

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

December 2021

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	6.6	6.6	8.3	14.7	10.9	1.3	5.5	8.0	8.3	8.2	14.3	8.1	5.9
CALCIUM	mg/L	67	64	68	30	24	27	24	66	68	67	30	69	24
MAGNESIUM	mg/L	25	25	26	10	6	14	13	25	26	26	10	26	13
SODIUM	mg/L	92	90	90	65	66	65	57	93	100	97	70	97	62
POTASSIUM	mg/L	4.4	4.3	4.4	2.3	2.1	3.7	3.5	4.6	4.6	4.6	2.5	4.6	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	159	157	159	105	96	123	102	157	152	154	109	144	99
SULFATE	mg/L	207	206	205	60	54	42	48	204	218	210	67	220	56
CHLORIDE	mg/L	92	92	92	69	65	84	72	92	96	96	74	98	76
NITRATE	mg/L	1.0	0.9	0.7	2.4	1.6	<0.1	<0.1	0.7	0.8	0.8	2.3	0.9	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	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	575	568	574	306	278	299	274	572	598	587	325	596	291
TOTAL HARDNESS AS CaCO ₃	mg/L	278	271	273	115	89	125	115	272	273	275	116	282	115
TOTAL ALKALINITY AS CaCO ₃	mg/L	130	129	130	86	79	101	84	129	125	126	89	118	81
FREE CARBON DIOXIDE	mg/L	1.6	1.5	1.7	2.1	1.5	2.0	1.2	1.6	1.8	1.8	1.1	1.9	0.7
pH	pH	8.22	8.25	8.20	7.93	8.02	8.01	8.16	8.21	8.14	8.15	8.20	8.11	8.39
SPECIFIC CONDUCTANCE	µS/cm	936	938	936	526	484	559	500	930	966	956	562	960	529
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.7	0.70	2.5	4.2	0.88	2.4	0.49	2.0	0.04	0.04	0.04	0.06	0.05
TEMPERATURE	°C	17	17	20	15	12	17	16	17	16	18	16	18	17
BROMIDE	mg/L	0.08	0.05	0.07	0.24	0.23	0.25	0.22	0.07	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.94	3.04	2.89	2.07	2.66	3.97	3.04	2.95	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.54	0.59	0.17	0.52	0.25
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100