

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
January 2025

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	8.6	8.4	8.8	13.0	10.4	5.6	9.0	9.0	8.7	8.6	12.8	8.9	9.9
CALCIUM	mg/L	77	76	75	34	17	26	23	68	74	74	35	70	17
MAGNESIUM	mg/L	26	26	27	14	10	13	11	25	27	27	14	25	10
SODIUM	mg/L	97	97	99	40	37	54	46	90	106	105	46	103	45
POTASSIUM	mg/L	5.1	5.1	5.1	2.7	2.3	3.4	3.2	4.8	5.3	5.3	2.8	5.0	2.4
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	2
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	163	161	160	115	85	118	98	152	156	154	117	140	82
SULFATE	mg/L	225	232	235	77	22	41	41	210	244	249	85	241	29
CHLORIDE	mg/L	97	100	103	42	50	71	59	95	108	109	45	102	58
NITRATE	mg/L	2.0	1.8	1.3	1.5	1.4	0.1	0.9	1.2	1.4	1.4	1.6	1.3	1.9
FLUORIDE	mg/L	0.3	0.3	0.3	0.3	<0.1	0.1	0.1	0.3	0.7	0.8	0.7	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	620	627	634	282	192	273	242	579	653	657	301	627	217
TOTAL HARDNESS AS CaCO ₃	mg/L	301	299	301	142	81	118	103	274	297	298	143	281	81
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	132	131	94	70	97	80	125	128	126	96	115	71
FREE CARBON DIOXIDE	mg/L	2.2	2.5	2.5	2.0	2.5	3.4	7.4	2.9	1.5	1.6	0.9	1.7	0.2
pH	pH	8.09	8.03	8.03	7.97	7.76	7.76	7.34	7.94	8.24	8.21	8.33	8.15	8.81
SPECIFIC CONDUCTANCE	µS/cm	1020	1020	1030	475	353	507	439	950	1050	1060	505	1010	398
COLOR	CU	3	3	2	5	5	5	5	3	1	1	1	2	1
TURBIDITY	NTU	1.6	0.56	0.65	1.4	1.0	1.0	0.41	0.78	0.04	0.03	0.04	0.04	0.04
TEMPERATURE	°C	11	13	16	13	11	14	15	13	14	15	15	16	12
BROMIDE	mg/L	0.08	0.06	0.08	0.13	0.16	0.22	0.19	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.36	3.56	3.30	2.89	2.87	3.97	2.68	3.30	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.66	0.63	0.37	0.51	0.41
STATE PROJECT WATER	%	0	0	0	100	100	100	100	10	1	0	100	8	100