

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

January 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	8.2	8.3	8.7	12.3	9.9	1.7	5.2	8.7	9.0	8.8	11.7	8.2	9.3
CALCIUM	mg/L	68	68	73	27	21	25	23	72	68	66	26	68	21
MAGNESIUM	mg/L	26	25	27	11	12	13	12	25	26	26	11	25	12
SODIUM	mg/L	93	88	92	51	59	58	51	87	98	96	55	99	70
POTASSIUM	mg/L	4.5	4.4	4.7	2.6	3.0	3.4	3.3	4.4	4.8	4.8	2.5	4.7	3.0
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	1	0	1
BICARBONATE	mg/L	165	163	160	98	102	112	101	161	152	152	102	145	95
SULFATE	mg/L	205	209	211	50	30	40	45	203	225	222	55	218	42
CHLORIDE	mg/L	87	88	90	56	81	76	68	88	96	96	60	95	88
NITRATE	mg/L	1.2	1.1	0.7	1.5	0.8	0.1	<0.1	0.7	0.8	0.9	1.6	0.9	1.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	576	574	587	260	268	273	258	570	604	597	276	592	296
TOTAL HARDNESS AS CaCO ₃	mg/L	279	273	277	109	98	113	106	271	281	281	109	276	101
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	134	131	80	84	92	83	132	125	125	86	119	80
FREE CARBON DIOXIDE	mg/L	1.7	1.5	1.8	2.1	1.4	2.0	3.4	1.6	2.0	1.9	0.6	2.0	0.5
pH	pH	8.20	8.25	8.17	7.88	8.08	7.98	7.69	8.22	8.10	8.13	8.44	8.09	8.50
SPECIFIC CONDUCTANCE	µS/cm	935	935	945	457	496	513	478	928	989	975	482	955	546
COLOR	CU	3	3	3	10	10	10	5	5	1	1	2	3	1
TURBIDITY	NTU	0.43	0.31	0.91	0.87	0.55	0.64	0.34	0.36	0.04	0.03	0.04	0.05	0.06
TEMPERATURE	°C	11	12	14	13	9	12	14	13	13	15	15	16	13
BROMIDE	mg/L	0.08	0.05	0.07	0.18	0.26	0.24	0.22	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.06	3.06	2.90	2.42	3.43	3.68	2.75	3.04	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.46	0.52	0.36	0.47	0.24
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100