



CHEMICAL ANALYSES OF DAVIS WATER  
AUGUST 2018

General Mineral, General Physical, and Inorganic Chemical Analyses

| Common Name            | Units             | MCL or SMCL | PHG or Notification Level | GW 30  | GW 31  | GW 27  | GW 23  | GW 33  | GW 24  | GW 34  | GW 26  | GW 32  | SW POE |
|------------------------|-------------------|-------------|---------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Alkalinity as CaCO3    | CaCO <sub>3</sub> | mg/L        |                           | 230    | 220    | 540    | 580    | 220    | 500    | 220    | 420    | 200    | 87     |
| Aluminum               | Al                | µg/L        | 1000                      | <50    | <50    | <50    | <50    | <50    | <50    | <50    | <50    | <50    | <50    |
| Antimony               | Sb                | µg/L        | 6                         | <2.0   | <2.0   | <2.0   | <2.0   | <2.0   | <2.0   | <2.0   | <2.0   | <2.0   | <2.0   |
| Arsenic                | As                | µg/L        | 10                        | 4.0    | 3.7    | 4.2    | 3.1    | 7.1    | 2.5    | 5.4    | 3.1    | 8.4    | <2.0   |
| Barium                 | Ba                | µg/L        | 1000                      | <50    | <50    | 97     | 140    | <50    | 170    | 51     | 160    | <50    | <50    |
| Beryllium              | Be                | µg/L        | 4                         | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   |
| Bicarbonate as CaCO3   | CaCO <sub>3</sub> | mg/L        |                           | 230    | 220    | 540    | 580    | 210    | 500    | 220    | 420    | 190    | 87     |
| Boron                  | B                 | µg/L        |                           | 880    | 730    | 1000   | 830    | 940    | 780    | 800    | 640    | 880    | <100   |
| Cadmium                | Cd                | µg/L        | 5                         | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   |
| Calcium                | Ca                | mg/L        |                           | 17     | 18     | 35     | 51     | 16     | 50     | 18     | 45     | 12     | 14     |
| Carbonate as CO3       | CO <sub>3</sub>   | mg/L        |                           | <3.0   | <3.0   | <3.0   | <3.0   | 3.8    | <3.0   | <3.0   | <3.0   | 7.7    | <3.0   |
| Chloride               | Cl                | mg/L        | 500                       | 30     | 29     | 50     | 81     | 22     | 57     | 24     | 65     | 28     | 20     |
| Total Chromium         | Cr                | µg/L        | 50                        | <10    | <10    | 49     | 24     | <10    | <10    | <10    | 21     | <10    | <10    |
| Color                  |                   | units       | 15                        | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     | ND     |
| Conductivity @ 25 oC   | E.C.              | µmhos/cm    | 1600                      | 630    | 590    | 1300   | 1400   | 540    | 1200   | 550    | 1100   | 550    | 240    |
| Copper                 | Cu                | µg/L        | 1300                      | <5.0   | 21     | 6.2    | 10     | <5.0   | 7.2    | 35     | 5      | 10     | <5.0   |
| Cyanide                | Cn                | µg/L        | 150                       | <100   | <100   | <100   | <100   | <100   | <100   | <100   | <100   | <100   | <100   |
| Fluoride               | F                 | mg/L        | 2                         | 0.15   | 0.14   | 0.4    | 0.26   | <0.1   | 0.25   | 0.12   | 0.25   | 0.12   | <0.1   |
| Hardness as CaCO3      | CaCO <sub>3</sub> | mg/L        |                           | 95     | 130    | 450    | 580    | 72     | 500    | 100    | 450    | 51     | 66     |
| Hexavalent Chromium    | Cr VI             | µg/L        |                           | 0.33   | 6.8    | 51     | 22     | <0.05  | 7.2    | 0.086  | 20     | <0.05  | 0.17   |
| Hydroxide as CaCO3     | CaCO <sub>3</sub> | mg/L        |                           | <3.0   | <3.0   | <3.0   | <3.0   | <3.0   | <3.0   | <3.0   | <3.0   | <3.0   | <3.0   |
| Iron                   | Fe                | µg/L        | 300                       | 150    | <30    | <30    | 56     | <30    | <30    | <30    | <30    | <30    | <30    |
| Lead                   | Pb                | µg/L        | 15                        | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | 1.1    | <1.0   | <1.0   | <1.0   | <1.0   |
| Magnesium              | Mg                | mg/L        |                           | 13     | 20     | 88     | 110    | 7.9    | 92     | 14     | 81     | 4.9    | 7.5    |
| Manganese              | Mn                | µg/L        | 50                        | 29     | <10    | <10    | <10    | 31     | <10    | 11     | <10    | <10    | <10    |
| MBAS                   |                   | mg/L        | 0.05                      | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  |
