

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D  
June 2024

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	7.7	7.7	7.0	14.5	10.4	3.9	7.8	6.4	8.0	8.0	14.5	7.5	10.3
CALCIUM	mg/L	80	79	74	37	21	26	23	67	61	61	37	65	22
MAGNESIUM	mg/L	26	27	28	13	10	12	11	24	23	23	13	24	10
SODIUM	mg/L	99	100	106	40	43	53	46	93	96	98	45	99	49
POTASSIUM	mg/L	5.3	5.4	5.4	2.6	2.9	3.4	3.4	5.0	4.8	4.8	2.6	5.1	2.9
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	4
ALKALINITY, BICARBONATE AS HCO <sub>3</sub>	mg/L	170	167	157	115	93	112	99	150	144	135	120	144	81
SULFATE	mg/L	233	238	241	83	38	42	42	206	198	205	88	211	45
CHLORIDE	mg/L	99	102	111	36	54	69	59	98	101	101	39	102	57
NITRATE	mg/L	2.7	2.4	1.0	2.5	1.2	0.4	0.5	1.0	1.2	1.2	2.5	1.1	2.0
FLUORIDE	mg/L	0.3	0.3	0.4	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	638	645	652	286	227	266	242	576	566	570	302	587	243
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	312	314	306	148	98	118	108	273	247	256	150	278	99
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	139	137	129	94	76	92	81	123	118	111	98	118	72
FREE CARBON DIOXIDE	mg/L	1.9	1.5	2.0	4.0	1.3	3.2	1.1	1.7	1.4	1.4	1.2	1.6	0.3
pH	pH	8.17	8.28	8.11	7.68	8.08	7.76	8.18	8.16	8.23	8.20	8.22	8.17	8.74
SPECIFIC CONDUCTANCE	µS/cm	1000	1020	1040	480	399	485	432	934	945	947	507	972	437
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.51	0.24	0.36	1.2	1.1	1.2	0.52	0.51	0.04	0.03	0.04	0.05	0.04
TEMPERATURE	°C	22	25	20	14	19	18	17	22	21	22	19	27	23
BROMIDE	mg/L	0.09	0.08	0.10	0.12	0.17	0.22	0.18	0.11	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.40	3.34	3.11	3.04	4.27	4.20	2.96	3.50	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.62	0.59	0.35	0.68	0.59
STATE PROJECT WATER	%	0	0	0	100	100	100	100	12	22	23	100	17	100