

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

May 2021

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	7.3	7.1	7.7	12.7	5.6	0.7	6.1	6.2	7.3	7.3	12.4	6.5	6.4
CALCIUM	mg/L	66	66	71	27	25	24	24	66	67	71	27	67	26
MAGNESIUM	mg/L	24	24	26	12	12	12	12	25	25	27	11	25	12
SODIUM	mg/L	85	86	96	52	72	58	55	87	95	97	57	95	70
POTASSIUM	mg/L	4.1	4.2	4.8	2.6	2.9	3.2	3.4	4.5	4.4	4.7	2.6	4.5	3.4
CARBONATE	mg/L	0	0	0	0	1	0	0	1	0	0	0	0	1
BICARBONATE	mg/L	167	165	162	105	105	115	100	156	156	157	109	152	98
SULFATE	mg/L	200	202	210	50	51	42	46	190	215	214	54	201	59
CHLORIDE	mg/L	85	87	90	63	89	78	68	87	94	94	66	92	81
NITRATE	mg/L	1.5	1.5	1.1	1.7	1.5	<0.1	0.8	0.8	1.2	1.2	1.7	0.8	1.9
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	557	561	588	274	313	276	265	546	588	596	287	568	310
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	278	277	280	108	109	115	108	252	273	277	109	265	110
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	137	135	133	86	88	94	82	130	128	129	89	125	82
FREE CARBON DIOXIDE	mg/L	1.5	1.3	1.4	2.2	0.7	1.3	5.5	1.2	2.1	1.9	0.9	1.9	0.6
pH	pH	8.27	8.33	8.28	7.89	8.39	8.17	7.48	8.35	8.10	8.15	8.30	8.13	8.44
SPECIFIC CONDUCTANCE	µS/cm	918	928	952	489	569	525	482	894	983	980	518	948	570
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.36	0.36	0.69	0.53	0.76	0.34	0.53	0.70	0.04	0.03	0.04	0.05	0.05
TEMPERATURE	°C	20	21	18	13	15	17	14	20	19	20	18	23	19
BROMIDE	mg/L	0.08	0.06	0.08	0.20	0.30	0.25	0.22	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.00	2.85	3.08	2.46	3.05	3.96	2.64	3.02	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.57	0.64	0.26	0.63	0.33
STATE PROJECT WATER	%	0	0	0	100	100	100	100	10	0	0	100	8	100