

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

January 2023

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	8.0	8.0	8.3	15.6	12.3	0.9	5.9	8.3	8.3	8.5	15.3	8.1	5.6
CALCIUM	mg/L	75	73	73	32	24	31	26	72	73	73	33	74	27
MAGNESIUM	mg/L	28	27	27	7	6	16	13	27	27	27	7	28	13
SODIUM	mg/L	100	99	98	62	64	71	56	97	103	103	73	104	61
POTASSIUM	mg/L	4.9	4.8	4.8	2.5	2.1	4.2	3.9	4.8	4.8	4.7	2.4	5.1	3.8
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	160	159	161	102	85	137	106	160	159	156	98	150	102
SULFATE	mg/L	223	224	219	69	52	46	49	218	237	236	90	236	57
CHLORIDE	mg/L	102	103	101	64	66	93	73	101	107	110	70	110	80
NITRATE	mg/L	1.1	1.0	0.8	3.5	2.2	<0.1	<0.1	0.8	0.9	0.9	3.5	0.9	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	622	620	613	307	271	331	280	609	641	642	344	642	300
TOTAL HARDNESS AS CaCO ₃	mg/L	296	294	293	111	81	137	117	289	289	294	114	302	121
TOTAL ALKALINITY AS CaCO ₃	mg/L	131	130	132	84	70	112	87	131	130	128	80	123	84
FREE CARBON DIOXIDE	mg/L	1.5	1.4	1.6	3.5	1.5	1.7	4.8	1.8	1.9	1.9	0.8	1.7	0.6
pH	pH	8.25	8.28	8.23	7.69	7.98	8.12	7.57	8.17	8.15	8.13	8.30	8.16	8.42
SPECIFIC CONDUCTANCE	µS/cm	1010	1010	1000	522	479	612	510	1000	1040	1030	580	1020	547
COLOR	CU	3	3	2	5	5	3	3	3	1	1	1	1	1
TURBIDITY	NTU	1.9	0.42	0.94	58.0	0.69	3.0	0.65	0.64	0.05	0.04	0.03	0.05	0.04
TEMPERATURE	°C	12	13	16	13	10	12	14	12	14	15	14	15	14
BROMIDE	mg/L	0.09	0.06	0.08	0.23	0.25	0.30	0.23	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.99	2.87	2.78	2.68	3.09	4.22	2.86	2.86	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.54	0.53	0.19	0.56	0.26
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100