

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

June 2016

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	6.9	6.8	6.6	14.7	10.9	8.8	7.1	6.8	6.6	7.0	14.4	7.0	10.7
CALCIUM	mg/L	81	79	77	34	26	31	32	80	77	73	34	76	26
MAGNESIUM	mg/L	25	25	26	11	14	13	14	25	26	25	11	25	14
SODIUM	mg/L	95	96	100	81	72	86	65	98	105	102	97	100	83
POTASSIUM	mg/L	4.7	4.7	4.9	2.8	3.5	3.4	3.6	4.8	4.9	4.8	2.8	4.7	3.6
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
BICARBONATE	mg/L	162	161	155	109	104	117	111	160	149	149	115	154	100
SULFATE	mg/L	244	245	255	85	66	78	69	243	252	253	100	242	76
CHLORIDE	mg/L	92	93	98	98	92	109	79	95	103	103	98	103	101
NITRATE	mg/L	1.6	1.4	0.9	4.0	2.0	<0.1	1.0	1.1	0.9	0.9	4.1	1.2	2.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.3	0.8	0.8	0.7	0.6	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	632	632	646	385	338	388	326	634	651	644	420	637	368
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	304	297	297	134	118	133	136	302	298	288	134	297	126
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	133	132	127	89	85	96	91	131	122	122	94	126	82
FREE CARBON DIOXIDE	mg/L	1.8	1.8	1.6	7.2	1.7	1.2	2.9	1.5	2.1	2.0	1.1	1.9	0.9
pH	pH	8.18	8.17	8.20	7.40	8.00	8.20	7.81	8.25	8.07	8.09	8.22	8.12	8.25
SPECIFIC CONDUCTANCE	µS/cm	982	998	1010	664	598	686	580	996	1010	1000	703	984	631
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.34	0.74	1.1	1.2	1.3	4.0	0.90	0.44	0.05	0.04	0.04	0.05	0.06
TEMPERATURE	°C	22	25	21	14	20	23	17	23	21	23	21	26	25
BROMIDE	mg/L	0.08	0.06	0.08	0.34	0.29	0.38	0.23	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.10	3.00	3.37	2.44	4.75	4.00	3.18	3.15	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.55	0.60	0.32	0.70	0.28
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	3	5	100	2	100