

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 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	8.7	8.6	8.8	13.8	10.4	4.8	8.9	9.9	9.4	9.6	13.5	9.8	10.7
CALCIUM	mg/L	75	74	72	38	15	26	21	60	55	53	38	61	16
MAGNESIUM	mg/L	26	26	27	14	9	13	11	22	21	21	14	23	9
SODIUM	mg/L	94	95	101	40	30	54	47	82	87	84	46	93	39
POTASSIUM	mg/L	5.0	5.1	5.3	2.8	2.1	3.5	3.4	4.5	4.3	4.2	2.7	4.6	2.2
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	2	0	0	0	0	0	4
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	165	162	156	117	78	121	89	142	126	122	121	132	79
SULFATE	mg/L	227	227	237	84	16	41	42	182	180	171	88	201	24
CHLORIDE	mg/L	97	98	105	38	41	71	61	86	90	87	43	91	46
NITRATE	mg/L	1.6	1.4	0.8	2.3	0.6	<0.1	<0.1	0.7	0.9	0.9	2.2	0.7	1.2
FLUORIDE	mg/L	0.3	0.3	0.3	0.3	<0.1	0.1	0.1	0.3	0.8	0.7	0.8	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	617	616	635	292	163	274	241	518	511	492	309	551	192
TOTAL HARDNESS AS CaCO ₃	mg/L	295	292	296	153	76	120	100	243	225	215	151	243	74
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	133	128	96	64	99	77	116	103	100	99	108	71
FREE CARBON DIOXIDE	mg/L	2.1	2.0	1.8	4.0	2.5	2.2	0.5	2.5	1.2	1.1	1.2	1.6	0.3
pH	pH	8.11	8.14	8.15	7.69	7.72	7.97	8.47	7.98	8.24	8.27	8.24	8.15	8.75
SPECIFIC CONDUCTANCE	µS/cm	1010	1010	1040	490	306	508	446	862	863	829	517	908	351
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	3.3	1.2	1.3	1.3	1.7	1.8	1.8	1.3	0.03	0.04	0.04	0.04	0.04
TEMPERATURE	°C	19	21	22	16	17	20	18	20	19	19	18	21	17
BROMIDE	mg/L	0.09	0.06	0.10	0.12	0.13	0.22	0.19	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.30	3.35	3.38	3.11	2.87	4.07	3.33	3.28	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.47	0.52	0.36	0.51	0.38
STATE PROJECT WATER	%	0	0	0	100	100	100	100	22	32	35	100	23	100