

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

October 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	8.5	8.2	8.0	11.6	8.1	6.9	8.6	7.6	8.6	8.5	11.9	8.5	8.8
CALCIUM	mg/L	70	73	67	21	17	25	23	52	57	52	21	54	16
MAGNESIUM	mg/L	24	25	26	10	11	13	12	20	23	21	10	21	11
SODIUM	mg/L	87	88	92	40	49	59	53	74	94	86	46	85	62
POTASSIUM	mg/L	4.4	4.6	4.6	2.4	2.7	3.3	3.4	3.9	4.4	4.0	2.4	4.0	2.9
CARBONATE	mg/L	0	0	0	0	0	0	8	0	0	0	2	0	0
BICARBONATE	mg/L	160	157	133	83	82	110	78	148	131	121	88	127	81
SULFATE	mg/L	216	216	224	40	25	45	53	145	190	178	43	168	34
CHLORIDE	mg/L	84	86	90	54	73	82	72	79	96	92	57	93	91
NITRATE	mg/L	1.0	0.8	0.3	2.5	0.4	<0.1	<0.1	0.3	0.6	0.7	2.6	0.7	1.2
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	575	580	579	223	227	289	272	456	529	504	240	498	268
TOTAL HARDNESS AS CaCO <sub>3</sub>	mg/L	282	284	272	94	88	116	112	206	233	219	94	218	86
TOTAL ALKALINITY AS CaCO <sub>3</sub>	mg/L	131	129	109	68	67	90	78	121	107	99	76	104	66
FREE CARBON DIOXIDE	mg/L	3.6	1.3	1.5	6.2	1.6	3.4	0.2	1.3	1.8	1.5	0.6	1.5	0.5
pH	pH	7.87	8.29	8.16	7.35	7.93	7.73	9.00	8.29	8.08	8.12	8.42	8.14	8.45
SPECIFIC CONDUCTANCE	µS/cm	959	959	981	411	444	544	509	779	897	852	444	841	518
COLOR	CU	5	2	3	10	10	10	2	5	0	0	0	0	1
TURBIDITY	NTU	0.72	0.33	1.4	0.95	0.62	0.85	0.48	0.76	0.05	0.04	0.04	0.06	0.05
TEMPERATURE	°C	25	27	26	16	22	24	22	26	23	26	21	25	22
BROMIDE	mg/L	0.08	0.05	0.08	0.17	0.24	0.26	0.23	0.12	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.00	3.14	2.98	2.80	2.90	3.92	3.92	3.26	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.43	0.47	0.28	0.59	0.15
STATE PROJECT WATER	%	0	0	0	100	100	100	100	37	24	29	100	32	100