

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

August 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	7.9	5.9	6.7	10.8	9.5	1.9	6.0	5.2	7.1	7.3	11.0	5.1	6.5
CALCIUM	mg/L	69	67	65	30	26	25	26	67	65	65	29	74	27
MAGNESIUM	mg/L	24	24	24	13	9	13	12	24	25	26	13	28	13
SODIUM	mg/L	85	89	94	59	68	62	55	92	99	97	63	105	62
POTASSIUM	mg/L	4.3	4.2	4.4	2.8	2.6	3.6	3.3	4.5	4.4	4.4	2.7	4.8	3.4
CARBONATE	mg/L	0	2	0	0	0	2	0	2	0	0	0	0	0
BICARBONATE	mg/L	167	156	154	105	109	111	109	159	148	149	113	146	112
SULFATE	mg/L	197	196	200	53	55	42	46	196	212	209	59	213	52
CHLORIDE	mg/L	87	87	89	68	76	81	67	88	94	94	72	94	73
NITRATE	mg/L	1.2	0.9	0.6	1.7	1.6	<0.1	1.0	0.3	0.6	0.6	1.8	0.4	1.2
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	559	554	561	291	303	286	271	559	582	579	309	598	295
TOTAL HARDNESS AS CaCO ₃	mg/L	275	273	269	124	106	118	116	271	268	268	124	294	119
TOTAL ALKALINITY AS CaCO ₃	mg/L	137	132	126	86	89	95	89	134	121	122	93	120	92
FREE CARBON DIOXIDE	mg/L	2.2	1.0	1.3	4.2	1.3	0.6	3.7	0.8	1.8	1.9	1.2	1.8	1.0
pH	pH	8.10	8.44	8.29	7.62	8.13	8.52	7.69	8.52	8.14	8.12	8.18	8.14	8.27
SPECIFIC CONDUCTANCE	µS/cm	891	926	931	523	544	546	501	928	966	958	553	964	538
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.76	0.27	0.51	2.9	0.67	0.83	0.26	0.87	0.04	0.04	0.04	0.06	0.05
TEMPERATURE	°C	26	29	27	16	22	24	15	29	26	27	22	30	23
BROMIDE	mg/L	0.08	0.07	0.08	0.22	0.26	0.26	0.21	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.10	3.12	3.18	2.24	2.65	4.37	2.48	3.12	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.64	0.64	0.23	0.74	0.30
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100