

# Flow Water Inc.

## 2018 Annual Water Quality Report

**At Flow Water Inc. the safety and quality of our products comes first.**

Flow Water Inc. (Flow) strives to provide its customers with consistently safe, great tasting, high-quality spring water beverages. To achieve this, Flow follows rigorous water quality assurance protocols.

The US Food and Drug Administration (FDA) has strict regulations for the bottling and sale of spring water. In order to comply with these requirements, our product's source and finished product water is monitored and analyzed by ALS Global (ALS) in Waterloo, Ontario, Canada, and by NSF International (NSF) in Ann Arbor, Michigan.

Flow's products are distributed nationally and meet or exceed bottled water standards for quality and safety in accordance with testing requirements under applicable federal and state law, including California. Tests are performed every production day, and verify the water is free of contaminants, and that the composition is consistent. For more information on these testing facilities please visit their websites at <http://www.alsglobal.com/> and <http://www.nsf.org>

For information regarding the FDA and their recall information please visit their website at <http://www.fda.gov/Safety/Recalls/default.htm>.

Flow's 2018 NSF water quality report, below, includes analytical results for nearly 200 parameters, 100 of which are regulated, such as physical quality, microbiological quality, inorganic and organic chemicals, and disinfection residuals.

The following statements are required under California law.

### Required Statements:

"Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the United States Food and Drug Administration, Food and Cosmetic Hotline 1-888-SAFEFOOD (1-888-723-3366)."

"Some persons may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, including, but not limited to, persons with cancer who are undergoing chemotherapy, persons who have undergone organ transplants, persons with HIV/AIDS or other immune system disorders, some elderly persons, and infants can be particularly at risk from infections. These persons should seek advice about drinking water from their health care providers. The United States Environmental Protection Agency and the Centers for Disease Control and Prevention guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791)."

"The sources of bottled water include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water naturally travels over the surface of the land or through the ground, it can pick up naturally occurring substances as well as substances that are present due to animal and human activity.

Substances that may be present in the source water include any of the following:

- 1) Inorganic substances, including, but not limited to, salts and metals, that can be naturally occurring or result from farming, urban storm water runoff, industrial or domestic wastewater discharges, or oil and gas production.

- 2) Pesticides and herbicides that may come from a variety of sources, including, but not limited to, agriculture, urban storm water runoff, and residential uses.
- 3) Organic substances that are by products of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
- 4) Microbial organisms that may come from wildlife, agricultural livestock operations, sewage treatment plants, and septic systems.
- 5) Substances with radioactive properties that can be naturally occurring or be the result of oil and gas production and mining activities.”

"In order to ensure that bottled water is safe to drink, the United States Food and Drug Administration and the State Department of Public Health prescribe regulations that limit the amount of certain contaminants in water provided by bottled water companies."

