

Annual Drinking Water Quality Report for 2017

Town of Greenport

600 Town Hall Drive, Hudson, NY 12534

Greenport South Wells (Public Water Supply Identification Number NY1000238)

Mt. Ida for Columbia Country WD#1 (Public Water Supply Identification Number NY1030073)

INTRODUCTION

To comply with State regulations, the Town of Greenport will be annually issuing a report describing the quality of your drinking water. The purpose of this report is to raise your understanding of drinking water and awareness of the need to protect our drinking water sources. Last year, your drinking water met all State drinking water health standards. This report is a snapshot of last year's water quality. Included are details about where your water comes from, what it contains, and how it compares to New York State standards. Our constant goal is and always has been, to provide to you a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment process and to protect our water resources. If you have any questions concerning this report or concerning your drinking water please contact: *Mr. John E. Mokszycki, Water & Wastewater Superintendent, Town of Greenport Water Department, 600 Town Hall Drive, Hudson, NY 12534; Telephone # (518) 828-3400.* For questions concerning the Mt. Ida Water System please contact: *Mr. Robert Pinto, Facilities Supervisor, 401 State Street, Hudson, NY 12534, Telephone # (518) 828-0871.* We want our valued customers to be informed about their water utility. If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the 1st Wednesday of each month, 7:00 PM at the Greenport Town Hall, Town Hall Drive, Hudson, NY 12534. Telephone number (518) 828-4656

WHERE DOES OUR WATER COME FROM?

The Town of Greenport draws its water from a ground water source. Groundwater or well water is stored below the surface of the earth in deep, porous rocks called "aquifers." Groundwater is purified naturally as it filters through layers of soil, clay, rock and sand. This process, known as "percolation" takes years to complete. As a result, groundwater requires less treatment than surface water. Greenport's main source of water derives from a 6-acre parcel of land located along Kashway Creek, known as the South Wells. At this site there are four drilled wells, approximately 300 feet deep, producing approximately 1,200 gallons per minute. The Fountain Head source located along NYS Route 23B has been removed from service. We also own 71 acres of property purchased from Andrew Wyda that connects to the six acre parcel where the South Wells are located. The property extends west from the South Wells property to Middle Road. The property was purchased for future well development and to protect the South Wells source.

Gaseous chlorine is added to the water, which is used for disinfection to protect against contamination from harmful bacteria and other organisms. We utilize a device called a "chlorinator" consisting of a combination of pressure reducing valves and mechanical diaphragms for measuring the rate of flow of the chlorine gas, and making an aqueous solution of the gas so it can be injected into the water. Chlorine is injected into a 9,000 gallon storage pit into which the well pumps discharge. When a well pump is called for, water from the discharge end of the pump creates a vacuum, drawing chlorine from the "chlorinator" which is connected to a 100-pound chlorine cylinder. This water is discharged into the pump pit and then into the distribution system and subsequently pumped to the 2 million gallon bubble tank, the Joslen Boulevard Tank (170,000 gallons) and the Ravish Road tank (1.3 million gallons) through the low level transfer pumps. The storage tank located at Ten Broeck Lane (145,000) gallons has been out of service. Two booster pump stations have been added to service customers that were previously serviced by the Ten Broeck Lane high level pumps. The Mt. Ida water system which uses a source located in North Claverack along Route 9H on 65 acres has been upgraded to serve the Commerce Park only. Although run as a separate system, it is connected to Greenport's main supply, so that in an emergency either source can be utilized. The same method is used to add the gaseous chlorine as is used for the South Wells. Chlorine is added to the water as it is pumped into the 3000 gallon pressure tank. The chlorinated water is then pumped into the distribution system.

In general, the sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs and wells. As water travels over the surface of the land or through the ground, it

dissolves naturally-occurring minerals and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activities. Contaminants that may be present in source water include microbial contaminants; inorganic contaminants; pesticides and herbicides; organic chemical contaminants; and radioactive contaminants. In order to ensure that tap water is safe to drink, the State and EPA prescribe regulations, which limit the amount of certain contaminants in water, provided by public water systems. The State Health Department's and the FDA's regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

FACTS AND FIGURES

The Greenport Public Water Supply provides water through 1,253 service connections to a population of approximately 4,400 people. Our average daily demand is 645,700 gallons. Our single highest day was 1,054,000 gallons. In 2017 the South Wells System pumped 235,696,000 gallons of water and 204,575,983 gallons of water were recorded as metered usage by customers. As a result, 13.2% or 31,120,017 gallons was lost in the transmission and distribution system. This unaccounted water was used for fire fighting purposes, distribution system leaks and unauthorized use. The charge for water within the Town of Greenport Water District for 2017 is \$2.53/1000 gallons. For a \$200,000 home using 36,000 gallons/year the water bill would be \$375.37

The Mt. Ida System provides water through 21 service connections to a population of approximately 450 people. Our average daily demand is 18,100 gallons. Our single highest day was 30,000 gallons. In 2017 the Mt. Ida System pumped 6,606,500 gallons of water.

ARE THERE CONTAMINANTS IN OUR DRINKING WATER?

In accordance with State regulations, the Greenport Public Water Supply routinely monitors your drinking water for numerous contaminants. We test your drinking water for inorganic contaminants, radiological contaminants, lead and copper, nitrate, haloacetic acids, trihalomethanes volatile organic contaminants, and synthetic organic contaminants. In addition, we test (4 samples from the South Wells and 1 sample from Mt. Ida) for coliform bacteria each month. The table presented below depicts which contaminants were detected in your drinking water. The State allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old. For a listing of the parameters we analyzed that were not detected along with the frequency of testing, for compliance with the NYS Sanitary Code, see Appendix A.

It should be noted that all drinking water, including bottled drinking water, may be reasonably expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily pose a health risk. More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791) or the New York State Department of Health or the Columbia County Health Department (518) 828-3358.

WHAT DOES THIS INFORMATION MEAN?

As you can see by the tables on pages 4 and 5, the Greenport South Wells and Mt. Ida System had no violations. We have learned through our monitoring and testing that some contaminants have been detected; however, these compounds were detected below New York State requirements. MCL's are set at very stringent levels. To understand the possible health effects described for many regulated contaminants, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

IS OUR WATER SYSTEM MEETING OTHER RULES THAT GOVERN OPERATIONS?

During 2017, our system was in compliance with applicable State drinking water operating, monitoring and reporting requirements.

DO I NEED TO TAKE SPECIAL PRECAUTIONS?

Although our drinking water met or exceeded state and federal regulations, some people may be more vulnerable to disease causing microorganisms or pathogens in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice from their health care provider about their drinking water. EPA/CDC guidelines on appropriate means to lessen the risk of infection by Cryptosporidium, Giardia and other microbiological pathogens are available from the Safe Drinking Water Hotline (800-426-4791).

INFORMATION ON LEAD

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The Town of Greenport is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>

WHAT IS THE SOURCE WATER ASSESSMENT PROGRAM (SWAP)?

To emphasize the protection of surface and ground water sources used for public drinking water, Congress amended the Safe Drinking Water Act (SDWA) in 1996. The amendments require that New York State Department of Health's Bureau of Public Water Supply Protection is responsible for ensuring that source water assessments are completed for all of New York's public water systems.

A source water assessment provides information on the potential contaminant threats to public drinking water sources:

- ◆ each source water assessment will: determine where water used for public drinking water comes from (delineate the source areas)
 - ◆ Inventory potential sources of contamination that may impact public drinking water sources
 - ◆ Assess the likelihood of a source water area becoming potential contaminated
- A SWAP summary for our water supply is attached to this report.

