

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

September 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	8.2	8.2	7.2	11.4	13.9	1.2	2.1	6.6	7.9	7.6	11.8	6.5	13.2
CALCIUM	mg/L	71	68	63	26	22	24	19	62	67	65	27	67	23
MAGNESIUM	mg/L	25	25	25	11	8	13	12	23	26	26	12	25	9
SODIUM	mg/L	89	90	90	40	47	59	53	84	99	97	48	97	54
POTASSIUM	mg/L	4.5	4.6	4.5	2.4	2.3	3.4	3.3	4.4	4.7	4.7	2.6	4.8	2.5
CARBONATE	mg/L	0	0	0	0	0	1	11	0	0	0	1	0	0
BICARBONATE	mg/L	163	159	146	92	96	104	54	151	144	145	99	145	94
SULFATE	mg/L	201	207	211	52	37	40	47	184	224	221	56	201	47
CHLORIDE	mg/L	83	87	90	49	51	76	70	85	97	95	52	92	57
NITRATE	mg/L	1.1	0.9	0.2	1.9	0.9	<0.1	<0.1	0.3	0.3	0.3	2.0	0.6	1.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.8	0.8	0.8	0.8	0.9
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	565	570	564	240	231	270	244	525	599	590	263	567	255
TOTAL HARDNESS AS CaCO ₃	mg/L	269	269	263	108	82	108	90	247	262	258	107	259	84
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	130	120	75	79	87	62	124	118	119	83	119	77
FREE CARBON DIOXIDE	mg/L	2.5	1.4	1.3	5.7	2.0	0.6	0.1	1.3	1.9	1.8	0.6	1.8	0.8
pH	pH	8.03	8.28	8.28	7.43	7.90	8.47	9.20	8.30	8.11	8.13	8.42	8.14	8.30
SPECIFIC CONDUCTANCE	µS/cm	940	930	917	419	400	509	471	873	978	971	460	924	434
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.67	0.23	0.75	0.63	0.70	0.44	0.30	0.66	0.04	0.04	0.04	0.07	0.07
TEMPERATURE	°C	26	28	26	15	24	20	23	28	26	28	21	29	26
BROMIDE	mg/L	0.07	0.06	0.08	0.15	0.16	0.24	0.22	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.18	3.24	3.07	2.60	3.54	4.14	3.91	3.12	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.64	0.70	0.41	0.72	0.27
STATE PROJECT WATER	%	0	0	0	100	100	100	100	6	0	0	100	3	100