# 2018

## Water Quality Report

| TESTING PARAMETER                                      | REPORTING LIMIT | RESULT | FDA SOQ |
|--|-----------------|--------|---------|
| <b>Physical Quality</b>                                |                 |        |         |
| Alkalinity as CaCO <sub>3</sub>                        | 5               | 270    |         |
| Color  | 5               | ND     | 15      |
| Specific Conductance                                   | 10              | 590    |         |
| Corrosivity  | 0               | 0.72   |         |
| Hardness, Total  | 2               | 320    |         |
| Solids Total Dissolved                                 | 5               | 340    | 500     |
| Turbidity  | 0.1             | 0.2    | 5       |
| pH   | 0.01            | 7.78   |         |
| Temperature  | 0               | 21     |         |
| Bicarbonate  | 5               | 330    |         |
| Odor, Threshold  | 1               | ND     | 3       |
| <b>Disinfection Residuals/Disinfection By-Products</b> |                 |        |         |
| Chloramine, Total                                      | 0.05            | ND     | 4       |
| Dichloramine   | 0.05            | ND     |         |
| Monochloramine   | 0.05            | ND     |         |
| Nitrogen trichloride                                   | 0.05            | ND     |         |
| Chlorine Dioxide                                       | 0.1             | ND     | 0.8     |
| Bromate  | 5               | ND     | 10      |
| Bromochloroacetic Acid                                 | 1               | ND     |         |
| Dibromoacetic Acid                                     | 1               | ND     |         |
| Dichloroacetic Acid                                    | 1               | ND     |         |
| Monobromoacetic Acid                                   | 1               | ND     |         |
| Monochloroacetic Acid                                  | 2               | ND     |         |
| Total Haloacetic Acid                                  | 1               | ND     | 60      |
| Trichloroacetic Acid                                   | 1               | ND     |         |
| Chlorine, Total Residual                               | 0.05            | ND     | 4       |
| <b>Radiologicals</b>                                   |                 |        |         |
| Radium-226   | 1               | ND     |         |
| Radium-226, Radium-228 Combined                        | 1               | ND     | 5       |
| Radium-228   | 1               | ND     |         |
| Uranium  | 0.001           | ND     | 0.03    |
| P1 Gross Alpha   | 3               | ND     | 15      |
| P1 Gross Beta  | 4               | ND     | 50      |
| <b>Inorganic Chemicals</b>                             |                 |        |         |
| Aluminum   | 0.01            | ND     | 0.2     |
| Antimony   | 0.0002          | ND     | 0.006   |
| Arsenic  | 0.001           | ND     | 0.01    |
| Barium   | 0.001           | 0.057  | 2       |
| Beryllium  | 0.0002          | ND     | 0.004   |
| Bromide  | 10              | 13     |         |
| Cadmium  | 0.0002          | ND     | 0.005   |
| Calcium  | 0.2             | 79     |         |
| Chloride   | 2               | 18     | 250     |
| Chromium (includes Hexavalent Chromium)                | 0.001           | ND     | 0.1     |
| Copper   | 0.001           | ND     | 1       |
| Cyanide, Total   | 0.005           | ND     | 0.2     |
| Fluoride   | 0.1             | 0.1    | 2.4     |

|                                  |        |      |       |
|----------------------------------|--------|------|-------|
| Iron                             | 0.02   | ND   | 0.3   |
| Lead                             | 0.0005 | ND   | 0.005 |
| Magnesium                        | 0.2    | 31   |       |
| Manganese                        | 0.001  | ND   | 0.05  |
| Mercury                          | 0.0002 | ND   | 0.002 |
| Nickel                           | 0.005  | ND   | 0.1   |
| Nitrogen, Nitrate                | 0.10   | 6.3  | 10    |
| Nitrogen, Nitrite                | 0.004  | ND   | 1     |
| Total Nitrate + Nitrite-Nitrogen | 0.02   | 6.29 | 10    |
| Potassium                        | 0.5    | 2.2  |       |
| Selenium                         | 0.001  | ND   | 0.05  |
| Silver                           | 0.001  | ND   | 0.1   |
| Sodium                           | 0.2    | 9.8  |       |
| Sulfate as SO4                   | 5      | 11   | 250   |
| Surfactants (MBAS)               | 0.2    | ND   |       |
| Thallium                         | 0.0002 | ND   | 0.002 |
| Phenolics                        | 0.001  | ND   | 0.001 |
| Zinc                             | 0.01   | ND   | 5     |

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Organic Chemicals

Diquat (Ref: EPA 549.2)

|        |     |    |    |
|--------|-----|----|----|
| Diquat | 0.4 | ND | 20 |
|--------|-----|----|----|

Endothall (Ref: EPA 548.1) - (ug/L)

|           |   |    |     |
|-----------|---|----|-----|
| Endothall | 9 | ND | 100 |
|-----------|---|----|-----|

Glyphosate

|            |   |    |     |
|------------|---|----|-----|
| Glyphosate | 6 | ND | 700 |
|------------|---|----|-----|