| Mercury                | Hg                | µg/L        | 2                         | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   | <0.2   |
| Nickel                 | Ni                | µg/L        | 100                       | <10    | <10    | <10    | <10    | <10    | <10    | <10    | <10    | <10    | <10    |
| Nitrate as N           | N                 | mg/L        | 45                        | <0.23  | <0.23  | 5.4    | 5.0    | <0.23  | 5.1    | <0.23  | 5.9    | <0.23  | <0.23  |
| Nitrate as NO3         |                   | mg/L        |                           | <1.0   | <1.0   | 24     | 22     | <1.0   | 22     | <1.0   | 26     | <1.0   | <1.0   |
| Nitrate + Nitrate as N |                   | mg/L        |                           | <0.23  | <0.23  | 5.4    | 5.0    | <0.23  | 5.1    | <0.23  | 5.9    | <0.23  | <0.23  |
| Nitrite as N           | N                 | mg/L        | 1 (as N)                  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  | <0.05  |
| Odor                   |                   | TON         | 3                         | 1.5    | <1     | 1.0    | <1     | 1.3    | 1.0    | 1.3    | 1.3    | <1     | 1.3    |
| pH                     |                   |             | 6.5-8.5                   | 8.3    | 8.2    | 8.1    | 8.0    | 8.3    | 8.0    | 8.3    | 8.1    | 8.3    | 8.0    |
| Potassium              | K                 | mg/L        |                           | 2.3    | 2.30   | <2.0   | <2.0   | <2.0   | <2.0   | 2.40   | <2.0   | <2.0   | <2.0   |
| Selenium               | Se                | µg/L        | 50                        | <2.0   | <2.0   | 11     | 22     | <2.0   | 15     | <2.0   | 12     | <2.0   | <2.0   |
| Silver                 | Ag                | µg/L        | 100                       | <10    | <10    | <10    | <10    | <10    | <10    | <10    | <10    | <10    | <10    |
| Sodium                 | Na                | mg/L        |                           | 100    | 84     | 120    | 99     | 95     | 82     | 82     | 70     | 110    | 23     |
| Sulfate as SO4         | SO <sub>4</sub>   | mg/L        | 500                       | 58     | 44     | 110    | 130    | 37     | 92     | 38     | 74     | 44     | 6      |
| Thallium               | Tl                | µg/L        | 2                         | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   | <1.0   |
| Total Dissolved Solids | TDS               | mg/L        | 1000                      | 380    | 350    | 750    | 420    | 350    | 710    | 330    | 640    | 340    | 140    |
| Turbidity              |                   | NTU         | 5                         | 0.62   | 0.15   | 0.11   | 0.27   | 0.09   | 0.12   | 0.14   | 0.12   | 0.12   | 0.13   |
| Uranium                | U                 | pCi/L       | 20                        | <1.0   | <1.0   | 4.2    | 6.90   | <1.0   | 4.60   | <1.0   | 3.50   | <1.0   | <1.0   |
| Zinc                   | Zn                | µg/L        | 5000                      | <50    | <50    | <50    | <50    | <50    | <50    | <50    | <50    | <50    | <50    |
| Radioactivity          |                   |             |                           |        |        |        |        |        |        |        |        |        |        |
| Gross Alpha            |                   | pCi/L       | 15                        | 5      | 4.32   | 12.06  | 10.08  | 1.49   | 2.49   | 2.08   | 3.74   | 2.26   | 1.77   |
| Gross Beta             |                   | pCi/L       |                           | 5      | 5.19   | 4.60   | 3.78   | 4.31   | 10.45  | 3.19   | 9.03   | 4.82   | 2.48   |
| Radium-226             |                   | pCi/L       | 0.05                      | 0.04   | 0.04   | 0.13   | 0.19   | 0.02   | 0.22   | 0.06   | 0.22   | 0.09   | 0.28   |
| Radium-228             |                   | pCi/L       | 0.019                     | 0.18   | 0.49   | 1.37   | 2.96   | 1.23   | 0.05   | 1.25   | 3.73   | 1.11   | 1.66   |
| Combined Radium        |                   | pCi/L       | 5                         | 0.22   | 0.53   | 1.50   | 3.15   | 1.25   | 0.27   | 1.31   | 3.95   | 1.20   | 1.94   |
| Strontium              |                   | pCi/L       | 8                         | 1.36   | 1.20   | 1.23   | ND     | 1.49   | 0.59   | 1.45   | 1.00   | 1.07   | 1.32   |
| Tritium                |                   | pCi/L       | 2000                      | 62     | 0      | 260    | 136    | 0      | 334    | 83     | 49     | 136    | 297    |
| Uranium (Radiological) |                   | pCi/L       | 20                        | <0.67  | <0.67  | 2.8    | 4.6    | <0.67  | 3.1    | <0.67  | 2.4    | <0.67  | <0.67  |
| Sample Dates:          |                   | Routine:    | Title 22                  | Aug-18 | Aug-18 | Aug-18 | Aug-18 | Aug-18 | Aug-18 | Aug-18 | Aug-18 | Aug-18 | Aug-18 |