WATER CONSERVATION TIPS

The Greenport Public Water Supply encourages water conservation. There are a lot of things you can do to conserve water in your own home. Conservation tips include:

- ◆ Only run the dishwasher and clothes washer when there is a full load
- ◆ Use water saving showerheads
- ◆ Water gardens and lawn for only a couple of hours after sunset
- ◆ Install faucet aerators in the kitchen and the bathroom to reduce the flow from 4 to 2.5 gallons per minute
- ◆ Check faucets, pipes and toilets for leaks and repair all leaks promptly
- ◆ Take shorter showers

CAPITAL IMPROVEMENTS

In 2017, we replaced 2,000 feet of 6-inch main with 12-inch ductile iron main and 9 feet of 8-inch main from Dutch Village Trailer Park to Bridge Street on Rt. 66 union Turnpike.

CLOSING

Thank you for allowing us to continue providing your family with clean, quality water this year. In order to maintain a safe and dependable water supply we sometimes need to make improvements that will benefit our customers. We ask that all our customers help us protect our water sources. Please call our office if you have questions.

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants (sample data 4/5/17 unless otherwise noted)						
Arsenic	N	1.3	ppb	N/A	10	Naturally occurring
Chloride	N	85.8	ppm	N/A	250	Geology; Naturally occurring
Copper (samples from 8/19-8/23/17)	N	0.12 ¹	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Range of copper concentrations		ND-0.24				Erosion of natural deposits
Fluoride	N	120	ppb	N/A	2200	Geology; Naturally occurring
Iron	N	447 ²	ppb	N/A	300	Corrosion of household plumbing systems; erosion of natural deposits
Lead (samples from 8/19-8/23/17)	N	2 ³	ppb	0	AL=15	Geology; Naturally occurring
Range of lead concentrations		ND-10				Discharge from steel/metal factories
Manganese	N	133 ³	ppb	N/A	300	
Nickel	N	2.5	ppb	N/A	100	
pH	N	7.21	units		6.5-8.5	
Sodium ⁴	N	39.4	ppm	N/A	N/A	Geology; Road Salt
Sulfate	N	110	ppm	N/A	250	Geology;
Zinc	N	7.5	ppb	N/A	5000	Galvanized pipe; corrosion inhibitor
Microbiological Results						
Total Coliform (sample from 5/3/17)	N	1 positive sample	N/A	0	2 or more positive samples in 1 month	Naturally present in the environment
E. coli (sample from 5/3/17)	N	1 positive sample	N/A	0	See footnote ⁵	Human and animal fecal material in water
Disinfection Byproducts (samples from 9/2/15)						
THM[Total Trihalomethanes]	N	63.9	ppb	0	80	By-product of drinking water chlorination
HAA5 [Haloacetic Acids]	N	12	ppb	N/A	60	By-product of drinking water chlorination
Chlorine (average)	N	0.36	ppm	MRDLG	MRDL	Used in the treatment and disinfection of drinking water
Range of chlorine residuals (based on daily testing)		0.01-0.78		N/A	4	

NOTES-

- The level presented represents the 90th percentile of 20 test sites. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the copper values detected at your water system. In this case, 20 samples were collected at your water system and the 90th percentile value was the 18th sample with the third highest value (level detected 0.15 mg/l). The action level for copper was not exceeded at any of the sites tested.
- If iron and manganese are both present a total concentration of 500 ppb. Higher levels may be allowed by the when justified by the supplier of water.
- The level presented represents the 90th percentile of 20 test sites. The action level for lead was not exceeded at any of the 20 sites tested.
- Water containing more than 20 mg/l should not be consumed by persons on severely restricted sodium diets
- A violation occurs when a total coliform positive sample is positive for *E. Coli* and a repeat total coliform sample is positive or when a total coliform positive sample is negative for *E. Coli* but a repeat total coliform sample is positive and the sample is also positive for *E. Coli*.

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

90th Percentile Value- The values reported for lead and copper represent the 90th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90th percentile is equal to or greater than 90% of the lead and copper values detected at your water system

Action Level - the concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements, which a water system must follow.

Maximum Contaminant Level - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

Maximum Residual Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

Maximum Residual Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination

N/A-Not applicable

MT. IDA TABLE OF DETECTED CONTAMINANTS Public Water Supply Identification Number NY1030073						
Contaminant	Violation Y/N	Level Detecte d	Unit Measurement	MCLG	MCL	Likely Source of Contamination
Inorganic Contaminants (sample data from 4/5/17 unless otherwise noted)						
Barium	N	77.7	ppb	2000	2000	Geology; Naturally occurring
Chloride	N	44.6	ppm	N/A	250	Geology; Naturally occurring
Chromium	N	2.3	ppb	100	100	Erosion of natural deposits
Copper (samples from 7/9/17)	N	049 ^a	ppm	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Range of copper concentrations		0.06-0.88				
Lead	N	9.5 ^a ND-17	ppb	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits
Nickel	N	1.8	ppb	N/A	100	Discharge from steel/metal factories
Nitrate (as Nitrogen)	N	2.42	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits.
pH	N	7.49	units		6.5-8.5	
Sodium ¹	N	26.9	ppm	N/A	N/A	Geology; Road Salt
Sulfate	N	44	ppm	N/A	250	Geology;
Zinc	N	13.8	ppb	N/A	5000	Naturally occurring
Disinfection Byproducts (samples from 9/2/15)						
Chlorine (average)	N	0.69	ppm	MRDLG	MRDL	Used in the treatment and disinfection of drinking water
Range of chlorine residuals (based on daily samples)		0.004-1.17		N/A	4	
THM[Total Trihalomethanes]	N	15.5	ppb	0	80	By-product of drinking water chlorination
HAA5 [Haloacetic Acids]	N	4.5	ppb	N/A	60	By-product of drinking water chlorination
NOTES-						
1. The level presented represents the 90th percentile of the 5 samples collected. The number represents the average of the two highest levels detected. The action level for copper was not exceeded at any of the 5 sites tested.						
2. The level presented represents the 90th percentile of the 5 samples collected. The number represents the average of the two highest levels detected. The action level for lead was not exceeded at any of the 5 sites tested.						
3. Water containing more than 20 mg/l should not be consumed by persons on severely restricted sodium diets.						
<i>Non-Detects (ND)</i> - laboratory analysis indicates that the constituent is not present.						
<i>Parts per million (ppm) or Milligrams per liter (mg/l)</i> - one part per million corresponds to one minute in two years or a single penny in \$10,000.						
<i>Parts per billion (ppb) or Micrograms per liter</i> - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.						
<i>90th Percentile Value</i> - The values reported for lead and copper represent the 90 th percentile. A percentile is a value on a scale of 100 that indicates the percent of a distribution that is equal to or below it. The 90 th percentile is equal to or greater than 90% of the lead and copper values detected at your water system						
<i>Action Level</i> - the concentration of a contaminant, which, if exceeded, triggers treatment, or other requirements, which a water system must follow.						
<i>Maximum Contaminant Level</i> - The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.						
<i>Maximum Contaminant Level Goal</i> The "Goal" (MCLG) is the level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.						
<i>Maximum Residual Disinfectant Level (MRDL)</i> : The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.						
<i>Maximum Residual Disinfectant Level Goal (MRDLG)</i> : The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contamination						
<i>N/A-Not applicable</i>						

Appendix A

New York State Sanitary Code Compliance Monitoring Requirements- Compounds Analyzed that were Below Limits of Detection

TOWN OF GREENPORT TEST RESULTS-SOUTH WELLS
Public Water Supply Identification Number NY1000238

