

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

June 2020

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	6.7	6.8	6.0	11.3	8.7	0.9	8.1	5.3	7.0	7.1	11.2	7.3	10.0
CALCIUM	mg/L	70	71	67	24	24	23	24	41	66	68	25	43	23
MAGNESIUM	mg/L	25	25	26	11	10	12	12	16	25	26	11	17	9
SODIUM	mg/L	85	89	93	40	48	54	50	62	94	98	44	72	55
POTASSIUM	mg/L	4.4	4.6	4.7	2.5	2.4	3.2	3.3	3.7	4.5	4.7	2.4	3.9	2.4
CARBONATE	mg/L	0	4	2	0	0	1	0	0	0	0	0	0	1
BICARBONATE	mg/L	165	155	145	92	99	100	96	121	146	145	98	121	94
SULFATE	mg/L	208	209	213	48	41	41	44	102	225	222	52	121	48
CHLORIDE	mg/L	86	87	90	49	56	75	66	73	96	95	53	81	61
NITRATE	mg/L	1.4	1.3	0.6	1.7	1.7	0.2	1.4	0.2	0.7	0.7	1.7	0.4	2.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	<0.1	<0.1	0.1	0.2	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	569	575	575	234	241	260	257	364	592	595	250	407	260
TOTAL HARDNESS AS CaCO ₃	mg/L	277	272	267	104	91	107	102	164	270	276	106	177	94
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	133	123	75	81	84	79	99	120	119	80	99	79
FREE CARBON DIOXIDE	mg/L	2.0	0.9	0.9	4.8	1.0	0.7	6.2	1.2	2.1	2.2	0.8	1.5	0.6
pH	pH	8.13	8.47	8.43	7.50	8.21	8.41	7.41	8.23	8.07	8.05	8.29	8.13	8.43
SPECIFIC CONDUCTANCE	µS/cm	931	961	952	416	430	503	475	642	989	986	445	709	464
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.3	0.23	0.54	0.54	1.0	0.41	0.43	0.71	0.04	0.04	0.04	0.06	0.06
TEMPERATURE	°C	22	24	22	13	16	22	14	22	23	26	20	26	22
BROMIDE	mg/L	0.10	0.06	0.09	0.15	0.18	0.25	0.21	0.16	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.06	3.01	3.06	2.72	3.36	3.85	2.47	3.08	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.56	0.57	0.26	0.42	0.36
STATE PROJECT WATER	%	0	0	0	100	100	100	100	58	0	0	100	50	100