

# Informational Water Quality Report

## Watercheck w/PO

**Client:**

Eric Svenonius  
11550 Old Castle Road  
Valley Center, CA 92082

**Ordered By:**

Fain Drilling & Pump Co. Inc.  
12029 Old Castle Road  
Valley Center, CA 92082  
ATTN: Travis Sego



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

Sample Number: 917746

Location: Old Castle Road, Grove Well

Type of Water: Well Water

Collection Date and Time: 1/4/2021 9:15 AM

Received Date and Time: 1/5/2021 9:25 AM

Date Completed: 1/18/2021

P.O. 2934

## 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 and E.coli were ABSENT in this sample. |       |                    |                  |                      |
| Inorganic Analytes - Metals |                             |   |       |                    |                  |                      |
| ✓                           | Aluminum                    | ND  | mg/L  | 0.2                | EPA Secondary    | 0.1                  |
| ✓                           | Arsenic                     | ND  | mg/L  | 0.010              | EPA Primary      | 0.005                |
| ✓                           | Barium                      | ND  | mg/L  | 2                  | EPA Primary      | 0.30                 |
| ✓                           | Cadmium                     | ND  | mg/L  | 0.005              | EPA Primary      | 0.002                |
| ●                           | Calcium                     | 260.7   | mg/L  | --                 |                  | 2.0                  |
| ✓                           | Chromium                    | ND  | mg/L  | 0.1                | EPA Primary      | 0.010                |
| ●                           | Copper                      | 0.004   | mg/L  | 1.3                | EPA Action Level | 0.004                |
| ●                           | Iron                        | 0.045   | mg/L  | 0.3                | EPA Secondary    | 0.020                |
| ✓                           | Lead                        | ND  | mg/L  | 0.015              | EPA Action Level | 0.002                |
| ●                           | Lithium                     | 0.021   | mg/L  | --                 |                  | 0.001                |
| ●                           | Magnesium                   | 183.75  | 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                   | 5.5   | mg/L  | --                 |                  | 1.0                  |
| ✓                           | Selenium                    | ND  | mg/L  | 0.05               | EPA Primary      | 0.020                |
| ●                           | Silica                      | 63.3  | mg/L  | --                 |                  | 0.1                  |
| ✓                           | Silver                      | ND  | mg/L  | 0.100              | EPA Secondary    | 0.002                |
| ●                           | Sodium                      | 281   | mg/L  | --                 |                  | 1                    |
| ●                           | Strontium                   | 0.758   | mg/L  | --                 |                  | 0.001                |
| ●                           | Uranium                     | 0.024   | mg/L  | 0.030              | EPA Primary      | 0.001                |
| ✓                           | Zinc                        | ND  | mg/L  | 5                  | EPA Secondary    | 0.004                |
| Physical Factors            |                             |   |       |                    |                  |                      |
| ●                           | Alkalinity (Total as CaCO3) | 270   | mg/L  | --                 |                  | 20                   |
| ▲                           | Hardness                    | 1400  | mg/L  | 100                | NTL Internal     | 10                   |

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| ✓                                  | pH                        | 7.0     | pH Units | 6.5 to 8.5         | EPA Secondary    |                      |
| ▲                                  | Total Dissolved Solids    | 2300    | mg/L     | 500                | EPA Secondary    | 20                   |
| ●                                  | Turbidity                 | 0.3     | NTU      | 1.0                | EPA Action Level | 0.1                  |
| Inorganic Analytes - Other         |                           |         |          |                    |                  |                      |
| ✓                                  | Bromide                   | ND      | mg/L     | --                 |                  | 0.5                  |
| ▲                                  | Chloride                  | 400.0   | mg/L     | 250                | EPA Secondary    | 5.0                  |
| ✓                                  | Fluoride                  | ND      | mg/L     | 4.0                | EPA Primary      | 0.5                  |
| +                                  | Nitrate as N              | 29.0    | 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                   | 870.0   | 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     | 0.080              | 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                |

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|--------|-------------------------|---------|-------|--------------------|-------------|----------------------|
| ✓      | 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                |
| ✓      | 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                |

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| ✓                         | 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                |
| ✓                         | 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                |
| ✓                         | 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                |
| ✓                         | Total PCBs                | ND      | mg/L  | 0.0005             | EPA Primary | 0.0005               |

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| ✓      | 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 tests 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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