Note: GW = Groundwater Well

SW POE = Surface Water Point of Entry

NOTES:

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

µmhos/cm = micromhos/centimeter

MCL = maximum contaminant level = maximum quantity allowable or desirable under Federal and State Drinking Water Regulations

SMCL=Secondary Maximum Contaminant Level - set for aesthetic reasons

PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

(Primary, or health related limits are bold face; Secondary, or aesthetic limits are in italics; California Notification Levels are in bold italics; Blank indicates no established standard)

Action Level =the level of a chemical in drinking water that is considered not to pose a significant health risk to people ingesting it daily.

pCi/L = Picocuries/Liter, a measure of radioactivity



Volatile Organic Chemicals

CHEMICAL ANALYSES OF DAVIS WATER  
AUGUST 2018

| Constituent                                       | EPA Method | Units | MCL    | PHG or (MCLG) | West Area |         | North Area | Central Area |         |         | South Area |         | SW POE  |
|---|------------|-------|--------|---------------|-----------|---------|------------|--------------|---------|---------|------------|---------|---------|
|   |            |       |        |               | GW 30     | GW 31   | GW 27      | GW 23        | GW 34   | GW 24   | GW 26      | GW 32   |         |
| 1,1,1,2-Tetrachloroethane                         | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,1,1-Trichloroethane (1,1,1-TCA)                 | 524.2      | µg/L  | 200    | 1000          | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,1,2,2-Tetrachloroethane                         | 524.2      | µg/L  | 1      | 0.1           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) | 524.2      | µg/L  | 1200   | 4000          | <10.0     | <10.0   | <10.0      | <10.0        | <10.0   | <10.0   | <10.0      | <10.0   | <10.0   |
| 1,1,2-Trichloroethane (1,1,2-TCA)                 | 524.2      | µg/L  | 5      | 0.3           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,1-Dichloroethane (1,1-DCA)                      | 524.2      | µg/L  | 5      | 3             | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,1-Dichloroethene (1,1-DCE)                      | 524.2      | µg/L  | 6      | 10            | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,1-Dichloropropene                               | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,2,3-Trichlorobenzene                            | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,2,3-Trichloropropene                            | 524.2      | µg/L  | 0.0050 | 0.0007        | <0.0050   | <0.0050 | <0.0050    | <0.0050      | <0.0050 | <0.0050 | <0.0050    | <0.0050 | <0.0050 |
| 1,2,4-Trichlorobenzene                            | 524.2      | µg/L  | 5      | 5             | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,2,4-Trimethylbenzene                            | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,2-Dichlorobenzene (o-DCB)                       | 524.2      | µg/L  | 600    | 600           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,2-Dichloroethane (1,2-DCA)                      | 524.2      | µg/L  | 0.5    | 0.4           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,2-Dichloropropane                               | 524.2      | µg/L  | 5      | 0.5           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,3,5-Trimethylbenzene                            | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,3-Dichlorobenzene (m-DCB)                       | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,3-Dichloropropane                               | 524.2      | µg/L  | 0.5    | 0.2           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 1,4-Dichlorobenzene (p-DCB)                       | 524.2      | µg/L  | 5      | 6             | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 2,2-Dichloropropane                               | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 2-Butanone  |            |       |        |               | <10       | <10     | <10        | <10          | <10     | <10     | <10        | <10     | <10     |
| 2-Chlorotoluene                                   | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 4-Chlorotoluene                                   | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| 2-Hexanone  | 524.2      | µg/L  |        |               | <10       | <10     | <10        | <10          | <10     | <10     | <10        | <10     | <10     |
| 4-Methyl-2-pentanone                              | 524.2      | µg/L  |        |               | <10       | <10     | <10        | <10          | <10     | <10     | <10        | <10     | <10     |
| Acetone   | 524.2      | µg/L  |        |               | <10       | <10     | <10        | <10          | <10     | <10     | <10        | <10     | <10     |
| Benzene   | 524.2      | µg/L  | 1      | 0.15          | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Bromobenzene                                      | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Bromochloromethane                                | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Bromodichloromethane                              | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | 3.2     |
| Bromoform   | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Bromomethane (Methyl Bromide)                     | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Carbon tetrachloride                              | 524.2      | µg/L  | 0.5    | 0.1           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Chlorobenzene (Monochlorobenzene)                 | 524.2      | µg/L  | 70     | 70            | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Chloroethane                                      | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Chloroform  | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | 2.4     |
| Chloromethane (Methyl Chloride)                   | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| cis-1,2-Dichloroethene                            | 524.2      | µg/L  | 6      | 100           | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| cis-1,3-Dichloropropene                           | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Dibromochloromethane                              | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | 1.9     |
| Dibromomethane                                    | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |
| Dichlorodifluoromethane                           | 524.2      | µg/L  |        |               | <0.50     | <0.50   | <0.50      | <0.50        | <0.50   | <0.50   | <0.50      | <0.50   | <0.50   |

Routine Sample Dates:

Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18

NOTES:

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

ppt = parts per trillion

MCL = maximum contaminant level = maximum quantity allowable or desirable under Federal and State Drinking Water Regulations

PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

(Primary, or health related limits are bold face; Secondary, or aesthetic limits are in italics; California Notification Levels are in bold italics; Blank indicates no established standard)