Perchlorate

|             |   |    |  |
|-------------|---|----|--|
| Perchlorate | 1 | ND |  |
|-------------|---|----|--|

2,3,7,8-TCDD (Ref: EPA 1613B)

|                                     |   |    |    |
|-------------------------------------|---|----|----|
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin | 5 | ND | 30 |
|-------------------------------------|---|----|----|

Carbamate Pesticides (Ref: 531.2)

|                     |     |    |  |
|---------------------|-----|----|--|
| 3-Hydroxycarbofuran | 0.5 | ND |  |
|---------------------|-----|----|--|

|          |     |    |  |
|----------|-----|----|--|
| Aldicarb | 0.5 | ND |  |
|----------|-----|----|--|

|                  |     |    |  |
|------------------|-----|----|--|
| Aldicarb sulfone | 0.5 | ND |  |
|------------------|-----|----|--|

|                    |     |    |  |
|--------------------|-----|----|--|
| Aldicarb sulfoxide | 0.5 | ND |  |
|--------------------|-----|----|--|

|          |     |    |  |
|----------|-----|----|--|
| Carbaryl | 0.5 | ND |  |
|----------|-----|----|--|

|            |     |    |    |
|------------|-----|----|----|
| Carbofuran | 0.5 | ND | 40 |
|------------|-----|----|----|

|          |     |    |  |
|----------|-----|----|--|
| Methomyl | 0.5 | ND |  |
|----------|-----|----|--|

|        |     |    |     |
|--------|-----|----|-----|
| Oxamyl | 0.5 | ND | 200 |
|--------|-----|----|-----|

Herbicides (Ref: EPA 515.3)

|          |     |    |    |
|----------|-----|----|----|
| 2,4,5-TP | 0.2 | ND | 50 |
|----------|-----|----|----|

|       |     |    |    |
|-------|-----|----|----|
| 2,4-D | 0.1 | ND | 70 |
|-------|-----|----|----|

|          |     |    |  |
|----------|-----|----|--|
| Bentazon | 0.2 | ND |  |
|----------|-----|----|--|

|         |   |    |     |
|---------|---|----|-----|
| Dalapon | 1 | ND | 200 |
|---------|---|----|-----|

|                        |     |    |  |
|------------------------|-----|----|--|
| D CPA Acid Metabolites | 0.2 | ND |  |
|------------------------|-----|----|--|

|         |     |    |  |
|---------|-----|----|--|
| Dicamba | 0.1 | ND |  |
|---------|-----|----|--|

|         |     |    |   |
|---------|-----|----|---|
| Dinoseb | 0.2 | ND | 7 |
|---------|-----|----|---|

|                   |      |    |   |
|-------------------|------|----|---|
| Pentachlorophenol | 0.04 | ND | 1 |
|-------------------|------|----|---|

|          |     |    |     |
|----------|-----|----|-----|
| Picloram | 0.1 | ND | 500 |
|----------|-----|----|-----|

Semivolatile Organic Compounds (Ref: EPA 525.2)

|                    |     |    |  |
|--------------------|-----|----|--|
| 2,4 Dinitrotoluene | 0.5 | ND |  |
|--------------------|-----|----|--|

|                    |     |    |  |
|--------------------|-----|----|--|
| 2,6-Dinitrotoluene | 0.5 | ND |  |
|--------------------|-----|----|--|

|          |     |    |   |
|----------|-----|----|---|
| Alachlor | 0.1 | ND | 2 |
|----------|-----|----|---|

|        |     |    |  |
|--------|-----|----|--|
| Aldrin | 0.1 | ND |  |
|--------|-----|----|--|

|          |     |    |   |
|----------|-----|----|---|
| Atrazine | 0.1 | ND | 3 |
|----------|-----|----|---|

|                |      |    |     |
|----------------|------|----|-----|
| Benzo(a)Pyrene | 0.02 | ND | 0.2 |
|----------------|------|----|-----|

