$)	ppm	NA	NA	(1)	Range	191 - 280	137 - 142	82 - 94	228 - 232	189 - 280		Runoff/leaching from natural deposits; sum of polyvalent cations, generally magnesium and calcium present in the water
					Average	236	140	88	230	234		
Magnesium	ppm	NA	NA	(0.01)	Range	19 - 25	13 - 14	9.7 - 11	21	19 - 25		Runoff/leaching from natural deposits
					Average	22	14	10	21	22		
Potassium	ppm	NA	NA	(0.2)	Range	3.8 - 4.8	2.8 - 2.9	2.3 - 2.5	4.2 - 4.4	3.8 - 5		Salt present in the water; naturally-occurring
					Average	4.3	2.8	2.4	4.3	4.4		
Sodium	ppm	NA	NA	(1)	Range	78 - 97	46 - 50	45 - 47	83 - 87	78 - 100		
					Average	88	48	46	85	89		
Unregulated Contaminants												
Boron	ppb	NL = 1,000	NA	100	Range	130	190	120	130	130		Runoff/leaching from natural deposits; industrial wastes
					Average							
Chlorate	ppb	NL = 800	NA	(20)	Range	32	ND	ND	ND	31		Byproduct of drinking water chlorination; industrial processes
					Average							
Lithium	ppb	NA	NA	(10)	Range	28 - 42	ND	ND	26 - 30	27 - 41		Naturally-occurring; used in electrochemical cells, batteries, and organic syntheses and pharmaceuticals
					Average	35			28	34		
Vanadium	ppb	NL = 50	NA	3	Range	ND	ND	ND	ND	ND		Naturally-occurring; industrial waste discharge
					Average							
Dichlorodifluoromethane (Freon-12)	ppb	NL = 1,000	NA	0.5	Range	ND	ND	ND	ND	ND		Industrial waste discharge
					Average							
Ethyl-*tert*-butyl ether (ETBE)	ppb	NA	NA	3	Range	ND	ND	ND	ND	ND		Used as gasoline additive
					Average							
tert-Amyl-methyl ether (TAME)	ppb	NA	NA	3	Range	ND	ND	ND	ND	ND		
					Average							
tert-Butyl alcohol (TBA)	ppb	NL = 12	NA	2	Range	ND	ND	ND	ND	ND		MTBE breakdown product; used as gasoline additive
					Average							
Nitrosamine Compounds												
N-Nitrosodimethylamine (NDMA)	ppt	NL = 10	3	(2)	Range	ND	2.1	ND	ND	ND	ND - 2.8	Byproducts of drinking water chloramination; industrial processes
					Average						ND	
N-Nitrosodiethylamine (NDEA)	ppt	NL = 10	NA	(2)	Range	ND	ND	ND	ND	ND	ND	
					Average							
N-Nitrosodi-n-propylamine (NDPA)	ppt	NL = 10	NA	(2)	Range	ND	ND	ND	ND	ND	ND	
					Average							
N-Nitrosomethylethylamine (NMEA)	ppt	NA	NA	(2)	Range	ND	ND	ND	ND	ND	ND	
					Average							
N-Nitrosodi-n-butylamine (NDBA)	ppt	NA	NA	(2)	Range	ND	ND	ND	ND	ND	ND	
					Average							
N-Nitrosopyrollidine (NPYR)	ppt	NA	NA	(2)	Range	ND	ND	ND	ND	ND	ND	
					Average							
N-Nitrosopiperidine (NPIP)	ppt	NA	NA	(2)	Range	ND	ND	ND	ND	ND	ND	
					Average							
N-Nitrosomorpholine (NMOR)	ppt	NA	NA	(2)	Range	ND	ND	ND	ND	ND	ND	Industrial processes
					Average							
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Analyzed by EPA Methods 533 and 537.1 (n, o)												
Perfluorooctanoic acid (PFOA)	ppt	NL = 4.0	0.007	2.0	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
					Average							
Perfluorooctanesulfonic acid (PFOS)	ppt	NL = 4.0	1	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluorobutanesulfonic acid (PFBS)	ppt	NL = 500	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluorononanoic acid (PFNA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluorohexanesulfonic acid (PFHxS)	ppt	NL = 3.0	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoroheptanoic acid (PFHpA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluorodecanoic acid (PFDA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							

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Treatment Plant Effluents and Distribution System (Public Water System Identification Number: 1910087)

