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NH ELAP Accreditation #NH1005

NELSON ANALYTICAL LAB

Maine State Certification #NH01005
Vermont State Cerfication # VT1005
Maine Radon Certification # ME17500
Massachusetts State Certification #M-NH1005

RP250606108

Report of Analysis

Customer:	**Advanced Radon Mitigation**	**Date Collected:**	**06/02/2025 12:00 PM**
Client Sample ID:	**298 Piscassic Road**	**Collected By :**	**ARM**
Laboratory ID:	**125060284.01**	**Date Received :**	**06/03/2025 12:00 PM**
Sample Matrix :	**Drilled Well Water**	**Temperature Rec'd °C:**	**#18.5**
Sample Location:	**298 Piscassic Road, Newfields, NH**		

Parameters	Results	Acceptable Level	Units	Date Analyzed	Test Method	Test Type	Test Remarks
Total Coliform Bacteria	Absent	Absent	P-A/100ml	06/03/2025 13:50	SM 9223B	Primary	Within Standard
E. coli Bacteria	Absent	Absent	P-A/100ml	06/03/2025 13:50	SM 9223B	Primary	Within Standard
Nitrate-N	1.3	10	mg/L	06/03/2025 16:20	SM 4500 NO3 D	Primary	Within Standard
Nitrite-N	<0.01	1.0	mg/L	06/03/2025 16:25	SM 4500 NO2B	Primary	Within Standard
Fluoride	<0.20	4.0	mg/L	06/04/2025 10:50	SM 4500F-C	Primary	Within Standard
Arsenic	0.0015	0.0050	mg/L	06/04/2025 03:18	EPA 200.8	Primary	Within Standard
Lead	**0.586**	0.015	mg/L	06/06/2025 13:09	EPA 200.8	Primary	**Outside of Standard**
Copper	**3.75**	1.30	mg/L	06/04/2025 16:45	EPA 200.8	Primary	**Outside of Standard**
Chloride	122	250	mg/L	06/03/2025 12:55	SM 4500Cl-B	Secondary	Within Standard
pH	6.62	6.5-8.5	SU	06/04/2025 09:46	SM 4500H B	Secondary	Within Standard
Iron	0.172	0.300	mg/L	06/04/2025 03:18	EPA 200.8	Secondary	Within Standard
Manganese	<0.010	0.050	mg/L	06/04/2025 03:18	EPA 200.8	Secondary	Within Standard
Conductivity	540	N/A	umhos/cm	06/04/2025 10:35	SM 2510B	N/A	No EPA Limit
Alkalinity	50	N/A	mg/L	06/04/2025 12:20	SM 2320B	N/A	No EPA Limit
Sodium	55	N/A	mg/L	06/04/2025 03:18	EPA 200.8	N/A	No EPA Limit
Total Hardness	100	N/A	mg/L	06/04/2025 03:18	SM 2340B	N/A	No EPA Limit
Uranium	<1	30	ug/L	06/04/2025 03:18	EPA 200.8	Primary	Within Standard
Radon	1710	See Note	pCi/L	06/04/2025 03:56	SM 7500	N/A	No EPA Limit

ARSENIC NOTE: The New Hampshire Department of Environmental Services has established a state Maximum Contaminant Level (MCL) for arsenic of 0.005 mg/L, which took effect on July 1, 2021 for all NH public water systems. The federal EPA Safe Drinking Water Act MCL for arsenic is 0.010 mg/L. More information can be found at https://www.des.nh.gov/

RADON NOTE: There is currently no legal or regulatory limit for radon in water. The EPA has a proposed limit of 4000 pCi/L. Maine and Vermont have recommended limits of 4000 pCi/L, and Massachusetts 10,000 pCi/L. New Hampshire DES recommends treatment for levels above 10,000 pCi/L, or above 2000 pCi/L if Radon in Air levels exceed 4 pCi/L. More information can be found at www.epa.gov/radon.

Test Types: EPA Primary: Regulated by the EPA as a health related parameter
EPA Seconday: Aesthetic parameter - not regarded as a health concern

Respectfully Submitted

Andrew Nelson, Laboratory Director

Notes: mg/L=ppm; ug/L=ppb; ng/L=ppt, "<" denotes "less than". This report of analysis may not be modified in any way, or reproduced except in full, without written approval from Nelson Analytical, LLC. Results reported above relate only to samples as submitted, unless specifically noted otherwise. Nelson Analytical, LLC is currently accredited by the New Hampshire Environmental Lab Accreditation Program, the Vermont Laboratory Accreditation Program, the Massachusetts Laboratory Certification Program, and the Maine Laboratory Accreditation Program. For a list of current accredited tests, please visit the websites listed below. Sampling performed by the lab is according to the lab document "Water Sampling Instructions". EPA standards list pH & Chlorine as field parameters which should be tested immediately upon sample collection. Samples tested for pH after submission are beyond the hold time. Samples will be analyzed as quickly as laboratory operations allow. Metals samples may be analyzed the same day they are received. #-Sample(s) received at laboratory do not meet method specified temperature criteria.
Solid samples are reported on a dry weight basis unless noted otherwise.
For accreditation status at the time of sample analysis, or for information on subcontract laboratories, please contact Nelson Analytical.
Subcontract Laboratories: SUB2: Nelson Analytical Maine NH2018 SUB 7: Nelson Analytical EAI Div. NH1007, SUB3: 2062 SUB4:2073/2239, SUB5:NH2530, SUB8:NH2136,
https://www4.des.state.nh.us/OneStopPub/WSEB/acclab/1005.pdf
http://healthvermont.gov/enviro/ph_lab/PublicHealthLaboratory.aspx
https://www.maine.gov/dhhs/mecdc/environmental-health/dwp/professionals/labCert.shtml
https://www.mass.gov/certified-laboratories

Date Reported: 06/06/2025