

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 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	7.5	7.5	8.0	11.2	9.4	8.1	8.8	8.7	9.3	8.5	11.6	8.4	9.5
CALCIUM	mg/L	76	75	71	20	21	24	24	35	33	38	21	46	20
MAGNESIUM	mg/L	26	25	26	9	13	12	12	15	16	18	10	18	13
SODIUM	mg/L	92	93	95	37	59	61	51	60	75	77	46	79	65
POTASSIUM	mg/L	4.7	4.6	4.7	2.4	3.0	3.1	3.1	3.2	3.4	3.6	2.5	3.9	2.9
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	2	0	1
BICARBONATE	mg/L	161	161	149	79	89	99	94	109	96	105	78	105	85
SULFATE	mg/L	237	233	243	38	43	48	51	94	101	122	50	132	48
CHLORIDE	mg/L	91	91	96	52	86	84	69	72	90	91	57	88	88
NITRATE	mg/L	1.8	1.7	0.8	1.7	3.1	0.6	1.2	1.7	2.8	2.7	1.9	1.5	3.8
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	617	612	619	211	282	290	267	344	379	414	242	430	294
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	293	290	285	90	106	112	108	152	149	170	92	190	105
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	132	132	122	65	73	81	77	89	79	86	68	86	72
FREE CARBON DIOXIDE	mg/L	1.5	1.5	1.4	2.4	1.1	1.7	2.8	1.4	0.7	1.1	0.4	1.0	0.5
pH	pH	8.26	8.26	8.24	7.74	8.13	7.98	7.75	8.11	8.35	8.22	8.52	8.26	8.49
SPECIFIC CONDUCTANCE	µS/cm	938	993	939	389	488	507	480	561	657	723	431	715	542
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.30	0.47	0.51	0.94	0.55	0.55	0.23	0.65	0.06	0.05	0.05	0.08	0.05
TEMPERATURE	°C	13	15	16	14	12	14	16	14	13	16	16	17	15
BROMIDE	mg/L	0.08	0.09	0.09	0.16	0.27	0.27	0.21	0.16	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.85	3.14	2.92	3.08	3.76	4.18	2.56	3.14	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.24	0.24	0.23	0.38	0.21
STATE PROJECT WATER	%	0	0	0	100	100	100	100	64	71	60	100	58	100