CONTAMINANT	MONITORING FREQUENCY	CONTAMINANT	CONTAMINANT	MONITORING FREQUENCY
Asbestos	Every 9 years; 3/4/15 Non-Detect	Benzene	POC's (Volatile Organic Compounds) Trans-1,3-Dichloropropene	
Antimony	Monitoring requirement is 1 sample every 3 years Waiver from DOH	Bromobenzene	Ethylbenzene	Monitoring requirement is one sample every six years Waiver from DOH
Beryllium		Bromochloromethane	Hexachlorobutadiene	
Cadmium		Bromomethane	Isopropylbenzene	
	Sample from 4/5/17	N-Butylbenzene	p-Isopropyltoluene	Sample from 4/5/17
		sec-Butylbenzene	Methylene Chloride	
		Tert-Butylbenzene	n-Propylbenzene	
Mercury	Non-Detect	Carbon Tetrachloride	Styrene	Non-Detect
Silver		Chlorobenzene	1,1,1,2-Tetrachloroethane	
Selenium		2-Chlorotoluene	1,1,2,2-Tetrachloroethane	
Iron		4-Chlorotoluene	Tetrachloroethene	
Manganese		Dibromomethane	Toluene	
		1,2-Dichlorobenzene	1,2,3-Trichlorobenzene	
		1,3-Dichlorobenzene	1,2,4-Trichlorobenzene	
	Monitoring requirement is at State discretion Waiver from DOH	1,4-Dichlorobenzene	1,1,1-Trichloroethane	Non-Detect
		Dichlorodifluoromethane	1,1,2-Trichloroethane	
		1,1-Dichloroethane	Trichloroethene	
		1,2-Dichloroethane	Trichlorofluoromethane	
		1,1 Dichloroethene	1,2,3-Trichloropropane	
		cis-1,2 Dichloroethene	1,2,4-Trimethylbenzene	
		Trans-1,2-Dichloroethene	1,3,5-Trimethylbenzene	
		1,2 Dichloropropane	m-Xylene	
		1,3 Dichloropropane	o- Xylene	
		2,2 Dichloropropane	p-Xylene	
	Sample from 4/5/17	1,1 Dichloropropene	Vinyl Chloride	
		Cis-1,3-Dichloropropene	MTBE	
	Non-Detect	E. coli		Non- Detect 4 samples/ month
Disinfection Byproducts		Radiological Parameters		
		Gross Alpha-Beta Scan	4/5/17	Monitoring is 1 sample every 6- 9 years
Turbidity	N/A	Radium 226	N/A	Non-Detect
Synthetic Organic Chemicals (Group I)		Synthetic Organic Chemicals (Group II)		
Alachlor	Aldicarb	Aldrin	Benzo(a)pyrene	Monitoring requirement is 1 sample every 18 months; Sample from 9/20/17
Aldicarb Sulfoxide	Aldicarb Sulfone	Butachlor	Carbaryl	
Atrazine	Carbofuran	Dalapon	Di(2-ethylhexyl)adipate	
Chlordane	Dibromochloropropane	Di(2-ethylhexyl)phthalate	Dicamba	Non-Detect *State waiver does not require monitoring these compounds
2,4-D	Endrin	Dieldrin	Dinoseb	
Ethylene Dibromide	Heptachlor	Diquat	Endothall	
Lindane	Methoxychlor	Glyphosate	Hexachlorobenzene	Non-Detect *State waiver does not require monitoring these compounds
PCB's	Toxaphene	Hexachlorocyclopentadiene	3-Hydroxycarbofuran	
2,4,5-TP (Silvex)		Methomyl	Metolachlor	
		Metribuzin	Oxamyl vydate	
		Picloram	Propachlor	
		Simazine	2,3,7,8-TCDD (Dioxin)*	

Greenport WD No. 1
NY1000238
Source Water Assessment Summary

The NYSDOH has completed a source water assessment for this source, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from 4-drilled wells. The source water assessment has rated these wells as having high to very high susceptibility to microbials, industrial solvents, nitrates and other industrial contaminants. The wells yield or pump greater than 100 gpm from an unconfined aquifer. Please note that our water is disinfected to ensure that the finished water delivered into your home meets the New York State's drinking water standards for microbial contamination.

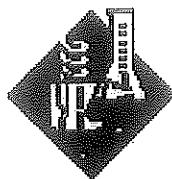
County and state health departments will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.

Mount Ida
NY1030073
Source Water Assessment Summary

The NYSDOH has completed a source water assessment for this source, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from a caisson well. The source water assessment has rated this well as having medium to high susceptibility to microbials, nitrates, industrial solvents, and other industrial contaminants. The well draws from an unconfined aquifer with high hydraulic conductivity. Please note that our water is disinfected to ensure that the finished water delivered into your home meets the New York State's drinking water standards for microbial contamination.

County and State health departments will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.



JH CONSULTING GROUP, INC

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SAMPLE INFORMATION

Sample ID	JH1702392	Customer Code	0702M
Federal Water Supply Code	NY1030073	DOH	Columbia Amy Schober
Water Supply	Town of Greenport, Mt Ida		
Address	Town Hall Drive , Hudson , NY , 12534		
Sample Location	Entry Point		
Dates Collected	4/5/2017		
Sample Collector	Fred Fuchs		
Date Printed	1/25/2018		
Date Entered	5/4/2017		

LABORATORY REPORT

ANALYTE	CONCENTRATION pCi/L	Test method	Date Analyzed	MCL *	NYS LAB #
Gross Alpha, total	U 0.488	EPA 900.0	5/3/2017	15 (including Radium 226 but excluding radon and uranium)	10888
Gross Alpha, total, error, +/-	1.27				
Gross Alpha, total, LLD	2.89			(Beta particle and photon radioactivity	
Gross Beta, total		EPA 900.0		Four millirems per year as the annual dose equivalent to the total body or any internal organ. Health Dept. to determine concentration capable of producing four millirems per year)	
Gross Beta, total, error, +/-					
Gross Beta, total, LLD					
Radium 226, total					
Radium 226, total, error +/-					
Carrier Recovery 226					
Radium 226, total, LLD					
Radium 228, total				5 (combined Radium 226 & 228)	
Radium 228, total, error +/-					
Carrier Recovery 228					
Radium 228, total, LLD					

Notes:

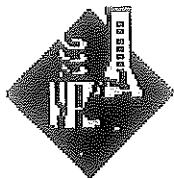
U = Indicates the compound was analyzed for but not detected above the detection limit

MD- LLD over-range due to high solids content

NT= Not Tested

The above test procedures meet all the requirements of NELAC and relate only to this sample

pCi/L= picocuries per liter
ND = Not detected at level in limits column
LLD = Lower limit of detection



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LABORATORY REPORT

Sample ID	JH1702393	Customer Code	0702
Federal Water Supply Code	NY1000238	DOH	Columbia
Water Supply	Town of Greenport Water Department		
Address	Town Hall Drive, Hudson, NY 12534		
Sample Location	Treatment Plant, South Wells, Entry Point, Faucet		
Date Collected	4/5/2017	Time Collected	7:50 AM
Sample Collector	Fred Fuchs		
Date Printed	1/25/2018		
Date Entered	4/21/2017		

Part V Table 8D Inorganic Chemicals & Physical Characteristics

Table 8D	CONCENTRATION mg/L	Time analyzed	MCL	METHOD	Date analyzed	NYS Lab
SECONDARY INORGANIC STANDARDS						
Chloride	85.8		250.0	EPA 300.0	4/7/2017	10121
Iron	0.447		0.3	EPA 200.7	4/13/2017	11549
Manganese	0.133		0.3	EPA 200.7	4/13/2017	11549
Silver	<0.0010			EPA 200.8	4/13/2017	11549
Sodium	39.4		see note	EPA 200.7	4/13/2017	11549
Sulfate	110		250.0	EPA 300.0	4/11/2017	10121
Zinc	0.0075		5.0	EPA 200.7	4/13/2017	11549
Color (units)	<5.0		15 units	SM2120B	4/7/2017	10121
Odor	No Odor		3 units	SM2150B	4/20/2017	10121
pH*	7.64	13:25	6.5-8.5 units	SM4500-H B	4/5/2017	11799
Temperature, celsius	11					

Note: Water containing more than 20 mg/l sodium should not be used for drinking by people on severely restricted sodium diets.
Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.
*As of 4/1/12, pH is no longer a state certified analysis.