City of Davis, Public Works  
(530) 757-5686



**CHEMICAL ANALYSES OF DAVIS WATER  
AUGUST 2018**

**Volatile Organic Chemicals (continued)**

| Constituent                           | EPA Method | Units | MCL  | PHG or (MCLG) | West Area |       | North Area | Central Area |       |       |       | South Area |       | SW POE |
|---------------------------------------|------------|-------|------|---------------|-----------|-------|------------|--------------|-------|-------|-------|------------|-------|--------|
|                                       |            |       |      |               | GW 30     | GW 31 | GW 27      | GW 23        | GW 33 | GW 34 | GW 24 | GW 26      | GW 32 |        |
| Dichloromethane                       | 524.2      | µg/L  | 5    | 4             | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Di-isopropyl ether (DIPE)             | 524.2      | µg/L  |      |               | <5.0      | <5.0  | <5.0       | <5.0         | <5.0  | <5.0  | <5.0  | <5.0       | <5.0  | <5.0   |
| Ethyl t-Butyl Ether (ETBE)            | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Ethylbenzene (Phenylethane)           | 524.2      | µg/L  | 300  | 300           | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Hexachlorobutadiene                   | 524.2      | µg/L  |      | 50            | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Isopropylbenzene (Cumene)             | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| m,p-Xylenes                           | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Methyl t-butyl ether (MTBE)           | 524.2      | µg/L  | 13   | 13            | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Naphthalene                           | 524.2      | µg/L  |      |               | <1.0      | <1.0  | <1.0       | <1.0         | <1.0  | <1.0  | <1.0  | <1.0       | <1.0  | <1.0   |
| n-Butylbenzene                        | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| n-Propylbenzene                       | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| o-Xylene                              | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| p-Isopropyltoluene                    | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| sec-Butylbenzene                      | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Styrene (Vinylbenzene)                | 524.2      | µg/L  | 100  | 0.5           | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| t-Amyl Methyl Ether                   | 524.2      | µg/L  |      |               | <3.0      | <3.0  | <3.0       | <3.0         | <3.0  | <3.0  | <3.0  | <3.0       | <3.0  | <3.0   |
| tert-Butyl Alcohol (TBA)              | 524.2      | µg/L  |      |               | <2.0      | <2.0  | <2.0       | <2.0         | <2.0  | <2.0  | <2.0  | <2.0       | <2.0  | <2.0   |
| tert-Butylbenzene                     | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Tetrachloroethylene (PCE)             | 524.2      | µg/L  | 5    | 0.06          | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Toluene                               | 524.2      | µg/L  | 150  | 150           | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Total 1,3-Dichloropropene (Telone 11) | 524.2      | µg/L  |      | 0.20          | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Total Trihalomethanes (TTHM)          | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | 0.63  | 7.5    |
| Total Xylenes Isomers                 | 524.2      | µg/L  | 1750 | 1800          | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| trans-1,2-Dichloroethene (t-1,2-DCE)  | 524.2      | µg/L  | 10   | 60            | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| trans-1,3-Dichloropropene             | 524.2      | µg/L  |      |               | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Trichloroethylene (TCE)               | 524.2      | µg/L  | 5    | 1.7           | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |
| Trichlorofluoromethane (FREON 11)     | 524.2      | µg/L  | 150  | 1300          | <5.0      | <5.0  | <5.0       | <5.0         | <5.0  | <5.0  | <5.0  | <5.0       | <5.0  | <5.0   |
| Vinyl Chloride                        | 524.2      | µg/L  | 0.5  | 0.05          | <0.50     | <0.50 | <0.50      | <0.50        | <0.50 | <0.50 | <0.50 | <0.50      | <0.50 | <0.50  |

Routine Sample Dates:

Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18

**NOTES:**

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

ppt = parts per trillion

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PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

