

Informational Water Quality Report

Watercheck



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

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|----------------|
| Client: |
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|--|
| Ordered By: |
| Van Diest, Martin J 680 Wild Rose Circle Palmer, AK 99645 ATTN: Martin J. Van Diest |

Sample Number: 812829

Location: Kitchen, 680 Wildrose, Palmer, AK

Type of Water: Well Water

Collection Date and Time: 6/3/2010 09:00

Received Date and Time: 6/4/2010 09:50

Date Completed: 6/14/2010

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 not above the referenced standard.

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

 The contaminant was detected above the EPA enforceable MCL.

 These results may be invalid.

| 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 | 6.4 | mg/L | -- | 2.0 |
| ✓ | Chromium | ND | mg/L | 0.1 | EPA Primary 0.010 |
| ● | Copper | 0.017 | 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 | 0.70 | 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 | ND | mg/L | -- | 1.0 |
| ✓ | Selenium | ND | mg/L | 0.05 | EPA Primary 0.020 |
| ● | Silica | 13.500 | mg/L | -- | 0.100 |
| ✓ | Silver | ND | mg/L | -- | 0.002 |
| ● | Sodium | 352 | mg/L | -- | 1 |
| ● | Zinc | 0.029 | mg/L | 5 | EPA Secondary 0.004 |
| Physical Factors | | | | | |
| ● | Alkalinity (Total) | 280 | mg/L | -- | 20 |
| ● | Hardness | 19 | mg/L | 100 | NTL Internal 10 |
| ✓ | pH | 7.0 | pH Units | 6.5 to 8.5 | EPA Secondary |
| ▲ | Total Dissolved Solids | 850 | mg/L | 500 | EPA Secondary 20 |
| ✓ | Turbidity | ND | NTU | -- | 0.1 |

| Status | Contaminant | Results | Units | National Standards | | Min. Detection Level |
|---|---------------------------|---------|-------|--------------------|---------------|----------------------|
| Inorganic Analytes - Other | | | | | | |
|  | Chloride | 260.0 | mg/L | 250 | EPA Secondary | 5.0 |
|  | Fluoride | ND | mg/L | 4 | EPA Primary | 0.5 |
|  | Nitrate as N | 3.9 | 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 | 49.0 | 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 |

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.

National Testing Laboratories, Ltd.

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