

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 2014

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	7.5	7.5	8.1	10.9	9.3	8.4	9.2	8.1	8.1	8.0	11.2	8.4	8.1
CALCIUM	mg/L	73	73	71	27	26	26	27	67	72	71	27	64	27
MAGNESIUM	mg/L	25	26	26	12	9	13	13	24	25	25	12	23	13
SODIUM	mg/L	85	87	84	64	73	63	55	82	89	87	70	84	69
POTASSIUM	mg/L	4.3	4.4	4.4	2.8	2.4	3.1	3.4	4.2	4.4	4.3	2.7	4.1	3.1
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
BICARBONATE	mg/L	166	166	162	98	98	110	101	156	155	151	98	146	107
SULFATE	mg/L	216	221	214	50	51	46	65	198	229	223	63	191	55
CHLORIDE	mg/L	79	83	82	85	90	86	71	80	86	86	86	89	92
NITRATE	mg/L	1.6	1.3	1.0	2.7	3.8	0.2	<0.1	0.9	1.1	1.1	2.7	1.0	0.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.2	0.1	0.1	0.3	0.9	0.9	0.8	0.8	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	575	586	572	304	314	301	294	542	593	582	324	538	322
TOTAL HARDNESS AS CaCO ₃	mg/L	286	282	282	116	105	120	127	266	282	285	114	261	122
TOTAL ALKALINITY AS CaCO ₃	mg/L	136	136	133	80	80	90	83	128	127	124	80	120	88
FREE CARBON DIOXIDE	mg/L	1.5	1.4	1.7	2.7	2.0	1.7	0.8	1.6	2.1	2.0	0.9	2.0	0.8
pH	pH	8.27	8.28	8.20	7.78	7.91	8.03	8.32	8.21	8.09	8.11	8.28	8.09	8.33
SPECIFIC CONDUCTANCE	µS/cm	961	941	961	546	593	579	532	920	961	947	581	890	579
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.78	0.30	0.47	10.0	0.36	1.1	1.9	0.36	0.05	0.04	0.04	0.06	0.06
TEMPERATURE	°C	15	17	15	13	12	14	15	16	17	18	17	19	17
BROMIDE	mg/L	0.07	0.05	0.05	0.26	0.31	0.27	0.22	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.00	3.06	2.96	2.56	2.12	3.69	2.51	3.12	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.52	0.56	0.16	0.51	0.26
STATE PROJECT WATER	%	0	0	0	100	100	100	96	6	0	0	100	15	100