

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

January 2019

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	8.2	8.0	8.6	11.6	8.3	7.5	9.1	7.6	8.5	8.6	11.5	7.4	8.7
CALCIUM	mg/L	72	71	70	21	17	23	24	61	67	69	22	62	18
MAGNESIUM	mg/L	26	26	26	11	12	13	12	24	25	26	11	24	13
SODIUM	mg/L	94	96	93	46	62	64	54	90	97	103	51	94	69
POTASSIUM	mg/L	4.5	4.6	4.6	2.6	3.2	3.4	3.3	4.4	4.5	4.6	2.6	4.3	3.3
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	2	0	1
BICARBONATE	mg/L	168	160	159	89	88	107	100	150	148	142	88	138	82
SULFATE	mg/L	212	218	218	44	25	42	48	189	233	234	47	211	37
CHLORIDE	mg/L	85	88	91	61	96	87	67	89	93	93	63	96	98
NITRATE	mg/L	1.1	1.0	0.8	1.7	1.2	0.4	0.8	0.5	1.0	1.0	1.9	0.7	2.0
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	0.1	0.1	0.3	0.8	0.8	0.8	0.7	0.5
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	587	593	592	243	269	294	268	541	604	611	257	569	292
TOTAL HARDNESS AS CaCO ₃	mg/L	282	281	282	98	94	113	110	253	271	271	100	257	95
TOTAL ALKALINITY AS CaCO ₃	mg/L	138	131	130	73	72	88	82	123	121	116	76	113	69
FREE CARBON DIOXIDE	mg/L	2.2	1.8	2.0	2.2	1.8	2.0	4.0	1.4	1.8	1.7	0.6	1.7	0.4
pH	pH	8.10	8.17	8.11	7.83	7.92	7.95	7.62	8.26	8.14	8.15	8.42	8.12	8.54
SPECIFIC CONDUCTANCE	µS/cm	963	965	968	428	521	547	491	907	975	979	452	937	544
COLOR	CU	3	2	2	5	5	5	5	3	1	1	1	2	1
TURBIDITY	NTU	0.62	0.40	1.7	1.5	0.58	1.4	0.25	0.88	0.05	0.04	0.04	0.07	0.05
TEMPERATURE	°C	10	12	15	14	10	13	14	14	14	17	16	14	12
BROMIDE	mg/L	0.07	0.05	0.07	0.18	0.30	0.27	0.20	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.88	2.97	2.84	2.68	2.73	3.63	2.70	3.09	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.50	0.54	0.20	0.42	0.18
STATE PROJECT WATER	%	0	0	0	100	100	100	100	13	2	2	100	11	100