

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
July 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	7.4	6.8	6.9	11.5	8.0	0.9	5.9	6.7	7.2	7.2	11.8	6.2	6.5
CALCIUM	mg/L	67	70	70	29	26	25	25	69	69	69	27	70	26
MAGNESIUM	mg/L	24	26	26	12	10	14	13	25	24	24	11	25	12
SODIUM	mg/L	83	88	91	59	70	61	53	88	101	99	62	100	64
POTASSIUM	mg/L	4.1	4.2	4.5	2.8	2.8	3.3	3.4	4.6	4.5	4.6	2.7	4.6	3.5
CARBONATE	mg/L	0	1	0	0	0	0	0	1	0	0	0	0	0
BICARBONATE	mg/L	170	163	161	102	109	115	101	161	155	155	109	151	105
SULFATE	mg/L	197	197	204	50	53	41	47	195	211	208	54	209	52
CHLORIDE	mg/L	86	87	89	66	82	80	69	87	93	91	70	92	72
NITRATE	mg/L	1.4	1.1	1.0	1.9	1.7	<0.1	1.1	0.6	1.0	1.1	2.0	0.7	1.3
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	555	563	573	283	308	283	268	558	589	582	296	584	291
TOTAL HARDNESS AS CaCO ₃	mg/L	277	265	267	119	105	112	108	265	275	276	116	275	116
TOTAL ALKALINITY AS CaCO ₃	mg/L	139	136	132	84	89	94	83	134	127	127	89	124	86
FREE CARBON DIOXIDE	mg/L	2.2	1.2	1.2	3.6	1.1	0.5	4.2	1.2	2.0	2.0	1.2	1.8	0.9
pH	pH	8.10	8.37	8.34	7.68	8.23	8.58	7.60	8.36	8.12	8.11	8.17	8.14	8.31
SPECIFIC CONDUCTANCE	µS/cm	914	918	937	511	559	534	490	919	970	963	530	960	528
COLOR	CU	3	2	3	1	5	3	5	3	1	1	2	1	1
TURBIDITY	NTU	0.47	0.25	0.42	1.8	0.76	0.72	0.29	0.70	0.04	0.04	0.04	0.06	0.04
TEMPERATURE	°C	24	28	24	14	20	24	15	26	24	26	22	30	23
BROMIDE	mg/L	0.07	0.07	0.08	0.23	0.27	0.25	0.22	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.99	3.09	3.24	2.31	2.66	4.18	2.42	3.07	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.64	0.66	0.18	0.74	0.30
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100