

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

December 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	8.2	8.3	8.9	13.4	11.2	5.2	9.0	9.5	8.9	9.0	13.2	9.6	11.1
CALCIUM	mg/L	75	75	74	35	16	26	23	63	74	74	36	66	17
MAGNESIUM	mg/L	26	26	27	14	9	13	11	23	27	27	14	24	9
SODIUM	mg/L	96	96	101	40	34	54	46	84	107	106	46	98	41
POTASSIUM	mg/L	5.1	5.1	5.3	2.7	2.2	3.4	3.3	4.6	5.2	5.2	2.7	4.7	2.2
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	2
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	162	161	157	117	84	118	96	144	154	151	120	139	82
SULFATE	mg/L	229	228	234	80	19	40	40	187	245	243	87	222	26
CHLORIDE	mg/L	97	98	104	40	44	69	58	87	108	107	43	97	51
NITRATE	mg/L	1.8	1.7	1.0	1.4	1.2	<0.1	0.5	0.9	1.1	1.1	1.5	1.1	1.6
FLUORIDE	mg/L	0.3	0.3	0.3	0.3	<0.1	0.1	0.1	0.3	0.7	0.8	0.7	0.8	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	619	619	634	285	179	270	239	531	654	649	304	593	203
TOTAL HARDNESS AS CaCO ₃	mg/L	296	295	293	145	78	119	103	251	288	292	147	265	76
TOTAL ALKALINITY AS CaCO ₃	mg/L	133	132	129	96	69	97	79	118	126	124	98	114	71
FREE CARBON DIOXIDE	mg/L	2.5	1.9	2.0	2.6	2.3	3.4	3.9	2.6	1.5	1.5	1.0	1.6	0.3
pH	pH	8.03	8.16	8.12	7.88	7.79	7.76	7.61	7.97	8.24	8.22	8.28	8.15	8.75
SPECIFIC CONDUCTANCE	µS/cm	1020	1020	1040	483	329	510	440	888	1060	1060	513	965	368
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	2.3	0.55	1.1	1.9	1.7	1.0	0.26	0.86	0.04	0.03	0.04	0.04	0.04
TEMPERATURE	°C	14	15	18	15	12	16	16	16	16	17	17	18	14
BROMIDE	mg/L	0.09	0.06	0.09	0.13	0.14	0.22	0.18	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.43	3.29	3.17	2.90	2.70	3.87	2.99	3.21	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.67	0.65	0.36	0.53	0.33
STATE PROJECT WATER	%	0	0	0	100	100	100	100	20	0	1	100	13	100