

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

September 2021

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	6.1	7.2	7.5	10.3	14.4	1.0	6.1	6.9	7.7	7.7	10.0	7.3	6.7
CALCIUM	mg/L	67	70	63	30	24	26	27	68	67	66	33	69	29
MAGNESIUM	mg/L	24	25	24	12	7	14	12	26	25	25	12	25	12
SODIUM	mg/L	90	91	89	60	68	65	52	91	98	95	67	99	61
POTASSIUM	mg/L	4.6	4.5	4.4	2.7	2.3	4.0	3.4	4.4	4.3	4.4	2.8	4.6	3.4
CARBONATE	mg/L	1	1	1	0	0	4	0	1	0	0	0	0	0
BICARBONATE	mg/L	154	156	152	110	100	111	111	156	149	146	116	146	115
SULFATE	mg/L	201	199	201	63	58	43	45	198	217	215	68	219	52
CHLORIDE	mg/L	89	89	90	74	66	84	68	90	97	97	77	97	75
NITRATE	mg/L	0.6	0.8	0.3	1.1	0.9	<0.1	0.3	0.2	0.4	0.4	1.2	0.3	0.5
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	561	566	556	308	291	297	269	564	592	584	330	595	298
TOTAL HARDNESS AS CaCO ₃	mg/L	274	272	268	131	100	122	119	270	270	269	130	274	122
TOTAL ALKALINITY AS CaCO ₃	mg/L	128	130	127	90	82	97	91	130	122	120	95	120	94
FREE CARBON DIOXIDE	mg/L	1.2	1.2	1.1	3.7	1.1	0.5	3.2	1.1	1.8	1.8	1.1	1.7	1.2
pH	pH	8.35	8.36	8.38	7.69	8.20	8.61	7.76	8.40	8.14	8.12	8.23	8.15	8.21
SPECIFIC CONDUCTANCE	µS/cm	924	927	927	554	512	558	491	924	957	952	577	959	532
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.74	0.66	2.6	2.6	1.9	0.71	0.56	1.1	0.04	0.04	0.04	0.06	0.05
TEMPERATURE	°C	27	28	27	20	23	25	16	26	26	27	23	29	22
BROMIDE	mg/L	0.08	0.06	0.08	0.25	0.23	0.26	0.20	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.56	3.24	3.08	2.30	3.44	4.29	2.60	3.18	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.64	0.63	0.33	0.70	0.25
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100