

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 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	8.4	8.4	8.2	12.1	11.8	1.7	2.1	8.5	9.1	8.9	12.2	8.5	12.1
CALCIUM	mg/L	68	69	69	28	22	24	21	69	65	68	28	76	21
MAGNESIUM	mg/L	25	25	26	11	10	13	13	25	25	26	11	28	11
SODIUM	mg/L	87	90	94	44	52	58	54	90	95	97	49	104	61
POTASSIUM	mg/L	4.4	4.6	4.8	2.4	2.7	3.3	3.3	4.6	4.5	4.8	2.4	5.1	2.7
CARBONATE	mg/L	0	0	0	0	0	0	7	0	0	0	2	0	0
BICARBONATE	mg/L	161	160	159	98	99	113	72	160	146	150	100	148	92
SULFATE	mg/L	205	207	210	53	31	40	47	201	211	217	57	214	49
CHLORIDE	mg/L	86	87	90	49	66	77	69	87	94	94	53	93	72
NITRATE	mg/L	0.9	0.9	0.4	1.7	1.0	<0.1	<0.1	0.5	0.5	0.5	1.9	0.6	1.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	565	572	582	250	246	274	252	566	578	592	267	604	277
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	265	268	262	106	88	102	92	262	255	265	103	289	84
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	132	131	130	80	81	93	71	131	120	123	86	121	75
FREE CARBON DIOXIDE	mg/L	1.8	1.4	1.5	4.1	1.6	1.5	0.2	1.4	2.0	2.0	0.6	2.0	0.7
pH	pH	8.17	8.29	8.26	7.60	8.02	8.11	8.98	8.29	8.09	8.09	8.46	8.10	8.33
SPECIFIC CONDUCTANCE	µS/cm	931	937	947	436	442	522	481	919	947	974	476	971	501
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.77	0.77	13.0	0.84	0.55	0.58	0.62	0.87	0.04	0.03	0.04	0.06	0.08
TEMPERATURE	°C	19	21	22	18	18	21	19	24	19	21	19	22	21
BROMIDE	mg/L	0.08	0.05	0.08	0.16	0.22	0.25	0.22	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.14	3.13	2.99	2.55	3.00	4.04	3.03	3.06	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.56	0.61	0.50	0.66	0.22
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	1	0	100	0	100