

Compliance Designs

CLIENT: Aqua Filter Fresh
One Commerce Drive
Pittsburgh, PA 15239

DATE OF REPORT: Quarter 3, 2023
REPORT #: 344-1180
LABORATORY ID#: 48143

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)	RL (mg/L)	DRINKING PURIFIED W/MINERALS FINISHED PRODUCT (Produced from Plum Boro Municipal, 1.5 Gallon) 344-1180 (mg/L)
Primary Inorganics			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.001	ND
Asbestos	7 MFL	0.17	ND
Barium	2	0.001	ND
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.001	ND
Chromium	0.1	0.001	ND
Cyanide	0.2	0.005	ND
Fluoride	See endnote ²	0.10	ND
Lead	0.005	0.001	ND
Mercury	0.002	0.0001	ND
Nickel	0.1	0.001	ND
Nitrogen, Nitrate	10	0.10	ND
Nitrogen, Nitrite	1.0	0.10	ND
Nitrogen - NO3/NO2 (NOX)	10	0.10	ND
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	1	ND
Aluminum	0.2	0.010	ND
Boron	--	0.05	ND
Bromide	--	0.005	ND
Calcium	--	0.5	13.1
Chloride	250 ³	0.1	26.0
Copper	1	0.005	ND
Corrosivity	--	--	-4.49
Electrical Conductivity	-- umho/cm	10	91.8
Foaming Agents (MBAS)	--	0.10	ND
Hardness, Total	--	10	34.4
Iron	0.3 ³	0.050	ND
Magnesium	--	0.5	ND
Manganese	0.05 ³	0.001	ND
pH	See endnote ⁴	0.1	6.64
Phenol	0.001	0.001	ND
Potassium	--	1.0	ND
Silver	0.1	0.001	ND
Sodium	--	0.5	ND
Sulfate	250	10	ND
TDS	500 ^{3,5}	10	106
Zinc	5 ³	0.005	ND

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Physical			
Color	15 ³ CU	5	ND
Odor	3 ³ TON	1	ND
Turbidity	5 NTU	0.10	ND
Microbiological			
Total Coliform	Absence	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	2.08	ND
Gross Beta	50 pCi/L ⁵	1.57	ND
Radium 226/228	5 pCi/L	0.780/0.609	ND / 0.639
Uranium	0.030	0.001	ND
Radon	-- pCi/L	42.8	ND
Volatile Organic Compounds EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Benzene	0.005	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Bromomethane	--	0.0005	ND
n-Butylbenzene	--	0.0005	ND
sec-Butylbenzene	--	0.0005	ND
tert-Butylbenzene	--	0.0005	ND
Carbon Tetrachloride	0.005	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
o-Chlorotoluene	--	0.0005	ND
p-Chlorotoluene	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
o-Dichlorobenzene	0.6	0.0005	ND
m-Dichlorobenzene	--	0.0005	ND
p-Dichlorobenzene	0.075	0.0005	ND
Dichlorodifluoromethane	--	0.0005	ND
1,1-Dichloroethane	--	0.0005	ND
1,2-Dichloroethane	0.005	0.0005	ND
1,1-Dichloroethylene	0.007	0.0005	ND
cis-1,2-Dichloroethylene	0.07	0.0005	ND
trans-1,2-Dichloroethylene	0.1	0.0005	ND
1,2-Dichloropropane	0.005	0.0005	ND
1,3-Dichloropropane	--	0.0005	ND
2,2-Dichloropropane	--	0.0005	ND
1,1-Dichloropropene	--	0.0005	ND
cis-1,3-Dichloropropene	--	0.0005	ND
trans-1,3-Dichloropropene	--	0.0005	ND
Ethylbenzene	0.7	0.0005	ND

