



2023 WATER QUALITY REPORT

- Note:** “*” Indicates that maximum levels have been exceeded, or in the case of pH, is either too high or too low
 “ND” Indicates that none of this analyte has been detected at or above the specified detection level
 “MCL” Indicates maximum contaminant level as established by US FDA for bottled water
 “RL” Indicates laboratory reporting limit for method
 Units Results are reported in mg/L unless otherwise noted

ANALYSIS PERFORMED	MCL ¹ (mg/L)	Spring	Purified (RO)	Drinking	Distilled	Method
Primary Inorganics						
Antimony	0.006	ND	ND	ND	ND	EPA 200.8
Arsenic	0.01	0.0014	ND	ND	ND	EPA 200.8
Asbestos	7 MFL	ND	ND	ND	ND	EPA 100.2
Barium	2	0.0423	ND	0.0033	ND	EPA 200.8
Beryllium	0.004	ND	ND	ND	ND	EPA 200.8
Cadmium	0.005	ND	ND	ND	ND	EPA 200.8
Chromium	0.1	ND	ND	ND	ND	EPA 200.8
Cyanide	0.2	ND	ND	ND	ND	OIA-1677-DW
Fluoride	See endnote ²	ND	ND	ND	ND	EPA 300.0
Lead	0.005	ND	ND	ND	ND	EPA 200.8
Mercury	0.002	ND	ND	ND	ND	EPA 200.8
Nickel	0.1	ND	ND	ND	ND	EPA 200.8
Nitrogen, Nitrate	10	0.29	0.20	0.24	ND	EPA 300.0
Nitrogen, Nitrite	1.0	ND	ND	ND	ND	EPA 300.0
Nitrogen – NO ₃ /NO ₂ (NOX)	10	0.29	0.20	0.24	ND	EPA 300.0
Selenium	0.05	ND	ND	ND	ND	EPA 200.8
Thallium	0.002	ND	ND	ND	ND	EPA 200.8
Secondary Inorganics						
Alkalinity	--	29.4	2.2	6.1	1.7	SM 2320B
Aluminum	0.2	0.02	ND	ND	ND	EPA 200.7
Boron	--	ND	ND	ND	ND	EPA 200.7
Bromide	--	0.0094	ND	ND	ND	EPA 300.1
Calcium	--	7.8	ND	ND	ND	EPA 200.7
Chloride	250 ³	0.9	0.50	2.4	ND	EPA 300.0
Copper	1	ND	ND	ND	ND	EPA 200.8
Corrosivity	--	-2.99	-4.8	-5.48	-8.2	SM 203
Electrical Conductivity	--umho/cm	65.5	7.3	38.2	ND	SM2510B
Foaming Agents (MBAS)	--	ND	ND	ND	ND	SM 5540C
Hardness, Total	--	27.7	ND	5.0	ND	200.7
Iron	0.3 ³	ND	ND	ND	ND	EPA 200.7
Magnesium	--	2.0	ND	1.1	ND	EPA 200.7
Manganese	0.05 ³	ND	ND	ND	ND	EPA 200.8
pH	See endnote ⁴	6.36	6.6	6.18	6.26	EPA 150.1
Phenol	0.001	ND	ND	ND	ND	EPA 420.4
Potassium	--	ND	ND	4.8	ND	EPA 200.7
Silver	0.1	ND	ND	ND	ND	EPA 200.8
Sodium	--	1.8	ND	0.9	ND	EPA 200.7
Sulfate	250	2.1	ND	4.3	ND	EPA 300.0
TDS	500 ^{3,5}	46	ND	20	ND	SM2540C
Zinc	5 ³	ND	ND	ND	ND	EPA 200.8
Physical						
Color	15 ³ CU	ND	ND	ND	ND	SM 2120B
Odor	3 ³ TON	ND	ND	ND	ND	SM 2150