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

LABORATORY REPORT

Sample ID JH1702393 Customer Code 0702
Federal Water Supply Code NY1000238 DOH Columbia
Water Supply Town of Greenport Water Department
Address Town Hall Drive, Hudson, NY 12534
Sample Location Treatment Plant, South Wells, Entry Point, Faucet
Date Collected 4/5/2017 Time Collected 7:50 AM
Sample Collector Fred Fuchs
Date Printed 1/25/2018
Date Entered 4/21/2017

Part V Table 8B Inorganic Chemicals & Physical Characteristics

Table 8B

ANALYTE	CONCENTRATION mg/L	MCL	METHOD	Date analyzed	NYS Lab
Arsenic	0.0013	0.01	EPA 200.8	4/13/2017	11549
Barium	0.0463	2.00	EPA 200.8	4/13/2017	11549
Cadmium	<0.0010	0.005	EPA 200.8	4/13/2017	11549
Chromium	0.0021	0.10	EPA 200.8	4/13/2017	11549
Mercury	<0.00020	0.002	EPA 245.1	4/13/2017	11549
Selenium	<0.0051	0.05	EPA 200.8	4/13/2017	11549
Fluoride	<0.10	2.2	EPA 300.0	4/7/2017	10121

	mg/L	MCL	METHOD	Date analyzed	NYS Lab
Antimony	<0.0004	0.006	EPA 200.8	4/13/2017	11549
Beryllium	<0.0003	0.004	EPA 200.8	4/13/2017	11549
Nickel	<0.0005	0.1	EPA 200.8	4/13/2017	11549
Thallium	<0.0003	0.002	EPA 200.8	4/13/2017	11549
Cyanide	<0.0250	0.2	EPA 335.4	4/10/2017	10795

Table 8C

	mg/L	set up time	MCL	METHOD	Date analyzed	NYS Lab
Nitrate ^o	<0.23	12:00	10 mg/l as N	Hach 10206	4/6/2017	11799
Nitrite	NT		1 mg/l as N	SM18-4500-NO2 B		



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NEWTONVILLE, NY 12128
(518) 785-9839

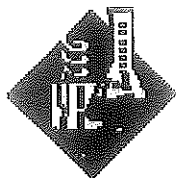
Sample ID	JH1707684	Customer Code	0702
Federal Water Supply Code	NY1000238	DOH	Columbia Amy
Water Supply	Town of Greenport Water Department		
Address	Town Hall Drive , Hudson , NY , 12534		
Sample Location	Entry Point		
Date Collected	9/20/2017	Time Collected	7:35 AM
Sample Collector	James Rutkey		
Date Printed	1/25/2018		
Date Entered	10/5/2017		

Laboratory Report
SYNTHETIC ORGANIC CHEMICALS Table 9C

EPA 525.2	NYS Lab 11549	Date Analyzed 9/28/2017
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ANALYTE	CONCENTRATION ug/L	MCL *
Alachlor	<0.200	2.0
Aldrin	<0.100	5.0
Atrazine	<0.100	3.0
Benzo(a)pyrene	<0.020	0.2
Di (2-ethylhexyl) adipate	<0.600	50.0
Di (2-ethylhexyl) phthalate	<0.600	6.0
Butachlor	<0.100	50.0
Endrin	See EPA 505	2.0
Heptachlor	<0.040	0.4
Heptachlor epoxide	<0.020	0.2
Hexachlorobenzene	<0.100	1.0
Hexachlorocyclopentadiene	<0.100	5.0
Lindane	<0.020	0.2
Methoxychlor	<0.100	40.0
Metolachlor	<0.100	50.0
Metribuzin	<0.100	50.0
Propachlor	<0.100	50.0
Simazine	<0.070	4.0
Dieldrin	See EPA 505	5.0

Notes



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

Sample ID JH1707684 Customer Code 0702
Federal Water Supply Code NY1000238
Water Supply Town of Greenport Water Department
Sample Location Entry Point
Date Collected 9/20/2017 Time Collected 7:35 AM
Sample Collector James Rutkey
Date Printed 1/25/2018

SYNTHETIC ORGANIC CHEMICALS

METHYL CARBAMATE PESTICIDES EPA 531.2

Date Analyzed 9/29/2017

ANALYTE	Concentration µg/L	NYS Lab 11549	MCL *
Aldicarb	<0.500		3
Aldicarb Sulfone	<0.800		2
Aldicarb Sulfoxide	<0.500		4
Carbofuran	<0.900		40
Oxamyl	<2.00		50
Methomyl	<0.500		50
3-Hydroxy Carbofuran	<0.500		50
Carbaryl	<0.500		50

MICROEXTRACTABLES EPA 504.1

Concentration µg/L

NYS Lab 11549

Date analyzed 9/28/2017

1,2-dibromoethane (EDB)	<0.0100	0.05
1,2-dibromo-3-chloropropane	<0.0100	0.20

CHLORINATED ACIDS EPA 515.3

CONCENTRATION µg/L

NYS Lab 11549

Date analyzed 9/29/2017

2,4-D	<0.100	50.0
Dalapon	<1.00	50.0
Dicamba	<0.100	50.0
Dinoseb	<0.200	7.0
Pentachlorophenol	<0.0400	1.0
Picloram	<0.100	1.0
2,4,5-TP	<0.200	10.0

Notes

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JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

Sample ID	JH1707684	Customer Code	0702
Federal Water Supply Code	NY1000238		
Water Supply	Town of Greenport Water Department		
Sample Location	Entry Point		
Date Collected	9/20/2017	Time Collected	7:35 AM
Sample Collector	James Rutkey		
Date Printed	1/25/2018		

SYNTHETIC ORGANIC CHEMICALS

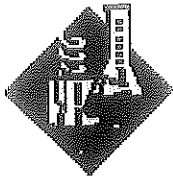
Organohalide Pesticides & PCB's	EPA 505	NYS Lab 11549
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ANALYTE	CONCENTRATION ug/L	MCL *	Date analyzed 9/28/17
PCBs as Aroclors (screen)			
Aroclor 1016	<0.0800	0.5	
Aroclor 1221	<20.0	0.5	
Aroclor 1232	<0.500	0.5	
Aroclor 1242	<0.300	0.5	
Aroclor 1248	<0.100	0.5	
Aroclor 1254	<0.100	0.5	
Aroclor 1260	<0.100	0.5	
Chlordane Total	<0.200	2.0	
Toxaphene	<1.00	3.0	
Aldrin	See EPA 525	5.0	
Endrin	<0.0100	2.0	
Heptachlor	See EPA 525	0.4	
Heptachlor epoxide	See EPA 525	0.2	
Hexachlorobenzene	See EPA 525	1.0	
Hexachlorocyclopentadiene	See EPA 525	5.0	
Lindane	See EPA 525	0.2	
Methoxychlor	See EPA 525	40.0	
Dieldrin	<0.0200	5.0	

Note: If one of the Aroclors is detected, then the value will be noted. Otherwise, Absence, Presence will be noted

Notes

The above test procedures meet all the requirements of NELAC and refer only to these samples



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

LABORATORY REPORT

Sample ID JH1702391 Customer Code 0702M
Federal Water Supply Code NY1030073 DOH Columbia
Water Supply Town of Greenport, Mt Ida
Address Town Hall Drive , Hudson , NY 12534
Sample Location Village Dodge, Faucet
Date Collected 4/5/2017 Time Collected 8:50 AM
Sample Collector Fred Fuchs
Date Printed 1/25/2018
Date Entered 4/21/2017