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EPA 524.2 continued:			
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
p-Isopropyltoluene	--	0.0005	ND
Methyl tert-Butyl Ether (MTBE)	--	0.0005	ND
Methylene Chloride (Dichloromethane)	0.005	0.0005	ND
Monochlorobenzene	0.1	0.0005	ND
Naphthalene	--	0.0005	ND
n-Propylbenzene	--	0.0005	ND
Styrene	0.1	0.0005	ND
1,1,1,2-Tetrachloroethane	--	0.0005	ND
1,1,2,2-Tetrachloroethane	--	0.0005	ND
Tetrachloroethylene	0.005	0.0005	ND
Toluene	1	0.0005	ND
1,2,3-Trichlorobenzene	--	0.0005	ND
1,2,4-Trichlorobenzene	0.07	0.0005	ND
1,1,1-Trichloroethane	0.2	0.0005	ND
1,1,2-Trichloroethane	0.005	0.0005	ND
Trichloroethylene	0.005	0.0005	ND
Trichlorofluoromethane	--	0.0005	ND
1,2,3-Trichloropropane	--	0.0005	ND
1,2,4-Trimethylbenzene	--	0.0005	ND
1,3,5-Trimethylbenzene	--	0.0005	ND
Vinyl Chloride	0.002	0.0005	ND
m+p-Xylenes	--	0.0005	ND
ortho-Xylene	--	0.0005	ND
Total Xylene	10	0.0005	ND
Add'l Organics			
EPA 504.1:			
1,2-Dibromoethane	0.00005	0.00002	ND
1,2 Dibromo-3-chloropropane	0.0002	0.00002	ND
1,2,3-Trichloropropane	0.00003	0.00002	ND
EPA 508.1:			
Chlordane (alpha and gamma)	0.002	0.0002	ND
Total PCBs	0.0005	0.0005	ND
Toxaphene	0.003	0.001	ND

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EPA 515.4:			
2,4-D	0.07	0.0001	ND
Dalapon	0.2	0.001	ND
Dicamba	--	0.0002	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
EPA 525.2:			
Alachlor	0.002	0.0002	ND
Aldrin	--	0.0001	ND
Atrazine	0.003	0.0001	ND
Benzo(a)Pyrene	0.0002	0.00002	ND
Butachlor	--	0.0001	ND
Di(2-ethylhexyl)Adipate	0.4	0.0006	ND
Di(2-ethylhexyl)Phthalate	0.006	0.0006	ND
Dieldrin	--	0.0001	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00004	ND
Heptachlor Epoxide	0.0002	0.00002	ND
Hexachlorobenzene	0.001	0.0001	ND
Hexachlorocyclopentadiene	0.05	0.0001	ND
Lindane	0.0002	0.00002	ND
Methoxychlor	0.04	0.0001	ND
Metolachlor	--	0.0001	ND
Metribuzin	--	0.0001	ND
Propachlor	--	0.0001	ND
Simazine	0.004	0.00007	ND
EPA 531.2:			
Aldicarb (TEMIK)	--	0.001	ND
Aldicarb sulfone	--	0.0016	ND
Aldicarb sulfoxide	--	0.001	ND
Carbaryl	--	0.001	ND
Carbofuran (FURADAN)	0.04	0.0009	ND
3-Hydroxycarbofuran	--	0.001	ND
Methomyl	--	0.001	ND
Oxamyl (VYDATE)	0.2	0.002	ND
EPA 547:			
Glyphosate	0.7	0.006	ND
EPA 548.1:			
Endothall	0.1	0.009	ND
EPA 549.2:			
Diquat	0.02	0.0004	ND

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EPA 1613: 2,3,7,8-TCDD (DIOXIN)	3x10 ⁻⁸	5.0x10 ⁻⁹	ND
Disinfection Byproducts			
EPA 300.1: Bromate	0.010	0.001	ND
EPA 300.1B: Chlorite	1.0	0.010	ND
EPA 552.3:			
Dibromoacetic acid	--	0.001	ND
Dichloroacetic acid	--	0.001	ND
Monobromoacetic acid	--	0.001	ND
Monochloroacetic acid	--	0.002	ND
Trichloroacetic acid	--	0.001	ND
Haloacetic Acids, Total	0.060	0.001	ND
EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Residual Disinfectants			
SM4500-CL G:			
Residual Chlorine, Total	4.0	0.05	ND
Chloramines	4.0	0.05	ND
SM4500-CIO2-D:			
Chlorine Dioxide	0.8	0.1	ND
Miscellaneous			
EPA 331.0:			
Perchlorate	--	0.00005	ND

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.

