

The Metropolitan Water District of Southern California

GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES

TABLE D

October 2021

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	8.0	8.1	7.9	11.4	14.9	0.2	6.3	8.1	8.3	7.4	11.3	8.2	6.7
CALCIUM	mg/L	68	68	68	32	25	26	27	69	64	65	32	64	26
MAGNESIUM	mg/L	25	25	26	12	6	14	12	25	25	26	13	25	12
SODIUM	mg/L	92	91	91	64	66	65	53	91	95	95	68	95	60
POTASSIUM	mg/L	4.3	4.2	4.3	2.8	2.0	3.4	3.3	4.2	4.4	4.6	2.7	4.7	3.4
CARBONATE	mg/L	0	2	0	0	0	1	0	0	0	0	0	0	0
BICARBONATE	mg/L	159	154	157	112	96	118	107	160	150	151	118	148	111
SULFATE	mg/L	199	205	205	67	58	44	47	203	221	214	72	221	52
CHLORIDE	mg/L	89	92	92	76	64	86	70	92	97	97	80	97	75
NITRATE	mg/L	0.9	0.7	0.4	1.3	1.4	<0.1	<0.1	0.5	0.5	0.6	1.3	0.7	0.5
FLUORIDE	mg/L	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.3	0.7	0.7	0.7	0.7	0.8
TOTAL DISSOLVED SOLIDS (TDS)	mg/L	566	573	573	323	286	299	272	573	591	586	340	590	292
TOTAL HARDNESS AS CaCO ₃	mg/L	274	273	270	132	86	127	118	273	270	271	133	273	119
TOTAL ALKALINITY AS CaCO ₃	mg/L	130	130	129	92	79	99	88	131	123	124	97	121	91
FREE CARBON DIOXIDE	mg/L	1.4	1.1	1.3	1.8	1.3	0.6	4.8	1.5	1.8	2.0	1.1	1.9	1.0
pH	pH	8.28	8.39	8.32	8.02	8.08	8.50	7.57	8.26	8.14	8.11	8.27	8.11	8.25
SPECIFIC CONDUCTANCE	µS/cm	926	922	924	579	489	560	497	927	962	950	598	956	535
COLOR	CU	3	2	3	3	5	3	5	3	1	1	1	1	1
TURBIDITY	NTU	1.5	0.66	3.0	3.2	0.83	0.69	0.84	0.96	0.04	0.04	0.04	0.06	0.05
TEMPERATURE	°C	24	25	26	20	21	24	15	26	22	24	22	25	20
BROMIDE	mg/L	0.08	0.06	0.08	0.26	0.22	0.26	0.22	0.08	--	--	--	--	--
TOTAL ORGANIC CARBON	mg/L	3.36	3.30	3.00	2.26	3.04	4.61	2.62	3.19	--	--	--	--	--
SATURATION INDEX	--	--	--	--	--	--	--	--	--	0.61	0.61	0.40	0.62	0.25
STATE PROJECT WATER	%	0	0	0	100	100	100	100	0	0	0	100	0	100