

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

March 2023

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	7.3	7.8	7.9	15.5	11.1	1.6	5.9	8.0	10.2	10.5	15.8	8.0	7.5
CALCIUM	mg/L	78	75	73	36	24	31	26	72	34	33	36	72	25
MAGNESIUM	mg/L	28	28	27	9	5	16	13	27	10	10	9	27	10
SODIUM	mg/L	103	100	97	59	55	70	55	97	67	68	71	103	56
POTASSIUM	mg/L	5.1	4.9	4.7	2.4	2.0	4.1	3.6	4.6	2.5	2.7	2.4	5.0	3.2
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	160	161	159	106	83	138	105	157	96	95	100	149	93
SULFATE	mg/L	235	234	219	83	46	45	49	222	100	95	110	237	56
CHLORIDE	mg/L	107	107	102	59	57	93	72	103	69	67	62	114	72
NITRATE	mg/L	1.9	1.4	0.8	4.7	2.3	<0.1	0.7	0.8	2.6	2.5	4.8	0.9	1.0
FLUORIDE	mg/L	0.3	0.3	0.3	0.3	0.2	0.1	0.1	0.3	0.6	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	646	639	611	322	244	330	278	613	344	337	362	642	278
TOTAL HARDNESS AS CaCO ₃	mg/L	310	304	291	130	79	140	119	292	127	120	128	294	107
TOTAL ALKALINITY AS CaCO ₃	mg/L	131	132	130	87	68	113	86	129	79	78	82	122	76
FREE CARBON DIOXIDE	mg/L	1.4	1.5	1.6	2.1	1.3	1.1	2.4	1.4	0.6	0.5	0.8	1.8	0.6
pH	pH	8.29	8.26	8.23	7.93	8.02	8.30	7.86	8.27	8.41	8.46	8.30	8.14	8.44
SPECIFIC CONDUCTANCE	µS/cm	1060	1040	998	541	431	616	511	995	584	576	598	1040	503
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.91	0.57	1.1	20.0	2.2	2.4	0.27	0.88	0.05	0.05	0.04	0.05	0.05
TEMPERATURE	°C	12	14	14	11	7	11	12	14	12	13	13	16	14
BROMIDE	mg/L	0.09	0.07	0.08	0.20	0.21	0.30	0.23	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.87	3.06	2.92	2.88	3.80	4.19	2.74	3.08	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.29	0.33	0.23	0.54	0.22
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	83	81	100	0	100