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

³ Mineral 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.

⁵ The bottled water shall not contain beta particle and photon radioactivity from man-made radionuclides in excess of that which would produce an annual dose 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 (= 50 pCi/L).



QUALITY CONTROL DATA

Project: 23_24352

Pace Project No.: 35820665

MATRIX SPIKE SAMPLE: 5185828		35819114001	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
NMeFOSAA	ng/L	ND	1.9	1.9	95	70-130	
Perfluorobutanesulfonic acid	ng/L	ND	1.6	1.7 I	106	70-130	
Perfluorodecanoic acid	ng/L	ND	1.9	1.7 I	91	70-130	
Perfluorododecanoic acid	ng/L	ND	1.9	1.7 I	87	70-130	
Perfluoroheptanoic acid	ng/L	ND	1.9	1.7 I	89	70-130	
Perfluorohexanesulfonic acid	ng/L	ND	1.7	1.8 I	108	70-130	
Perfluorohexanoic acid	ng/L	ND	1.9	1.9	93	70-130	
Perfluorononanoic acid	ng/L	ND	1.9	1.9 U	94	70-130	
Perfluorooctanesulfonic acid	ng/L	ND	1.7	1.8 I	99	70-130	
Perfluorooctanoic acid	ng/L	ND	1.9	1.8 I	89	70-130	
Perfluorotetradecanoic acid	ng/L	ND	1.9	1.8 U	89	70-130	
Perfluorotridecanoic acid	ng/L	ND	1.9	1.7 I	88	70-130	
Perfluoroundecanoic acid	ng/L	ND	1.9	1.9 U	94	70-130	
13C2-PFDA (S)	%				100	70-130	
13C2-PFHxA (S)	%				101	70-130	
HFPO-DAS (S)	%				102	70-130	
NEtFOSAA-d5 (S)	%				99	70-130	

SAMPLE DUPLICATE: 5185829		35819114002	Dup	RPD	Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
11CI-PF3OUdS	ng/L	ND	1.5 U		30	
9CI-PF3ONS	ng/L	ND	1.1 U		30	
ADONA	ng/L	ND	0.69 U		30	
HFPO-DA	ng/L	ND	1.6 U		30	
NEtFOSAA	ng/L	ND	0.89 U		30	
NMeFOSAA	ng/L	ND	1.5 U		30	
Perfluorobutanesulfonic acid	ng/L	ND	0.64 U		30	
Perfluorodecanoic acid	ng/L	ND	0.93 U		30	
Perfluorododecanoic acid	ng/L	ND	1.4 U		30	
Perfluoroheptanoic acid	ng/L	ND	0.97 U		30	
Perfluorohexanesulfonic acid	ng/L	ND	0.70 U		30	
Perfluorohexanoic acid	ng/L	ND	1.2 U		30	
Perfluorononanoic acid	ng/L	ND	1.9 U		30	
Perfluorooctanesulfonic acid	ng/L	ND	1.2 U		30	
Perfluorooctanoic acid	ng/L	ND	0.84 U		30	
Perfluorotetradecanoic acid	ng/L	ND	1.8 U		30	
Perfluorotridecanoic acid	ng/L	ND	1.7 U		30	
Perfluoroundecanoic acid	ng/L	ND	1.9 U		30	
13C2-PFDA (S)	%	94	97			
13C2-PFHxA (S)	%	98	99			
HFPO-DAS (S)	%	103	101			
NEtFOSAA-d5 (S)	%	85	95			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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