

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
February 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	8.1	7.9	13.9	11.5	1.2	8.4	7.6	7.9	7.9	13.6	7.5	11.2
CALCIUM	mg/L	80	80	73	35	20	27	23	62	72	73	35	67	21
MAGNESIUM	mg/L	28	28	28	12	10	13	11	23	28	28	12	25	11
SODIUM	mg/L	109	110	107	41	42	56	46	90	113	116	46	104	51
POTASSIUM	mg/L	5.4	5.5	5.3	2.6	2.8	3.5	3.4	4.8	5.2	5.3	2.5	5.0	2.9
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	167	165	157	107	87	120	96	145	152	146	110	135	76
SULFATE	mg/L	243	242	234	80	29	42	41	191	239	253	87	212	44
CHLORIDE	mg/L	113	109	109	37	54	71	59	97	114	114	41	107	63
NITRATE	mg/L	1.8	1.7	0.7	2.3	2.7	0.3	1.4	1.4	0.8	0.8	2.3	1.5	3.1
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	<0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	672	667	644	278	216	274	241	550	657	672	295	597	248
TOTAL HARDNESS AS CaCO ₃	mg/L	320	317	303	139	91	120	105	256	295	301	138	268	97
TOTAL ALKALINITY AS CaCO ₃	mg/L	137	135	129	88	71	98	79	119	125	120	90	111	66
FREE CARBON DIOXIDE	mg/L	2.5	2.1	2.4	2.5	2.3	2.0	3.8	2.4	1.5	1.9	1.1	1.6	0.4
pH	pH	8.05	8.11	8.03	7.86	7.80	7.99	7.62	8.00	8.23	8.11	8.23	8.16	8.55
SPECIFIC CONDUCTANCE	µS/cm	1070	1070	1030	453	382	506	426	886	1040	1060	480	958	427
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.2	0.26	0.90	5.2	6.2	1.1	0.31	0.82	0.04	0.03	0.04	0.04	0.04
TEMPERATURE	°C	12	13	16	13	9	12	15	13	14	15	14	16	14
BROMIDE	mg/L	0.10	0.06	0.09	0.12	0.17	0.22	0.18	0.10	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.16	3.11	2.94	3.16	4.34	4.20	2.80	3.30	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.61	0.49	0.23	0.49	0.20
STATE PROJECT WATER	%	0	0	0	100	100	100	100	20	3	1	100	17	100