

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

December 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	8.5	8.9	12.2	11.4	2.5	2.9	8.7	9.1	8.9	12.2	8.6	11.1
CALCIUM	mg/L	71	69	68	25	21	25	22	70	62	63	28	73	21
MAGNESIUM	mg/L	26	25	26	11	11	13	12	26	26	25	11	29	12
SODIUM	mg/L	89	88	90	47	57	59	53	90	100	98	52	108	67
POTASSIUM	mg/L	4.5	4.5	4.7	2.4	2.9	3.4	3.4	4.6	4.7	4.4	2.5	5.2	2.9
CARBONATE	mg/L	0	0	0	0	0	0	1	0	0	0	1	0	1
BICARBONATE	mg/L	162	161	159	98	102	112	92	159	151	151	102	148	92
SULFATE	mg/L	207	207	212	52	30	39	48	203	219	218	56	218	49
CHLORIDE	mg/L	86	87	90	53	76	75	70	89	96	95	57	95	83
NITRATE	mg/L	1.1	1.0	0.5	1.5	1.0	<0.1	<0.1	0.6	0.6	0.6	1.7	0.8	1.5
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	574	571	580	253	261	273	258	572	594	589	273	612	295
TOTAL HARDNESS AS CaCO ₃	mg/L	271	278	277	114	98	113	105	273	278	275	113	302	98
TOTAL ALKALINITY AS CaCO ₃	mg/L	133	132	130	80	84	92	77	130	124	124	86	121	77
FREE CARBON DIOXIDE	mg/L	1.7	1.3	1.6	2.5	1.8	2.5	0.6	1.9	2.0	2.0	0.6	2.0	0.5
pH	pH	8.19	8.31	8.21	7.81	7.97	7.88	8.44	8.15	8.11	8.09	8.46	8.10	8.47
SPECIFIC CONDUCTANCE	µS/cm	942	942	961	455	487	511	484	936	966	970	484	968	535
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.4	0.47	1.2	1.1	0.85	0.83	0.37	0.68	0.04	0.03	0.04	0.06	0.07
TEMPERATURE	°C	15	14	17	15	12	15	16	16	15	17	17	17	15
BROMIDE	mg/L	0.07	0.05	0.07	0.18	0.24	0.23	0.22	0.02	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.17	3.12	2.87	2.47	3.56	3.82	2.90	3.30	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.47	0.50	0.40	0.52	0.22
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100