

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

April 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	7.4	7.3	7.5	14.4	10.9	3.2	7.9	3.1	7.9	7.8	14.3	4.6	10.9
CALCIUM	mg/L	81	81	75	36	21	26	23	43	76	78	38	62	22
MAGNESIUM	mg/L	28	28	29	12	11	13	11	17	29	29	13	23	11
SODIUM	mg/L	104	108	108	40	47	54	46	67	117	116	46	95	54
POTASSIUM	mg/L	5.6	5.6	5.4	2.5	3.2	3.5	3.4	4.0	5.4	5.4	2.6	4.9	3.1
ALKALINITY, CARBONATE AS CO <sub>3</sub>	mg/L	0	0	0	0	0	0	0	2	0	0	0	0	2
ALKALINITY, BICARBONATE AS HCO <sub>3</sub>	mg/L	167	163	156	111	94	113	99	117	155	150	115	126	82
SULFATE	mg/L	247	239	231	83	34	40	40	114	250	253	89	195	47
CHLORIDE	mg/L	106	106	108	36	61	68	58	78	116	116	39	100	67
NITRATE	mg/L	2.8	2.0	0.8	2.2	2.4	0.5	0.8	0.3	0.9	0.9	2.3	0.5	2.8
FLUORIDE	mg/L	0.4	0.3	0.3	0.3	<0.1	0.1	0.1	0.2	0.8	0.8	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	666	659	643	282	238	265	240	387	680	682	302	549	262
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	319	315	296	143	99	117	105	172	303	305	143	242	99
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	137	134	128	91	77	93	81	100	127	123	94	103	71
FREE CARBON DIOXIDE	mg/L	2.5	1.8	2.1	2.7	2.0	3.4	1.0	0.8	1.5	1.5	1.0	1.5	0.3
pH	pH	8.05	8.18	8.09	7.84	7.89	7.74	8.20	8.41	8.23	8.22	8.29	8.14	8.70
SPECIFIC CONDUCTANCE	µS/cm	1060	1070	1050	467	430	480	431	668	1080	1070	498	917	466
COLOR	CU	3	3	3	5	15	5	5	10	1	2	1	2	1
TURBIDITY	NTU	0.64	0.22	0.58	2.4	1.6	0.46	0.39	1.0	0.04	0.03	0.04	0.04	0.04
TEMPERATURE	°C	17	17	16	13	12	15	15	16	16	17	16	20	15
BROMIDE	mg/L	0.10	0.06	0.09	0.11	0.19	0.21	0.18	0.15	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.30	3.08	3.05	3.15	4.44	3.94	2.81	3.36	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.65	0.65	0.36	0.46	0.41
STATE PROJECT WATER	%	0	0	0	100	100	100	100	58	1	0	100	30	100