

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D
March 2021

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	7.8	7.5	8.7	11.5	6.8	0.7	6.0	6.9	6.6	6.4	12.0	6.3	4.6
CALCIUM	mg/L	69	67	64	26	20	23	22	49	36	35	26	52	24
MAGNESIUM	mg/L	26	24	26	11	12	13	12	19	16	16	11	20	12
SODIUM	mg/L	93	90	93	51	62	60	51	76	81	82	58	82	74
POTASSIUM	mg/L	4.7	4.5	4.5	2.5	3.0	3.3	3.2	4.0	3.3	3.4	2.5	4.1	3.1
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	2	0	1
BICARBONATE	mg/L	166	165	161	100	102	112	100	139	113	111	98	129	95
SULFATE	mg/L	207	205	207	49	33	41	45	143	107	101	59	159	56
CHLORIDE	mg/L	88	87	89	60	86	77	67	81	92	91	64	87	90
NITRATE	mg/L	1.5	1.6	0.9	1.4	1.1	<0.1	0.5	0.5	0.8	0.8	1.6	0.5	1.2
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	580	569	574	262	275	274	257	449	400	392	286	476	314
TOTAL HARDNESS AS CaCO ₃	mg/L	282	281	279	111	102	113	106	210	158	151	111	228	110
TOTAL ALKALINITY AS CaCO ₃	mg/L	136	135	132	82	84	92	82	114	93	91	84	106	80
FREE CARBON DIOXIDE	mg/L	1.6	1.4	1.4	2.0	1.6	1.3	3.2	1.6	1.0	0.7	0.5	1.6	0.5
pH	pH	8.23	8.30	8.27	7.91	8.02	8.15	7.72	8.17	8.29	8.40	8.51	8.13	8.50
SPECIFIC CONDUCTANCE	µS/cm	933	933	941	473	516	518	476	761	699	692	508	815	580
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.98	0.31	1.2	0.76	0.43	0.78	0.30	0.98	0.04	0.03	0.04	0.04	0.05
TEMPERATURE	°C	12	15	15	12	10	15	14	14	13	14	15	17	14
BROMIDE	mg/L	0.08	0.06	0.08	0.20	0.28	0.25	0.21	0.13	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	3.10	2.94	2.49	3.12	3.84	2.54	2.95	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.28	0.39	0.40	0.41	0.29
STATE PROJECT WATER	%	0	0	0	100	100	100	100	49	70	73	100	38	100