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City of Davis, Public Works

(530) 757-5686



**CHEMICAL ANALYSES OF DAVIS WATER**  
AUGUST 2018

*Synthetic Organic Chemicals*

| Constituent                        | EPA Method | Units | MCL  | PHG or (MCLG) | West Area |        | North Area | Central Area |        |        |        | South Area |        | SW POE |
|------------------------------------|------------|-------|------|---------------|-----------|--------|------------|--------------|--------|--------|--------|------------|--------|--------|
|                                    |            |       |      |               | GW 30     | GW 31  | GW 27      | GW 23        | GW 33  | GW 34  | GW 24  | GW 26      | GW 32  |        |
| 1,2-Dibromo-3-chloropropane (DBCP) | 504        | µg/L  | 0.2  | 0.0017        | <0.01     | <0.01  | <0.01      | <0.01        | <0.01  | <0.01  | <0.01  | <0.01      | <0.01  | <0.01  |
| Ethylene Dibromide (EDB)           | 504        | µg/L  | 0.05 | 0.01          | <0.02     | <0.02  | <0.02      | <0.02        | <0.02  | <0.02  | <0.02  | <0.02      | <0.02  | <0.02  |
| Aldrin                             | 505        | µg/L  |      |               | <.075     | <.075  | <.075      | <.075        | <.075  | <.075  | <.075  | <.075      | <.075  | <.075  |
| Chlordane                          | 505        | µg/L  | 0.1  | 0.03          | <0.10     | <0.10  | <0.10      | <0.10        | <0.10  | <0.10  | <0.10  | <0.10      | <0.10  | <0.10  |
| Dieldrin                           | 505        | µg/L  |      |               | <0.02     | <0.02  | <0.02      | <0.02        | <0.02  | <0.02  | <0.02  | <0.02      | <0.02  | <0.02  |
| Endrin                             | 505        | µg/L  | 2    | 0.3           | <0.1      | <0.1   | <0.1       | <0.1         | <0.1   | <0.1   | <0.1   | <0.1       | <0.1   | <0.1   |
| Heptachlor                         | 505        | µg/L  | 0.01 | 0.008         | <0.01     | <0.01  | <0.01      | <0.01        | <0.01  | <0.01  | <0.01  | <0.01      | <0.01  | <0.01  |
| Heptachlor Epoxide                 | 505        | µg/L  | 0.01 | 0.006         | <0.01     | <0.01  | <0.01      | <0.01        | <0.01  | <0.01  | <0.01  | <0.01      | <0.01  | <0.01  |
| Hexachlorobenzene                  | 505        | µg/L  | 1    | 0.03          | <0.5      | <0.5   | <0.5       | <0.5         | <0.5   | <0.5   | <0.5   | <0.5       | <0.5   | <0.5   |
| Hexachlorocyclopentadiene          | 505        | µg/L  | 50   | 2             | <1.0      | <1.0   | <1.0       | <1.0         | <1.0   | <1.0   | <1.0   | <1.0       | <1.0   | <1.0   |