ANALYSIS PERFORMED	MCL ¹ (mg/L)	Spring	Purified (RO)	Drinking	Distilled	Method
Turbidity	5 NTU	0.17	ND	ND	0.11	EPA 180.1
Microbiological						
Total Coliform	Absence	ND	ND	ND	ND	SM 9223B
Radiologicals						
Gross Alpha	15 pCi/L	ND	ND	ND	ND	EPA 900.0
Gross Beta	50 pCi/L ⁵	ND	ND	4.91	ND	EPA 900.0
Radium 226-228	5pCi/L	ND/ND	ND/ND	ND/ND	ND/ND	EPA 903.1/904.0
Uranium	0.030	ND	ND	ND	ND	EPA 200.8
Radon	--pCi/L	42.6		69.4		SM7500-Rn B
Volatile Organic Compounds						
Total Trihalomethanes	0.080	ND	ND	ND	ND	EPA 524.2
Benzene	0.005	ND	ND	ND	ND	EPA 524.2
Bromobenzene	--	ND	ND	ND	ND	EPA 524.2
Bromochloromethane	--	ND	ND	ND	ND	EPA 524.2
Bromodichloromethane	--	ND	ND	ND	ND	EPA 524.2
Bromoform	--	ND	ND	ND	ND	EPA 524.2
Bromomethane	--	ND	ND	ND	ND	EPA 524.2
n- Butylbenzene	--	ND	ND	ND	ND	EPA 524.2
sec-Butylbenzene	--	ND	ND	ND	ND	EPA 524.2
tert-Butylbenzene	--	ND	ND	ND	ND	EPA 524.2
Carbon Tetrachloride	0.005	ND	ND	ND	ND	EPA 524.2
Chloroethane	--	ND	ND	ND	ND	EPA 524.2
Chloroform	--	ND	ND	ND	ND	EPA 524.2
Chloromethane	--	ND	ND	ND	ND	EPA 524.2
o-Chlorotoluene	--	ND	ND	ND	ND	EPA 524.2
p-Chlorotoluene	--	ND	ND	ND	ND	EPA 524.2
Chlorodibromomethane	--	ND	ND	ND	ND	EPA 524.2
Dibromomethane	--	ND	ND	ND	ND	EPA 524.2
o-Dichlorobenzene	0.6	ND	ND	ND	ND	EPA 524.2
m-Dichlorobenzene	--	ND	ND	ND	ND	EPA 524.2
p-Dichlorobenzene	0.075	ND	ND	ND	ND	EPA 524.2
Dichlorodifluoromethane	--	ND	ND	ND	ND	EPA 524.2
1,1-Dichloroethane	--	ND	ND	ND	ND	EPA 524.2
1,2-Dichloroethane	0.005	ND	ND	ND	ND	EPA 524.2
1,1-Dichloroethylene	0.007	ND	ND	ND	ND	EPA 524.2
cis-1,2-Dichloroethylene	0.07	ND	ND	ND	ND	EPA 524.2
trans-1,2-Dichloroethylene	0.1	ND	ND	ND	ND	EPA 524.2
1,2-Dichloropropane	0.005	ND	ND	ND	ND	EPA 524.2
1,3-Dichloropropane	--	ND	ND	ND	ND	EPA 524.2
2,2-Dichloropropane	--	ND	ND	ND	ND	EPA 524.2
1,1-Dichloropropene	--	ND	ND	ND	ND	EPA 524.2
cis-1,3-Dichloropropene	--	ND	ND	ND	ND	EPA 524.2
trans-1,3-Dichloropropene	--	ND	ND	ND	ND	EPA 524.2
Ethylbenzene	0.7	ND	ND	ND	ND	EPA 524.2
Hexachlorobutadiene	--	ND	ND	ND	ND	EPA 524.2
Isopropylbenzene	--	ND	ND	ND	ND	EPA 524.2
p-Isopropyltoluene	--	ND	ND	ND	ND	EPA 524.2
Methyl tert-Butyl Ether (MTBE)	--	ND	ND	ND	ND	EPA 524.2
Methylene Chloride (Dichloromethane)	0.005	ND	ND	ND	ND	EPA 524.2
Monochlorobenzene	0.1	ND	ND	ND	ND	EPA 524.2
Naphthalene	--	ND	ND	ND	ND	EPA 524.2