Part V Table 8B Inorganic Chemicals & Physical Characteristics

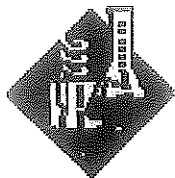
Table 8B

ANALYTE	CONCENTRATION mg/L	MCL	METHOD	Date analyzed	NYS Lab
Arsenic	<0.0010	0.01	EPA 200.8	4/13/2017	11549
Barium	0.0777	2.00	EPA 200.8	4/13/2017	11549
Cadmium	<0.0010	0.005	EPA 200.8	4/13/2017	11549
Chromium	0.0023	0.10	EPA 200.8	4/13/2017	11549
Mercury	<0.00020	0.002	EPA 245.1	4/13/2017	11549
Selenium	<0.0051	0.05	EPA 200.8	4/13/2017	11549
Fluoride	<0.10	2.2	EPA 300.0	4/7/2017	10121

	mg/L	MCL	METHOD	Date analyzed	NYS Lab
Antimony	<0.0004	0.006	EPA 200.8	4/13/2017	11549
Beryllium	<0.0003	0.004	EPA 200.8	4/13/2017	11549
Nickel	<0.0005	0.1	EPA 200.8	4/13/2017	11549
Thallium	<0.0003	0.002	EPA 200.8	4/13/2017	11549
Cyanide	<0.0250	0.2	EPA 335.4	4/10/2017	10795

Table 8C

	mg/L	set up time	MCL	METHOD	Date analyzed	NYS Lab
Nitrate°	2.42	12:00	10 mg/l as N	Hach 10206	4/6/2017	11799
Nitrite	NT		1 mg/l as N	SM18-4500-NO2 B		



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

page 1 of 2

LABORATORY REPORT

Sample ID	JH1702391	Customer Code	0702M
Federal Water Supply Code	NY1030073	DOH	Columbia
Water Supply	Town of Greenport, Mt Ida		
Address	Town Hall Drive	Hudson, NY	12534
Sample Location	Village Dodge, Faucet		
Date Collected	4/5/2017	Time Collected	8:50 AM
Sample Collector	Fred Fuchs		
Date Printed	1/25/2018		
Date Entered	4/21/2017		

Part V Table 8D Inorganic Chemicals & Physical Characteristics

Table 8D	CONCENTRATION mg/L	Time analyzed	MCL	METHOD	Date analyzed	NYS Lab
SECONDARY INORGANIC STANDARDS						
Chloride	44.6		250.0	EPA 300.0	4/7/2017	10121
Iron	<0.0102		0.3	EPA 200.7	4/13/2017	11549
Manganese	<0.0020		0.3	EPA 200.7	4/13/2017	11549
Silver	<0.0010			EPA 200.8	4/13/2017	11549
Sodium	26.9		see note	EPA 200.7	4/13/2017	11549
Sulfate	44.0		250.0	EPA 300.0	4/11/2017	10121
Zinc	0.0138		5.0	EPA 200.7	4/13/2017	11549
Color (units)	<5.0		15 units	SM2120B	4/7/2017	10121
Odor	No Odor		3 units	SM2150B	4/20/2017	10121
pH*	7.49	13:20	6.5-8.5 units	SM4500-H B	4/5/2017	11799
Temperature, celsius	10					

Note: Water containing more than 20 mg/l sodium should not be used for drinking by people on severely restricted sodium diets.
Water containing more than 270 mg/l of sodium should not be used for drinking by people on moderately restricted sodium diets.
*As of 4/1/12, pH is no longer a state certified analysis.

FIRST DRAW LEAD MONITORING RESULTS

Date Printed 1/25/2018

<u>SAMPLE ID</u>	<u>WATER SUPPLY</u>	<u>CUSTOMER NAME</u>	<u>ADDRESS</u>	<u>DATE COLLECTED</u>	<u>HOURS OF NON USE</u>	<u>LEAD</u>	<u>Date Analyzed Lead</u>
1706781	Town of Greenport Water Department	72 Maple Ave		8/19/2017	6.25	<0.001	8/30/17
1706782	Town of Greenport Water Department	307 Maryanne Ave		8/19/2017	8.25	<0.001	8/30/17
1706783	Town of Greenport Water Department	64 Hickory Lane		8/21/2017	8	<0.001	8/30/17
1706784	Town of Greenport Water Department	303 Washington Blvd		8/22/2017	14	<0.001	8/30/17
1706785	Town of Greenport Water Department	5 Hartwell Ave		8/18/2017	6	<0.001	8/30/17
1706786	Town of Greenport Water Department	9 Becraft Ave		8/18/2017	11.5	<0.001	8/30/17
1706787	Town of Greenport Water Department	2 Green Acres Rd		8/16/2017	14.5	<0.001	8/30/17
1706788	Town of Greenport Water Department	9 Janis St		8/23/2017	8.75	<0.001	8/30/17
1706790	Town of Greenport Water Department	5 Greenport Parkway		8/21/2017	8	<0.001	8/30/17
1706791	Town of Greenport Water Department	29 Hickory Ln		8/20/2017	9.5	<0.001	8/30/17
1706792	Town of Greenport Water Department	461 Joslen Blvd		8/23/2017	7.25	<0.001	8/30/17
1706793	Town of Greenport Water Department	4 Wontman Sq		8/22/2017	8	<0.001	8/30/17
1706794	Town of Greenport Water Department	56 Hickory Ln		8/22/2017	11.75	<0.001	8/30/17
1706795	Town of Greenport Water Department	32 Janis St		8/21/2017	11	<0.001	8/30/17
1706796	Town of Greenport Water Department	218 Joslen Blvd		8/18/2017	7.5	<0.001	8/30/17
1706777	Town of Greenport Water Department	5 Cedar Parkway		8/18/2017	9.5	0.001	8/30/17
1706778	Town of Greenport Water Department	3 Hartwell Ave		8/22/2017	7	0.002	8/30/17
1707209	Town of Greenport Water Department	60 Hickory Ln		8/23/2017	12	0.002	9/11/17
1706779	Town of Greenport Water Department	87 Maple Ave		8/21/2017	7	0.004	8/30/17
1706780	Town of Greenport Water Department	77 Maple Ave		8/19/2017	9	0.010	8/30/17

LEAD VALUES ARRANGED IN ASCENDING ORDER

90th PERCENTILE LEAD CONCENTRATION	(HIGHLIGHTED IN YELLOW)	If value is (greater than) >0.015 mg/l the Action Level is Exceeded If value is (less than or equal to) ≤0.015 mg/l you are in Compliance
------------------------------------	-------------------------	--

ies for lead and copper are in mg/L
lysis performed for JH Consulting Group, Inc by NYS Lab 10350 , The above test procedures meet all the requirements of NELAC and relate only to these samples