Parameter	Units	State MCL	PHG	State DLR/ CCRDL (RL)	Range Average	Treatment Plant Effluent *						Major Sources in Drinking Water
						Diemer Plant	Jensen Plant	Mills Plant	Skinner Plant	Weymouth Plant	Distribution System	
Perfluorododecanoic acid (PFDoA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
					Average							
Perfluorohexanoic acid (PFHxA)	ppt	NL = 1000	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoroundecanoic acid (PFUnA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
4,8-dioxa-3H-perfluorononanoate (ADONA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
F-53B Major (11Cl-PF3OUdS)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
F-53B Minor (9Cl-PF3ONS)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
GenX (HFPO-DA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Analyzed by EPA Method 537.1 Only (n)												
Perfluorotetradecanoic acid (PFTA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
					Average							
Perfluorotridecanoic acid (PFTrDA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
N-ethyl Perfluorooctanesulfonamidoacetic acid	ppt	NA	NA	5.0	Range	ND	ND	ND	ND	ND		
					Average							
N-methyl Perfluorooctanesulfonamidoacetic acid	ppt	NA	NA	5.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) Analyzed by EPA Method 533 Only (n)												
4:2 Fluorotelomer sulfonic acid (4:2 FTS)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		Industrial chemical factory discharges; runoff/leaching from landfills; used in fire-retarding foams and various industrial processes
					Average							
6:2 Fluorotelomer sulfonic acid (6:2 FTS)	ppt	NA	NA	5.0	Range	ND	ND	ND	ND	ND		
					Average							
8:2 Fluorotelomer sulfonic acid (8:2 FTS)	ppt	NA	NA	5.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoro-3-methoxypropanoic acid (PFMPA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoro-4-methoxybutanoic acid (PFMBA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluorobutanoic acid (PFBA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoroheptanesulfonic acid (PFHpS)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoropentanesulfonic acid (PFPeS)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoropentanoic acid (PFPeA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ppt	NA	NA	2.0	Range	ND	ND	ND	ND	ND		
					Average							
Miscellaneous (p)												
Calcium Carbonate Precipitation Potential (CCPP) (as $CaCO_3$) (q)	ppm	NA	NA	NA	Range	2.5 - 11	2.9 - 6.6	2.2 - 4.7	2.5 - 8.5	2.5 - 11		Measures of the balance between pH and calcium carbonate saturation in the water
					Average	7.4	4.0	3.0	6.9	7.6		
Corrosivity (as Aggressiveness Index) (r)	NA	NA	NA	NA	Range	12.3 - 12.5	12.2 - 12.3	12.1 - 12.3	12.3	12.3 - 12.5		
					Average	12.4	12.2	12.2		12.4		
Corrosivity (as Saturation Index) (s)	NA	NA	NA	NA	Range	0.57 - 0.60	0.35 - 0.43	0.36 - 0.42	0.48 - 0.57	0.51 - 0.61		
					Average	0.58	0.39	0.39	0.52	0.56		
pH	pH Units	NA	NA	NA	Range	8.2 - 8.3	8.3 - 8.4	8.7	8.2	8.2 - 8.3		Not applicable
					Average	8.3	8.3			8.2		
Radon (k)	pCi/L	NA	NA	100	Range	ND	ND	ND	ND	ND		Gas produced by the decay of naturally-occurring uranium in soil and water
					Average							
Total Dissolved Solids, Calculated (TDS) (t)	ppm	1,000	NA	NA	Range	333 - 657	280 - 301	173 - 300	424 - 635	346 - 660		Runoff/leaching from natural deposits
					Average	507	292	234	525	506		

DEFINITION OF TERMS AND FOOTNOTES

*** As a wholesale water system, Metropolitan provides its member agencies with relevant treated water information and monitoring results that they may need for their annual water quality reports. Metropolitan's compliance with state or federal regulations is determined at the treatment plant effluent locations and/or distribution system, or plant influent per frequency stipulated in Metropolitan's State-approved monitoring plan, and is based on TT, RAA, or LRAA, as appropriate. Data above Metropolitan's RL but below the State DLR or CCRDL are reported as ND in this report; these data are available upon request. Metropolitan was in compliance with all primary and secondary drinking water regulations for the current monitoring period.**

Note: Metropolitan monitors the distribution system for constituents under the Revised Total Coliform Rule (RTCR), Water Fluoridation Standards, and Disinfectants/Disinfection Byproduct Rule (Total Trihalomethanes, Five Haloacetic Acids, and Chloramines as Total Chlorine Residual). Constituents with grayed out areas in the distribution system column are routinely monitored at treatment plant effluents and not in the distribution system.

