

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

April 2022

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	7.1	6.7	7.8	15.1	3.9	1.8	5.7	2.7	7.5	7.6	15.2	4.4	6.1
CALCIUM	mg/L	71	72	69	30	26	27	24	59	68	66	32	63	25
MAGNESIUM	mg/L	25	25	25	7	5	14	12	23	25	24	8	24	12
SODIUM	mg/L	90	91	90	66	64	62	53	83	98	95	71	96	60
POTASSIUM	mg/L	4.5	4.5	4.5	2.0	1.9	3.6	3.5	4.2	4.5	4.4	2.0	4.4	3.6
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	1	0	0	0	0	0	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO <sub>3</sub>	mg/L	167	167	163	98	96	128	104	154	154	155	102	145	101
SULFATE	mg/L	202	212	209	67	53	44	47	180	212	213	71	206	57
CHLORIDE	mg/L	91	95	95	70	63	86	70	92	98	98	73	98	76
NITRATE	mg/L	1.6	1.6	1.0	3.7	1.6	<0.1	0.2	0.4	1.1	1.1	3.8	0.5	0.5
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	577	592	583	310	267	302	268	522	592	587	327	570	292
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	284	283	276	107	85	127	113	249	277	275	107	263	115
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	139	137	134	80	79	105	85	126	126	127	84	119	83
FREE CARBON DIOXIDE	mg/L	1.3	1.2	1.5	2.0	0.9	1.5	1.5	1.6	1.9	1.9	0.9	1.8	0.7
pH	pH	8.35	8.36	8.26	7.91	8.25	8.14	8.06	8.20	8.14	8.13	8.30	8.14	8.39
SPECIFIC CONDUCTANCE	µS/cm	943	950	939	532	475	565	493	868	964	965	557	944	522
COLOR	CU	3	3	3	5	5	3	5	3	1	1	1	1	1
TURBIDITY	NTU	1.3	0.48	1.3	1.9	1.7	0.59	0.47	7.0	0.05	0.04	0.04	0.05	0.04
TEMPERATURE	°C	18	18	17	13	12	14	16	20	17	18	17	21	19
BROMIDE	mg/L	0.08	0.06	0.08	0.24	0.23	0.26	0.21	0.05	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.98	2.99	3.03	1.78	2.89	3.93	2.74	3.29	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.56	0.56	0.27	0.58	0.34
STATE PROJECT WATER	%	0	0	0	100	100	100	100	17	0	0	100	11	100