

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

July 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	6.9	7.1	7.2	14.9	5.2	0.4	6.2	7.8	7.3	7.4	15.0	7.0	6.2
CALCIUM	mg/L	74	71	68	31	26	28	29	69	67	66	31	69	28
MAGNESIUM	mg/L	26	25	26	7	5	14	13	26	26	26	7	26	12
SODIUM	mg/L	93	94	95	64	64	66	56	95	100	101	68	100	60
POTASSIUM	mg/L	4.4	4.5	4.6	1.9	1.8	3.7	3.6	4.5	4.6	4.5	1.9	4.5	3.5
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	0	1	0	0	0	2	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO <sub>3</sub>	mg/L	170	166	161	100	100	127	117	163	152	155	105	154	115
SULFATE	mg/L	212	210	207	67	53	43	48	208	229	225	70	229	55
CHLORIDE	mg/L	96	96	95	65	62	87	71	97	105	105	69	106	76
NITRATE	mg/L	1.3	1.1	1.0	3.8	1.5	<0.1	0.9	0.7	1.1	1.1	3.9	0.8	1.2
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	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	599	593	585	304	269	308	286	590	617	614	319	620	300
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	286	283	278	107	85	127	123	281	277	277	107	283	115
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	139	138	132	82	82	108	96	134	125	127	86	126	94
FREE CARBON DIOXIDE	mg/L	1.7	1.1	1.9	3.1	1.7	0.7	4.0	1.6	1.8	2.0	1.1	1.7	1.2
pH	pH	8.21	8.41	8.14	7.73	7.98	8.47	7.69	8.22	8.15	8.11	8.20	8.19	8.21
SPECIFIC CONDUCTANCE	µS/cm	972	975	967	538	486	586	518	976	1000	992	564	1010	554
COLOR	CU	3	2	2	5	5	3	3	2	1	1	1	2	1
TURBIDITY	NTU	1.6	0.41	1.2	3.2	1.6	1.6	0.28	0.55	0.05	0.04	0.04	0.05	0.05
TEMPERATURE	°C	24	27	24	16	18	21	15	26	25	27	23	30	24
BROMIDE	mg/L	0.08	0.08	0.08	0.24	0.23	0.27	0.22	0.04	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.16	3.12	2.96	1.71	2.52	4.26	2.56	3.17	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.67	0.67	0.27	0.80	0.30
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	1	100	0	100