

Glenville ,NY 12302

Printed On : 12/12/2018 Page 1 of 2
Sample ID: AY17998
Date Received: 11/28/2018
Time Received: 15:40
Date Finalized: 12/12/2018
PO Number:
Your Ref:

Customer:
Owner: Not Specified
Sample Loc: Ballston Lake, NY 12019
Sample Pt: Kitchen CWT

Collect Date: 11/28/2018
Collect Time: 12:05
Collected by:
Receipt Temp: 4.1 C on ice chilling

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

Table with 8 columns: Test, Result, MCL, Qualifiers, Units, Method Used, Analyst, Analysis Date. Rows include Total Coliform, Turbidity, pH, Alkalinity, Hardness, Nitrate, Iron, Manganese, Sodium, Lead, Sulfide, Nitrite.

Qualifiers Key:

- X Exceeds maximum contamination limit
T Temperature outside specifications
C(+/-) CCV outside acceptable limits
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
G Incorrect bottle received
P Sample preserved at lab

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:

Sample is NEGATIVE for Total Coliform. This result indicates that the water WAS of a SATISFACTORY sanitary quality when sampled for the contaminants examined. Sample is negative for Escherichia coli. For drinking water samples, any positive result for total coliform and/or Escherichia coli is unacceptable. Sample was NEGATIVE when screened for total residual chlorine in laboratory. Bacteriological sample was set up on 11/28/18 at 16:15.

ALKALINITY: There are no specific limits set for alkalinity since a high value does not render the water unfit for drinking. If the pH is below 8.3 the alkalinity, if any, is due to bicarbonate; if above 8.3, carbonates are also present, though generally in considerably lower quantity than the bicarbonate. Alkalinity values like pH, aid in evaluating corrosive tendencies, but hardness, salt concentration, etc., also affect corrosion. Per ELAP requirements, sample should be completely filled to the exclusion of air.

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EPA300.1: The surrogate recovery for dichloroacetate (DCA) for this sample was within acceptable limits at 102%. The acceptable limits are 90-115%.
HARDNESS: There are no specific levels set for hardness since excessive levels do not render the water unfit for consumption. However, when the level reaches the 120 mg/L plus range, problems with scale deposition on pipes and utensils and in hot water tanks increase. With a value of less than 120 mg/L, water softening is not necessary.
THE IRON PLUS MANGANESE RESULT IS LESS THAN 0.69 mg/L.
NITRATE: Nitrate testing was set up on 11/29/18 at 10:14.
NITRITE: Nitrite set up on 11/29/18 at 13:45.
PHYSICAL CHARACTERISTICS: Turbidity and pH testing were set up on 11/28/18 at 16:56. Hold time for pH testing per ELAP requirements is 15 minutes for all water samples. pH was tested at 12 degrees Celsius. The pH of this water is higher than recommended standards (6.5-8.5 Std. units). This is not necessarily detrimental unless excessive drying of the skin and hair is noticed or the water has a "slippery" feel. If this does occur, an acidifying treatment system can be installed to bring the pH down into the normal range.
SODIUM: The following are suggested limits for those persons on physician ordered sodium restricted diets: Moderately restricted diet---water should contain less than 270 mg/L. Severely restricted diet---water should contain less than 20 mg/L.
SULFIDE: SUB* Sulfide analysis was completed by NYS DOH Lab. #10709. Method used was SM4500S2D-2011.

The turbidity in your water is most likely being caused by colloidal clay and the high iron. Treatment of these problems can be accomplished by an Alum system to remove the clay and either a water softener or oxidizing filter to remove the iron. Test procedures for all analyses meet NELAC requirements unless noted. If you have any questions, please call the laboratory.

Handwritten signature of John Wilson

John Wilson
Environmental Laboratory Supervisor and contact person
If you have questions, please call.
(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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