Nashoba Associated Boards of Health

Environmental Health Service

30 Central Avenue, Ayer, Ma. 01432

M E M O

DATE: **1/3/25**

TO: **Mark Pieper**

FROM: **James Garreffi, Agent, Stow Board of Health**

RE: **WATER TEST RESULTS – 18 ROBERT RD.**

The well water, for the abovementioned property, has been sampled and analyzed in accordance with the Stow Board of Health Well Regulations.

The submission of the water report, listed below, satisfies the requirement to have well water tested prior to the transfer of property in accordance with Section 5.7 (5) of the regulation.

The result for sodium exceeds the Massachusetts guideline (20 mg/l); those individuals on sodium sensitive diet should consult with their doctor prior to consuming the water.

The PFAS6 results meet the current MA Department of Environmental Protection (MADEP) Drinking Water Standard. The US Environmental Protection Agency (USEPA) has recently set a standard for PFAS which is lower than the MADEP standard; the MADEP is required to review and adopt the newer standards as required by USEPA. Upon adoption of the new standard by the MADEP, this result would exceed the new standard.

Reports:

Nashoba Analytical, collected 12/9/24, sample ID #2412-01491-001

Nashoba Analytical, collected 12/9/24, sample ID #2412-01491-002

Nashoba Analytical, collected 12/9/24, sample ID #2412-01491-003

Nashoba Analytical, collected 12/9/24, sample ID #2412-01491-004

(978) 772-3335 (800) 427-9762 FAX (978) 772-4947

NASHOBA ANALYTICAL

A DIVISION OF GRANITE STATE ANALYTICAL SERVICES, LLC

31A Willow Road Ayer, Massachusetts 01432

Phone: 978-391-4428 | website: www.nashobaanalytical.com

Laboratory Report

Nashoba Assoc. Boards of Health
30 Central Avenue
Ayer, MA 01432

Date Printed:	**01/03/2025**
Work Order #:	**2412-01491**
Client Job #:	**NABH#NA9702**
Date Received:	**12/09/2024**
Sample collected in:	**Massachusetts**

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

Nashoba Analytical:
Identified by MA in the Analyst Column
31A Willow Road, Ayer, MA 01432
www.nashobaanalytical.com

ANALYSIS RELATED NOTES:

- RL: "Reporting limit" means the lowest level of an analyte that can be accurately recovered from the matrix of interest.
- DF: "Dilution factor" means the ratio of the volume of the sample to the volume of the final (dilute) solution.
- MDL: "Minimum Detection Limit" means the minimum result which can be reliably discriminated from a blank with a predetermined confidence level.
- ND: Non-detect. Results reported as Non-Detect (ND) have been evaluated down to the concentration listed in the MDL column.
- A & L Laboratory / Granite State Analytical Services LLC / Nashoba Analytical. 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.
  KNL Laboratory Services, 3202 North Florida Avenue, Tampa, FL 33603 Accreditation # M-FL117
  R.I. Analytical, Inc., 41 Illinois Ave, Warwick, RI 02888 Accreditation # M-RI015
- 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., J = Estimated concentration.

SAMPLE STATE SPECIFIC NOTES:

- The Commonwealth of Massachusetts has set an Advisory Limit of 10,000 pCi/L for Radon in Water.

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.

Erin Shaw

Erin Shaw
Laboratory Director

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CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED: 01/03/2025
CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-001
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: M-Stow
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #: NABH#NA9702

