

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

October 2015

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	7.6	12.6	11.6	9.9	8.3	7.7	7.6	7.9	12.5	7.6	11.7
CALCIUM	mg/L	82	80	79	35	28	28	33	79	77	76	36	78	27
MAGNESIUM	mg/L	25	26	26	11	11	13	14	26	28	27	11	27	12
SODIUM	mg/L	104	105	105	74	84	80	66	106	102	104	92	103	82
POTASSIUM	mg/L	4.9	4.9	5.0	2.9	3.2	3.2	3.8	4.9	5.0	5.0	2.9	5.1	3.2
CARBONATE	mg/L	0	0	0	0	4	1	5	0	0	0	0	0	0
BICARBONATE	mg/L	163	159	154	112	100	110	100	155	150	146	112	152	102
SULFATE	mg/L	249	250	250	81	73	69	72	251	261	261	108	249	81
CHLORIDE	mg/L	95	96	97	85	92	102	80	97	102	101	86	105	96
NITRATE	mg/L	0.9	1.0	0.5	2.3	0.6	<0.1	<0.1	0.7	0.6	0.6	2.7	0.8	1.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.3	0.8	0.8	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	650	651	647	360	358	361	332	650	659	656	408	652	366
TOTAL HARDNESS AS CaCO ₃	mg/L	304	302	298	134	120	128	140	298	304	306	134	307	124
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	130	126	92	88	92	90	127	123	120	92	125	84
FREE CARBON DIOXIDE	mg/L	1.4	1.2	1.3	4.1	0.4	0.8	0.3	1.4	2.1	1.8	0.8	1.8	1.2
pH	pH	8.28	8.34	8.28	7.66	8.68	8.39	8.75	8.27	8.08	8.12	8.36	8.15	8.17
SPECIFIC CONDUCTANCE	µS/cm	1030	1040	1030	638	627	664	582	1020	1060	1040	703	1050	666
COLOR	CU	4	2	2	5	9	7	2	3	1	1	1	1	1
TURBIDITY	NTU	0.73	0.82	0.87	7.8	1.1	1.3	0.48	0.45	0.05	0.04	0.04	0.04	0.06
TEMPERATURE	°C	26	25	25	23	22	24	24	26	25	27	25	27	23
BROMIDE	mg/L	0.09	0.07	0.09	0.30	0.32	0.36	0.25	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.39	3.18	3.18	2.92	3.70	3.59	3.22	3.17	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.58	0.69	0.51	0.74	0.18
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100