

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 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	7.0	7.4	7.6	9.4	8.0	2.4	6.2	7.2	7.0	5.7	9.7	6.6	7.1
CALCIUM	mg/L	75	70	68	25	21	24	22	28	66	65	26	37	21
MAGNESIUM	mg/L	26	26	26	12	12	12	11	13	26	25	12	16	12
SODIUM	mg/L	89	94	91	43	47	56	50	51	98	97	47	70	54
POTASSIUM	mg/L	4.5	4.7	4.6	2.6	2.8	3.3	3.1	3.2	4.7	4.6	2.6	3.7	2.8
CARBONATE	mg/L	0	0	0	0	1	0	0	0	0	0	1	0	2
BICARBONATE	mg/L	163	160	146	92	93	102	98	102	143	143	93	106	87
SULFATE	mg/L	219	217	215	50	38	41	46	59	222	220	54	110	44
CHLORIDE	mg/L	87	90	91	51	60	76	68	65	95	94	54	76	65
NITRATE	mg/L	1.3	1.2	0.4	1.4	2.4	0.4	0.7	0.8	0.5	0.5	1.6	1.0	2.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	<0.1	0.1	0.1	0.8	0.8	0.7	0.8	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	591	591	577	240	239	266	256	278	592	584	255	374	255
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	282	277	266	108	98	108	102	118	264	267	119	156	95
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	134	131	120	75	78	84	80	84	117	117	78	87	75
FREE CARBON DIOXIDE	mg/L	1.9	2.5	2.7	1.9	0.5	0.9	1.9	1.7	1.7	1.6	0.6	1.0	0.5
pH	pH	8.15	8.03	7.96	7.90	8.49	8.29	7.93	7.99	8.14	8.17	8.40	8.23	8.52
SPECIFIC CONDUCTANCE	µS/cm	917	964	947	423	430	503	476	507	971	972	453	657	463
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.81	2.7	0.92	0.52	0.78	0.90	0.35	0.70	0.04	0.04	0.05	0.05	0.05
TEMPERATURE	°C	13	14	15	13	11	13	14	16	14	18	15	18	15
BROMIDE	mg/L	0.07	0.08	0.08	0.16	0.17	0.24	0.21	0.18	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	4.04	2.88	2.70	3.90	3.58	2.63	2.86	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.49	0.56	0.28	0.29	0.27
STATE PROJECT WATER	%	0	0	0	100	100	100	100	82	0	3	100	59	100