

Informational Water Quality Report

Watercheck w/PO

 **National Testing
Laboratories, Ltd.**

Quality Water Analysis

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

Client:

Atmospheric Water Systems
189 Cross Street
Suite 110
San Luis Obispo, CA 93401

Sample Number: 808574

Location: DH9NFS

Type of Water: Treated/Filtered in Home
Collection Date and Time: 9/23/2009 16:00
Received Date and Time: 9/24/2009 09:00
Date Completed:

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
Inorganic Analytes - Other					
✓	Chloride	ND	mg/L	250 EPA Secondary	5.0
✓	Fluoride	ND	mg/L	4 EPA Primary	0.5
✓	Nitrate as N	ND	mg/L	10 EPA Primary	0.5
✓	Nitrite as N	ND	mg/L	1 EPA Primary	0.5
✓	Ortho Phosphate	ND	mg/L	—	2.0
✓	Sulfate	ND	mg/L	250 EPA Secondary	5.0
Organic Analytes - Trihalomethanes					
✓	Bromodichloromethane	ND	mg/L	—	0.002
✓	Bromoform	ND	mg/L	—	0.004
✓	Chloroform	ND	mg/L	—	0.002
✓	Dibromochloromethane	ND	mg/L	—	0.004
✓	Total THMs	ND	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

Status	Contaminant	Results	Units	National Standards	Min. Detection Level
✓	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
✓	2-Chlorotoluene	ND	mg/L	--	0.001
✓	4-Chlorotoluene	ND	mg/L	--	0.001
✓	Acetone	ND	mg/L	--	0.01
✓	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
✓	Methyl-Ethyl Ketone	ND	mg/L	--	0.01
✓	Styrene	ND	mg/L	0.1 EPA Primary	0.001
✓	Tetrachloroethene	ND	mg/L	0.005 EPA Primary	0.002
✓	Tetrahydrofuran	ND	mg/L	--	0.01
✓	Toluene	ND	mg/L	1 EPA Primary	0.001
✓	trans-1,2-Dichloroethene	ND	mg/L	0.1 EPA Primary	0.002

Status	Contaminant	Results	Units	National Standards		Min. Detection Level
✓	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
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

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	ND	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	ND	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	-		0.020
●	Potassium	11.2	mg/L	-		1.0
✓	Selenium	ND	mg/L	0.05	EPA Primary	0.020
✓	Silica	ND	mg/L	-		1.00
✓	Silver	ND	mg/L	0.1	EPA Secondary	0.002
●	Sodium	2	mg/L	-		1
✓	Zinc	ND	mg/L	5	EPA Secondary	0.004

Physical Factors

●	Alkalinity (Total)	30	mg/L	-		20
✓	Hardness	ND	mg/L	100	NTL Internal	10
✓	pH	7.0	pH Units	6.5 to 8.5	EPA Secondary	
●	Total Dissolved Solids	32	mg/L	500	EPA Secondary	20
●	Turbidity	0.1	NTU	1	EPA Action Level	0.1

Status Contaminant

Results

Units

National Standards

Min. Detection Level

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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