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
Calcium*	33	mg/L			1	No Limit	EPA 200.7	KW-MA	12/11/2024 02:05PM
Copper*	0.027	mg/L	✓		0.010	1.3 mg/L	EPA 200.7	KW-MA	12/11/2024 02:05PM
Iron*	5.37	mg/L	▽		0.010	0.3 mg/L	EPA 200.7	KW-MA	12/12/2024 02:31PM
Magnesium	9.6	mg/L			1.0	No Limit	EPA 200.7	KW-MA	12/11/2024 02:05PM
Manganese*	0.288	mg/L	▽		0.010	0.05 mg/L	EPA 200.7	KW-MA	12/11/2024 02:05PM
Potassium	5.1	mg/L			1.0	No Limit	EPA 200.7	KW-MA	12/11/2024 02:05PM
Sodium*	35.1	mg/L	X		1	20 mg/L	EPA 200.7	KW-MA	12/11/2024 02:05PM
Zinc*	0.015	mg/L	✓		0.010	5 mg/L	EPA 200.7	KW-MA	12/11/2024 02:05PM
Arsenic*	<0.001	mg/L	✓		0.001	0.010 mg/L	EPA 200.8	JP-NH	12/10/2024 05:03PM
Lead*	<0.001	mg/L	✓		0.001	0.015 mg/L	EPA 200.8	JP-NH	12/10/2024 05:03PM
Chloride*	94.4	mg/L	✓		2	250 mg/L	EPA 300.0	AH-MA	12/09/2024 05:54PM
Fluoride*	<0.2	mg/L	✓		0.2	4.0 mg/L	EPA 300.0	AH-MA	12/09/2024 05:54PM
Nitrate as N*	<0.05	mg/L	✓		0.05	10 mg/L	EPA 300.0	AH-MA	12/09/2024 05:54PM
Nitrite as N*	<0.05	mg/L	✓		0.05	1 mg/L	EPA 300.0	AH-MA	12/09/2024 05:54PM
Sulfate*	37.5	mg/L	✓		2	250 mg/L	EPA 300.0	AH-MA	12/09/2024 05:54PM
Gross Alpha*	1.6 +/- 1.4	pCi/L	✓		1.5	15	EPA 900.0	FL00117	12/24/2024 08:04AM
Color, Apparent	100	CU	▽		0	15	SM 2120B	KW-MA	12/09/2024 02:01PM
Odor	0	TON	✓		0	3 T.O.N.	SM 2150B	AH-MA	12/09/2024 02:01PM
Total Alkalinity*	50	mg CaCO3/L			5	No Limit	SM 2320B	KW-MA	12/09/2024 05:00PM
Hardness (calc.)	122	mg CaCO3/L			1	No Limit	SM 2340 B	KW-MA	12/11/2024 02:05PM
Specific Conductance @ 25°C	469	umhos/cm			10	No Limit	SM 2510B	AH-MA	12/09/2024 02:10PM
Total Dissolved Solids*	270	mg/L	✓		10	500 mg/L	SM 2540C	M-RI015	12/12/2024 02:30PM
pH at 25°C*	6.52	SU	✓	H	N/A	6.5 - 8.5 SU	SM 4500-H-B	KW-MA	12/09/2024 02:10PM
Ammonia as N	<0.1	mg/L			0.1	No Limit	SM 4500NH3 D	MR-MA	12/12/2024 04:30PM
Total Coliform / E.coli Bacteria Preparation (Colilert®-18) 22nd ED							SM 9223B	ES-MA	12/09/2024 04:06PM

Erin Shaw

Erin Shaw
Laboratory Director

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DATE PRINTED: 01/03/2025
CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-001
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: M-Stow
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #: NABH#NA9702

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
Radon	2,820	pCi/L	✓		100	10000 pCi/L	SM 7500 Rn B	TT-ME	12/10/2024 09:58PM
Coliform Bacteria*	Absent	P-A/100mL	✓		Absent	No Limit	SM 9223B	ES-MA	12/10/2024 10:39AM
E. coli Bacteria*	Absent	P-A/100mL	✓		Absent	Absent	SM 9223B	ES-MA	12/10/2024 10:39AM
Total Coliform / E.coli Bacteria Preparation (Colilert®-18) 22nd ED							SM 9223B	ES-MA	12/09/2024 04:06PM

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CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED: 01/03/2025
CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-002
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: M-VOC524.2-MA
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #:

Test Description	Result	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 524.2	KV-NH	12/11/2024 06:45AM
1,1,1-Trichloroethane*	<0.5	ug/L	✓		0.5	200 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,1,2,2-Tetrachloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,1,2-Trichloroethane*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,1-Dichloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,1-Dichloroethylene*	<0.5	ug/L	✓		0.5	7 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,1-Dichloropropylene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2,3-Trichlorobenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2,3-Trichloropropane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2,4-Trichlorobenzene*	<0.5	ug/L	✓		0.5	70 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2,4-Trimethylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2-Dibromo-3-chloropropane	<0.5	ug/L			0.5	0.2 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2-Dibromoethane	<0.5	ug/L			0.5	0.05 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2-Dichlorobenzene*	<0.5	ug/L	✓		0.5	600 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2-Dichloroethane*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2-Dichloropropane*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,3,5-Trimethylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,3-Dichlorobenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,3-Dichloropropane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,4-Dichlorobenzene*	<0.5	ug/L	✓		0.5	5.0 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
2,2-Dichloropropane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
2-Butanone (MEK)	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
2-Chlorotoluene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
2-Hexanone	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM

Erin Shaw

Erin Shaw
Laboratory Director

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CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED: 01/03/2025
CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-002
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: M-VOC524.2-MA
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
4-Chlorotoluene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
4-Isopropyltoluene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
4-Methyl-2-pentanone (MIBK)	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Acetone	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Benzene*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Bromobenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Bromochloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Bromodichloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Bromoform*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Bromomethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Carbon disulfide	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Carbon tetrachloride*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Chlorobenzene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Chloroethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Chloroform*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Chloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
cis-1,2-Dichloroethylene*	<0.5	ug/L	✓		0.5	70 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
cis-1,3-Dichloropropylene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Dibromochloromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Dibromomethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Dichlorodifluoromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Diethyl ether	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Diisopropyl ether (DIPE)	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Ethyl tert-butyl ether (ETBE)	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM

Erin Shaw
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Laboratory Director

