

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
August 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	8.2	7.9	7.3	14.6	9.7	3.6	8.6	9.5	8.2	8.3	14.7	9.2	10.1
CALCIUM	mg/L	76	75	69	38	17	26	24	61	58	55	38	62	16
MAGNESIUM	mg/L	25	26	27	13	8	13	11	22	23	22	13	23	8
SODIUM	mg/L	93	95	104	39	31	55	45	85	95	91	45	91	36
POTASSIUM	mg/L	5.1	5.2	5.4	2.6	2.3	3.6	3.3	4.7	4.8	4.6	2.6	4.7	2.3
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	5
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	166	161	143	116	81	118	101	140	132	122	123	135	71
SULFATE	mg/L	225	228	240	85	26	42	41	188	204	195	89	201	30
CHLORIDE	mg/L	95	98	109	36	38	72	58	89	98	94	40	95	41
NITRATE	mg/L	2.1	1.8	0.7	2.5	0.8	<0.1	0.2	0.6	0.8	0.8	2.5	0.7	1.3
FLUORIDE	mg/L	0.3	0.3	0.3	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	613	618	634	289	174	274	242	530	558	532	307	555	186
TOTAL HARDNESS AS CaCO ₃	mg/L	302	298	290	151	82	121	111	250	243	233	151	251	77
TOTAL ALKALINITY AS CaCO ₃	mg/L	136	132	117	95	66	97	83	115	108	100	101	111	66
FREE CARBON DIOXIDE	mg/L	3.6	1.5	1.9	4.8	1.7	1.4	1.3	1.9	1.3	1.3	1.3	1.6	0.2
pH	pH	7.89	8.25	8.10	7.60	7.89	8.14	8.11	8.08	8.23	8.21	8.21	8.16	8.75
SPECIFIC CONDUCTANCE	µS/cm	1010	1020	1060	495	316	522	447	892	946	901	524	935	341
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.68	0.32	0.76	0.93	2.0	1.4	1.2	1.3	0.04	0.04	0.04	0.04	0.05
TEMPERATURE	°C	26	29	27	14	26	26	18	28	26	27	21	31	26
BROMIDE	mg/L	0.08	0.08	0.10	0.12	0.11	0.23	0.18	0.11	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.62	3.44	3.36	2.92	3.52	4.58	3.39	3.50	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.65	0.58	0.39	0.68	0.52
STATE PROJECT WATER	%	0	0	0	100	100	100	100	25	26	30	100	23	100