FIRST DRAW COPPER MONITORING RESULTS

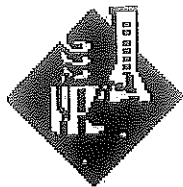
Date Printed 1/25/2018

<u>SAMPLE ID</u>	<u>WATER SUPPLY</u>	<u>CUSTOMER NAME</u>	<u>ADDRESS</u>	<u>DATE COLLECTED</u>	<u>HOURS OF NON USE</u>	<u>COPPER</u>	<u>DATE ANALYZED</u>
1706790	Town of Greenport Water Department	5 Greenport Parkway		8/21/2017	8	<0.02	9/7/17
1706783	Town of Greenport Water Department	64 Hickory Lane		8/21/2017	8	0.02	9/7/17
1706779	Town of Greenport Water Department	87 Maple Ave		8/21/2017	7	0.03	9/4/17
1706781	Town of Greenport Water Department	72 Maple Ave		8/19/2017	6.25	0.03	9/7/17
1706791	Town of Greenport Water Department	29 Hickory Ln		8/20/2017	9.5	0.04	9/7/17
1706782	Town of Greenport Water Department	307 Maryanne Ave		8/19/2017	8.25	0.05	9/7/17
1706780	Town of Greenport Water Department	77 Maple Ave		8/19/2017	9	0.06	9/4/17
1706787	Town of Greenport Water Department	2 Green Acres Rd		8/16/2017	14.5	0.06	9/7/17
1707209	Town of Greenport Water Department	60 Hickory Ln		8/23/2017	12	0.06	9/13/17
1706778	Town of Greenport Water Department	3 Hartwell Ave		8/22/2017	7	0.07	9/4/17
1706793	Town of Greenport Water Department	4 Wontman Sq		8/22/2017	8	0.07	9/7/17
1706784	Town of Greenport Water Department	303 Washington Blvd		8/22/2017	14	0.08	9/7/17
1706788	Town of Greenport Water Department	9 Janis St		8/23/2017	8.75	0.08	9/7/17
1706792	Town of Greenport Water Department	461 Joslen Blvd		8/23/2017	7.25	0.08	9/7/17
1706794	Town of Greenport Water Department	56 Hickory Ln		8/22/2017	11.75	0.08	9/7/17
1706777	Town of Greenport Water Department	5 Cedar Parkway		8/18/2017	9.5	0.09	9/4/17
1706796	Town of Greenport Water Department	218 Joslen Blvd		8/18/2017	7.5	0.09	9/7/17
1706795	Town of Greenport Water Department	32 Janis St		8/21/2017	11	0.12	9/7/17
1706785	Town of Greenport Water Department	5 Hartwell Ave		8/18/2017	6	0.20	9/7/17
1706786	Town of Greenport Water Department	9 Becraft Ave		8/18/2017	11.5	0.24	9/7/17

Copper VALUES ARRANGED IN ASCENDING ORDER

90th PERCENTILE COPPER CONCENTRATION	(HIGHLIGHTED IN YELLOW)	If value is (greater than) >1.3 mg/l the Action Level is Exceeded If value is (less than or equal to) ≤1.3 mg/l you are in Compliance
--------------------------------------	-------------------------	--

res for lead and copper are in mg/L
 ysis performed for JH Consulting Group, Inc by NYS Lab 10350 , The above test procedures meet all the requirements of NELAC and relate only to these samples



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

SAMPLE ID# JH1702394

PUBLIC WATER SUPPLY Town of Greenport Water Department

ADDRESS Town Hall Drive Hudson NY 12534

SAMPLE LOCATION Treatment Plant, South Wells, Entry Point, Faucet

DATE COLLECTED 4/5/2017

TIME COLLECTED 7:50 AM

SAMPLER Fred Fuchs

SUPPLY CODE 0702

FEDERAL ID# NY1000238

DOH Columbia Amy

E-mail GPWS1@MHCable.com

Date Printed 1/25/2018

Volatile Organic Chemical Analysis EPA Method 524.2 Table 9B NYS Lab 10350 Date Analyzed 4/12/2017

PARAMETER	CONCENTRATION UG/L	MCL	PARAMETER	CONCENTRATION UG/L	MCL
BENZENE	<0.5	5	2,2-DICHLOROPROPANE	<0.5	5
BROMOBENZENE	<0.5	5	1,1-DICHLOROPROPENE	<0.5	5
BROMOCHLOROMETHANE	<0.5	5	1,3-DICHLOROPROPENE (TOTAL)	<0.5	5
BROMOMETHANE	<0.5	5	ETHYLBENZENE	<0.5	5
N-BUTYLBENZENE	<0.5	5	HEXACHLOROBUTADIENE	<0.5	5
SEC-BUTYLBENZENE	<0.5	5	ISOPROPYLBENZENE	<0.5	5
TERT-BUTYLBENZENE	<0.5	5	P-ISOPROPYLTOLUENE	<0.5	5
CARBON TETRACHLORIDE	<0.5	5	METHYLENE CHLORIDE	<0.5	5
CHLOROBENZENE	<0.5	5	N-PROPYLBENZENE	<0.5	5
CHLOROETHANE	<0.5	5	STYRENE	<0.5	5
CHLOROMETHANE	<0.5	5	1,1,1,2-TETRACHLOROETHANE	<0.5	5
2-CHLOROTOLUENE	<0.5	5	1,1,2,2-TETRACHLOROETHANE	<0.5	5
4-CHLOROTOLUENE	<0.5	5	TETRACHLOROETHENE	<0.5	5
DIBROMOMETHANE	<0.5	5	TOLUENE	<0.5	5
1,2-DIBROMOETHANE	<0.5	5	1,2,3-TRICHLOROBENZENE	<0.5	5
1,2-DICHLOROBENZENE	<0.5	5	1,2,4-TRICHLOROBENZENE	<0.5	5
1,3-DICHLOROBENZENE	<0.5	5	1,1,1-TRICHLOROETHANE	<0.5	5
1,4-DICHLOROBENZENE	<0.5	5	1,1,2-TRICHLOROETHANE	<0.5	5
DICHLORDIFLUOROMETHANE	<0.5	5	TRICHLOROETHENE	<0.5	5
1,1-DICHLOROETHANE	<0.5	5	TRICHLOROFLUOROMETHANE	<0.5	5
1,2-DICHLOROETHANE	<0.5	5	1,2,3-TRICHLOROPROPANE	<0.5	5
1,1-DICHLOROETHENE	<0.5	5	1,2,4-TRIMETHYLBENZENE	<0.5	5
CIS-1,2-DICHLOROETHENE	<0.5	5	1,3,5-TRIMETHYLBENZENE	<0.5	5
TRANS-1,2-DICHLOROETHENE	<0.5	5	VINYL CHLORIDE	<0.5	2
1,2-DICHLOROPROPANE	<0.5	5	M-XYLENE	<0.5	5
1,3-DICHLOROPROPANE	<0.5	5	O-XYLENE	<0.5	5
Methyl Tert Butyl Ether	<0.5	10	P-XYLENE	<0.5	5

Notes The surrogate recoveries of 4-Bromofluorobenzene and 1,2-Dichlorobenzene-d4 for this sample were within acceptance limits at 96 and 96% respectively. The acceptance limits are 80-120%.
Temperature outside specifications

The accompanying trip blank was found to be less than the required detection limit for POC/VOC
MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

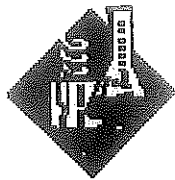
Sample ID	JH1707683	Customer Code	0702M
Federal Water Supply Code	NY1030073	DOH	Columbia Amy
Water Supply	Town of Greenport, Mt Ida		
Address	Town Hall Drive , Hudson , NY , 12534		
Sample Location	Entry Point		
Date Collected	9/20/2017	Time Collected	8:36 AM
Sample Collector	James Rutkey		
Date Printed	1/25/2018		
Date Entered	10/5/2017		

Laboratory Report
SYNTHETIC ORGANIC CHEMICALS Table 9C

<u>EPA 525.2</u>	NYS Lab 11549	Date Analyzed 9/28/2017
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ANALYTE	CONCENTRATION ug/L	MCL *
Alachlor	<0.200	2.0
Aldrin	<0.100	5.0
Atrazine	<0.100	3.0
Benzo(a)pyrene	<0.020	0.2
Di (2-ethylhexyl) adipate	<0.600	50.0
Di (2-ethylhexyl) phthalate	<0.600	6.0
Butachlor	<0.100	50.0
Endrin	See EPA 505	2.0
Heptachlor	<0.040	0.4
Heptachlor epoxide	<0.020	0.2
Hexachlorobenzene	<0.100	1.0
Hexachlorocyclopentadiene	<0.100	5.0
Lindane	<0.020	0.2
Methoxychlor	<0.100	40.0
Metolachlor	<0.100	50.0
Metribuzin	<0.100	50.0
Propachlor	<0.100	50.0
Simazine	<0.070	4.0
Dieldrin	See EPA 505	5.0

