

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

January 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	7.9	7.9	8.4	14.7	11.8	10.5	9.6	8.1	8.5	8.5	14.6	8.4	10.7
CALCIUM	mg/L	76	75	75	35	29	29	30	74	77	75	35	74	29
MAGNESIUM	mg/L	26	27	27	11	9	13	14	27	27	27	10	27	13
SODIUM	mg/L	94	94	94	73	76	73	58	93	99	97	82	97	79
POTASSIUM	mg/L	4.6	4.7	4.7	2.6	2.4	3.3	3.6	4.7	4.8	4.8	2.6	4.8	3.3
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
BICARBONATE	mg/L	160	161	160	111	98	110	102	159	157	156	107	156	111
SULFATE	mg/L	239	238	237	78	72	61	66	233	246	246	98	238	67
CHLORIDE	mg/L	89	90	90	84	82	95	74	89	94	94	85	99	101
NITRATE	mg/L	1.1	1.1	1.1	3.4	3.1	0.3	<0.1	0.9	1.1	1.1	3.5	1.1	1.1
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.9	0.9	0.9	0.9	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	618	618	618	357	334	340	306	609	637	632	385	628	360
TOTAL HARDNESS AS CaCO ₃	mg/L	298	296	294	132	116	126	130	292	298	298	130	296	128
TOTAL ALKALINITY AS CaCO ₃	mg/L	131	132	131	91	80	90	84	130	129	128	88	128	91
FREE CARBON DIOXIDE	mg/L	1.6	1.4	1.5	4.1	1.7	2.0	4.8	1.4	2.3	2.3	1.3	2.1	1.1
pH	pH	8.22	8.29	8.26	7.65	7.98	7.97	7.55	8.27	8.05	8.06	8.15	8.10	8.22
SPECIFIC CONDUCTANCE	µS/cm	1010	1000	1000	634	592	619	561	996	1020	1030	659	1020	654
COLOR	CU	2	1	2	5	3	4	3	1	1	1	1	1	1
TURBIDITY	NTU	0.36	0.31	1.3	3.1	0.39	1.9	0.34	6.8	0.05	0.04	0.04	0.05	0.05
TEMPERATURE	°C	11	12	15	13	12	13	14	13	14	17	16	16	14
BROMIDE	mg/L	0.08	0.06	0.07	0.30	0.31	0.33	0.23	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.10	3.08	3.08	2.15	2.41	3.24	2.62	3.24	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.46	0.51	0.15	0.53	0.13
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100