

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

February 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	7.9	8.0	8.3	14.8	10.9	2.3	6.1	7.7	8.0	8.2	14.5	7.4	6.4
CALCIUM	mg/L	71	71	69	32	24	27	25	67	71	72	31	66	26
MAGNESIUM	mg/L	26	26	27	8	6	14	13	25	27	27	8	26	13
SODIUM	mg/L	92	94	95	72	62	66	55	90	105	104	73	100	65
POTASSIUM	mg/L	4.5	4.5	4.6	2.1	1.9	3.8	3.6	4.4	4.8	4.7	2.2	4.7	3.6
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	168	166	163	99	96	128	105	161	154	155	102	145	100
SULFATE	mg/L	208	204	203	63	51	42	46	202	217	212	68	214	55
CHLORIDE	mg/L	93	91	91	68	62	83	69	92	97	97	72	98	74
NITRATE	mg/L	1.5	1.2	0.9	3.7	2.1	<0.1	0.5	0.9	1.0	1.0	3.8	1.0	0.7
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	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	588	583	581	313	268	302	271	570	608	604	324	590	294
TOTAL HARDNESS AS CaCO ₃	mg/L	283	274	274	107	85	124	112	271	276	276	108	273	114
TOTAL ALKALINITY AS CaCO ₃	mg/L	138	136	134	81	79	105	86	132	126	127	84	119	82
FREE CARBON DIOXIDE	mg/L	1.5	1.5	1.7	1.8	1.4	2.0	3.3	1.9	1.9	2.0	0.8	1.9	0.7
pH	pH	8.26	8.26	8.21	7.97	8.06	8.03	7.72	8.16	8.14	8.12	8.31	8.11	8.40
SPECIFIC CONDUCTANCE	µS/cm	948	943	935	525	477	557	494	934	965	956	555	954	526
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.59	0.94	0.73	1.9	0.39	1.6	0.27	0.64	0.04	0.04	0.04	0.05	0.04
TEMPERATURE	°C	11	12	15	12	9	12	14	16	14	15	15	16	16
BROMIDE	mg/L	0.08	0.06	0.08	0.24	0.23	0.26	0.21	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	3.06	2.90	1.84	2.90	3.80	2.60	3.02	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.51	0.51	0.25	0.48	0.25
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	5	100