

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 2018

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	8.2	8.7	8.8	11.6	9.8	7.8	9.0	8.8	8.8	8.7	11.5	8.6	9.5
CALCIUM	mg/L	71	73	73	22	17	24	25	56	54	58	22	56	17
MAGNESIUM	mg/L	25	26	26	10	13	13	13	21	22	23	10	22	13
SODIUM	mg/L	90	90	93	43	61	59	55	80	91	94	49	87	71
POTASSIUM	mg/L	4.5	4.6	4.7	2.5	3.1	3.3	3.5	4.0	4.3	4.4	2.5	4.2	3.3
CARBONATE	mg/L	0	0	0	0	0	0	5	0	0	0	2	0	0
BICARBONATE	mg/L	159	160	154	87	88	107	90	142	131	133	90	133	84
SULFATE	mg/L	232	225	229	41	24	46	54	169	181	193	45	176	33
CHLORIDE	mg/L	90	89	92	56	99	85	72	88	97	98	59	95	105
NITRATE	mg/L	0.9	0.9	0.6	2.0	0.8	0.2	0.1	0.6	0.8	0.8	2.1	0.8	1.7
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	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	601	597	604	232	272	292	282	499	525	547	249	517	296
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	275	280	282	100	94	112	110	234	238	243	100	235	96
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	130	131	126	71	72	88	82	116	107	109	78	109	69
FREE CARBON DIOXIDE	mg/L	2.0	1.5	1.6	3.9	2.1	2.7	0.3	1.7	1.7	1.6	0.6	1.7	0.5
pH	pH	8.11	8.25	8.20	7.57	7.85	7.82	8.76	8.15	8.10	8.14	8.44	8.12	8.47
SPECIFIC CONDUCTANCE	µS/cm	951	963	970	425	528	549	504	832	889	904	459	854	566
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.4	0.24	2.1	1.2	0.46	0.50	0.43	1.1	0.05	0.04	0.04	0.06	0.05
TEMPERATURE	°C	20	20	21	18	18	20	18	22	19	23	20	21	19
BROMIDE	mg/L	0.08	0.05	0.08	0.17	0.33	0.28	0.23	0.12	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.38	3.04	2.96	2.78	2.72	3.69	3.50	3.45	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.43	0.49	0.38	0.51	0.19
STATE PROJECT WATER	%	0	0	0	100	100	100	100	26	24	18	100	24	100