

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 2019

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	7.7	7.9	8.5	11.5	8.3	5.2	8.4	6.2	4.9	8.3	11.7	6.1	9.5
CALCIUM	mg/L	71	71	70	23	19	24	24	49	42	45	24	58	19
MAGNESIUM	mg/L	25	25	26	11	12	13	12	20	19	19	12	23	12
SODIUM	mg/L	90	90	88	47	57	64	51	80	81	82	52	92	62
POTASSIUM	mg/L	4.4	4.6	4.8	2.7	3.2	3.5	3.3	4.0	3.9	4.0	2.7	4.4	3.3
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	1	0	0
BICARBONATE	mg/L	165	163	157	92	88	105	101	140	112	110	94	133	82
SULFATE	mg/L	219	214	218	49	30	42	49	150	137	152	53	185	45
CHLORIDE	mg/L	83	86	89	60	87	84	68	86	89	90	63	93	77
NITRATE	mg/L	1.5	1.2	0.9	1.9	1.8	0.3	0.5	0.7	1.8	1.6	1.9	0.8	2.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	0.1	0.1	0.2	0.7	0.4	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	584	582	584	252	262	289	267	466	435	457	269	530	272
TOTAL HARDNESS AS CaCO ₃	mg/L	281	276	281	108	97	110	110	213	185	193	107	239	90
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	134	129	75	72	86	83	115	92	90	79	109	67
FREE CARBON DIOXIDE	mg/L	2.2	1.6	2.7	2.4	1.4	2.0	1.9	1.4	1.4	1.5	0.6	1.7	0.4
pH	pH	8.09	8.23	7.99	7.80	8.02	7.94	7.95	8.23	8.11	8.10	8.42	8.12	8.50
SPECIFIC CONDUCTANCE	µS/cm	952	954	948	458	508	548	500	802	756	786	483	881	499
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.46	0.30	0.44	2.9	2.0	0.90	0.28	0.89	0.05	0.04	0.04	0.06	0.06
TEMPERATURE	°C	12	16	14	13	10	12	14	14	13	17	15	15	14
BROMIDE	mg/L	0.07	0.07	0.07	0.18	0.28	0.27	0.20	0.14	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.06	3.16	2.74	3.06	4.54	3.78	3.08	3.38	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.17	0.24	0.26	0.49	0.19
STATE PROJECT WATER	%	0	0	0	100	100	100	100	33	53	53	100	25	100