

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

September 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	8.3	7.5	7.6	15.0	9.7	1.0	6.0	8.0	8.0	7.8	14.6	7.7	6.0
CALCIUM	mg/L	66	66	64	34	22	26	28	69	49	67	33	72	30
MAGNESIUM	mg/L	24	26	26	6	5	15	13	25	17	26	6	26	13
SODIUM	mg/L	94	101	100	66	72	74	57	100	91	101	70	103	62
POTASSIUM	mg/L	4.7	4.8	4.6	2.1	1.9	4.1	3.6	4.8	3.7	4.7	1.9	5.0	3.8
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	1	0	0	0	4	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	163	160	151	101	92	120	117	161	123	145	105	152	116
SULFATE	mg/L	213	212	214	71	60	45	46	211	193	227	81	230	55
CHLORIDE	mg/L	97	98	99	63	66	93	69	98	97	105	68	106	76
NITRATE	mg/L	0.9	1.0	0.6	3.4	0.3	<0.1	<0.1	0.7	0.7	0.6	3.5	0.8	0.4
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.7	0.7	0.7	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	590	598	592	311	283	322	281	597	522	612	331	627	305
TOTAL HARDNESS AS CaCO ₃	mg/L	287	285	276	106	79	128	126	284	188	272	111	284	125
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	133	124	83	75	104	96	132	101	119	86	125	95
FREE CARBON DIOXIDE	mg/L	3.3	1.2	1.5	4.7	1.7	0.5	4.2	1.3	1.3	1.8	1.0	1.8	1.2
pH	pH	7.92	8.36	8.22	7.55	7.96	8.65	7.67	8.30	8.21	8.12	8.24	8.15	8.20
SPECIFIC CONDUCTANCE	µS/cm	980	969	967	533	491	597	518	976	906	1000	571	1020	550
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.8	0.61	2.2	21.0	1.1	0.55	0.80	0.45	0.06	0.04	0.04	0.05	0.05
TEMPERATURE	°C	26	30	29	21	23	26	16	29	25	28	25	30	26
BROMIDE	mg/L	0.09	0.08	0.09	0.24	0.25	0.29	0.22	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.92	3.13	3.00	1.64	2.83	4.62	2.64	3.06	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.56	0.67	0.35	0.77	0.28
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	46	1	100	0	100