ANALYSIS PERFORMED	MCL ¹ (mg/L)	Spring	Purified (RO)	Drinking	Distilled	Method
n-Propylbenzene	--	ND	ND	ND	ND	EPA 524.2
Styrene	0.1	ND	ND	ND	ND	EPA 524.2
1,1,1,2-Tetrachloroethane	--	ND	ND	ND	ND	EPA 524.2
1,1,2,2-Tetrachloroethane	--	ND	ND	ND	ND	EPA 524.2
Tetrachloroethylene	0.005	ND	ND	ND	ND	EPA 524.2
Toluene	1	ND	ND	ND	ND	EPA 524.2
1,2,3-Trichlorobenzene	--	ND	ND	ND	ND	EPA 524.2
1,2,4-Trichlorobenzene	0.07	ND	ND	ND	ND	EPA 524.2
1,1,1-Trichloroethane	0.2	ND	ND	ND	ND	EPA 524.2
1,1,2-Trichloroethane	0.005	ND	ND	ND	ND	EPA 524.2
Trichloroethylene	0.005	ND	ND	ND	ND	EPA 524.2
Trichlorofluoromethane	--	ND	ND	ND	ND	EPA 524.2
1,2,3-Trichloropropane	--	ND	ND	ND	ND	EPA 524.2
1,2,4-Trimethylbenzene	--	ND	ND	ND	ND	EPA 524.2
1,3,5-Trimethylbenzene	--	ND	ND	ND	ND	EPA 524.2
Vinyl Chloride	0.002	ND	ND	ND	ND	EPA 524.2
m+p-Xylenes	--	ND	ND	ND	ND	EPA 524.2
ortho-Xylene	--	ND	ND	ND	ND	EPA 524.2
Total Xylene	10	ND	ND	ND	ND	EPA 524.2
Add'l Organics						
1,2-Dibromoethane	0.00005	ND	ND	ND	ND	EPA 504.1
1,2 Dibromo-3-chloropropane	0.0002	ND	ND	ND	ND	EPA 504.1
1,2,3-Trichloropropane	0.00003	ND	ND	ND	ND	EPA 504.1
Chlordane (alpha and gamma)	0.002	ND	ND	ND	ND	EPA 508.1
Total PCBs	0.0005	ND	ND	ND	ND	EPA 508.1
Toxaphene	0.003	ND	ND	ND	ND	EPA 508.1
2,4-D	0.07	ND	ND	ND	ND	EPA 515.4
Dalapon	0.2	ND	ND	ND	ND	EPA 515.4
Dicamba	--	ND	ND	ND	ND	EPA 515.4
Dinoseb	0.007	ND	ND	ND	ND	EPA 515.4
Pentachlorophenol	0.001	ND	ND	ND	ND	EPA 515.4
Picloram	0.5	ND	ND	ND	ND	EPA 515.4
2,4,5-TP (Silvex)	0.05	ND	ND	ND	ND	EPA 515.4
Alachlor	0.002	ND	ND	ND	ND	EPA 525.2
Aldrin	--	ND	ND	ND	ND	EPA 525.2
Atrazine	0.003	ND	ND	ND	ND	EPA 525.2
Benzo(a)Pyrene	0.0002	ND	ND	ND	ND	EPA 525.2
Butalchlor	--	ND	ND	ND	ND	EPA 525.2
Di(2-ethylhexyl)Adipate	0.4	ND	ND	ND	ND	EPA 525.2
Di(2-ethylhexyl)Phthalate	0.006	ND	ND	ND	ND	EPA 525.2
Dieldrin	--	ND	ND	ND	ND	EPA 525.2
Endrin	0.002	ND	ND	ND	ND	EPA 525.2
Heptachlor	0.0004	ND	ND	ND	ND	EPA 525.2
Heptachlor Epoxide	0.0002	ND	ND	ND	ND	EPA 525.2
Heptachlorobenzene	0.001	ND	ND	ND	ND	EPA 525.2
Hexachlorocyclopentadiene	0.05	ND	ND	ND	ND	EPA 525.2
Lindane	0.0002	ND	ND	ND	ND	EPA 525.2
Methoxychlor	0.04	ND	ND	ND	ND	EPA 525.2
Metolachlor	--	ND	ND	ND	ND	EPA 525.2
Metribuzin	--	ND	ND	ND	ND	EPA 525.2

