

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

June 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	6.6	7.0	14.2	5.2	1.9	6.0	5.9	7.0	7.0	14.7	6.7	6.3
CALCIUM	mg/L	71	70	68	31	26	26	28	68	68	69	31	69	27
MAGNESIUM	mg/L	25	25	24	7	5	14	12	25	25	26	7	25	12
SODIUM	mg/L	94	93	92	65	64	66	56	95	97	96	69	100	59
POTASSIUM	mg/L	4.5	4.4	4.5	2.0	1.9	3.7	3.6	4.7	4.6	4.6	2.0	4.7	3.6
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	1	0	0	0	2	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	168	163	162	100	96	122	113	163	156	156	106	155	110
SULFATE	mg/L	208	210	211	66	54	44	49	206	215	215	70	215	54
CHLORIDE	mg/L	94	95	95	66	63	87	72	95	99	99	70	100	74
NITRATE	mg/L	1.4	1.3	1.2	3.8	2.0	<0.1	0.9	0.8	1.2	1.2	3.9	0.9	1.0
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	589	588	584	305	269	306	284	582	596	597	321	600	293
TOTAL HARDNESS AS CaCO ₃	mg/L	286	285	280	105	84	125	121	278	279	279	106	266	118
TOTAL ALKALINITY AS CaCO ₃	mg/L	138	136	133	82	79	104	93	134	128	128	87	127	90
FREE CARBON DIOXIDE	mg/L	1.7	1.1	1.4	2.7	1.8	0.6	3.9	1.2	1.9	2.1	0.9	1.6	0.8
pH	pH	8.22	8.41	8.27	7.79	7.96	8.55	7.68	8.34	8.14	8.09	8.30	8.20	8.36
SPECIFIC CONDUCTANCE	µS/cm	948	947	942	535	469	564	495	934	984	983	560	995	541
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.69	0.38	1.4	2.7	1.5	1.0	0.43	0.38	0.05	0.04	0.04	0.05	0.05
TEMPERATURE	°C	22	25	22	15	16	20	15	23	22	23	21	27	22
BROMIDE	mg/L	0.08	0.07	0.08	0.24	0.23	0.27	0.22	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.98	2.70	2.80	1.69	2.35	3.95	2.62	3.08	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.63	0.60	0.33	0.74	0.37
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100