

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D  
October 2020

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	7.8	8.0	12.0	11.7	0.9	1.9	6.6	8.4	8.2	11.9	7.5	12.3
CALCIUM	mg/L	70	69	64	27	21	25	21	68	65	67	27	72	21
MAGNESIUM	mg/L	25	25	25	11	9	13	12	25	26	26	11	26	10
SODIUM	mg/L	87	88	89	40	46	59	54	88	97	98	48	98	55
POTASSIUM	mg/L	4.5	4.6	4.5	2.4	2.4	3.4	3.4	4.6	4.6	4.7	2.5	4.8	2.5
CARBONATE	mg/L	0	2	0	0	0	2	4	0	0	0	1	0	0
BICARBONATE	mg/L	161	152	149	93	96	105	83	157	145	146	102	148	92
SULFATE	mg/L	206	210	214	51	34	42	47	199	211	217	56	208	43
CHLORIDE	mg/L	86	88	91	47	56	80	69	88	93	94	51	92	62
NITRATE	mg/L	1.0	0.8	0.2	1.8	1.0	<0.1	<0.1	0.4	0.4	0.4	1.9	0.6	1.3
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	568	571	570	239	229	278	254	558	579	589	262	584	254
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	264	262	254	111	80	102	94	252	256	261	107	273	84
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	132	129	122	76	79	90	74	129	119	120	86	121	75
FREE CARBON DIOXIDE	mg/L	2.0	1.2	1.4	6.4	1.5	0.7	0.1	1.5	1.9	1.9	0.6	1.8	0.8
pH	pH	8.12	8.33	8.25	7.38	8.02	8.44	9.27	8.25	8.10	8.10	8.45	8.14	8.28
SPECIFIC CONDUCTANCE	µS/cm	928	943	945	429	401	528	477	907	963	975	468	956	455
COLOR	CU	3	3	3	10	10	5	3	3	1	1	3	1	3
TURBIDITY	NTU	0.63	0.38	0.67	0.60	0.51	0.50	0.38	0.72	0.05	0.04	0.04	0.06	0.07
TEMPERATURE	°C	24	25	26	17	22	24	24	26	24	27	21	27	26
BROMIDE	mg/L	0.08	0.06	0.08	0.15	0.18	0.26	0.22	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.36	3.37	3.26	2.54	3.35	4.19	3.22	3.22	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.65	0.69	0.48	0.73	0.27
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	1	0	100	0	100