

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D  
July 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	7.8	7.8	7.0	14.7	9.9	3.3	8.6	8.1	8.2	8.2	14.6	8.6	10.2
CALCIUM	mg/L	77	77	73	38	19	27	23	62	59	58	38	62	19
MAGNESIUM	mg/L	26	26	28	13	9	13	11	23	23	22	13	23	9
SODIUM	mg/L	95	97	106	40	39	55	46	87	94	93	45	94	44
POTASSIUM	mg/L	5.1	5.2	5.5	2.6	2.7	3.6	3.4	4.8	4.7	4.7	2.6	4.9	2.6
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	168	166	155	116	83	117	96	143	137	131	122	139	72
SULFATE	mg/L	225	232	241	84	34	42	41	192	196	198	88	199	40
CHLORIDE	mg/L	95	100	111	36	48	71	58	93	98	97	39	97	50
NITRATE	mg/L	2.3	2.1	1.0	2.5	1.5	0.1	1.2	0.7	1.3	1.3	2.6	0.9	2.3
FLUORIDE	mg/L	0.3	0.3	0.4	0.3	<0.1	0.1	0.1	0.3	0.7	0.7	0.8	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	617	630	650	289	205	274	240	542	553	548	305	560	218
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	302	312	304	150	90	123	105	253	244	240	148	250	87
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	138	136	127	95	68	96	79	117	112	107	100	114	65
FREE CARBON DIOXIDE	mg/L	3.7	1.7	2.5	4.6	1.7	2.5	3.7	2.1	1.3	1.4	1.3	1.6	0.2
pH	pH	7.88	8.21	8.01	7.62	7.90	7.89	7.64	8.05	8.23	8.19	8.21	8.15	8.74
SPECIFIC CONDUCTANCE	µS/cm	1030	1040	1080	486	374	515	444	913	933	925	516	937	397
COLOR	CU	5	3	5	5	10	10	3	5	1	1	2	1	1
TURBIDITY	NTU	1.3	0.42	0.91	0.79	1.5	1.0	0.54	1.5	0.04	0.04	0.03	0.05	0.04
TEMPERATURE	°C	26	29	24	14	25	24	17	26	24	25	21	29	27
BROMIDE	mg/L	0.08	0.07	0.10	0.11	0.14	0.23	0.18	0.11	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.29	3.35	3.58	2.90	3.75	4.10	2.73	3.76	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.63	0.59	0.38	0.65	0.54
STATE PROJECT WATER	%	0	0	0	100	100	100	100	24	26	28	100	24	100