

Informational Water Quality Report

Watercheck w/PO

Client:

Ordered By:
Crystal Quest 2130 NE Park Way Suite I Marietta, GA 30067 ATTN: Mike Sigari



6571 Wilson Mills Rd
Cleveland, Ohio 44143
1-800-458-3330

Sample Number: 803839

Location: Multi Stage

Type of Water: City Water

Collection Date and Time: 1/5/2009 17:20

Received Date and Time: 1/6/2009 10:15

Date Completed: 1/16/2009

Definition and Legend

This informational water quality report compares the actual test result to national standards as defined in the EPA's Primary and Secondary Drinking Water Regulations.

Primary Standards: Are expressed as the maximum contaminant level (MCL) which is the highest level of contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary standards: Are non-enforceable guidelines regulating contaminants that may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water. Individual states may choose to adopt them as enforceable standards.


Action levels: Are defined in treatment techniques which are required processes intended to reduce the level of a contaminant in drinking water.


mg/L (ppm): Unless otherwise indicated, results and standards are expressed as an amount in milligrams per liter or parts per million.


Minimum Detection Level (MDL): The lowest level that the laboratory can detect a contaminant.


ND: The contaminant was not detected above the minimum detection level.

NA: The contaminant was not analyzed.

 The contaminant was not detected in the sample above the minimum detection level.

 The contaminant was detected at or above the minimum detection level, but below the standard.

 The contaminant was detected above the standard, which is not an EPA enforceable MCL.

 The contaminant was detected above the EPA enforceable MCL.

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
Microbiologicals					
✓	Total Coliform by P/A	Total Coliform bacteria was ABSENT in this sample.			
Inorganic Analytes - Metals					
✓	Aluminum	ND	mg/L	0.2	EPA Secondary 0.1
✓	Arsenic	ND	mg/L	0.01	EPA Primary 0.005
✓	Barium	ND	mg/L	2	EPA Primary 0.30
✓	Cadmium	ND	mg/L	0.005	EPA Primary 0.002
●	Calcium	13.0	mg/L	--	2.0
✓	Chromium	ND	mg/L	0.1	EPA Primary 0.010
✓	Copper	ND	mg/L	1.3	EPA Action Level 0.004
✓	Iron	ND	mg/L	0.3	EPA Secondary 0.020
✓	Lead	ND	mg/L	0.015	EPA Action Level 0.002
●	Magnesium	1.90	mg/L	--	0.10
✓	Manganese	ND	mg/L	0.05	EPA Secondary 0.004
✓	Mercury	ND	mg/L	0.002	EPA Primary 0.001
✓	Nickel	ND	mg/L	--	0.02
✓	Selenium	ND	mg/L	0.05	EPA Primary 0.020
✓	Silver	ND	mg/L	0.1	EPA Secondary 0.002
●	Sodium	11	mg/L	--	1
●	Zinc	0.130	mg/L	5	EPA Secondary 0.004
Physical Factors					
●	Alkalinity (Total)	34	mg/L	--	20
●	Hardness	40	mg/L	100	NTL Internal 10
✓	pH	8.2	pH Units	6.5 to 8.5	EPA Secondary
●	Total Dissolved Solids	79	mg/L	500	EPA Secondary 20
✓	Turbidity	ND	NTU	1	EPA Action Level 0.1
Inorganic Analytes - Other					
●	Chloride	12.0	mg/L	250	EPA Secondary 5.0

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
✓	Fluoride	ND	mg/L	4	EPA Secondary 0.5
●	Nitrate as N	1.5	mg/L	10	EPA Primary 0.5
✓	Nitrite as N	ND	mg/L	1	EPA Primary 0.5
●	Sulfate	18.0	mg/L	250	EPA Secondary 5.0
Organic Analytes - Trihalomethanes					
✓	Bromodichloromethane	ND	mg/L	--	0.002
✓	Bromoform	ND	mg/L	--	0.004
●	Chloroform	0.003	mg/L	--	0.002
✓	Dibromochloromethane	ND	mg/L	--	0.004
●	Total THMs	0.003	mg/L	0.08	EPA Primary 0.002
Organic Analytes - Volatiles					
✓	1,1,1,2-Tetrachloroethane	ND	mg/L	--	0.002
✓	1,1,1-Trichloroethane	ND	mg/L	0.2	EPA Primary 0.001
✓	1,1,2,2-Tetrachloroethane	ND	mg/L	--	0.002
✓	1,1,2-Trichloroethane	ND	mg/L	0.005	EPA Primary 0.002
✓	1,1-Dichloroethane	ND	mg/L	--	0.002
✓	1,1-Dichloroethene	ND	mg/L	0.007	EPA Primary 0.001
✓	1,1-Dichloropropene	ND	mg/L	--	0.002
✓	1,2,3-Trichlorobenzene	ND	mg/L	--	0.002
✓	1,2,3-Trichloropropane	ND	mg/L	--	0.002
✓	1,2,4-Trichlorobenzene	ND	mg/L	0.07	EPA Primary 0.002
✓	1,2-Dichlorobenzene	ND	mg/L	0.6	EPA Primary 0.001
✓	1,2-Dichloroethane	ND	mg/L	0.005	EPA Primary 0.001
✓	1,2-Dichloropropane	ND	mg/L	0.005	EPA Primary 0.002
✓	1,3-Dichlorobenzene	ND	mg/L	--	0.001
✓	1,3-Dichloropropane	ND	mg/L	--	0.002
✓	1,4-Dichlorobenzene	ND	mg/L	0.075	EPA Primary 0.001
✓	2,2-Dichloropropane	ND	mg/L	--	0.002

