



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: 04/14/2022
Work Order #: 2204-00735
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. **None**
- 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: None**

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: 04/14/2022
SAMPLE ID #: 2204-00735-001
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
1,1,1,2-Tetrachloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,1,1-Trichloroethane*	<0.5	ug/L	✓		0.5	200 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,1,2,2-Tetrachloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,1,2-Trichloroethane*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,1-Dichloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,1-Dichloroethylene*	<0.5	ug/L	✓		0.5	7 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,1-Dichloropropylene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2,3-Trichlorobenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2,3-Trichloropropane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2,4-Trichlorobenzene*	<0.5	ug/L	✓		0.5	70 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2,4-Trimethylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2-Dibromo-3-chloropropane	<0.5	ug/L			0.5	0.2 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2-Dibromoethane	<0.5	ug/L			0.5	0.05 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2-Dichlorobenzene*	<0.5	ug/L	✓		0.5	600 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2-Dichloroethane*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2-Dichloropropane*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,3,5-Trimethylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,3-Dichlorobenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,3-Dichloropropane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,4-Dichlorobenzene*	<0.5	ug/L	✓		0.5	75 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
2-Chlorotoluene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
4-Chlorotoluene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
4-Isopropyltoluene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Benzene*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Bromobenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM



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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
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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
Bromochloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Bromodichloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Bromoform*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Bromomethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Carbon disulfide*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Carbon tetrachloride*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Chlorobenzene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Chloroform*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Chloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
cis-1,2-Dichloroethylene*	<0.5	ug/L	✓		0.5	70 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
cis-1,3-Dichloropropylene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Dibromochloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Dibromomethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Dichlorodifluoromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Diethyl ether*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Diisopropyl ether (DIPE)*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Ethyl tert-butyl ether (ETBE)*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Ethylbenzene*	<0.5	ug/L	✓		0.5	700 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Hexachlorobutadiene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Hexachloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Isopropylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
m&p-Xylenes	<1	ug/L			1	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Methyl tert-butyl ether (MTBE)*	<0.5	ug/L	✓		0.5	13 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Methylene chloride*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Naphthalene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
n-Butylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM



Donald A. D'Anjou

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CLIENT JOB #:

BAR CODE: 20220331047-001

Test Description	Results	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date & Time Analyzed
n-Propylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
o-Xylene	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
sec-Butylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Styrene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
tert-Amyl methyl ether (TAME)*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
tert-Butyl alcohol (TBA)*	<10	ug/L			10	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
tert-Butylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Tetrachloroethylene*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Tetrahydrofuran (THF)	<10	ug/L			10	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Toluene*	<0.5	ug/L	✓		0.5	1000 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Total THMs*	<0.5	ug/L	✓		0.5	80 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Total Xylenes*	<0.5	ug/L	✓		0.5	10000 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
trans-1,2-Dichloroethylene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
trans-1,3-Dichloropropylene*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Trichloroethylene*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
Trichlorofluoromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.3	DD-NH	04/08/2022 06:35PM
Vinyl chloride*	<0.5	ug/L	✓		0.5	2 ug/L	EPA 524.3	DD-NH	04/08/2022 06:35PM
1,2-Dichlorobenzene-d4	107	%	✓		0.5	70-130%	EPA 524.3 - SS	DD-NH	04/08/2022 06:35PM
4-Bromofluorobenzene	109	%	✓		0.5	70-130%	EPA 524.3 - SS	DD-NH	04/08/2022 06:35PM
Methyl tert-Butyl Ether-d3	99	%	✓		0.5	70-130%	EPA 524.3 - SS	DD-NH	04/08/2022 06:35PM



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