

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

August 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	7.8	7.4	7.1	11.6	11.5	6.8	8.4	9.2	8.6	8.6	11.7	8.8	10.9
CALCIUM	mg/L	73	71	67	21	20	25	26	52	52	51	21	56	19
MAGNESIUM	mg/L	25	25	26	10	11	13	12	20	22	21	10	21	11
SODIUM	mg/L	90	88	94	40	50	61	54	73	89	86	48	86	55
POTASSIUM	mg/L	4.6	4.5	4.8	2.5	2.6	3.4	3.5	3.8	4.1	4.0	2.4	4.1	2.5
CARBONATE	mg/L	0	1	0	0	2	0	2	0	0	0	1	0	1
BICARBONATE	mg/L	160	156	142	82	79	105	96	131	124	117	88	121	77
SULFATE	mg/L	218	217	226	39	38	46	50	154	180	178	45	169	48
CHLORIDE	mg/L	84	86	91	53	65	82	68	79	90	89	57	89	69
NITRATE	mg/L	1.2	1.0	0.4	2.3	0.3	0.3	0.2	0.4	0.4	0.5	2.4	0.8	1.0
FLUORIDE	mg/L	0.3	0.3	0.3	0.1	<0.1	0.1	0.1	0.2	0.8	0.8	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	584	579	588	220	240	290	272	457	509	497	243	496	257
TOTAL HARDNESS AS CaCO ₃	mg/L	290	280	272	96	95	115	114	214	226	216	93	224	100
TOTAL ALKALINITY AS CaCO ₃	mg/L	131	130	116	67	69	86	83	107	102	96	74	99	65
FREE CARBON DIOXIDE	mg/L	2.5	1.2	2.4	5.4	0.3	2.4	0.6	0.8	1.6	1.4	0.6	1.5	0.5
pH	pH	8.03	8.36	7.99	7.40	8.71	7.86	8.46	8.43	8.11	8.15	8.41	8.14	8.41
SPECIFIC CONDUCTANCE	µS/cm	955	960	973	383	442	542	499	788	831	811	427	801	449
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	1.1	0.46	1.1	0.70	0.62	1.2	1.6	0.78	0.05	0.05	0.04	0.07	0.05
TEMPERATURE	°C	26	29	26	15	26	25	18	29	26	29	22	30	28
BROMIDE	mg/L	0.07	0.05	0.08	0.16	0.19	0.26	0.20	0.12	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.36	3.26	3.28	3.19	3.81	4.41	3.44	3.48	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.52	0.52	0.34	0.73	0.30
STATE PROJECT WATER	%	0	0	0	100	100	100	100	35	35	38	100	36	100