

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 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	8.2	8.1	8.3	15.1	14.2	1.0	4.8	8.0	8.3	8.3	15.5	8.2	4.7
CALCIUM	mg/L	74	74	72	33	24	29	25	72	71	71	33	71	25
MAGNESIUM	mg/L	26	27	26	6	7	15	13	26	26	26	6	26	13
SODIUM	mg/L	97	99	98	66	71	71	57	98	104	104	71	104	61
POTASSIUM	mg/L	4.8	4.8	4.9	2.2	2.4	4.2	3.8	4.8	4.8	5.0	2.1	5.0	4.0
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	163	167	161	101	89	133	104	162	159	157	105	155	104
SULFATE	mg/L	221	214	217	70	58	46	50	217	231	225	74	228	56
CHLORIDE	mg/L	100	98	98	63	73	92	75	101	105	104	67	106	78
NITRATE	mg/L	0.7	0.7	0.7	2.9	1.4	<0.1	<0.1	0.5	0.8	0.8	3.0	0.7	0.6
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	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	614	609	606	309	295	325	281	609	631	623	325	627	295
TOTAL HARDNESS AS CaCO ₃	mg/L	291	288	286	110	85	132	116	287	292	290	114	290	118
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	137	132	83	73	109	85	133	130	129	86	127	85
FREE CARBON DIOXIDE	mg/L	1.8	1.4	1.5	2.6	2.0	1.5	0.9	1.6	2.0	2.0	1.0	1.8	0.8
pH	pH	8.18	8.31	8.25	7.82	7.86	8.18	8.28	8.24	8.13	8.12	8.24	8.16	8.32
SPECIFIC CONDUCTANCE	µS/cm	998	1000	997	531	528	618	511	995	980	1000	560	1030	536
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	4.3	1.5	3.3	3.5	1.0	1.0	0.73	0.98	0.04	0.04	0.04	0.04	0.05
TEMPERATURE	°C	21	20	22	18	17	19	17	21	19	20	19	21	19
BROMIDE	mg/L	0.09	0.08	0.05	0.24	0.27	0.30	0.23	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.02	3.00	2.78	1.98	3.06	4.42	3.16	2.98	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.59	0.59	0.26	0.65	0.22
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100