

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 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	7.2	7.3	8.3	14.7	3.6	2.6	3.0	3.7	8.0	8.1	14.7	3.4	6.1
CALCIUM	mg/L	75	71	75	31	26	27	25	53	70	73	31	60	25
MAGNESIUM	mg/L	26	25	27	8	5	14	13	21	26	26	8	23	12
SODIUM	mg/L	94	94	94	66	65	65	55	81	96	99	70	91	62
POTASSIUM	mg/L	4.5	4.7	4.5	2.1	1.8	3.7	3.6	4.3	4.6	4.6	2.0	4.4	3.6
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	2	0	0	2	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	170	167	165	98	90	128	105	122	154	154	102	134	100
SULFATE	mg/L	207	210	203	64	54	43	47	140	215	216	69	183	56
CHLORIDE	mg/L	92	94	92	69	64	86	70	83	99	100	72	96	76
NITRATE	mg/L	1.7	1.5	0.9	3.5	1.5	<0.1	0.5	0.1	1.0	1.0	3.6	0.3	0.7
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.2	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	593	591	587	310	268	305	270	449	597	605	322	529	295
TOTAL HARDNESS AS CaCO ₃	mg/L	284	279	274	106	83	120	112	212	275	275	106	234	114
TOTAL ALKALINITY AS CaCO ₃	mg/L	139	137	135	80	78	105	86	104	126	126	84	110	82
FREE CARBON DIOXIDE	mg/L	1.8	1.5	1.5	1.6	0.3	2.0	2.7	0.8	1.9	1.9	0.8	1.7	0.7
pH	pH	8.19	8.28	8.26	8.00	8.67	8.03	7.81	8.44	8.14	8.12	8.32	8.13	8.39
SPECIFIC CONDUCTANCE	µS/cm	949	951	937	528	478	564	496	765	957	964	552	869	526
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.94	0.77	0.87	1.4	2.2	1.1	0.30	0.81	0.04	0.04	0.04	0.05	0.04
TEMPERATURE	°C	13	14	15	12	10	13	14	14	15	16	16	18	17
BROMIDE	mg/L	0.08	0.07	0.08	0.25	0.24	0.27	0.22	0.13	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	3.12	3.20	1.85	2.92	3.77	2.69	3.44	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.52	0.52	0.27	0.45	0.26
STATE PROJECT WATER	%	0	0	0	100	100	100	100	43	0	0	100	29	100