

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

May 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	7.1	6.8	7.3	14.9	6.1	1.3	6.2	3.4	7.3	7.2	14.8	5.0	6.6
CALCIUM	mg/L	70	69	67	31	26	28	25	62	71	68	32	66	25
MAGNESIUM	mg/L	25	24	25	7	5	14	13	24	26	25	7	24	12
SODIUM	mg/L	90	91	92	66	64	65	55	90	100	98	73	95	61
POTASSIUM	mg/L	4.5	4.5	4.4	2.0	1.9	3.7	3.6	4.4	4.6	4.6	2.1	4.6	3.6
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	1	0	0	0	4	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	170	167	163	100	101	122	106	160	157	156	105	150	104
SULFATE	mg/L	210	209	209	65	56	46	46	194	213	212	69	210	54
CHLORIDE	mg/L	95	95	95	67	65	87	68	93	98	98	71	99	74
NITRATE	mg/L	1.6	1.6	1.2	3.8	3.0	<0.1	0.6	0.6	1.2	1.2	3.9	0.8	0.8
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	588	586	583	307	278	310	271	552	600	593	326	580	290
TOTAL HARDNESS AS CaCO ₃	mg/L	284	281	278	107	89	127	112	265	280	278	107	266	114
TOTAL ALKALINITY AS CaCO ₃	mg/L	139	139	134	82	83	106	87	131	129	128	86	123	85
FREE CARBON DIOXIDE	mg/L	1.4	1.2	1.4	2.4	4.6	0.5	3.8	1.2	1.9	2.0	0.9	1.7	0.7
pH	pH	8.31	8.37	8.28	7.84	7.56	8.60	7.67	8.33	8.13	8.12	8.29	8.17	8.39
SPECIFIC CONDUCTANCE	µS/cm	942	951	946	518	486	569	491	907	963	965	552	959	522
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.60	0.57	1.1	2.2	1.4	0.78	0.42	0.86	0.05	0.04	0.04	0.05	0.04
TEMPERATURE	°C	21	21	20	13	18	19	14	20	19	20	19	24	20
BROMIDE	mg/L	0.08	0.06	0.08	0.24	0.24	0.28	0.21	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.14	2.98	3.02	1.78	2.81	4.04	2.60	3.20	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.56	0.59	0.29	0.66	0.32
STATE PROJECT WATER	%	0	0	0	100	100	100	100	11	0	0	100	6	100