

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

January 2022

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	8.2	8.1	8.3	14.6	11.2	1.3	6.1	7.8	8.4	8.2	14.3	7.8	6.4
CALCIUM	mg/L	69	69	68	31	25	27	24	70	68	72	31	68	24
MAGNESIUM	mg/L	25	26	26	8	6	14	13	26	25	28	8	26	12
SODIUM	mg/L	89	93	92	68	60	64	55	94	99	103	75	102	60
POTASSIUM	mg/L	4.2	4.5	4.8	2.2	2.0	3.5	3.5	4.5	4.5	4.8	2.2	4.5	3.4
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO <sub>3</sub>	mg/L	163	163	161	99	94	124	106	160	154	154	102	145	101
SULFATE	mg/L	206	206	204	61	50	42	47	203	217	211	69	216	54
CHLORIDE	mg/L	92	93	92	67	60	84	71	92	96	96	71	97	73
NITRATE	mg/L	1.2	1.1	0.8	3.8	2.2	<0.1	<0.1	0.8	0.9	0.9	3.8	0.9	0.7
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	576	582	577	305	263	298	273	578	596	602	326	595	285
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	277	275	272	103	84	124	113	270	271	272	104	269	111
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	134	134	132	81	77	102	87	131	126	126	84	119	83
FREE CARBON DIOXIDE	mg/L	1.5	1.4	1.7	2.0	1.6	1.3	4.5	1.3	1.9	1.9	1.0	1.6	0.7
pH	pH	8.25	8.30	8.20	7.91	7.99	8.19	7.59	8.30	8.14	8.12	8.24	8.18	8.39
SPECIFIC CONDUCTANCE	µS/cm	933	937	928	525	455	552	493	922	965	963	557	964	525
COLOR	CU	3	2	3	3	5	3	5	3	1	1	1	1	1
TURBIDITY	NTU	1.2	0.37	3.2	3.5	1.7	2.8	0.42	0.83	0.04	0.04	0.04	0.05	0.04
TEMPERATURE	°C	12	12	16	13	10	13	14	11	14	15	15	16	15
BROMIDE	mg/L	0.08	0.06	0.07	0.24	0.22	0.26	0.22	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.00	3.02	2.88	2.00	2.96	3.80	2.68	3.04	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.50	0.50	0.14	0.54	0.24
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100