

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

May 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	6.6	7.0	6.4	10.4	8.1	2.9	7.2	4.2	5.7	5.6	10.5	5.6	6.4
CALCIUM	mg/L	71	69	64	25	22	23	23	44	66	67	26	43	23
MAGNESIUM	mg/L	24	25	25	12	10	12	11	17	26	27	12	17	11
SODIUM	mg/L	86	85	88	42	43	51	48	67	100	100	47	73	58
POTASSIUM	mg/L	4.3	4.4	4.5	2.6	2.4	3.0	3.1	3.7	4.8	4.8	2.6	3.9	2.8
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	1	0	1
BICARBONATE	mg/L	162	161	145	92	96	100	100	126	143	144	96	120	95
SULFATE	mg/L	210	214	212	49	36	38	44	121	221	220	53	118	47
CHLORIDE	mg/L	85	88	89	50	55	72	65	74	95	95	54	79	66
NITRATE	mg/L	1.5	1.3	0.2	1.5	2.3	0.8	1.3	0.3	0.3	0.3	1.6	0.4	1.1
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	<0.1	0.1	0.2	0.8	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	570	574	562	239	227	253	250	394	591	592	256	401	265
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	278	277	263	109	92	106	101	182	268	267	109	174	98
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	133	132	119	75	79	82	77	103	117	118	81	98	80
FREE CARBON DIOXIDE	mg/L	2.3	1.4	2.0	3.4	2.2	3.3	4.1	1.0	1.8	1.8	0.7	1.5	0.6
pH	pH	8.07	8.29	8.08	7.65	7.86	7.70	7.58	8.30	8.13	8.13	8.35	8.11	8.42
SPECIFIC CONDUCTANCE	µS/cm	949	940	930	422	423	482	471	694	949	963	456	693	489
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.56	0.77	2.0	0.82	0.97	0.58	0.52	1.4	0.04	0.05	0.04	0.06	0.06
TEMPERATURE	°C	22	22	17	13	15	15	14	20	19	23	19	24	20
BROMIDE	mg/L	0.07	0.06	0.09	0.15	0.17	0.22	0.20	0.14	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.00	3.03	3.14	2.78	3.44	3.49	2.51	3.33	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.54	0.60	0.31	0.41	0.32
STATE PROJECT WATER	%	0	0	0	100	100	100	100	51	5	6	100	58	100