| Lindane                            | 505        | µg/L  | 0.2  | 0.032         | <0.2      | <0.2   | <0.2       | <0.2         | <0.2   | <0.2   | <0.2   | <0.2       | <0.2   | <0.2   |
| Methoxychlor                       | 505        | µg/L  | 30   | 0.09          | <10       | <10    | <10        | <10          | <10    | <10    | <10    | <10        | <10    | <10    |
| Perchlorate                        | 314.0      | µg/L  | 6    | 1             | <0.8      | <0.8   | <0.8       | <0.8         | <0.8   | <0.8   | <0.8   | <0.8       | <0.8   | <0.8   |
| Polychlorinated Biphenyls          | 505        | ppt   | 0.5  | 0.09          | <0.078    | <0.078 | <0.078     | <0.078       | <0.078 | <0.078 | <0.078 | <0.078     | <0.078 | <0.078 |
| Toxaphene                          | 505        | µg/L  | 3    | 0.03          | <1.0      | <1.0   | <1.0       | <1.0         | <1.0   | <1.0   | <1.0   | <1.0       | <1.0   | <1.0   |
| 2,4,5-TP (SILVEX)                  | 515.3      | µg/L  | 50   | 3             | <1.0      | <1.0   | <1.0       | <1.0         | <1.0   | <1.0   | <1.0   | <1.0       | <1.0   | <1.0   |
| 2,4-D                              | 515.3      | µg/L  | 70   | 20            | <10       | <10    | <10        | <10          | <10    | <10    | <10    | <10        | <10    | <10    |
| Bentazon (BASAGRAN)                | 515.3      | µg/L  | 18   | 200           | <2.0      | <2.0   | <2.0       | <2.0         | <2.0   | <2.0   | <2.0   | <2.0       | <2.0   | <2.0   |
| Dalapon                            | 515.3      | µg/L  | 200  | 790           | <10       | <10    | <10        | <10          | <10    | <10    | <10    | <10        | <10    | <10    |
| Dicamba (BANVEL)                   | 515.3      | µg/L  |      |               | <1.5      | <1.5   | <1.5       | <1.5         | <1.5   | <1.5   | <1.5   | <1.5       | <1.5   | <1.5   |
| Dinoseb (DNBP)                     | 515.3      | µg/L  | 7    | 14            | <2.0      | <2.0   | <2.0       | <2.0         | <2.0   | <2.0   | <2.0   | <2.0       | <2.0   | <2.0   |
| Pentachlorophenol (PCP)            | 515.3      | µg/L  | 1    | 0.3           | <0.2      | <0.2   | <0.2       | <0.2         | <0.2   | <0.2   | <0.2   | <0.2       | <0.2   | <0.2   |
| Picloram                           | 515.3      | µg/L  | 500  | 166           | <1.0      | <1.0   | <1.0       | <1.0         | <1.0   | <1.0   | <1.0   | <1.0       | <1.0   | <1.0   |
| Alachlor (ALANEX)                  | 525.2      | µg/L  | 2    | 4             | <1.0      | <1.0   | <1.0       | <1.0         | <1.0   | <1.0   | <1.0   | <1.0       | <1.0   | <1.0   |

