

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

August 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	7.2	7.0	7.7	14.9	5.9	1.0	5.8	7.3	7.4	7.5	14.7	7.5	5.9
CALCIUM	mg/L	70	69	66	31	26	27	28	67	64	62	32	69	29
MAGNESIUM	mg/L	25	26	26	6	5	14	12	26	25	25	7	26	13
SODIUM	mg/L	93	96	95	66	64	69	52	99	103	102	74	108	63
POTASSIUM	mg/L	4.4	4.4	4.5	1.8	1.8	3.9	3.4	4.7	4.5	4.7	2.0	4.8	3.7
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	2	0	0	0	2	0	4	0	0	0	0	0
ALKALINITY, BICARBONATE AS HCO ₃	mg/L	170	163	159	101	100	126	118	160	145	148	106	152	116
SULFATE	mg/L	210	219	220	70	55	44	47	220	221	219	72	223	53
CHLORIDE	mg/L	95	100	101	63	63	93	69	101	102	103	67	103	74
NITRATE	mg/L	1.2	0.9	0.8	3.6	1.2	<0.1	0.7	0.4	0.7	0.7	3.6	0.5	0.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.6	0.7	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	591	606	601	307	272	317	277	610	601	599	326	618	301
TOTAL HARDNESS AS CaCO ₃	mg/L	284	267	275	105	83	125	123	283	275	274	110	285	129
TOTAL ALKALINITY AS CaCO ₃	mg/L	139	138	130	83	82	107	97	137	119	121	87	125	95
FREE CARBON DIOXIDE	mg/L	2.8	1.1	1.7	4.1	1.7	0.7	4.9	0.9	1.7	1.8	1.1	1.7	1.2
pH	pH	8.00	8.40	8.18	7.61	8.00	8.50	7.60	8.49	8.15	8.13	8.19	8.17	8.21
SPECIFIC CONDUCTANCE	µS/cm	978	970	916	530	485	583	525	979	986	977	558	1010	548
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.1	0.42	2.0	1.9	1.0	0.82	0.48	0.52	0.05	0.04	0.04	0.05	0.04
TEMPERATURE	°C	25	29	26	19	19	24	16	28	27	28	25	31	25
BROMIDE	mg/L	0.09	0.06	0.09	0.24	0.24	0.29	0.21	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.04	3.02	2.84	1.48	2.37	4.36	2.66	3.06	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.67	0.68	0.32	0.79	0.36
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100