

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
February 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	8.0	--	8.7	12.0	8.2	0.7	5.8	8.0	8.3	7.8	12.0	7.7	4.7
CALCIUM	mg/L	69	--	68	26	20	23	23	64	43	49	25	68	21
MAGNESIUM	mg/L	26	--	26	11	12	12	12	25	19	20	11	23	12
SODIUM	mg/L	91	--	95	51	59	58	54	90	85	86	55	94	64
POTASSIUM	mg/L	4.5	--	4.7	2.5	3.0	3.1	3.2	4.4	3.8	4.1	2.5	4.6	3.1
CARBONATE	mg/L	0	--	0	0	0	0	0	0	0	0	2	0	1
BICARBONATE	mg/L	165	--	162	99	102	112	101	161	131	132	99	144	100
SULFATE	mg/L	211	--	212	50	31	41	45	204	152	164	57	199	45
CHLORIDE	mg/L	88	--	90	58	83	77	67	88	94	93	62	93	86
NITRATE	mg/L	1.3	--	0.9	1.5	0.7	0.1	0.1	0.8	1.0	1.0	1.6	0.9	1.2
FLUORIDE	mg/L	0.3	--	0.3	0.1	0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	582	--	587	262	268	271	261	565	472	492	278	563	289
TOTAL HARDNESS AS CaCO ₃	mg/L	279	--	279	110	100	111	106	271	191	214	110	273	107
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	--	133	81	84	92	83	132	107	108	85	118	84
FREE CARBON DIOXIDE	mg/L	1.8	--	1.7	2.1	1.4	1.5	3.1	1.7	1.5	1.7	0.6	1.9	0.6
pH	pH	8.18	--	8.19	7.89	8.09	8.10	7.73	8.21	8.15	8.11	8.44	8.10	8.49
SPECIFIC CONDUCTANCE	µS/cm	950	--	954	470	504	512	483	932	820	844	500	923	550
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.70	--	1.0	0.84	0.58	0.75	0.41	0.57	0.04	0.03	0.04	0.05	0.05
TEMPERATURE	°C	11	--	13	12	9	12	14	12	13	14	15	16	14
BROMIDE	mg/L	0.08	--	0.07	0.19	0.26	0.24	0.21	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.14	--	3.00	2.50	3.40	3.73	2.65	3.06	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.29	0.31	0.34	0.48	0.28
STATE PROJECT WATER	%	0	--	0	100	100	100	100	0	38	37	100	11	100

* Not Reported, Out of service.