



GRANITE STATE ANALYTICAL SERVICES, LLC.

22 Manchester Road, Unit 2, Derry, NH 03038
Phone (800) 699-9920 | (603) 432-3044 website www.granitestateanalytical.com

Laboratory Report

Pennichuck Water Works
25 Walnut St
Nashua, NH 03060

Date Printed: 04/21/2022
Work Order #: 2204-00730
Client Job #:
Date Received: 04/06/2022
Sample collected in: New Hampshire

Attached please find results for the analysis of the samples received on the date referenced above.

Unless otherwise noted in the attached report, the analyses performed met the requirements of the analyzing laboratory's Quality Assurance Plan, Standard Operating Procedures and State Accreditation. This certificate shall not be reproduced, except in full, without the written approval of the analyzing laboratory. The results presented in this report relate to the samples listed on the following pages in the condition in which they were received. Accreditation for each analyte is identified by the * symbol following the analyte name. Location of our analyzing laboratory is identified by the code in the Analyst Column.

A & L Laboratory:

Identified by ME in Analyst Column
155 Center Street, Auburn, Maine 04210
www.allaboratory.com

Granite State Analytical Services LLC:

Identified by NH in Analyst Column
22 Manchester Road, Derry, NH 03038
www.granitestateanalytical.com

ANALYSIS RELATED NOTES:

- RL: "Reporting limit" means the lowest level of an analyte that can be accurately recovered from the matrix of interest.
- A & L Laboratory / Granite State Analytical Services LLC / Nashoba Analytical LLC. accreditation lists can be found on our websites listed above.
- Subcontracted samples will be identified by the Accreditation number of the subcontract laboratory in the analyst field for each analyte and the appropriate laboratory will be listed here. **This report contains data that were produced by a subcontracted laboratory accredited for the fields of testing performed, if available. Accreditation for each analyte is identified by the * symbol following the analyte name.**
ChemServe, 317 Elm St., Milford, NH 03055 Accreditation # 1008
- Data Qualifiers (DQ) Flags provide additional information in regards to the receipt, analysis or quality control of a sample. These are indicated under the DQ Flags Column on your report and listed here if necessary: **Data Qualifier (DQ) Flags: H = Hold time non-compliant.**

SAMPLE STATE SPECIFIC NOTES:

Additional Narrative or Comments: **None**

We appreciate the opportunity to provide you with laboratory services. If you have any questions regarding the enclosed report, please contact the laboratory and we will be happy to assist you.



Donald A. D'Anjou, Ph. D.
Laboratory Director

A & L Laboratory: Accreditations: Maine ME00021, New Hampshire 2501, Maine Radon Registration ID # SPC20
Granite State Analytical Services, LLC: Accreditations: New Hampshire 1015; Maine NH00003;
Massachusetts M-NH0003; Rhode Island 101513; Vermont VT-101507
Nashoba Analytical, LLC: Accreditations: Massachusetts M-MA1118



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DRINKING WATER COMPLIANCE REPORT

DATE PRINTED: 04/21/2022
 SAMPLE ID #: 2204-00730-001
 SAMPLED BY: Farwell, Ronald-PWW

CHEMICAL RESULTS FOR THE 2nd QUARTER 2022
 LAB ID#: 1015

Legend	
Passes	✓
Fails EPA Primary	⊗
Fails EPA Secondary	▽
Fails State Guideline	✕
Attention	⚠

SAMPLE CATEGORY: Routine Sample
 SYSTEM NAME: Sandown North Elementary Sch
 EPA ID#: 2085040
 SYSTEM TOWN: Sandown
 SAMPLE AGENT #: 603-913-2385
 SAMPLE LOCATION: 001 Source Tap in Pumproom /001

DATE & TIME COLLECTED: 04/05/2022 01:00PM
 DATE & TIME RECEIVED: 04/06/2022 09:26AM
 WATER SYS TYPE: Non-Transient, Non-Community
 RECEIPT TEMP: ON ICE 4.1° CELSIUS
 CLIENT JOB #:

BAR CODE: 20220331047-001

Test Description	Results	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
Calcium*	56.7	mg/L			1	No Limit	EPA 200.7	JLR-NH	04/11/2022 12:44PM
Hardness (calc.)*	180	mg CaCO3/L			2	No Limit	EPA 200.7	JLR-NH	04/11/2022 12:44PM
Iron*	<0.01	mg/L	✓		0.01	0.3 mg/L	EPA 200.7	JLR-NH	04/11/2022 12:44PM
Magnesium*	9.4	mg/L			1	No Limit	EPA 200.7	JLR-NH	04/11/2022 12:44PM
Sodium*	8.0	mg/L			1	No Limit	EPA 200.7	JLR-NH	04/11/2022 12:44PM
Antimony*	<0.001	mg/L	✓		0.001	0.006 mg/L	EPA 200.8	DR-NH	04/12/2022 11:00AM
Arsenic*	<0.001	mg/L	✓		0.001	0.005 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Barium*	0.0461	mg/L	✓		0.001	2.00 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Beryllium*	<0.001	mg/L	✓		0.001	0.004 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Cadmium*	<0.001	mg/L	✓		0.001	0.005 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Chromium*	<0.001	mg/L	✓		0.001	0.1 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Copper*	0.0015	mg/L	✓		0.001	1.3 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Manganese*	0.0549	mg/L	▽		0.001	0.05 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Mercury*	<0.0001	mg/L	✓		0.0001	0.002 mg/L	EPA 200.8	DR-NH	04/12/2022 02:52PM
Nickel*	<0.001	mg/L			0.001	No limit	EPA 200.8	DG-NH	04/12/2022 01:42PM
Selenium*	<0.001	mg/L	✓		0.001	0.05 mg/L	EPA 200.8	DR-NH	04/12/2022 11:00AM
Thallium*	<0.001	mg/L	✓		0.001	0.002 mg/L	EPA 200.8	DR-NH	04/12/2022 11:00AM
Zinc*	0.0097	mg/L	✓		0.001	5 mg/L	EPA 200.8	DG-NH	04/12/2022 01:42PM
Chloride*	84	mg/L	✓		2	250 mg/L	EPA 300.0	RS-NH	04/07/2022 04:03PM
Fluoride*	<0.2	mg/L	✓		0.2	4.0 mg/L	EPA 300.0	RS-NH	04/07/2022 04:03PM
Sulfate*	25	mg/L	✓		2	250 mg/L	EPA 300.0	RS-NH	04/07/2022 04:03PM
Total Alkalinity*	70	mg CaCO3/L			5	No Limit	SM 2320B	RS-NH	04/08/2022 10:20AM
Cyanide, Total*	<0.02	mg/L	✓		0.02	0.2 mg/L	SM 4500 CN E	1008	04/13/2022
pH*	7.45	SU	✓	H	N/A	6.5 - 8.5 SU	SM 4500 H B	JLR-NH	04/06/2022 12:46PM



Donald A. D'Anjou

Donald A. D'Anjou, Ph. D.
 Laboratory Director