

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

July 2020

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	7.3	7.5	7.6	9.9	11.3	1.9	1.7	6.6	6.7	6.6	9.3	4.9	9.3
CALCIUM	mg/L	69	72	68	26	23	23	18	48	69	69	26	56	24
MAGNESIUM	mg/L	25	26	26	11	9	12	12	19	26	26	12	21	9
SODIUM	mg/L	86	93	92	40	49	54	51	71	99	97	47	83	58
POTASSIUM	mg/L	4.4	4.6	4.6	2.6	2.3	3.2	3.3	4.0	4.7	4.7	2.6	4.2	2.3
CARBONATE	mg/L	0	2	0	0	0	0	11	4	0	0	0	0	0
BICARBONATE	mg/L	165	159	154	90	100	105	49	124	149	146	99	134	95
SULFATE	mg/L	204	210	213	47	43	39	46	132	218	218	51	160	50
CHLORIDE	mg/L	84	87	90	48	55	73	68	78	94	94	52	86	60
NITRATE	mg/L	1.4	1.2	0.6	1.7	1.0	0.1	<0.1	0.1	0.8	0.8	1.8	0.2	1.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	0.1	0.1	0.1	0.2	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	564	583	579	231	243	259	236	425	593	590	252	483	262
TOTAL HARDNESS AS CaCO ₃	mg/L	276	275	266	110	90	104	90	195	273	273	112	221	96
TOTAL ALKALINITY AS CaCO ₃	mg/L	135	134	126	74	82	86	58	108	122	120	81	110	78
FREE CARBON DIOXIDE	mg/L	1.7	1.0	1.9	5.0	0.9	2.6	0.1	0.6	2.1	2.0	0.8	1.8	0.8
pH	pH	8.22	8.42	8.13	7.48	8.27	7.83	9.30	8.54	8.08	8.08	8.30	8.10	8.31
SPECIFIC CONDUCTANCE	µS/cm	943	946	948	416	430	494	457	735	990	980	440	824	479
COLOR	CU	3	2	1	10	10	5	3	5	1	1	1	1	2
TURBIDITY	NTU	1.2	0.43	0.72	0.64	0.94	0.51	0.68	1.1	0.04	0.04	0.04	0.06	0.05
TEMPERATURE	°C	24	27	24	14	21	18	17	24	24	27	20	28	26
BROMIDE	mg/L	0.07	0.05	0.09	0.14	0.18	0.23	0.21	0.14	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.14	3.08	2.98	2.76	3.16	3.85	3.06	3.10	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.60	0.60	0.23	0.53	0.27
STATE PROJECT WATER	%	0	0	0	100	100	100	100	38	0	0	100	26	100