

Compliance Designs

CLIENT: Callaway Blue Springs Water Company, Inc.
3120 Ga Hwy 116
Hamilton, GA 31811

DATE OF REPORT: Quarter 2, 2019
REPORT #: 1022-712, 1022-664
LABORATORY ID#: 798538, 201906306

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)	CALLAWAY BLUE BOREHOLE 1022-712, 1022-664 (mg/L)
Primary Inorganics			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.002	ND
Asbestos	7 MFL	0.2	ND
Barium	2	0.002	0.016
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.0005	ND
Chromium	0.1	0.005	ND
Cyanide	0.2	0.025	ND
Fluoride	See endnote ²	0.05	ND
Lead	0.005	0.0005	ND
Mercury	0.002	0.0002	ND
Nickel	0.1	0.005	ND
Nitrogen, Nitrate	10	0.1	ND
Nitrogen, Nitrite	1.0	0.05	ND
Nitrogen - NO3/NO2 (NOX)	10	0.1	ND
Selenium	0.05	0.005	ND
Thallium	0.002	0.001	ND
Secondary Inorganics			
Alkalinity	--	2	24
Aluminum	0.2	0.02	ND
Bicarbonate	--	2	29
Boron	--	0.05	ND
Bromide	--	0.002	0.011
Calcium	--	1	4.4
Carbonate	--	2	ND
Chloride	250 ³	0.5	1.4
Copper	1	0.002	ND
Corrosivity	--	-14	-2.5
Foaming Agents	--	0.1	ND
Hardness, Calcium	--	5	11
Hardness, Total	--	3	20
Hydroxide	--	2	ND
Iron	0.3 ³	0.02	ND
Magnesium	--	0.1	2.3
Manganese	0.05 ³	0.002	ND
Orthophosphate	--	0.01	0.018
pH	See endnote ⁴	0.1	6.9
Phenol	0.001	0.001	ND
Potassium	--	1	1.2
Silver	0.1	0.0005	ND
Sodium	--	1	1.4
Specific Conductance	-- umho/cm	10	54
Sulfate	250	0.5	0.89
TDS	500 ^{3,5}	10	39
Zinc	5 ³	0.02	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CALLAWAY BLUE BOREHOLE 1022-712, 1022-664 (mg/L)
Physical			
Color	15 ³ CU	3	ND
Odor	3 ³ TON	1	ND
Turbidity	5 NTU	0.1	0.18
Microbiological			
Total Coliform	Absence	1	ND
Heterotrophic Plate Count	-- cfu/mL	1	ND
Radiologicals			
Gross Alpha	15 pCi/L	3	5.3
Gross Beta	50 pCi/L ⁵	3	ND
Radium 226/228	5 pCi/L	1 / 1	ND / ND
Uranium	0.030	0.001	ND
Radon	-- pCi/L	50	420
Volatile Organic Compounds EPA 524.2:			
Total Trihalomethanes	0.080	0.0005	ND
tert-Amyl Methyl Ether (TAME)	--	0.003	ND
tert-Butyl-Ethyl Ether (TBEE)	--	0.003	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 Disulfide	--	0.0005	ND
Carbon Tetrachloride	0.005	0.0005	ND
Chlorobenzene	0.1	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
2-Chlorotoluene	--	0.0005	ND
4-Chlorotoluene	--	0.0005	ND
Chlorodibromomethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
1,2-Dichlorobenzene	0.6	0.0005	ND
1,3-Dichlorobenzene	--	0.0005	ND
1,4-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

