

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

October 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	8.0	7.6	7.6	15.2	11.4	1.1	5.1	7.2	7.9	8.0	15.2	7.3	5.5
CALCIUM	mg/L	74	71	70	34	23	28	28	71	71	70	34	71	28
MAGNESIUM	mg/L	27	26	26	6	7	15	13	26	26	26	6	26	13
SODIUM	mg/L	96	96	96	66	72	72	56	97	103	102	72	103	61
POTASSIUM	mg/L	4.8	4.9	4.8	2.0	2.4	4.2	3.7	4.9	4.8	4.8	2.0	4.8	3.8
ALKALINITY, CARBONATE AS CO ₃	mg/L	0	0	0	0	0	2	0	0	0	0	0	0	0
ALKALINITY, BICARBONATE AS HC	mg/L	163	160	156	100	92	123	110	161	156	152	102	156	109
SULFATE	mg/L	222	219	218	72	58	47	49	217	232	229	80	229	56
CHLORIDE	mg/L	100	101	101	62	73	96	73	101	105	104	67	106	77
NITRATE	mg/L	0.9	0.7	0.5	3.3	0.2	<0.1	<0.1	0.6	0.6	0.6	3.5	0.6	0.4
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	0.8	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	614	606	602	311	293	327	283	606	629	621	332	626	300
TOTAL HARDNESS AS CaCO ₃	mg/L	289	283	281	108	83	132	120	285	281	281	110	282	120
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	131	128	82	75	105	90	132	128	125	84	128	89
FREE CARBON DIOXIDE	mg/L	3.1	1.6	1.5	4.0	0.8	0.7	1.9	1.7	2.0	2.0	1.0	1.7	1.1
pH	pH	7.94	8.21	8.24	7.62	8.30	8.48	7.98	8.19	8.11	8.11	8.24	8.19	8.20
SPECIFIC CONDUCTANCE	µS/cm	990	986	981	535	513	611	518	984	1020	1010	572	1030	546
COLOR	CU	3	3	3	10	10	5	5	3	1	1	1	2	1
TURBIDITY	NTU	1.2	0.84	2.3	5.8	1.5	0.50	1.1	0.98	0.05	0.04	0.04	0.05	0.04
TEMPERATURE	°C	25	28	27	21	23	25	18	25	24	26	24	27	23
BROMIDE	mg/L	0.09	0.06	0.09	0.24	0.26	0.30	0.23	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.02	3.15	2.98	1.71	3.18	4.67	3.00	3.03	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.63	0.65	0.32	0.75	0.28
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100