

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

April 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	8.1	8.1	8.4	11.3	8.8	8.7	8.4	8.3	8.4	8.4	11.5	7.8	8.2
CALCIUM	mg/L	76	76	69	20	21	23	24	50	69	65	19	58	20
MAGNESIUM	mg/L	26	26	26	10	12	12	12	19	26	25	10	22	12
SODIUM	mg/L	91	92	93	40	55	58	52	71	103	98	45	92	63
POTASSIUM	mg/L	4.6	4.8	4.6	2.5	2.8	3.2	3.3	3.7	5.0	4.8	2.5	4.5	2.8
CARBONATE	mg/L	0	0	0	0	1	0	0	0	0	0	2	0	1
BICARBONATE	mg/L	162	161	150	81	88	98	94	132	143	139	78	133	88
SULFATE	mg/L	233	232	240	37	39	46	51	145	236	220	46	175	46
CHLORIDE	mg/L	90	91	95	51	76	82	68	79	97	95	54	90	79
NITRATE	mg/L	1.8	1.7	0.8	2.0	2.0	0.8	1.0	1.1	1.0	1.1	2.1	1.3	2.6
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	0.8	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	612	612	612	214	262	283	267	443	618	588	231	518	279
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	292	292	278	84	100	111	110	202	274	262	84	238	98
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	133	132	123	66	74	80	77	108	117	114	68	109	74
FREE CARBON DIOXIDE	mg/L	1.5	1.2	1.9	2.3	0.5	1.9	1.6	1.2	1.5	1.7	0.4	1.5	0.5
pH	pH	8.26	8.34	8.12	7.76	8.44	7.94	8.00	8.27	8.20	8.14	8.51	8.16	8.50
SPECIFIC CONDUCTANCE	µS/cm	958	993	1010	388	490	533	487	763	1010	961	428	851	514
COLOR	CU	2	2	2	10	10	10	5	3	1	1	1	1	1
TURBIDITY	NTU	0.41	0.30	0.74	1.2	0.73	0.53	0.24	0.59	0.05	0.05	0.04	0.07	0.05
TEMPERATURE	°C	16	17	16	14	14	14	16	17	16	18	18	21	18
BROMIDE	mg/L	0.08	0.06	0.09	0.16	0.24	0.27	0.21	0.13	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	2.91	3.06	2.99	3.34	3.70	4.04	2.70	3.09	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.57	0.51	0.26	0.54	0.31
STATE PROJECT WATER	%	0	0	0	100	100	100	100	46	8	8	100	30	100