

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

November 2014

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	8.4	8.7	14.3	12.4	7.8	8.9	9.5	9.2	9.2	13.9	9.5	8.9
CALCIUM	mg/L	75	74	74	37	28	28	28	67	75	75	36	71	29
MAGNESIUM	mg/L	26	27	26	13	10	14	15	25	27	27	12	26	14
SODIUM	mg/L	92	91	91	76	75	72	60	87	101	100	78	97	77
POTASSIUM	mg/L	4.6	4.7	5.0	2.9	2.6	3.0	3.7	4.5	4.7	4.8	2.6	4.7	3.4
CARBONATE	mg/L	0	0	0	0	0	0	2	0	0	0	0	0	0
BICARBONATE	mg/L	161	161	163	113	106	117	95	154	157	156	111	155	116
SULFATE	mg/L	232	229	227	82	73	54	68	191	245	248	96	224	59
CHLORIDE	mg/L	87	88	88	89	86	95	76	86	94	94	87	97	102
NITRATE	mg/L	1.0	1.0	0.9	2.8	1.7	0.1	<0.1	0.7	0.9	1.0	2.9	0.9	1.1
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.9	1.0	0.8	0.8	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	607	604	602	374	342	333	309	548	636	638	385	608	353
TOTAL HARDNESS AS CaCO ₃	mg/L	294	293	294	140	114	130	129	268	296	298	138	286	133
TOTAL ALKALINITY AS CaCO ₃	mg/L	132	132	134	93	87	96	82	126	129	128	91	127	95
FREE CARBON DIOXIDE	mg/L	1.5	1.3	1.5	4.3	0.9	1.2	0.3	1.9	2.2	2.1	1.6	2.0	1.5
pH	pH	8.24	8.32	8.27	7.64	8.30	8.20	8.71	8.14	8.08	8.09	8.07	8.10	8.12
SPECIFIC CONDUCTANCE	µS/cm	976	978	978	652	602	607	552	916	1010	1020	660	978	641
COLOR	CU	--	--	--	--	--	--	--	--	--	--	--	--	--
TURBIDITY	NTU	2.6	0.45	3.0	1.4	0.67	1.4	0.42	0.36	0.04	0.04	0.04	0.05	0.06
TEMPERATURE	°C	21	21	21	18	18	22	19	22	20	23	20	22	20
BROMIDE	mg/L	0.09	0.07	0.08	0.30	0.31	0.33	0.23	0.11	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.23	3.18	2.90	1.98	2.78	3.68	2.88	2.97	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.56	0.61	0.15	0.56	0.12
STATE PROJECT WATER	%	0	0	0	100	100	100	100	17	0	0	100	5	100