Notes



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

Sample ID JH1707683

Customer Code 0702M

Federal Water Supply Code NY1030073

Water Supply Town of Greenport, Mt Ida

Sample Location Entry Point

Date Collected 9/20/2017

Time Collected 8:36 AM

Sample Collector James Rutkey

Date Printed 1/25/2018

SYNTHETIC ORGANIC CHEMICALS

METHYL CARBAMATE PESTICIDES EPA 531.2

Date Analyzed 9/29/2017

ANALYTE	Concentration $\mu\text{g/L}$	NYS Lab 11549	MCL *
Aldicarb	<0.500		3
Aldicarb Sulfone	<0.800		2
Aldicarb Sulfoxide	<0.500		4
Carbofuran	<0.900		40
Oxamyl	<2.00		50
Methomyl	<0.500		50
3-Hydroxy Carbofuran	<0.500		50
Carbaryl	<0.500		50

MICROEXTRACTABLES EPA 504.1

Concentration $\mu\text{g/L}$

NYS Lab 11549

Date analyzed 9/28/2017

1,2-dibromoethane (EDB)	<0.0100	0.05
1,2-dibromo-3-chloropropane	<0.0100	0.20

CHLORINATED ACIDS EPA 515.3

CONCENTRATION $\mu\text{g/L}$

NYS Lab 11549

Date analyzed 9/29/2017

2,4-D	<0.100	50.0
Dalapon	<1.00	50.0
Dicamba	<0.100	50.0
Dinoseb	<0.200	7.0
Pentachlorophenol	<0.0400	1.0
Picloram	<0.100	1.0
2,4,5-TP	<0.200	10.0

Notes

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page 3 of 3



JH CONSULTING GROUP, INC
PO BOX 705
NEWTONVILLE, NY 12128
(518) 785-9839

Sample ID JH1707683 Customer Code 0702M
Federal Water Supply Code NY1030073
Water Supply Town of Greenport, Mt Ida
Sample Location Entry Point
Date Collected 9/20/2017 Time Collected 8:36 AM
Sample Collector James Rutkey
Date Printed 1/25/2018

SYNTHETIC ORGANIC CHEMICALS

Organohalide Pesticides & PCB's EPA 505

NYS Lab 11549

ANALYTE	CONCENTRATION ug/L	MCL *	Date analyzed 9/28/17
PCBs as Aroclors (screen)			
Aroclor 1016	<0.0800	0.5	
Aroclor 1221	<20.0	0.5	
Aroclor 1232	<0.500	0.5	
Aroclor 1242	<0.300	0.5	
Aroclor 1248	<0.100	0.5	
Aroclor 1254	<0.100	0.5	
Aroclor 1260	<0.100	0.5	
Chlordane Total	<0.200	2.0	
Toxaphene	<1.00	3.0	
Aldrin	See EPA 525	5.0	
Endrin	<0.0100	2.0	
Heptachlor	See EPA 525	0.4	
Heptachlor epoxide	See EPA 525	0.2	
Hexachlorobenzene	See EPA 525	1.0	
Hexachlorocyclopentadiene	See EPA 525	5.0	
Lindane	See EPA 525	0.2	
Methoxychlor	See EPA 525	40.0	
Dieldrin	<0.0200	5.0	

Note: If one of the Aroclors is detected, then the value will be noted. Otherwise, Absence, Presence will be noted

Notes

The above test procedures meet all the requirements of NELAC and refer only to these samples

(518) 525-5479, 548C

St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

Columbia Cty Water&Sewer #1

Attn: Bob Pinto
401 State St.
Hudson, NY 12534

Printed On : 7/24/2017

Page 1 of 1

Sample ID: AX09611

Date Received: 07/10/2017

Time Received: 09:38

Date Finalized: 7/24/2017

PO Number:

Your Ref: Mt Ida 5 Sites

Customer: Columbia Cty Water&Sewer #1

Owner: Columbia County

Sample Loc: Almstead

Sample Pt: Outside Hose Bib

Collect Date: 07/09/2017

Collect Time: 15:28

Collected by: JOHN MOKSZYCKI

Receipt Temp: 20 C See Note 1

Water Source:

Chlorinated: No

Field Residual Chlorine:

Potable: Yes

Grab/Comp: Grab

L a b o r a t o r y R e p o r t

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Copper	0.19	1.3		mg/L	SM3111B	MEM	7/17/2017
Lead	0.002	0.015		mg/l	SM3113B	MN	7/13/2017

Qualifiers Key:

X Exceeds maximum contamination limit

T Temperature outside specifications

P Sample preserved at lab

S(+/-) Lab control sample outside acceptance limits

(+ Result may be biased high / - Result may be biased low)

R Duplication outside acceptance limits

A Sample contained air bubble or headspace

Z Analysis is not state-certified

M(+/-) Matrix spike recovery outside acceptance limits

H Hold time exceeded

B Analyte detected in blank

C Incorrect bottle received

Legend: < Less Than, > Greater Than

mg/L=PPM, ug/L=PPB

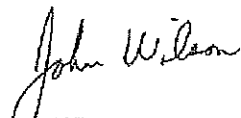
If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level references from New York State Subpart 5-1 of the Public Drinking Water Standards and/or
National Primary/Secondary Drinking Water Standards.

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/COD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

All test results are within acceptable limits. Test procedures for all analyses meet NELAC requirements unless noted. If you have any questions, please call the laboratory.



John Wilson

Environmental Laboratory Supervisor and contact person

If you have questions, please call.

(518) 525-5480 / 5479

New York State DOH E.L.A.P. # 10350

Reviewed by Brian Collins

These results relate to samples as received.

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(518) 525-5479, 5480

St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

Columbia Cty Water&Sewer #1

Attn: Bob Pinto
401 State St.
Hudson, NY 12534

Printed On : 7/24/2017

Page 1 of 1

Sample ID: AX09613
Date Received: 07/10/2017
Time Received: 09:38
Date Finalized: 7/24/2017
PO Number:
Your Ref: Mt Ida 5 Sites

Customer: Columbia Cty Water&Sewer #1
Owner: Columbia County
Sample Loc: Ghent Fire House
Sample Pt: Outside Hose Bib

Collect Date: 07/09/2017
Collect Time: 15:27
Collected by: JOHN MOKSZYCKI
Receipt Temp: 20 C See Note 1

Water Source:
Chlorinated: No Field Residual Chlorine:

Potable: Yes
Grab/Comp: Grab

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Copper	0.88	1.3		mg/L	SM3111B	MEM	7/17/2017
Lead	0.017	0.015	X	mg/l	SM3113B	MN	7/13/2017

Qualifiers Key:

X Exceeds maximum contamination limit

T Temperature outside specifications

P Sample preserved at lab

S(+/-) Lab control sample outside acceptance limits

(+ Result may be biased high / - Result may be biased low)

R Duplication outside acceptance limits

A Sample contained air bubble or headspace

Z Analysis is not state-certified

M(+/-) Matrix spike recovery outside acceptance limits

H Hold time exceeded

B Analyte detected in blank

C Incorrect bottle received

Legend: < Less Than, > Greater Than

mg/L=PPM, ug/L=PPB

If no collection time was given, 00:00 is reported

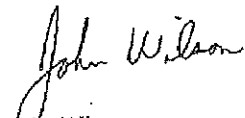
MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards.

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

LEAD: The test result for lead is above acceptable limits.

Test procedures for all analyses meet NELAC requirements unless noted. If you have any questions, please call the laboratory.



