

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 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	8.1	8.1	8.1	13.5	12.5	9.6	8.5	8.4	8.3	8.6	13.3	8.6	13.0
CALCIUM	mg/L	79	78	75	34	29	28	33	76	80	77	35	77	29
MAGNESIUM	mg/L	27	27	27	12	12	13	14	27	27	26	12	26	12
SODIUM	mg/L	96	96	100	75	78	81	66	98	103	101	102	101	89
POTASSIUM	mg/L	4.9	5.0	4.9	3.0	3.2	3.3	3.8	5.0	5.1	5.0	3.1	5.0	3.1
CARBONATE	mg/L	0	0	0	0	4	0	0	0	0	0	0	0	0
BICARBONATE	mg/L	156	159	157	113	102	113	111	156	149	150	115	151	104
SULFATE	mg/L	247	247	249	81	74	69	73	251	256	262	124	257	82
CHLORIDE	mg/L	94	95	96	88	91	101	80	97	100	102	87	108	95
NITRATE	mg/L	1.1	1.0	0.6	2.5	0.6	<0.1	<0.1	0.7	0.7	0.7	2.6	1.1	1.5
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	635	637	639	366	356	362	334	641	655	658	437	660	377
TOTAL HARDNESS AS CaCO ₃	mg/L	304	303	300	134	122	130	140	301	305	304	136	304	124
TOTAL ALKALINITY AS CaCO ₃	mg/L	128	130	129	93	90	93	91	128	122	123	94	124	85
FREE CARBON DIOXIDE	mg/L	1.9	1.4	1.6	3.9	0.6	0.8	0.8	1.8	2.2	2.0	0.8	1.9	1.1
pH	pH	8.14	8.27	8.22	7.69	8.51	8.38	8.38	8.17	8.06	8.10	8.38	8.13	8.18
SPECIFIC CONDUCTANCE	µS/cm	1010	1040	1030	660	636	666	596	1040	1070	1070	754	1080	669
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.88	0.56	1.3	3.2	1.7	1.6	0.35	0.32	0.05	0.04	0.06	0.04	0.08
TEMPERATURE	°C	22	22	24	19	19	22	20	22	21	22	21	21	18
BROMIDE	mg/L	0.09	0.06	0.08	0.31	0.31	0.36	0.25	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.33	3.18	2.98	2.86	3.92	3.74	3.04	3.19	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.55	0.63	0.46	0.64	0.15
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100