

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

April 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	7.7	7.3	8.4	12.4	5.6	0.6	5.8	6.0	8.0	7.8	12.1	6.3	5.4
CALCIUM	mg/L	68	67	68	26	24	24	24	59	70	66	27	62	24
MAGNESIUM	mg/L	24	24	25	11	11	12	13	22	26	24	12	23	12
SODIUM	mg/L	87	88	92	51	67	58	54	81	101	93	61	92	76
POTASSIUM	mg/L	4.3	4.2	4.5	2.5	3.0	3.3	3.4	4.2	4.7	4.2	2.6	4.3	3.0
CARBONATE	mg/L	0	1	0	0	2	0	1	1	0	0	2	0	1
BICARBONATE	mg/L	168	162	161	100	102	115	98	150	156	154	100	150	94
SULFATE	mg/L	204	206	210	51	47	42	46	170	217	215	61	197	67
CHLORIDE	mg/L	86	88	90	61	89	77	68	84	95	95	65	92	93
NITRATE	mg/L	1.7	1.6	1.0	1.6	1.3	<0.1	<0.1	0.7	1.1	1.1	1.6	1.0	1.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.8	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	567	568	580	267	301	274	264	503	602	584	295	553	331
TOTAL HARDNESS AS CaCO ₃	mg/L	281	279	282	111	111	113	109	242	273	276	110	264	111
TOTAL ALKALINITY AS CaCO ₃	mg/L	138	135	132	82	88	94	82	125	128	126	86	123	79
FREE CARBON DIOXIDE	mg/L	1.4	1.2	1.4	2.0	0.5	1.5	0.6	1.1	2.0	1.9	0.7	1.8	0.5
pH	pH	8.30	8.36	8.28	7.92	8.56	8.11	8.48	8.38	8.11	8.14	8.42	8.15	8.49
SPECIFIC CONDUCTANCE	µS/cm	940	945	948	481	567	522	480	852	965	965	519	918	612
COLOR	CU	3	3	3	5	10	10	5	5	1	1	2	1	1
TURBIDITY	NTU	0.39	0.23	0.64	0.57	0.56	0.84	0.45	0.49	0.04	0.03	0.03	0.05	0.06
TEMPERATURE	°C	16	18	16	13	13	14	14	18	16	17	17	21	17
BROMIDE	mg/L	0.08	0.06	0.08	0.20	0.30	0.25	0.21	0.11	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.92	2.90	2.97	2.46	3.00	3.90	2.67	2.92	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.52	0.57	0.35	0.61	0.34
STATE PROJECT WATER	%	0	0	0	100	100	100	100	21	1	0	100	11	100