



Same as Client

**Matrix:** Water

**Client:** Correia Teal

**Sample:** Staso Road

**Location:** Castleton VT 05735

**Phone:** (714) 875-3349

This sample taken by Zoey Teal at 12:40:00 PM on 10/31/2024. . Point of collection: Outside

### Basic Water Test

<u>Analytes</u>	<u>Results</u>	<u>Accredited Method</u>	<u>EPA Limits</u>
<b><u>Bacteria</u></b>			
Total Coliform	Present	SOP #111 based on SM 9223B	0
E. Coli	Absent	SOP #111 based on SM 9223B	0
Total Bacteria Count	322 cfu/mL	SOP #119 based on SM 9215B	500 cfu/mL
<b><u>Mineral Chemistry</u></b>			
Sodium	1.39 mg/L		No Limit
Potassium	0.60 mg/L		No Limit
Copper	Not Detected		1.30 mg/L
Iron	0.01 mg/L		0.30 mg/L
Manganese	0.01 mg/L		0.05 mg/L
Magnesium	2.96 mg/L		No Limit
Calcium	27.82 mg/L		No Limit
Arsenic (Total)	Not Detected		0.010 mg/L
Lead	Not Detected		0.015 mg/L
pH	7.83 SU	SOP #101 based on SM 4500-HB	6.5 - 8.5 SU
Turbidity	0.51 N.T.U.	SOP #115 based on SM 2130B	No Limit
Color	0 C.U.		15.0 C.U.
Odor	Absent		3.0 T.O.N.
Conductivity	191.0 umhos	SOP #103 based on SM 2510B	No Limit
T.D.S.	114.6 mg/L		500.0 mg/L
Sediment	Absent		Present
Alkalinity	85.0 mg/L	SOP #102 based on SM 2320B	No Limit
Chlorine	Not Detected	SOP #114 based on SM 4500-CL-G	4.0 mg/L
Chloride	0.76 mg/L	SOP #125 based on EPA 6500	250.0 mg/L
Hardness	81.7 mg/L		No Limit
Nitrate as Nitrogen	<0.50 mg/L	SOP #125 based on EPA 6500	10.0 mg/L
Nitrite as Nitrogen	Not Detected	SOP #125 based on EPA 6500	1.0 mg/L
Ammonia as Nitrogen	Not Detected		No Limit
Sulfate	10.14 mg/L	SOP #125 based on EPA 6500	250.0 mg/L
Fluoride	<0.10 mg/L	SOP #116 based on SM 4500-F-C	4.0 mg/L
Tannins	Not Detected		No Limit

The integrity of the sample and results are dependent on the quality of sampling. The results apply only to the actual sample tested. Environmental Testing and Research Laboratories shall be held harmless from any liability arising out of the use of such results. Not all analyses were conducted in accordance with Massachusetts Department of Environmental Protection certification standards.



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<u>Analytes</u>	<u>Results</u>	<u>Accredited Method</u>	<u>EPA Limits</u>
Silica	2.43 mg/L		-
<b><u>Radiochemistry</u></b>			
Radon in Water	Not Detected		-
<b><u>Heavy Metals</u></b>			
Antimony	Not Detected		0.006 mg/L
Aluminum	0.01 mg/L		0.05-0.20 mg/L
Barium	0.07 mg/L		2.0 mg/L
Beryllium	Not Detected		0.004 mg/L
Boron	0.01 mg/L		-
Cadmium	Not Detected		0.005 mg/L
Chromium	Not Detected		0.100 mg/L
Mercury	Not Detected		0.002 mg/L
Nickel	Not Detected		0.100 mg/L
Selenium	Not Detected		0.050 mg/L
Silver	Not Detected		0.100 mg/L
Thallium	Not Detected		0.002 mg/L
Zinc	Not Detected		5.0 mg/L
Strontium	1.38 mg/L		-
Lithium	Not Detected		-
Tin	Not Detected		-
Molybdenum	Not Detected		-
Cerium	Not Detected		-
Titanium	Not Detected		-
Vanadium	Not Detected		-
Cobalt	Not Detected		-
Uranium	0.002 mg/L		0.030 mg/L
<b><u>Other Parameters</u></b>			
T. Phosphorus	Not Detected		-

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