

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 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	7.6	8.3	--	10.8	10.8	9.8	8.0	8.5	--	--	8.2	10.8
CALCIUM	mg/L	78	76	76	--	32	32	30	75	78	--	--	73	30
MAGNESIUM	mg/L	27	27	26	--	7	13	14	26	25	--	--	24	7
SODIUM	mg/L	96	94	91	--	72	72	57	92	92	--	--	91	77
POTASSIUM	mg/L	4.8	4.7	4.7	--	2.2	3.4	3.6	4.7	4.6	--	--	4.6	2.1
CARBONATE	mg/L	0	0	0	--	0	0	0	0	0	--	--	0	0
BICARBONATE	mg/L	163	161	161	--	98	107	98	159	159	--	--	159	96
SULFATE	mg/L	244	240	239	--	75	65	67	239	237	--	--	226	79
CHLORIDE	mg/L	91	91	91	--	75	96	75	91	92	--	--	97	74
NITRATE	mg/L	1.8	1.6	1.1	--	3.7	0.4	0.9	0.9	1.1	--	--	1.0	4.4
FLUORIDE	mg/L	0.3	0.3	0.3	--	0.2	0.1	0.1	0.3	0.8	--	--	0.8	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	632	623	618	--	327	346	306	616	618	--	--	605	333
TOTAL HARDNESS AS CaCO ₃	mg/L	299	295	294	--	104	138	130	292	297	--	--	286	98
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	132	132	--	80	88	80	130	130	--	--	130	79
FREE CARBON DIOXIDE	mg/L	1.5	1.6	1.4	--	0.8	2.1	2.7	1.6	2.4	--	--	2.0	0.8
pH	pH	8.27	8.23	8.28	--	8.30	7.94	7.78	8.22	8.05	--	--	8.13	8.30
SPECIFIC CONDUCTANCE	µS/cm	1020	1010	1000	--	574	624	557	997	996	--	--	972	565
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.54	0.46	2.0	--	0.83	2.4	0.74	0.57	0.05	--	--	0.05	0.05
TEMPERATURE	°C	15	18	16	--	11	13	16	16	17	--	--	20	16
BROMIDE	mg/L	0.09	0.07	0.07	--	0.30	0.33	0.23	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.98	3.04	3.22	--	2.18	3.44	2.42	3.16	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.50	--	--	0.60	0.20
STATE PROJECT WATER	%	0	0	0	--	100	100	100	0	0	--	--	0	100

* Not reported; sampling error.