Routine Sample Dates: Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18  
 Perchlorate Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18 Aug-18

mg/L = milligrams per liter = parts per million (ppm)

µg/L = micrograms per liter = parts per billion (ppb)

ppt = parts per trillion

MCL = maximum contaminant level = maximum quantity allowable or desirable under Federal and State Drinking Water Regulations

PHG = Public Health Goals (Maximum Contaminant Level Goals) : Levels of contaminants in drinking water that are considered to pose an insignificant risk to public health.

(Primary, or health related limits are bold face; Secondary, or aesthetic limits are in italics; California Notification Levels are in bold italics; Blank indicates no established standard)



**CHEMICAL ANALYSES OF DAVIS WATER  
AUGUST 2018**

*Synthetic Organic Chemicals (continued)*

| Constituent                | EPA Method | Units | MCL | PHG or (MCLG) | West Area |          | North Area | Central Area |          |          |          | South Area |          | SW POE   |
|----------------------------|------------|-------|-----|---------------|-----------|----------|------------|--------------|----------|----------|----------|------------|----------|----------|
|                            |            |       |     |               | GW 30     | GW 31    | GW 27      | GW 23        | GW 33    | GW 34    | GW 24    | GW 26      | GW 32    |          |
| Atrazine (AATREX)          | 525.2      | µg/L  | 1   | 0.15          | <0.5      | <0.5     | <0.5       | <0.5         | <0.5     | <0.5     | <0.5     | <0.5       | <0.5     | <0.5     |
| Benzo(a)pyrene (PAH)       | 525.2      | µg/L  | 0.2 | 0.007         | <0.1      | <0.1     | <0.1       | <0.1         | <0.1     | <0.1     | <0.1     | <0.1       | <0.1     | <0.1     |
| bis(2-ethylhexyl) adipate  | 525.2      | µg/L  | 400 | 200           | <3.0      | <3.0     | <3.0       | <3.0         | <3.0     | <3.0     | <3.0     | <3.0       | <3.0     | <3.0     |
| di(2-ethylhexyl) phthalate | 525.2      | µg/L  | 4   | 12            | <3.0      | <3.0     | <3.0       | <3.0         | <3.0     | <3.0     | <3.0     | <3.0       | <3.0     | <3.0     |
| Bromacil (HYVAR)           | 525.2      | µg/L  |     |               | <10       | <10      | <10        | <10          | <10      | <10      | <10      | <10        | <10      | <10      |
| Butachlor                  | 525.2      | µg/L  |     |               | <0.38     | <0.38    | <0.38      | <0.38        | <0.38    | <0.38    | <0.38    | <0.38      | <0.38    | <0.38    |
| Diazinon                   | 525.2      | µg/L  |     |               | <0.25     | <0.25    | <0.25      | <0.25        | <0.25    | <0.25    | <0.25    | <0.25      | <0.25    | <0.25    |
| Dimethoate (CYGON)         | 525.2      | µg/L  |     |               | <10       | <10      | <10        | <10          | <10      | <10      | <10      | <10        | <10      | <10      |
| Metolachlor                | 525.2      | µg/L  |     |               | <0.5      | <0.5     | <0.5       | <0.5         | <0.5     | <0.5     | <0.5     | <0.5       | <0.5     | <0.5     |
| Metribuzin                 | 525.2      | µg/L  |     |               | <0.5      | <0.5     | <0.5       | <0.5         | <0.5     | <0.5     | <0.5     | <0.5       | <0.5     | <0.5     |
