

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

May 2016

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	6.8	6.8	7.7	14.9	8.1	8.9	8.1	6.6	7.3	7.4	14.5	6.8	9.3
CALCIUM	mg/L	77	77	76	34	25	31	31	75	80	76	34	82	26
MAGNESIUM	mg/L	25	25	26	11	9	13	13	25	27	27	11	26	11
SODIUM	mg/L	93	95	97	82	56	87	62	96	106	105	97	103	73
POTASSIUM	mg/L	4.6	4.6	4.9	2.9	2.5	3.3	3.5	4.8	5.0	4.9	2.9	5.0	3.0
CARBONATE	mg/L	0	0	0	0	0	0	0	0	0	0	0	0	0
BICARBONATE	mg/L	161	162	159	109	93	117	109	161	151	154	115	156	93
SULFATE	mg/L	240	243	252	85	59	76	69	241	259	263	103	247	75
CHLORIDE	mg/L	91	93	97	97	59	106	76	94	104	104	98	105	78
NITRATE	mg/L	1.6	1.6	1.0	4.0	2.7	0.2	1.3	1.4	1.1	1.1	4.1	1.5	3.8
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.1	0.2	0.1	0.3	0.8	0.8	0.7	0.7	0.7
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	620	627	641	386	268	384	319	625	666	666	423	655	326
TOTAL HARDNESS AS CaCO ₃	mg/L	300	298	302	131	98	133	133	298	304	304	132	305	111
TOTAL ALKALINITY AS CaCO ₃	mg/L	132	133	130	89	76	96	89	132	124	126	94	128	76
FREE CARBON DIOXIDE	mg/L	2.0	1.3	2.1	4.8	0.7	1.0	3.3	1.5	2.0	1.9	1.1	2.0	0.8
pH	pH	8.13	8.32	8.10	7.58	8.34	8.28	7.74	8.24	8.09	8.14	8.22	8.12	8.27
SPECIFIC CONDUCTANCE	µS/cm	976	1030	1040	673	475	687	584	997	1050	1040	719	1020	561
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	0.34	0.65	0.89	1.8	1.1	1.3	0.65	0.34	0.05	0.04	0.03	0.05	0.07
TEMPERATURE	°C	20	20	19	14	18	19	16	20	18	20	19	23	21
BROMIDE	mg/L	0.08	0.05	0.08	0.35	0.20	0.37	0.24	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.02	2.98	3.24	2.60	4.52	4.02	3.09	3.08	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.54	0.64	0.27	0.68	0.17
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100