John Wilson
Environmental Laboratory Supervisor and contact person
If you have questions, please call.
(518) 525-5480 / 5479

Reviewed by Brian Collins

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New York State DOH E.L.A.P. # 10350

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(518) 525-5479, 5480 St. Peter's Hospital Environmental Laboratory

19 Warehouse Row, Albany, NY 12205

Columbia Cty Water&Sewer #1Attn: Bob Pinto
401 State St.
Hudson, NY 12534

Printed On: 7/24/2017

Page 1 of 1

Sample ID: AX09618
Date Received: 07/10/2017
Time Received: 09:38
Date Finalized: 7/24/2017
PO Number:
Your Ref: Mt Ida 5 SitesCustomer: Columbia Cty Water&Sewer #1
Owner: Columbia County
Sample Loc: Bioforce
Sample Pt: Outside Hose BibCollect Date: 07/09/2017
Collect Time: 15:30
Collected by: JOHN MOKSZYCKI
Receipt Temp: 20 C See Note 1Water Source:
Chlorinated: No Field Residual Chlorine:Potable: Yes
Grab/Ccmp: Grab**Laboratory Report**

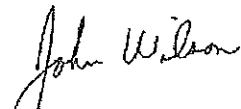
Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Copper	0.07	1.3		mg/L	SM3111B	MEM	7/17/2017
Lead	<0.001	0.015		mg/l	SM3113B	MN	7/13/2017

Qualifiers Key:X Exceeds maximum contamination limit
T Temperature outside specifications
P Sample preserved at lab
S(-/-) Lab control sample outside acceptance limits
(+ Result may be biased high / - Result may be biased low)R Duplication outside acceptance limits
A Sample contained air bubble or headspace
Z Analysis is not state-certified
M(+/-) Matrix spike recovery outside acceptance limitsH Hold time exceeded
B Analyte detected in blank
C Incorrect bottle receivedLegend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported
MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards.

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-8C and not frozen.

Comments:

All test results are within acceptable limits. Test procedures for all analyses meet NELAC requirements unless noted. If you have any questions, please call the laboratory.

John Wilson
Environmental Laboratory Supervisor and contact person
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Columbia Cty Water&Sewer #1

Attn: Bob Pinto
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Hudson, NY 12534

Printed On : 7/24/2017 Page 1 of 1

Sample ID: AX09615
Date Received: 07/10/2017
Time Received: 09:38
Date Finalized: 7/24/2017
PO Number:
Your Ref: Mt Ida 5 Sites

Customer: Columbia Cty Water&Sewer #1
Owner: Columbia County
Sample Loc: NYRWA
Sample Pl: Outside Hose Bib

Collect Date: 07/09/2017
Collect Time: 15:25
Collected by: JOHN MOKSZYCKI
Receipt Temp: 20 C See Note 1

Water Source:
Chlorinated: No Field Residual Chlorine:

Potable: Yes
Grab/Comp: Grab

L a b o r a t o r y R e p o r t

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Copper	0.16	1.3		mg/L	SM3111B	MEM	7/17/2017
Lead	<0.001	0.015		mg/l	SM3113B	MN	7/13/2017

Qualifiers Key:

X Exceeds maximum contamination limit

T Temperature outside specifications

P Sample preserved at lab

S(+/-) Lab control sample outside acceptance limits

(+) Result may be biased high / - Result may be biased low)

R Duplication outside acceptance limits

A Sample contained air bubble or headspace

Z Analysis is not state-certified

M(+/-) Matrix spike recovery outside acceptance limits

H Hold time exceeded

B Analyte detected in blank

C Incorrect bottle received

Legend: < Less Than, > Greater Than

mg/L=PPM, ug/L=PPB

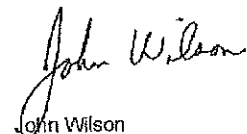
If no collection time was given, 00:00 is reported

MCL = Maximum Contaminant Level referenced from New York State Subpart 5-1 of the Public Drinking Water Standards and/or National Primary/Secondary Drinking Water Standards.

Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance. non-potable bacteriological analyses, BOD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

All test results are within acceptable limits. Test procedures for all analyses meet NELAC requirements unless noted. If you have any questions, please call the laboratory.



John Wilson
Environmental Laboratory Supervisor and contact person
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Reviewed by Brian Collins

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Columbia Cty Water&Sewer #1

Attn: Bob Pinto
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Hudson, NY 12534

Printed On : 7/24/2017 Page 1 of 1
Sample ID: AX09617
Date Received: 07/10/2017
Time Received: 09:38
Date Finalized: 7/24/2017
PO Number:
Your Ref: Mt Ida 5 Sites

Customer: Columbia Cty Water&Sewer #1
Owner: Columbia County
Sample Loc: S+S Fabrication
Sample Pt: Outside Hose Bib

Collect Date: 07/09/2017
Collect Time: 15:35
Collected by: JOHN MOKSZYCKI
Receipt Temp: 20 C See Note 1

Water Source:
Chlorinated: No Field Residual Chlorine:

Palatable: Yes
Grab/Comp: Grab

Laboratory Report

Test	Result	MCL	Qualifiers	Units	Method Used	Analyst	Analysis Date
Copper	0.05	1.3		mg/L	SM3111B	MEM	7/17/2017
Lead	<0.001	0.015		mg/l	SM3113B	MN	7/13/2017

Qualifiers Key:

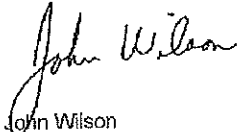
X Exceeds maximum contamination limit	R Duplication outside acceptance limits	H Hold time exceeded
T Temperature outside specifications	A Sample contained air bubble or headspace	B Analyte detected in blank
P Sample preserved at lab	Z Analysis is not state-certified	C Incorrect bottle received
S(+/-) Lab control sample outside acceptance limits	M(+/-) Matrix spike recovery outside acceptance limits	
(+ Result may be biased high / - Result may be biased low)		

Legend: < Less Than, > Greater Than mg/L=PPM, ug/L=PPB If no collection time was given, 00:00 is reported
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Note 1: Per ELAP requirements, water analyzed for alkalinity, color, conductivity, nitrate, nitrite, sulfate, organics, UV absorbance, non-potable bacteriological analyses, BCD/CBOD, solids and phosphorus are required to be on ice to indicate the chilling process has begun. Samples must be between 0-6C and not frozen.

Comments:

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John Wilson

Environmental Laboratory Supervisor and contact person
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(518) 525-5480 / 5479

Reviewed by Brian Collins
These results relate to samples as received.

New York State DOH E.L.A.P. # 10350

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**Greenport WD No. 1
NY1000238
Source Water Assessment Summary**

The NYSDOH has completed a source water assessment for this source, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from 4-drilled wells. The source water assessment has rated these wells as having high to very high susceptibility to microbials, industrial solvents, nitrates and other industrial contaminants. The wells yield or pump greater than 100 gpm from an unconfined aquifer. Please note that our water is disinfected to ensure that the finished water delivered into your home meets the New York State's drinking water standards for microbial contamination.

County and state health departments will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.

**Mount Ida
NY1030073
Source Water Assessment Summary**

The NYSDOH has completed a source water assessment for this source, based on available information. Possible and actual threats to this drinking water source were evaluated. The state source water assessment includes a susceptibility rating based on the risk posed by each potential source of contamination and how easily contaminants can move through the subsurface to the wells. The susceptibility rating is an estimate of the potential for contamination of the source water, it does not mean that the water delivered to consumers is, or will become contaminated. See section "Are there contaminants in our drinking water?" for a list of the contaminants that have been detected. The source water assessments provide resource managers with additional information for protecting source waters into the future.

As mentioned before, our water is derived from a caisson well. The source water assessment has rated this well as having medium to high susceptibility to microbials, nitrates, industrial solvents, and other industrial contaminants. The well draws from an unconfined aquifer with high hydraulic conductivity. Please note that our water is disinfected to ensure that the finished water delivered into your home meets the New York State's drinking water standards for microbial contamination.

County and State health departments will use this information to direct future source water protection activities. These may include water quality monitoring, resource management, planning, and education programs. A copy of the full Source Water Assessment, including a map of the assessment area, is available for review by contacting us at the number provided in this report.