

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D  
October 2024

CONSTITUENTS	UNITS	SOURCE WATERS								TREATMENT PLANT EFFLUENTS				
		LAKE HAVASU	SAN JACINTO TUNNEL	LAKE MATHEWS	CASTAIC LAKE	SILVER- WOOD LAKE	LAKE PERRIS	DIAMOND VALLEY LAKE	LAKE SKINNER	WEY-MOUTH	DIEMER	JENSEN	SKINNER	MILLS
SILICA	mg/L	8.8	8.6	8.5	14.1	10.8	4.3	9.1	10.2	9.1	9.1	14.1	9.8	10.6
CALCIUM	mg/L	76	75	72	38	14	27	25	60	59	58	39	61	15
MAGNESIUM	mg/L	26	26	28	14	8	13	11	22	23	22	14	22	8
SODIUM	mg/L	96	97	104	39	27	55	45	82	93	90	46	91	35
POTASSIUM	mg/L	5.2	5.2	5.4	2.6	1.9	3.6	3.2	4.6	4.6	4.4	2.6	4.6	1.9
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	4
ALKALINITY, BICARBONATE AS HCO <sub>3</sub>	mg/L	162	160	150	116	81	121	105	142	133	128	123	131	76
SULFATE	mg/L	225	230	240	87	13	42	39	184	200	196	92	203	21
CHLORIDE	mg/L	95	99	108	37	35	72	57	87	96	93	41	92	41
NITRATE	mg/L	1.7	1.4	0.6	2.4	0.3	<0.1	<0.1	0.4	0.7	0.7	2.5	0.9	1.0
FLUORIDE	mg/L	0.3	0.3	0.4	0.3	<0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	615	622	642	292	151	278	242	521	553	538	313	550	177
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	293	297	291	149	68	120	104	245	241	235	153	243	68
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	133	131	123	95	66	99	86	116	109	105	101	107	68
FREE CARBON DIOXIDE	mg/L	2.5	1.9	1.7	5.8	2.5	2.5	4.4	2.5	1.3	1.3	1.2	1.6	0.2
pH	pH	8.04	8.14	8.17	7.52	7.73	7.91	7.60	7.98	8.23	8.21	8.22	8.14	8.75
SPECIFIC CONDUCTANCE	µS/cm	1000	1010	1040	488	275	516	439	867	912	888	522	903	317
COLOR	CU	5	2	3	10	5	5	5	5	1	1	1	1	2
TURBIDITY	NTU	0.65	0.51	1.3	1.2	1.3	0.87	0.75	2.2	0.04	0.04	0.04	0.05	0.04
TEMPERATURE	°C	25	26	26	15	22	24	18	25	23	24	20	26	22
BROMIDE	mg/L	0.09	0.08	0.10	0.11	0.11	0.23	0.17	0.10	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.38	3.52	4.22	2.99	2.83	4.04	3.05	3.34	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.60	0.58	0.39	0.57	0.40
STATE PROJECT WATER	%	0	0	0	100	100	100	100	25	23	25	100	23	100