

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

April 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	6.4	5.7	7.0	11.0	7.9	0.9	3.4	6.6	7.3	7.1	11.0	6.8	8.3
CALCIUM	mg/L	73	70	64	25	21	23	22	49	65	65	25	52	22
MAGNESIUM	mg/L	26	25	25	11	10	12	11	19	25	25	12	20	10
SODIUM	mg/L	90	86	89	40	47	55	49	70	93	93	46	76	51
POTASSIUM	mg/L	4.6	4.4	4.5	2.6	2.5	3.2	3.0	3.8	4.5	4.5	2.6	4.0	2.5
CARBONATE	mg/L	0	0	0	0	0	0	2	0	0	0	2	0	1
BICARBONATE	mg/L	163	161	149	92	98	101	92	134	144	143	92	128	90
SULFATE	mg/L	212	214	215	49	38	40	44	142	215	215	53	152	41
CHLORIDE	mg/L	86	88	91	51	59	74	65	77	93	93	54	81	60
NITRATE	mg/L	1.5	1.3	0.4	1.4	2.1	0.3	<0.1	0.7	0.5	0.5	1.6	0.8	2.6
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	0.1	0.1	0.2	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	581	575	571	237	237	259	246	435	576	575	254	457	244
TOTAL HARDNESS AS CaCO ₃	mg/L	277	269	255	109	91	100	99	196	268	269	110	211	94
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	132	122	75	80	83	79	110	118	117	79	105	76
FREE CARBON DIOXIDE	mg/L	1.9	1.5	1.6	2.3	1.1	0.8	0.6	1.6	1.8	2.0	0.6	1.6	0.5
pH	pH	8.15	8.25	8.19	7.83	8.16	8.33	8.40	8.14	8.12	8.07	8.43	8.12	8.47
SPECIFIC CONDUCTANCE	µS/cm	944	932	923	417	422	478	463	728	968	964	451	796	439
COLOR	CU	5	3	3	5	10	10	5	3	1	1	1	2	1
TURBIDITY	NTU	0.36	0.30	2.2	0.69	1.1	1.0	1.0	0.64	0.04	0.04	0.04	0.05	0.05
TEMPERATURE	°C	17	18	15	13	12	14	14	16	15	19	16	19	17
BROMIDE	mg/L	0.08	0.05	0.10	0.14	0.18	0.24	0.20	0.14	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	2.82	3.22	2.82	3.45	3.92	2.92	3.03	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.48	0.49	0.32	0.39	0.28
STATE PROJECT WATER	%	0	0	0	100	100	100	100	35	1	3	100	36	100