|                          |     |    |     |
|--------------------------|-----|----|-----|
| bis(2-Ethylhexyl)adipate | 0.6 | ND | 400 |
|--------------------------|-----|----|-----|

|                                   |     |    |   |
|-----------------------------------|-----|----|---|
| bis(2-Ethylhexyl)phthalate (DEHP) | 0.6 | ND | 6 |
|-----------------------------------|-----|----|---|

|           |     |    |  |
|-----------|-----|----|--|
| Butachlor | 0.2 | ND |  |
|-----------|-----|----|--|

|                      |   |    |  |
|----------------------|---|----|--|
| Butylbenzylphthalate | 2 | ND |  |
|----------------------|---|----|--|

|                     |   |    |  |
|---------------------|---|----|--|
| Di-n-butylphthalate | 2 | ND |  |
|---------------------|---|----|--|

|  |      |    |      |
|--|------|----|------|
| Dieldrin   | 0.5  | ND |      |
| Diethylphthalate   | 2    | ND |      |
| Dimethylphthalate  | 2    | ND |      |
| Endrin   | 0.1  | ND | 2    |
| EPTC   | 0.5  | ND |      |
| Heptachlor   | 0.04 | ND | 0.4  |
| Heptachlor Epoxide   | 0.02 | ND | 0.2  |
| Hexachlorobenzene  | 0.1  | ND | 1    |
| Hexachlorocyclopentadiene                                  | 0.1  | ND | 50   |
| Lindane  | 0.02 | ND | 0.2  |
| Methoxychlor   | 0.1  | ND | 40   |
| Metolachlor  | 0.1  | ND |      |
| Metribuzin   | 0.1  | ND |      |
| Molinate   | 0.1  | ND |      |
| p,p'-DDE (4,4'-DDE)  | 0.2  | ND |      |
| Propachlor   | 0.1  | ND |      |
| Simazine   | 0.07 | ND | 4    |
| Terbacil   | 0.5  | ND |      |
| Volatiles: EDB and DBCP (Ref: EPA 504.1)                   |      |    |      |
| 1,2-Dibromo-3-Chloropropane (DBCP)                         | 0.01 | ND | 0.2  |
| Ethylene Dibromide (EDB)                                   | 0.01 | ND | 0.05 |
| Volatiles: Regulated and Monitoring VOC's (Ref: EPA 524.2) |      |    |      |
| 1,1,1,2-Tetrachloroethane                                  | 0.5  | ND |      |
| 1,1,1-Trichloroethane                                      | 0.5  | ND | 200  |
| 1,1,2,2-Tetrachloroethane                                  | 0.5  | ND |      |
| 1,1,2-Trichloroethane                                      | 0.5  | ND | 5    |
| 1,1-Dichloroethane   | 0.5  | ND |      |
| 1,1-Dichloroethylene                                       | 0.5  | ND | 7    |
| 1,1-Dichloropropene  | 0.5  | ND |      |
| 1,2,3-Trichlorobenzene                                     | 0.5  | ND |      |
| 1,2,3-Trichloropropane                                     | 0.5  | ND |      |
| 1,2,3-Trimethylbenzene                                     | 0.5  | ND |      |
| 1,2,4-Trichlorobenzene                                     | 0.5  | ND | 70   |
| 1,2,4-Trimethylbenzene                                     | 0.5  | ND |      |
| 1,2-Dichlorobenzene  | 0.5  | ND | 600  |
| 1,2-Dichloroethane   | 0.5  | ND | 5    |
| 1,2-Dichloropropane  | 0.5  | ND | 5    |
| 1,3,5-Trimethylbenzene                                     | 0.5  | ND |      |
| 1,3-Dichlorobenzene  | 0.5  | ND |      |
| 1,4-Dichlorobenzene  | 0.5  | ND | 75   |
| 2,2-Dichloropropane  | 0.5  | ND |      |
| 2-Chlorotoluene  | 0.5  | ND |      |
| 4-Chlorotoluene  | 0.5  | ND |      |
| Benzene  | 0.5  | ND | 5    |
| Bromobenzene   | 0.5  | ND |      |
| Bromochloromethane   | 0.5  | ND |      |
| Bromodichloromethane                                       | 0.5  | ND |      |
| Bromoform  | 0.5  | ND |      |
| Bromomethane   | 0.5  | ND |      |
| Carbon Tetrachloride                                       | 0.5  | ND | 5    |
| Chlorobenzene  | 0.5  | ND | 100  |
| Chlorodibromomethane                                       | 0.5  | ND |      |
| Chloroethane   | 0.5  | ND |      |
| Chloroform   | 0.5  | ND |      |
| Chloromethane  | 0.5  | ND |      |
| cis-1,2-Dichloroethylene                                   | 0.5  | ND | 70   |
| cis-1,3-Dichloropropene                                    | 0.5  | ND |      |
| Dibromomethane   | 0.5  | ND |      |
| Dichlorodifluoromethane                                    | 0.5  | ND |      |
| Ethyl Benzene  | 0.5  | ND | 700  |

