

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

May 2018

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	7.2	7.3	8.5	12.2	8.4	8.4	8.4	7.5	7.6	7.6	12.4	7.7	9.6
CALCIUM	mg/L	73	76	73	21	22	24	24	70	75	73	21	74	22
MAGNESIUM	mg/L	25	25	26	10	12	12	12	24	27	26	10	25	11
SODIUM	mg/L	88	89	94	38	53	59	51	85	105	101	45	95	59
POTASSIUM	mg/L	4.4	4.4	4.7	2.5	2.7	3.1	3.1	4.3	5.0	4.8	2.5	4.6	2.6
CARBONATE	mg/L	0	1	0	0	0	0	0	0	0	0	2	0	0
BICARBONATE	mg/L	163	159	151	81	93	98	96	154	149	146	81	144	89
SULFATE	mg/L	222	224	238	38	44	45	52	209	242	240	44	217	50
CHLORIDE	mg/L	86	87	94	52	72	80	70	89	98	96	55	93	70
NITRATE	mg/L	1.6	1.6	2.1	2.0	2.2	1.3	0.5	1.2	1.0	1.0	2.1	1.3	2.7
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	<0.1	0.1	0.3	0.7	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	589	595	616	216	263	282	269	567	636	623	235	590	272
TOTAL HARDNESS AS CaCO ₃	mg/L	284	285	283	85	100	104	106	260	283	278	87	273	100
TOTAL ALKALINITY AS CaCO ₃	mg/L	134	132	124	66	76	80	79	126	122	120	70	118	73
FREE CARBON DIOXIDE	mg/L	1.5	1.1	4.4	3.0	1.1	2.6	0.9	1.3	1.8	1.8	0.5	1.8	0.6
pH	pH	8.27	8.39	7.76	7.65	8.14	7.79	8.25	8.31	8.14	8.12	8.49	8.12	8.41
SPECIFIC CONDUCTANCE	µS/cm	964	968	993	395	484	508	474	880	1010	1010	422	953	498
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.47	0.34	0.14	0.90	0.87	0.59	0.28	0.82	0.05	0.04	0.04	0.06	0.05
TEMPERATURE	°C	19	19	16	14	14	15	17	20	17	20	18	22	20
BROMIDE	mg/L	0.07	0.05	0.08	0.16	0.22	0.25	0.22	0.09	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.84	2.83	2.92	3.08	4.00	3.68	2.90	3.01	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.55	0.56	0.34	0.60	0.24
STATE PROJECT WATER	%	0	0	0	100	100	100	100	15	2	2	100	13	100