

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D  
June 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	7.2	7.5	7.5	11.8	--	1.0	6.5	6.5	6.6	6.6	11.9	6.3	6.0
CALCIUM	mg/L	67	68	68	29	--	26	24	67	71	71	28	74	24
MAGNESIUM	mg/L	24	24	25	12	--	13	12	24	27	26	12	27	12
SODIUM	mg/L	84	87	90	56	--	60	53	87	96	95	59	102	60
POTASSIUM	mg/L	4.2	4.2	4.3	2.7	--	3.4	3.4	4.4	4.5	4.4	2.7	4.7	3.4
CARBONATE	mg/L	0	1	0	0	--	1	0	1	0	0	0	0	0
BICARBONATE	mg/L	166	161	162	105	--	111	100	157	159	160	110	155	104
SULFATE	mg/L	197	199	208	50	--	42	46	197	211	212	53	207	52
CHLORIDE	mg/L	86	87	90	64	--	79	68	88	93	93	68	93	73
NITRATE	mg/L	1.3	1.2	1.2	1.8	--	<0.1	0.8	0.7	1.2	1.2	1.9	0.8	1.1
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	--	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	554	560	575	280	--	281	264	554	591	590	292	593	284
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	273	269	274	112	--	114	109	266	277	277	111	285	107
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	136	134	133	86	--	93	82	131	130	131	90	127	85
FREE CARBON DIOXIDE	mg/L	1.6	1.1	1.4	3.2	--	0.7	4.1	1.2	2.0	2.2	1.2	2.0	0.8
pH	pH	8.25	8.39	8.27	7.74	--	8.43	7.61	8.33	8.12	8.08	8.19	8.12	8.32
SPECIFIC CONDUCTANCE	µS/cm	917	928	949	492	--	530	485	925	963	960	514	945	526
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.36	0.36	0.48	1.0	--	0.43	0.38	0.46	0.04	0.04	0.04	0.06	0.05
TEMPERATURE	°C	24	24	21	14	--	21	15	23	22	23	20	26	21
BROMIDE	mg/L	0.07	0.06	0.08	0.22	--	0.25	0.21	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.52	3.12	3.09	2.38	--	4.12	2.56	3.12	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.64	0.61	0.20	0.68	0.27
STATE PROJECT WATER	%	0	0	0	100	--	100	100	0	0	0	100	0	100

\*Not Sampled Due to Inaccessible Sample Location