

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 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	8.1	8.0	8.2	12.9	14.2	0.6	5.6	8.6	6.8	8.2	12.8	8.4	4.6
CALCIUM	mg/L	66	68	65	31	26	25	25	65	65	67	31	68	24
MAGNESIUM	mg/L	25	25	26	11	6	13	12	26	25	25	11	25	12
SODIUM	mg/L	89	88	91	65	65	63	55	91	101	99	70	101	62
POTASSIUM	mg/L	4.3	4.5	4.4	2.6	2.2	3.6	3.5	4.6	4.7	4.7	2.6	4.7	3.6
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
BICARBONATE	mg/L	156	157	163	110	95	122	101	159	152	152	112	148	100
SULFATE	mg/L	204	208	208	64	54	43	48	206	220	213	68	217	56
CHLORIDE	mg/L	91	93	93	72	65	86	71	93	97	96	76	96	75
NITRATE	mg/L	0.9	0.9	0.6	1.7	1.6	<0.1	<0.1	0.6	0.7	0.7	1.8	0.8	0.3
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	567	574	578	315	282	295	271	575	597	590	330	596	288
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	271	275	265	126	93	123	113	271	276	274	125	275	114
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	128	129	134	90	78	100	83	130	125	125	92	121	82
FREE CARBON DIOXIDE	mg/L	1.6	1.3	1.8	1.7	1.4	1.9	1.3	1.6	1.8	2.0	1.1	2.0	0.8
pH	pH	8.22	8.30	8.17	8.02	8.04	8.04	8.12	8.23	8.14	8.11	8.23	8.10	8.32
SPECIFIC CONDUCTANCE	µS/cm	924	934	938	557	490	556	492	931	969	961	583	960	526
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.8	0.71	12.0	2.9	1.6	0.72	1.1	1.0	0.04	0.04	0.04	0.06	0.04
TEMPERATURE	°C	20	21	22	18	17	19	17	20	20	21	20	22	19
BROMIDE	mg/L	0.08	0.06	0.08	0.24	0.23	0.26	0.22	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.47	3.10	3.02	2.19	2.88	4.04	3.08	3.06	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.59	0.57	0.27	0.56	0.22
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100