Definition of Terms

AI	Aggressiveness Index	MFL	Million Fibers per Liter	RAA	Running Annual Average; highest RAA is the highest of all RAAs calculated as an average of all the samples collected within a 12-month period
AL	Action Level	MRDL	Maximum Residual Disinfectant Level		
Average	Arithmetic mean	MRDLG	Maximum Residual Disinfectant Level Goal		
$CaCO_3$	Calcium Carbonate	MRL	Minimum Reporting Level	Range	Minimum and maximum values; range and average values are the same if a single value is reported for samples collected once or twice annually
CCPP	Calcium Carbonate Precipitation Potential	NA	Not Applicable		
CCRDL	Consumer Confidence Report Detection Level	ND	Not Detected at or above DLR, CCRDL, or RL		
CFE	Combined Filter Effluent	NL	Notification Level to State Water Resources Control Board	RL	Laboratory Reporting Limit
CFU	Colony-Forming Units	NTU	Nephelometric Turbidity Units	SI	Saturation Index (Langelier)
DLR	Detection Limit for Purposes of Reporting	pCi/L	picoCuries per Liter	TDS	Total Dissolved Solids
EPA	Environmental Protection Agency	PHG	Public Health Goal	TON	Threshold Odor Number
LRAA	Locational Running Annual Average; highest LRAA is the highest of all LRAAs calculated as an average of all samples collected within a 12-month period	ppb	parts per billion or micrograms per liter (µg/L)	TT	Treatment Technique is a required process intended to reduce the level of a contaminant in drinking water
		ppm	parts per million or milligrams per liter (mg/L)		
		ppq	parts per quadrillion or picograms per liter (pg/L)	UCMR5	Fifth Unregulated Contaminant Monitoring Rule
MCL	Maximum Contaminant Level	ppt	parts per trillion or nanograms per liter (ng/L)	µS/cm	microSiemen per centimeter; or micromho per centimeter (µmho/cm)
MCLG	Maximum Contaminant Level Goal				

Footnotes

(a) Metropolitan monitors turbidity at the CFE locations using continuous online meters and grab samples. Turbidity, a measure of cloudiness of the water, is an indicator of treatment performance. Turbidity was in compliance with the treatment technique of primary drinking water standard and the secondary drinking water standard of less than 5 NTU.
(b) Per the Surface Water Treatment Rule, treatment techniques that remove or inactivate *Giardia* cysts will also remove HPC bacteria, *Legionella*, and viruses. *Legionella* and virus monitoring are not required.
(c) Compliance is based on monthly samples from the distribution system. No Level 1 Assessments occurred and no *E. coli* was detected.
(d) Metropolitan analyzes HPC bacteria in plant effluent to monitor treatment process efficacy.
(e) Samples collected in 2024 and reported once every three-year compliance cycle until the next required triennial monitoring in 2027.
(f) Metropolitan uses acrylamide for water treatment processes and was in compliance with the treatment technique requirements regarding its use when treating drinking water. Metropolitan does not use any epichlorohydrins.
(g) Compliance with the State MCL for aluminum is based on RAA.
(h) Samples collected in 2020 for the required 9-year monitoring cycle (2020-2028).
(i) As a wholesaler, Metropolitan has no retail customers and is not required to collect samples at consumer taps. Compliance monitoring under Title 22 is required at the treatment plant effluents.
(j) Metropolitan was in compliance with all provisions of the State's fluoridation requirements. When fluoride feed systems were temporarily out of service during treatment plant shutdowns and/or maintenance work, an occasional fluoride level was measured below 0.7 mg/L.
(k) Samples are collected quarterly for gross beta particle activity, and annually for tritium and strontium-90. Gross alpha particle activity, radium, and uranium data are from samples collected quarterly in 2023 for the required triennial monitoring (2023-2025). Radon is monitored voluntarily with the triennial radionuclides.
(l) Compliance with the State and federal MCLs is based on RAA or LRAA, as appropriate. Plant core locations for TTHM and HAA5 are service connections specific to each of the treatment plant effluents.
(m) Metropolitan's TDS compliance data are based on flow-weighted monthly composite samples collected twice per year (April and October). The 12-month statistical summary of flow-weighted data is reported in the "Other Parameters" section.
(n) CCRDL is from DDW's Monitoring Order DW- 2025-0002-DDW for the 29 constituents detected by EPA Methods 533 and/or 537.1. Results below CCRDLs are considered "ND".
(o) Average of the results from the two analytical methods.
(p) Voluntary monitoring of constituents provided for informational purposes.
(q) Positive CCPP indicates non-corrosive; tendency to precipitate and/or deposit scale on pipes. Negative CCPP indicates corrosive; tendency to dissolve calcium carbonate. Reference: Standard Method 2330
(r) AI ≥ 12.0 indicates non-aggressive water; AI 10.0 - 11.9 indicates moderately aggressive water; AI ≤ 10.0 indicates highly aggressive water. Reference: ANSI/AWWA Standard C400-93 (R98)
(s) Positive SI indicates non-corrosive; tendency to precipitate and/or deposit scale on pipes. Negative SI indicates corrosive; tendency to dissolve calcium carbonate. Reference: Standard Method 2330
(t) Statistical summary represents 12 months of flow-weighted data and values may be different than the TDS reported to meet compliance with secondary drinking water standards. Metropolitan's calculated TDS goal is 500 ppm.