

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 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	5.9	8.4	8.3	10.8	9.6	5.2	9.2	7.4	9.5	9.8	9.8	--	9.2
CALCIUM	mg/L	70	72	64	27	17	23	23	32	24	27	26	--	18
MAGNESIUM	mg/L	26	26	27	12	10	13	12	14	13	14	13	--	11
SODIUM	mg/L	90	92	95	45	39	59	49	54	60	62	52	--	53
POTASSIUM	mg/L	4.4	4.8	4.6	2.8	2.5	3.3	3.3	3.1	3.0	3.1	2.8	--	2.7
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	1	2	--	1
BICARBONATE	mg/L	155	154	137	93	82	101	92	106	93	92	95	--	83
SULFATE	mg/L	219	216	221	55	24	41	44	76	64	75	58	--	36
CHLORIDE	mg/L	87	87	94	57	55	83	66	64	73	73	60	--	70
NITRATE	mg/L	0.9	0.8	0.2	1.4	0.4	<0.1	1.3	0.5	0.6	0.6	1.4	--	1.1
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	0.1	0.1	0.2	0.7	0.8	0.6	--	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	581	584	583	258	199	278	254	304	294	312	273	--	244
TOTAL HARDNESS AS CaCO ₃	mg/L	276	277	265	113	82	111	104	135	110	122	113	--	88
TOTAL ALKALINITY AS CaCO ₃	mg/L	127	126	112	76	67	83	75	87	76	77	82	--	70
FREE CARBON DIOXIDE	mg/L	1.5	1.5	1.6	3.2	1.3	2.2	6.6	2.2	0.6	0.5	0.5	--	0.4
pH	pH	8.24	8.24	8.14	7.68	8.03	7.89	7.36	7.91	8.42	8.50	8.53	--	8.57
SPECIFIC CONDUCTANCE	µS/cm	912	916	923	455	362	514	457	525	526	547	481	--	438
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.5	0.34	1.0	1.2	0.78	1.7	0.36	1.3	0.05	0.04	0.04	--	0.05
TEMPERATURE	°C	17	16	20	17	16	18	16	16	17	21	19	--	19
BROMIDE	mg/L	0.08	0.07	0.04	0.16	0.17	0.26	0.20	0.15	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.18	3.02	2.98	2.96	3.19	3.50	2.70	2.90	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.25	0.45	0.52	--	0.36
STATE PROJECT WATER	%	0	0	0	100	100	100	100	67	85	80	100	--	100

* Not reported; sampling error.