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
✓	2-Chlorotoluene	ND	mg/L	--		0.001
✓	4-Chlorotoluene	ND	mg/L	--		0.001
✓	Benzene	ND	mg/L	0.005	EPA Primary	0.001
✓	Bromobenzene	ND	mg/L	--		0.002
✓	Bromomethane	ND	mg/L	--		0.002
✓	Carbon Tetrachloride	ND	mg/L	0.005	EPA Primary	0.001
✓	Chlorobenzene	ND	mg/L	0.1	EPA Primary	0.001
✓	Chloroethane	ND	mg/L	--		0.002
✓	Chloromethane	ND	mg/L	--		0.002
✓	cis-1,2-Dichloroethene	ND	mg/L	0.07	EPA Primary	0.002
✓	cis-1,3-Dichloropropene	ND	mg/L	--		0.002
✓	DBCP	ND	mg/L	--		0.001
✓	Dibromomethane	ND	mg/L	--		0.002
✓	Dichlorodifluoromethane	ND	mg/L	--		0.002
✓	Dichloromethane	ND	mg/L	0.005	EPA Primary	0.002
✓	EDB	ND	mg/L	--		0.001
✓	Ethylbenzene	ND	mg/L	0.7	EPA Primary	0.001
✓	Methyl Tert Butyl Ether	ND	mg/L	--		0.004
✓	Styrene	ND	mg/L	0.1	EPA Primary	0.001
✓	Tetrachloroethene	ND	mg/L	0.005	EPA Primary	0.002
✓	Toluene	ND	mg/L	1	EPA Primary	0.001
✓	trans-1,2-Dichloroethene	ND	mg/L	0.1	EPA Primary	0.002
✓	trans-1,3-Dichloropropene	ND	mg/L	--		0.002
✓	Trichloroethene	ND	mg/L	0.005	EPA Primary	0.001
✓	Trichlorofluoromethane	ND	mg/L	--		0.002
✓	Vinyl Chloride	ND	mg/L	0.002	EPA Primary	0.001
✓	Xylenes (Total)	ND	mg/L	10	EPA Primary	0.001

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
Organic Analytes - Others					
✓	2,4-D	ND	mg/L	0.07 EPA Primary	0.010
✓	Alachlor	ND	mg/L	0.002 EPA Primary	0.001
✓	Aldrin	ND	mg/L	--	0.002
✓	Atrazine	ND	mg/L	0.003 EPA Primary	0.002
✓	Chlordane	ND	mg/L	0.002 EPA Primary	0.001
✓	Dichloran	ND	mg/L	--	0.002
✓	Dieldrin	ND	mg/L	--	0.001
✓	Endrin	ND	mg/L	0.002 EPA Primary	0.0001
✓	Heptachlor	ND	mg/L	0.0004 EPA Primary	0.0004
✓	Heptachlor Epoxide	ND	mg/L	0.0002 EPA Primary	0.0001
✓	Hexachlorobenzene	ND	mg/L	0.001 EPA Primary	0.0005
✓	Hexachlorocyclopentadiene	ND	mg/L	0.05 EPA Primary	0.001
✓	Lindane	ND	mg/L	0.0002 EPA Primary	0.0002
✓	Methoxychlor	ND	mg/L	0.04 EPA Primary	0.002
✓	PCB	ND	mg/L	0.0005 EPA Primary	0.0005
✓	Pentachloronitrobenzene	ND	mg/L	--	0.002
✓	Silvex 2,4,5-TP	ND	mg/L	0.05 EPA Primary	0.005
✓	Simazine	ND	mg/L	0.004 EPA Primary	0.002
✓	Toxaphene	ND	mg/L	0.003 EPA Primary	0.001
✓	Trifluralin	ND	mg/L	--	0.002

We certify that the analyses performed for this report are accurate, and that the laboratory test were conducted by methods approved by the U.S. Environmental Protection Agency or variations of these EPA methods.

These test results are intended to be used for informational purposes only and may not be used for regulatory compliance.

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