

*The Metropolitan Water District of Southern California*

**GENERAL MINERAL AND PHYSICAL ANALYSIS OF METROPOLITAN'S WATER SUPPLIES**

**TABLE D**

**June 2026**

| CONSTITUENTS                             | UNITS | SOURCE WATERS  |                          |                 |                 |                         |                |                           |                 | TREATMENT PLANT EFFLUENTS |        |        |         |       |
|------------------------------------------|-------|----------------|--------------------------|-----------------|-----------------|-------------------------|----------------|---------------------------|-----------------|---------------------------|--------|--------|---------|-------|
|                                          |       | LAKE<br>HAVASU | SAN<br>JACINTO<br>TUNNEL | LAKE<br>MATHEWS | CASTAIC<br>LAKE | SILVER-<br>WOOD<br>LAKE | LAKE<br>PERRIS | DIAMOND<br>VALLEY<br>LAKE | LAKE<br>SKINNER | WEY-<br>MOUTH             | DIEMER | JENSEN | SKINNER | MILLS |
| SILICA                                   | mg/L  | 7.9            | 7.9                      | 8.7             | 13.1            | 5.1                     | 6.9            | 7.5                       | 7.8             | 8.4                       | 8.3    | 13.2   | 8.2     | 7.5   |
| CALCIUM                                  | mg/L  | 75             | 74                       | 67              | 33              | 20                      | 25             | 23                        | 63              | 52                        | 53     | 34     | 62      | 21    |
| MAGNESIUM                                | mg/L  | 26             | 26                       | 26              | 14              | 11                      | 13             | 12                        | 23              | 21                        | 22     | 15     | 23      | 11    |
| SODIUM                                   | mg/L  | 93             | 95                       | 97              | 43              | 39                      | 52             | 47                        | 87              | 87                        | 87     | 50     | 94      | 50    |
| POTASSIUM                                | mg/L  | 4.9            | 4.9                      | 5.1             | 3.0             | 2.6                     | 3.4            | 3.5                       | 4.6             | 4.3                       | 4.4    | 3.1    | 4.7     | 2.6   |
| ALKALINITY, CARBONATE AS CO <sub>3</sub> | mg/L  | 0              | 0                        | 0               | 0               | 0                       | 1              | 6                         | 0               | 0                         | 0      | 0      | 0       | 2     |
| ALKALINITY, BICARBONATE AS HC            | mg/L  | 172            | 168                      | 152             | 117             | 98                      | 116            | 93                        | 154             | 131                       | 129    | 122    | 142     | 88    |
| SULFATE                                  | mg/L  | 221            | 216                      | 214             | 65              | 34                      | 38             | 42                        | 183             | 166                       | 170    | 71     | 187     | 44    |
| CHLORIDE                                 | mg/L  | 101            | 101                      | 103             | 50              | 48                      | 68             | 62                        | 94              | 90                        | 90     | 54     | 98      | 56    |
| NITRATE                                  | mg/L  | 1.7            | 1.6                      | 0.6             | 1.7             | 0.7                     | 0.2            | <0.1                      | 0.8             | 0.7                       | 0.6    | 1.8    | 0.7     | 1.2   |
| FLUORIDE                                 | mg/L  | 0.3            | 0.3                      | 0.3             | 0.2             | <0.1                    | 0.1            | 0.1                       | 0.3             | 0.7                       | 0.7    | 0.6    | 0.7     | 0.7   |
| TOTAL DISSOLVED SOLIDS (TDS)             | mg/L  | 617            | 611                      | 598             | 282             | 209                     | 266            | 250                       | 540             | 496                       | 501    | 304    | 549     | 240   |
| TOTAL HARDNESS AS CaCO <sub>3</sub>      | mg/L  | 296            | 292                      | 274             | 144             | 92                      | 116            | 108                       | 253             | 218                       | 222    | 144    | 254     | 96    |
| TOTAL ALKALINITY AS CaCO <sub>3</sub>    | mg/L  | 141            | 138                      | 125             | 96              | 80                      | 97             | 86                        | 126             | 107                       | 106    | 100    | 116     | 76    |
| FREE CARBON DIOXIDE                      | mg/L  | 1.3            | 1.4                      | 2.0             | 4.7             | 0.9                     | 0.9            | 0.3                       | 1.3             | 1.2                       | 1.4    | 1.3    | 1.7     | 0.4   |
| pH                                       | pH    | 8.34           | 8.30                     | 8.11            | 7.62            | 8.26                    | 8.34           | 8.84                      | 8.30            | 8.24                      | 8.20   | 8.21   | 8.13    | 8.63  |
| SPECIFIC CONDUCTANCE                     | µS/cm | 1010           | 1010                     | 987             | 496             | 384                     | 486            | 458                       | 905             | 846                       | 855    | 529    | 921     | 442   |
| COLOR                                    | CU    | --             | --                       | --              | --              | --                      | --             | --                        | --              | --                        | --     | --     | --      | --    |
| TURBIDITY                                | NTU   | 0.54           | 0.59                     | 2.0             | 0.70            | 1.7                     | 0.85           | 0.72                      | 0.82            | 0.04                      | 0.04   | 0.03   | 0.04    | 0.04  |
| TEMPERATURE                              | °C    | 22             | 24                       | 22              | 15              | 19                      | 22             | 18                        | 22              | 22                        | 23     | 20     | 27      | 25    |
| BROMIDE                                  | mg/L  | 0.08           | 0.06                     | 0.08            | 0.15            | 0.14                    | 0.21           | 0.19                      | 0.08            | --                        | --     | --     | --      | --    |
| TOTAL ORGANIC CARBON                     | mg/L  | 2.99           | 3.04                     | 3.79            | 3.28            | 4.47                    | 4.20           | 3.42                      | 3.36            | --                        | --     | --     | --      | --    |
| SATURATION INDEX                         | --    | --             | --                       | --              | --              | --                      | --             | --                        | --              | 0.55                      | 0.53   | 0.33   | 0.61    | 0.50  |
| STATE PROJECT WATER                      | %     | 0              | 0                        | 0               | 100             | 100                     | 100            | 100                       | 17              | 37                        | 34     | 100    | 21      | 100   |