

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
January 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	8.1	8.2	8.0	14.2	12.0	1.3	8.4	9.1	8.9	8.3	14.4	8.6	11.7
CALCIUM	mg/L	82	82	76	36	21	28	24	46	63	70	36	52	21
MAGNESIUM	mg/L	28	28	28	12	11	13	11	18	25	27	12	20	11
SODIUM	mg/L	108	109	107	42	43	57	45	70	99	109	47	83	50
POTASSIUM	mg/L	5.4	5.5	5.4	2.6	3.0	3.6	3.3	4.0	4.9	5.2	2.6	4.4	3.0
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	165	162	155	109	92	122	96	124	142	144	112	129	77
SULFATE	mg/L	236	241	238	83	34	41	41	125	208	244	87	164	47
CHLORIDE	mg/L	106	112	111	39	58	71	59	81	105	113	43	94	64
NITRATE	mg/L	1.6	1.6	0.7	2.3	3.1	0.3	1.4	1.7	1.6	1.0	2.4	1.7	3.4
FLUORIDE	mg/L	0.3	0.3	0.4	0.3	<0.1	0.1	0.1	0.2	0.7	0.5	0.7	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	658	669	652	286	231	276	241	417	587	650	301	493	252
TOTAL HARDNESS AS CaCO ₃	mg/L	318	317	302	138	97	125	104	192	258	289	135	213	96
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	133	127	89	75	100	79	102	116	118	92	106	67
FREE CARBON DIOXIDE	mg/L	2.4	2.0	2.0	2.6	1.9	1.8	4.1	2.1	1.2	1.7	1.0	1.4	0.3
pH	pH	8.05	8.13	8.12	7.84	7.90	8.06	7.59	7.99	8.31	8.16	8.26	8.20	8.59
SPECIFIC CONDUCTANCE	µS/cm	1070	1060	1040	466	407	506	426	690	942	1030	491	822	446
COLOR	CU	3	3	3	5	10	10	5	10	1	1	1	1	1
TURBIDITY	NTU	1.6	0.45	0.87	2.0	0.61	3.0	0.22	0.49	0.04	0.03	0.03	0.05	0.04
TEMPERATURE	°C	12	12	16	14	11	12	15	13	14	16	15	16	14
BROMIDE	mg/L	0.09	0.06	0.09	0.12	0.17	0.22	0.18	0.14	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.09	3.25	2.98	3.12	3.64	4.23	2.74	3.49	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.60	0.53	0.28	0.42	0.26
STATE PROJECT WATER	%	0	0	0	100	100	100	100	55	21	9	100	40	100