

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 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	7.5	--	7.6	14.1	11.8	1.9	8.5	4.3	9.2	8.9	13.7	5.1	10.8
CALCIUM	mg/L	81	--	73	36	20	27	24	67	52	57	36	62	21
MAGNESIUM	mg/L	28	--	28	12	10	13	11	25	21	23	12	23	11
SODIUM	mg/L	108	--	109	40	41	56	46	96	91	95	45	95	54
POTASSIUM	mg/L	5.4	--	5.2	2.6	2.8	3.5	3.4	4.9	4.4	4.6	2.6	4.8	3.1
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	--	0	0	0	0	0	0	0	0	0	0	4
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	167	--	156	110	84	116	96	150	124	128	111	131	74
SULFATE	mg/L	250	--	239	82	28	43	41	202	169	192	90	190	47
CHLORIDE	mg/L	109	--	110	36	55	71	58	99	95	101	41	101	69
NITRATE	mg/L	2.1	--	0.8	2.4	2.4	0.3	1.4	0.9	2.0	1.8	2.5	1.0	2.9
FLUORIDE	mg/L	0.3	--	0.3	0.3	<0.1	0.1	0.1	0.3	0.8	0.7	0.7	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	675	--	651	280	213	274	241	574	506	548	299	548	260
TOTAL HARDNESS AS CaCO ₃	mg/L	321	--	302	143	89	119	103	265	219	233	143	249	98
TOTAL ALKALINITY AS CaCO ₃	mg/L	137	--	128	90	69	95	79	123	102	105	91	107	67
FREE CARBON DIOXIDE	mg/L	2.2	--	2.8	2.6	2.1	2.8	4.4	1.6	0.9	1.3	0.9	1.6	0.3
pH	pH	8.11	--	7.97	7.85	7.82	7.84	7.56	8.20	8.35	8.23	8.31	8.12	8.70
SPECIFIC CONDUCTANCE	µS/cm	1060	--	1030	463	378	494	425	913	837	895	492	885	468
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.64	--	1.4	4.5	11.0	0.91	0.40	1.5	0.04	0.04	0.04	0.04	0.04
TEMPERATURE	°C	15	--	16	12	10	13	15	15	14	15	15	18	14
BROMIDE	mg/L	0.10	--	0.09	0.11	0.17	0.23	0.18	0.10	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.14	--	2.96	3.28	4.62	4.22	2.69	3.52	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.53	0.46	0.34	0.45	0.36
STATE PROJECT WATER	%	0	--	0	100	100	100	100	14	43	30	100	30	100

* Not Reported, Out of service.