Propachlor	--	ND	ND	ND	ND	EPA 525.2
ANALYSIS PERFORMED	MCL¹ (mg/L)	Spring	Purified (RO)	Drinking	Distilled	Method
Simazine	0.004	ND	ND	ND	ND	EPA 525.2
Aldicarb (TEMIK)	--	ND	ND	ND	ND	EPA 531.2
Aldicarb sulfone	--	ND	ND	ND	ND	EPA 531.2
Aldicarb sulfoxide	--	ND	ND	ND	ND	EPA 531.2
Carbaryl	--	ND	ND	ND	ND	EPA 531.2
Carbofuran (FURADAN)	0.04	ND	ND	ND	ND	EPA 531.2
3-Hydroxycarbofuran	--	ND	ND	ND	ND	EPA 531.2
Methomyl	--	ND	ND	ND	ND	EPA 531.2
Oxamyl (VYDATE)	0.2	ND	ND	ND	ND	EPA 531.2
Glyphosate	0.7	ND	ND	ND	ND	EPA 547
Endothall	0.1	ND	ND	ND	ND	EPA 548.1
Diquat	0.02	ND	ND	ND	ND	EPA 549.2
2,3,7,8-TCDD (DIOXIN)	3x10-8	ND	ND	ND	ND	EPA 1613
Disinfection By-products						
Bromate	0.010	0.0012	ND	0.0012	ND	EPA 300.1
Chlorite	1.0	ND	ND	ND	ND	EPA 300.1
Dibromoacetic Acid	--	ND	ND	ND	ND	EPA 552.3
Dichloroacetic Acid	--	ND	ND	ND	ND	EPA 552.3
Monobromoacetic Acid	--	ND	ND	ND	ND	EPA 552.3
Monochloroacetic Acid	--	ND	ND	ND	ND	EPA 552.3
Trichloroacetic Acid	--	ND	ND	ND	ND	EPA 552.3
Haloacetic Acids, Total	0.060	ND	ND	ND	ND	EPA 552.3
Total Trihalomethanes	0.080	ND	ND	ND	ND	EPA 524.2
Bromodichloromethane	--	ND	ND	ND	ND	EPA 524.2
Bromoform	--	ND	ND	ND	ND	EPA 524.2
Chloroform	--	ND	ND	ND	ND	EPA 524.2
Chlorodibromomethane	--	ND	ND	ND	ND	EPA 524.2
Residual Disinfectants						
Residual Chlorine, Total	4.0	ND	ND	ND	ND	SM4500-CL G
Chloramines	4.0	ND	ND	ND	ND	SM4500-CL-G
Chlorine Dioxide	0.8	ND	ND	ND	ND	SM4500-CLO2-D
Miscellaneous						
Perchlorate	--	ND	ND	ND	ND	EPA 331.0
Perfluorinated Compounds						
11-chloroeicosafuoro-3-oxaundecane-1-sulfonate	--	ND	ND	ND	ND	EPA 537.1
2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-eptafluoropropoxy)-propanoic acid	--	ND	ND	ND	ND	EPA 537.1
4,8-dioxa-3h-perfluorononanoic acid (dona, adona)	--	ND	ND	ND	ND	EPA 537.1
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (f-53b major)	--	ND	ND	ND	ND	EPA 537.1
n-ethylperfluoro-1-octanesulfonamidoacetic acid (netfosaa)	--	ND	ND	ND	ND	EPA 537.1
n-methylperfluoro-1-octanesulfonamidoacetic acid (nmefosaa)	--	ND	ND	ND	ND	EPA 537.1

perfluorobutanesulfonic acid (pfbs)	--	ND	ND	ND	ND	EPA 537.1
perfluorodecanoic acid (pfda)	--	ND	ND	ND	ND	EPA 537.1
ANALYSIS PERFORMED	MCL¹ (mg/L)	Spring	Purified (RO)	Drinking	Distilled	Method
perfluorododecanoic acid (pfdoa)	--	ND	ND	ND	ND	EPA 537.1
perfluoroheptanoic acid (pfhpa)	--	ND	ND	ND	ND	EPA 537.1
perfluorohexanesulfonic acid (pfhxs)	--	ND	ND	ND	ND	EPA 537.1
perfluorohexanoic acid (pfhxa)	--	ND	ND	ND	ND	EPA 537.1
perfluorononanoic acid (pfna)	--	ND	ND	ND	ND	EPA 537.1
perfluorooctanesulfonic acid (pfos)	--	ND	ND	ND	ND	EPA 537.1
perfluorooctanoic acid (pfoa)	--	ND	ND	ND	ND	EPA 537.1
perfluorotetradecanoic acid (pfteda)	--	ND	ND	ND	ND	EPA 537.1
perfluorotridecanoic acid (pftrda)	--	ND	ND	ND	ND	EPA 537.1
perfluoroundecanoic acid (pfuna)	--	ND	ND	ND	ND	EPA 537.1

EPA approved methods were used in all of the analyses and a listing is available upon request. These test results may be used for compliance purposes as required.

¹ The EPA, some state agencies and/or the IBWA may have established alternate MCLs for some of these analytes. Please refer to Federal, State and industry codes.

²Fluoride MCL is determined by annual average of maximum daily air temperatures where the bottles water is sold. Refer to tables found in 21 CFR 165. The MCL for bottled water to which Fluoride has been added is 0.7mg/L

³Mineral water is exempt from allowable levels per 21 CFR 165.110(b) (3) and (4). The exemptions are aesthetically based allowable levels and do not relate to a health concern.

⁴ MCL established by US FDA for waters that meet the US FDA definition of "Purified" is 5-7 pH Units per the USP XXIII Standards, as referenced in 21 CFR 165.

⁵The bottled water shall not contain beta particle and photon radioactivity form man-made radionuclides in excess of that which would produce an annual does equivalent to the total body or any internal organ of 4 millirems per year calculated on the basis of an intake of 2 liters of the water per day (=50pCi/L).