| Molinate (ORDRAM)          | 525.2      | µg/L  | 20  | 1             | <2.0      | <2.0     | <2.0       | <2.0         | <2.0     | <2.0     | <2.0     | <2.0       | <2.0     | <2.0     |
| Propachlor                 | 525.2      | µg/L  |     |               | <0.5      | <0.5     | <0.5       | <0.5         | <0.5     | <0.5     | <0.5     | <0.5       | <0.5     | <0.5     |
| Simazine (PRINCEP)         | 525.2      | µg/L  | 4   | 4             | <1.0      | <1.0     | <1.0       | <1.0         | <1.0     | <1.0     | <1.0     | <1.0       | <1.0     | <1.0     |
| Thiobencarb (BOLERO)       | 525.2      | µg/L  | 70  | 42            | <1.0      | <1.0     | <1.0       | <1.0         | <1.0     | <1.0     | <1.0     | <1.0       | <1.0     | <1.0     |
| 3-Hydroxycarbofuran        | 531.1      | µg/L  |     |               | <3.0      | <3.0     | <3.0       | <3.0         | <3.0     | <3.0     | <3.0     | <3.0       | <3.0     | <3.0     |
| Aldicarb (TEMIK)           | 531.1      | µg/L  |     |               | <3.0      | <3.0     | <3.0       | <3.0         | <3.0     | <3.0     | <3.0     | <3.0       | <3.0     | <3.0     |
| Aldicarb Sulfone           | 531.1      | µg/L  |     |               | <2.0      | <2.0     | <2.0       | <2.0         | <2.0     | <2.0     | <2.0     | <2.0       | <2.0     | <2.0     |
| Aldicarb Sulfoxide         | 531.1      | µg/L  |     |               | <3.0      | <3.0     | <3.0       | <3.0         | <3.0     | <3.0     | <3.0     | <3.0       | <3.0     | <3.0     |
| Carbaryl (SEVIN)           | 531.1      | µg/L  |     |               | <5.0      | <5.0     | <5.0       | <5.0         | <5.0     | <5.0     | <5.0     | <5.0       | <5.0     | <5.0     |
| Carbofuran (FURADAN)       | 531.1      | µg/L  | 18  | 0.7           | <5.0      | <5.0     | <5.0       | <5.0         | <5.0     | <5.0     | <5.0     | <5.0       | <5.0     | <5.0     |
| Methomyl                   | 531.1      | µg/L  |     |               | <2.0      | <2.0     | <2.0       | <2.0         | <2.0     | <2.0     | <2.0     | <2.0       | <2.0     | <2.0     |
| Oxamyl (VYDATE)            | 531.1      | µg/L  | 50  | 26            | <20       | <20      | <20        | <20          | <20      | <20      | <20      | <20        | <20      | <20      |
| Glyphosate                 | 547        | µg/L  | 700 | 900           | <25       | <25      | <25        | <25          | <25      | <25      | <25      | <25        | <25      | <25      |
| Endothall                  | 548.1      | µg/L  | 100 | 94            | <45       | <45      | <45        | <45          | <45      | <45      | <45      | <45        | <45      | <45      |
| Diquat                     | 549.2      | µg/L  | 20  | 6             | <4.0      | <4.0     | <4.0       | <4.0         | <4.0     | <4.0     | <4.0     | <4.0       | <4.0     | <4.0     |
| 2,3,7,8-TCDD (DIOXIN)      | 1613B      | ppq   | 30  | 0             | <.000005  | <.000005 | <.000005   | <.000005     | <.000005 | <.000005 | <.000005 | <.000005   | <.000005 | <.000005 |
| Routine Sample Dates:      |            |       |     |               | Aug-18    | Aug-18   | Aug-18     | Aug-18       | Aug-18   | Aug-18   | Aug-18   | Aug-18     | Aug-18   | Aug-18   |

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