

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

May 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	7.3	7.4	14.4	10.9	4.1	7.6	3.9	7.4	7.6	14.4	4.9	10.7
CALCIUM	mg/L	83	82	76	37	22	26	24	61	72	72	37	64	21
MAGNESIUM	mg/L	28	27	28	12	11	12	11	22	27	27	13	23	11
SODIUM	mg/L	103	103	108	40	44	53	45	86	110	112	44	99	51
POTASSIUM	mg/L	5.5	5.4	5.4	2.5	3.0	3.4	3.4	4.8	5.2	5.3	2.6	5.0	3.0
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	4
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	167	165	156	113	92	111	99	139	159	146	117	139	84
SULFATE	mg/L	243	245	240	84	35	42	42	178	242	247	87	208	44
CHLORIDE	mg/L	103	105	111	36	58	69	59	92	114	115	39	102	62
NITRATE	mg/L	2.9	2.6	1.0	2.4	2.6	0.7	0.4	0.6	1.0	1.0	2.5	0.8	2.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.3	<0.1	0.1	0.1	0.3	0.7	0.8	0.8	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	660	660	655	285	233	266	242	518	659	661	299	577	252
TOTAL HARDNESS AS CaCO ₃	mg/L	313	316	301	148	99	116	105	243	300	294	152	263	100
TOTAL ALKALINITY AS CaCO ₃	mg/L	137	135	128	93	75	91	81	114	130	120	96	114	75
FREE CARBON DIOXIDE	mg/L	2.5	1.9	2.9	3.4	3.0	3.5	0.8	1.8	1.5	1.6	1.2	1.6	0.3
pH	pH	8.04	8.16	7.95	7.75	7.70	7.72	8.29	8.10	8.24	8.18	8.22	8.17	8.73
SPECIFIC CONDUCTANCE	µS/cm	1040	1050	1060	464	417	487	430	868	1050	1050	490	936	442
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.66	0.37	0.51	1.9	0.91	0.83	0.40	1.1	0.04	0.03	0.04	0.04	0.04
TEMPERATURE	°C	20	20	18	13	13	16	16	19	18	19	18	23	18
BROMIDE	mg/L	0.09	0.08	0.09	0.11	0.18	0.22	0.18	0.13	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.96	3.32	3.13	3.04	4.26	4.20	2.96	2.98	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.69	0.60	0.32	0.60	0.51
STATE PROJECT WATER	%	0	0	0	100	100	100	100	21	2	3	100	20	100