

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

August 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	7.5	7.3	7.3	11.5	13.1	3.3	2.0	3.6	7.7	7.9	11.6	6.0	13.6
CALCIUM	mg/L	73	68	67	25	25	24	19	61	65	66	25	63	23
MAGNESIUM	mg/L	25	25	26	11	8	12	12	23	25	25	11	23	8
SODIUM	mg/L	88	89	90	39	52	53	51	81	97	96	46	90	57
POTASSIUM	mg/L	4.6	4.5	4.6	2.5	2.3	3.1	3.3	4.3	4.6	4.6	2.5	4.4	2.4
CARBONATE	mg/L	0	1	0	0	0	0	8	2	0	0	0	0	0
BICARBONATE	mg/L	163	155	152	92	100	106	59	143	148	148	100	143	95
SULFATE	mg/L	204	207	209	47	43	38	46	172	213	211	50	188	50
CHLORIDE	mg/L	85	87	89	46	55	70	68	84	92	91	49	88	56
NITRATE	mg/L	1.3	1.0	0.7	2.0	0.8	0.1	0.2	0.1	1.7	0.7	2.0	0.5	1.1
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	570	568	570	230	250	257	239	503	581	577	248	535	260
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	280	277	269	105	94	109	93	236	267	265	105	248	85
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	134	129	125	75	82	87	62	121	121	121	82	117	78
FREE CARBON DIOXIDE	mg/L	1.8	1.0	2.0	5.0	0.7	4.0	0.1	0.8	1.9	1.7	0.8	1.8	0.8
pH	pH	8.19	8.42	8.11	7.48	8.36	7.65	9.18	8.50	8.12	8.15	8.33	8.12	8.29
SPECIFIC CONDUCTANCE	µS/cm	940	950	955	418	434	490	473	856	985	978	458	918	470
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.86	0.41	0.54	0.61	0.66	0.42	0.25	1.0	0.04	0.04	0.04	0.07	0.07
TEMPERATURE	°C	25	28	26	15	22	20	20	28	26	28	21	30	27
BROMIDE	mg/L	0.07	0.06	0.08	0.15	0.18	0.22	0.21	0.10	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.13	3.21	3.02	2.65	3.26	3.75	3.10	3.30	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.67	0.72	0.31	0.68	0.29
STATE PROJECT WATER	%	0	0	0	100	100	100	100	13	0	0	100	8	100