

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

February 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	8.0	8.8	8.5	10.7	9.6	5.2	8.0	8.5	8.4	8.7	10.7	8.0	9.0
CALCIUM	mg/L	70	71	65	24	19	22	24	31	48	42	25	31	20
MAGNESIUM	mg/L	25	26	25	11	10	12	12	14	19	17	11	14	11
SODIUM	mg/L	88	90	93	42	36	55	51	53	74	72	47	63	52
POTASSIUM	mg/L	4.3	4.8	4.6	2.6	2.7	3.1	3.4	3.2	3.6	3.6	2.6	3.2	2.8
CARBONATE	mg/L	0	0	0	0	1	0	0	0	0	0	1	0	2
BICARBONATE	mg/L	165	161	149	90	83	105	96	107	118	105	93	99	81
SULFATE	mg/L	217	215	218	51	29	41	45	71	155	131	55	92	44
CHLORIDE	mg/L	89	87	91	52	47	79	66	64	81	73	56	71	62
NITRATE	mg/L	1.2	0.9	0.4	1.4	2.9	0.5	0.9	1.1	1.6	1.9	1.6	1.3	3.5
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	0.1	0.1	0.1	0.7	0.7	0.7	0.6	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	585	584	580	240	198	270	258	299	450	402	257	334	248
TOTAL HARDNESS AS CaCO ₃	mg/L	280	270	260	108	81	103	104	126	195	162	112	130	91
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	132	122	74	70	86	79	88	97	86	78	81	70
FREE CARBON DIOXIDE	mg/L	2.0	1.6	1.9	1.5	0.5	2.1	3.8	2.1	1.2	1.0	0.5	0.8	0.3
pH	pH	8.13	8.22	8.12	8.00	8.46	7.93	7.63	7.94	8.21	8.25	8.47	8.29	8.61
SPECIFIC CONDUCTANCE	µS/cm	940	951	960	423	352	518	466	532	771	677	454	581	433
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.0	0.26	0.78	0.93	1.9	1.8	0.22	0.64	0.04	0.04	0.05	0.06	0.05
TEMPERATURE	°C	11	13	15	13	10	12	14	13	13	16	15	16	14
BROMIDE	mg/L	0.08	0.06	0.09	0.15	0.14	0.25	0.21	0.16	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.93	2.89	2.84	2.69	3.68	3.40	2.67	2.96	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.35	0.28	0.32	0.26	0.23
STATE PROJECT WATER	%	0	0	0	100	100	100	100	63	42	60	100	74	100