

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

June 2023

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	6.6	6.9	7.9	16.7	9.8	4.5	8.0	4.2	9.2	9.4	16.6	4.4	8.0
CALCIUM	mg/L	79	78	70	40	13	27	24	53	30	29	40	52	18
MAGNESIUM	mg/L	28	28	26	11	5	13	12	20	11	10	11	19	7
SODIUM	mg/L	107	108	98	58	17	60	51	79	48	46	64	83	38
POTASSIUM	mg/L	5.2	5.3	4.7	2.4	1.9	3.6	3.5	4.1	2.7	2.6	2.6	4.2	2.4
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	1	0	0	2
ALKALINITY, BICARBONATE AS HC	mg/L	166	176	156	112	55	120	100	128	87	79	116	123	66
SULFATE	mg/L	239	233	211	88	15	42	44	153	86	78	96	152	34
CHLORIDE	mg/L	110	107	98	52	18	74	63	80	44	43	56	83	40
NITRATE	mg/L	2.0	1.7	0.8	4.6	1.0	1.2	0.5	0.5	1.1	1.2	4.7	0.6	1.3
FLUORIDE	mg/L	0.4	0.3	0.3	0.3	<0.1	0.1	0.1	0.2	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	660	656	595	329	108	285	256	458	276	260	350	460	185
TOTAL HARDNESS AS CaCO ₃	mg/L	307	303	281	141	52	119	109	216	120	111	141	200	75
TOTAL ALKALINITY AS CaCO ₃	mg/L	136	144	128	92	45	98	82	105	71	67	95	101	58
FREE CARBON DIOXIDE	mg/L	1.6	1.3	3.0	3.5	1.4	4.3	1.5	1.1	0.5	0.4	1.2	1.4	0.3
pH	pH	8.23	8.36	7.94	7.73	7.82	7.67	8.04	8.27	8.43	8.51	8.21	8.17	8.64
SPECIFIC CONDUCTANCE	µS/cm	1040	1050	973	544	187	528	467	776	473	436	576	773	332
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.96	0.25	1.3	2.0	2.6	0.52	0.59	0.61	0.05	0.05	0.04	0.05	0.05
TEMPERATURE	°C	22	24	16	12	20	15	16	18	20	20	16	24	22
BROMIDE	mg/L	0.10	0.08	0.08	0.19	0.05	0.24	0.20	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.14	2.89	2.88	3.04	4.12	4.10	3.08	3.46	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.34	0.38	0.29	0.46	0.28
STATE PROJECT WATER	%	0	0	0	100	100	100	100	36	72	76	100	41	100