|  |      |     |       |
|--|------|-----|-------|
| Hexachlorobutadiene                                    | 0.5  | ND  |       |
| Isopropylbenzene (Cumene)                              | 0.5  | ND  |       |
| m+p-Xylenes  | 1    | ND  |       |
| Methyl Ethyl Ketone                                    | 5    | ND  |       |
| Methyl-tert-Butyl Ether (MTBE)                         | 0.5  | ND  |       |
| Methylene Chloride                                     | 0.5  | ND  | 5     |
| n-Butylbenzene   | 0.5  | ND  |       |
| n-Propylbenzene  | 0.5  | ND  |       |
| Naphthalene  | 0.5  | ND  |       |
| o-Xylene   | 0.5  | ND  |       |
| p-Isopropyltoluene (Cymene)                            | 0.5  | ND  |       |
| sec-Butylbenzene                                       | 0.5  | ND  |       |
| Styrene  | 0.5  | ND  | 100   |
| Tetrachloroethylene                                    | 0.5  | ND  | 5     |
| Toluene  | 0.5  | ND  | 1000  |
| Total Trihalomethanes                                  | 0.5  | ND  | 80    |
| Total Xylenes  | 0.5  | ND  | 10000 |
| trans-1,2-Dichloroethylene                             | 0.5  | ND  | 100   |
| trans-1,3-Dichloropropene                              | 0.5  | ND  |       |
| Trichloroethylene                                      | 0.5  | ND  | 5     |
| Trichlorofluoromethane                                 | 0.5  | ND  |       |
| Trichlorotrifluoroethane                               | 0.5  | ND  |       |
| Vinyl Chloride   | 0.5  | ND  | 2     |
| Chlorinated Pesticides and Organohalides by EPA 508.1  |      |     |       |
| Chlordane  | 0.1  | ND  | 2     |
| Endrin   | 0.01 | ND  | 2     |
| PCB 1016   | 0.08 | ND  | 0.5   |
| PCB 1221   | 0.1  | ND  | 0.5   |
| PCB 1232   | 0.1  | ND  | 0.5   |
| PCB 1242   | 0.1  | ND  | 0.5   |
| PCB 1248   | 0.1  | ND  | 0.5   |
| PCB 1254   | 0.1  | ND  | 0.5   |
| PCB 1260   | 0.1  | ND  | 0.5   |
| Total PCBs   | 0.1  | ND  | 0.5   |
| Toxaphene  | 0.1  | ND  | 3     |
| <b>Miscellaneous</b>                                   |      |     |       |
| Radon  | 200  | 290 |       |
| <b>Disinfection Residuals/Disinfection By-Products</b> |      |     |       |
| Bromate  | 5    | ND  | 10    |
| Chlorite   | 10   | ND  | 1000  |

SOQ – Standard of Quality per FDA or California

ND – Not detected at the specific limit

All results reported in milligrams per liter unless otherwise noted