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CALLAWAY BLUE BOREHOLE 1022-712, 1022-664 (mg/L)
EPA 524.2 continued:			
Di-Isopropyl Ether	--	0.003	ND
Ethylbenzene	0.7	0.0005	ND
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
4-Isopropyltoluene	--	0.0005	ND
4-Methyl-2-Pentanone (MIBK)	--	0.005	ND
Methyl tert-Butyl Ether (MTBE)	--	0.0005	ND
Methyl Ethyl Ketone (MEK)	--	0.005	ND
Methylene Chloride	0.005	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
Trichlorotrifluoroethane	--	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	0.0003	ND
m+p-Xylenes	--	0.0005	ND
ortho-Xylene	--	0.0005	ND
Total Xylene	10	0.0005	ND
Add'l Organics			
EPA 504.1:			
Ethylene Dibromide	0.00005	0.00001	ND
Dibromochloropropane	0.0002	0.00001	ND
1,2,3-Trichloropropane	0.00003	0.00002	ND
EPA 505:			
Alachlor	0.002	0.0001	ND
Aldrin	--	0.00001	ND
Chlordane (alpha and gamma)	0.002	0.0001	ND
Dieldrin	--	0.00001	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00001	ND
Heptachlor Epoxide	0.0002	0.00001	ND
Lindane	0.0002	0.00001	ND
Methoxychlor	0.04	0.00005	ND
Total PCBs	0.0005	0.0001	ND
PCB 1016	--	0.00008	ND
PCB 1221	--	0.0001	ND
PCB 1232	--	0.0001	ND
PCB 1242	--	0.0001	ND
PCB 1248	--	0.0001	ND
PCB 1254	--	0.0001	ND
PCB 1260	--	0.0001	ND
Toxaphene	0.003	0.0005	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CALLAWAY BLUE BOREHOLE 1022-712, 1022-664 (mg/L)
EPA 515.4:			
Acifluorfen	--	0.0002	ND
Bentazon	--	0.0005	ND
2,4-D	0.07	0.0001	ND
2,4-DB	--	0.002	ND
Dalapon	0.2	0.001	ND
DCPA (total Mono & Di acid degradate)	--	0.0001	ND
Dicamba	--	0.0001	ND
3,5-Dichlorobenzoic Acid	--	0.0005	ND
Dichlorprop	--	0.0005	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-T	--	0.0002	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
EPA 525.2:			
Acenaphthene	--	0.0001	ND
Acenaphthylene	--	0.0001	ND
Acetochlor	--	0.0001	ND
Alpha-BHC	--	0.0001	ND
Anthracene	--	0.00002	ND
Atrazine	0.003	0.00005	ND
Benz(a)Anthracene	--	0.00005	ND
Benzo(a)Pyrene	0.0002	0.00002	ND
Benzo(b)Fluoranthene	--	0.00002	ND
Benzo(g,h,i)Perylene	--	0.00005	ND
Benzo(k)Fluoranthene	--	0.00002	ND
Beta-BHC	--	0.0001	ND
Bromacil	--	0.0002	ND
Butylbenzylphthalate	--	0.0005	ND
Butachlor	--	0.00005	ND
Chlordane (alpha)	0.002	0.00005	ND
Chlordane (gamma)	0.002	0.00005	ND
Chlorobenzilate	--	0.0001	ND
Chloroneb	--	0.0001	ND
Chlorothalonil	--	0.0001	ND
Chlorpyrifos	--	0.00005	ND
Chrysene	--	0.00002	ND
Delta-BHC	--	0.0001	ND
4,4-DDD	--	0.0001	ND
4,4-DDE	--	0.0001	ND
4,4-DDT	--	0.0001	ND
Diazinon (Qualitative)	--	0.0001	ND
Dichlorvos (DDVP)	--	0.00005	ND
Dieldrin	--	0.0002	ND
Di(2-ethylhexyl)Adipate	0.4	0.0006	ND
Dibenz(a,h)Anthracene	--	0.00005	ND
Di(2-ethylhexyl)Phthalate	0.006	0.0006	ND
Diethylphthalate	--	0.0005	ND
Dimethylphthalate	--	0.0005	ND
Dimethoate	--	0.0001	ND
Di-n-Butylphthalate	--	0.001	ND
Di-n-Octylphthalate	--	0.0001	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CALLAWAY BLUE BOREHOLE 1022-712, 1022-664 (mg/L)
EPA 525.2 continued:			
2,4-Dinitrotoluene	--	0.0001	ND
2,6-Dinitrotoluene	--	0.0001	ND
Endosulfan I (Alpha)	--	0.0001	ND
Endosulfan II (Beta)	--	0.0001	ND
Endosulfan Sulfate	--	0.0001	ND
Endrin Aldehyde	--	0.0001	ND
EPTC	--	0.0001	ND
Fluoranthene	--	0.0001	ND
Fluorene	--	0.00005	ND
Heptachlor	0.0004	0.00003	ND
Hexachlorobenzene	0.001	0.00005	ND
Hexachlorocyclopentadiene	0.05	0.00005	ND
Indeno(1,2,3-cd)Pyrene	--	0.00005	ND
Isophorone	--	0.0005	ND
Malathion	--	0.0001	ND
Metolachlor	--	0.00005	ND
Metribuzin	--	0.00005	ND
Molinate	--	0.0001	ND
Naphthalene	--	0.0003	ND
trans-Nonachlor	--	0.00005	ND
Parathion	--	0.0001	ND
Pendimethalin	--	0.0001	ND
Permethrin	--	0.0001	ND
Phenanthrene	--	0.00004	ND
Propachlor	--	0.00005	ND
Pyrene	--	0.00005	ND
Simazine	0.004	0.00005	ND
Terbacil	--	0.0001	ND
Terbutylazine	--	0.0001	ND
Thiobencarb	--	0.0002	ND
Trifluralin	--	0.0001	ND
EPA 531.2:			
Aldicarb (TEMIK)	--	0.0005	ND
Aldicarb sulfone	--	0.0005	ND
Aldicarb sulfoxide	--	0.0005	ND
Baygon (PROPOXUR)	--	0.0005	ND
Carbaryl	--	0.0005	ND
Carbofuran (FURADAN)	0.04	0.0005	ND
3-Hydroxycarbofuran	--	0.0005	ND
Methiocarb	--	0.0005	ND
Methomyl	--	0.0005	ND
Oxamyl (VYDATE)	0.2	0.0005	ND
EPA 547:			
Glyphosate	0.7	0.006	ND
EPA 548.1:			
Endothall	0.1	0.005	ND
EPA 549.2:			
Diquat	0.02	0.0004	ND
Paraquat	--	0.002	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	CALLAWAY BLUE BOREHOLE 1022-712, 1022-664 (mg/L)
EPA 1613: 2,3,7,8-TCDD (DIOXIN)	3x10 ⁻⁸	5.0x10 ⁻⁹	ND
Disinfection Byproducts 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
Miscellaneous EPA 331.0:			
Perchlorate	--	0.0005	ND
Miscellaneous EPA 200.7:			
Silica	--	0.5	13

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.

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).