

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

January 2020

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	8.4	8.7	8.5	11.1	--	6.1	7.8	8.9	9.1	8.9	10.7	8.5	7.3
CALCIUM	mg/L	70	72	67	26	--	24	24	35	49	51	25	34	24
MAGNESIUM	mg/L	25	26	26	12	--	13	12	15	20	22	12	15	12
SODIUM	mg/L	87	91	92	43	--	59	53	57	78	83	48	65	58
POTASSIUM	mg/L	4.6	4.8	4.7	2.7	--	3.5	3.3	3.3	3.9	4.0	2.7	3.3	3.3
CARBONATE	mg/L	0	0	0	0	--	0	0	0	0	0	0	0	1
BICARBONATE	mg/L	157	155	144	92	--	102	95	111	129	124	96	100	98
SULFATE	mg/L	218	215	219	52	--	40	46	89	156	169	56	98	45
CHLORIDE	mg/L	88	87	92	54	--	80	68	67	77	79	58	70	77
NITRATE	mg/L	1.0	0.8	0.4	1.4	--	0.5	1.0	1.1	0.9	0.5	1.5	1.2	1.3
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	--	0.1	0.1	0.2	0.7	0.6	0.7	0.6	0.5
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	581	583	582	248	--	277	263	332	459	480	263	346	278
TOTAL HARDNESS AS CaCO ₃	mg/L	284	273	269	116	--	106	104	145	210	207	116	144	104
TOTAL ALKALINITY AS CaCO ₃	mg/L	129	127	118	75	--	84	78	91	106	102	79	82	82
FREE CARBON DIOXIDE	mg/L	2.2	2.0	1.9	1.8	--	2.1	3.8	2.0	1.5	1.5	0.7	1.2	0.5
pH	pH	8.08	8.11	8.10	7.92	--	7.92	7.62	7.97	8.16	8.13	8.34	8.16	8.51
SPECIFIC CONDUCTANCE	µS/cm	932	932	955	433	--	516	456	579	758	790	461	602	502
COLOR	CU	3	3	3	7	--	5	5	5	1	1	1	1	1
TURBIDITY	NTU	0.47	0.16	0.46	1.2	--	0.83	0.27	0.47	0.04	0.04	0.05	0.06	0.05
TEMPERATURE	°C	12	13	15	14	--	12	15	14	13	16	15	15	14
BROMIDE	mg/L	0.08	0.06	0.09	0.16	--	0.26	0.21	0.15	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.00	3.12	2.82	2.71	--	3.74	2.70	2.94	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.33	0.33	0.22	0.23	0.32
STATE PROJECT WATER	%	0	0	0	100	--	100	100	66	22	28	100	71	100

* Not Reported, Out of service.