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SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: M-VOC524.2-MA
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
Ethylbenzene*	<0.5	ug/L	✓		0.5	700 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Hexachlorobutadiene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Isopropylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
m&p-Xylenes	<1	ug/L			1	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Methyl tert-butyl ether (MtBE)*	<0.5	ug/L	✓		0.5	70 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Methylene chloride*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Naphthalene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
n-Butylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Nitrobenzene	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
n-Propylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
o-Xylene	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
sec-Butylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Styrene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
tert-Amyl methyl ether (TAME)	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
tert-Butyl alcohol (TBA)	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
tert-Butylbenzene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Tetrachloroethylene*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Tetrahydrofuran (THF)	<10	ug/L			10	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Toluene*	<0.5	ug/L	✓		0.5	1000 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Total THMs*	<0.5	ug/L	✓		0.5	80 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
Total Xylenes*	<0.5	ug/L	✓		0.5	10000 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
trans-1,2-Dichloroethylene*	<0.5	ug/L	✓		0.5	100 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
trans-1,3-Dichloropropylene*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Trichloroethylene*	<0.5	ug/L	✓		0.5	5 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM

Erin Shaw
Erin Shaw
Laboratory Director

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Phone: 978-391-4428 | website: www.nashobaanalytical.com

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED: 01/03/2025
CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-002
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: M-VOC524.2-MA
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
Trichlorofluoromethane*	<0.5	ug/L			0.5	No Limit	EPA 524.2	KV-NH	12/11/2024 06:45AM
Vinyl chloride*	<0.5	ug/L	✓		0.5	2 ug/L	EPA 524.2	KV-NH	12/11/2024 06:45AM
1,2-Dichlorobenzene-d4	88	%	✓		0.5	70-130%	EPA 524.2 - SS	KV-NH	12/11/2024 06:45AM
4-Bromofluorobenzene	87	%	✓		0.5	70-130%	EPA 524.2 - SS	KV-NH	12/11/2024 06:45AM

Erin Shaw

Erin Shaw
Laboratory Director

NASHOBA ANALYTICAL

A DIVISION OF GRANITE STATE ANALYTICAL SERVICES, LLC

31A Willow Road Ayer, Massachusetts 01432

Phone: 978-391-4428 | website: www.nashobaanalytical.com

CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED:	01/03/2025
CLIENT NAME:	Nashoba Assoc. Boards of Health
CLIENT ADDRESS:	30 Central Avenue Ayer, MA 01432
SAMPLE ID #:	2412-01491-003
SAMPLED BY:	Garreffi,James-NABH
SAMPLE ADDRESS:	18 Robert Rd Stow MA
MORE LOC INFO:	Outside Tap - Front

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

DATE AND TIME COLLECTED:	12/09/2024 12:58PM
DATE AND TIME RECEIVED:	12/09/2024 01:43PM
ANALYSIS PACKAGE:	PFAS-537.1-18-MA
RECEIPT TEMPERATURE:	15.3° CELSIUS
CLIENT JOB #:	

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
4,8-dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Date Extracted	-					No Limit	EPA 537.1	DL-NH	12/10/2024 08:24AM
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorobutanesulfonic Acid (PFBS)*	3.06	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorododecanoic Acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluoroheptanoic Acid (PFHpA)*	1.46	ng/L		J	2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorohexanesulfonic Acid (PFHxS)*	1.75	ng/L		J	2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM

Erin Shaw

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Laboratory Director

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DATE PRINTED: 01/03/2025
CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-003
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA
MORE LOC INFO: Outside Tap - Front

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: PFAS-537.1-18-MA
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
Perfluorohexanoic Acid (PFHxA)*	3.19	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorononanoic Acid (PFNA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorooctanesulfonic Acid (PFOS)*	5.30	ng/L	✓		2.00	70 ng/L	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorooctanoic Acid (PFOA)*	6.32	ng/L	✓		2.00	70 ng/L	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorotetradecanoic Acid (PFTA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluorotridecanoic Acid (PFTrDA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Perfluoroundecanoic Acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:39PM
Total 6 (PFOS PFOA PFNA PFHxS PFHpA PFDA)*	11.6	ng/L	✓		2.00	20 ng/L	EPA 537.1 - Calculation	JLR-NH	12/11/2024 06:39PM
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	87	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:39PM
Perfluoro-n-[1,2-13C2]decanoic Acid (13C2-PFDA)	92	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:39PM
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C2-PFHxA)	86	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:39PM
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic Acid (13C3-HFPO-DA)	85	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:39PM

Erin Shaw
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Laboratory Director

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CERTIFICATE OF ANALYSIS FOR DRINKING WATER

DATE PRINTED:	01/03/2025
CLIENT NAME:	Nashoba Assoc. Boards of Health
CLIENT ADDRESS:	30 Central Avenue Ayer, MA 01432
SAMPLE ID #:	2412-01491-004
SAMPLED BY:	Garreffi,James-NABH
SAMPLE ADDRESS:	18 Robert Rd Stow MA
MORE LOC INFO:	Outside Tap - Front Field Blank

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

DATE AND TIME COLLECTED:	12/09/2024 12:58PM
DATE AND TIME RECEIVED:	12/09/2024 01:43PM
ANALYSIS PACKAGE:	PFAS-537.1-18-MA-Field Blank
RECEIPT TEMPERATURE:	15.3° CELSIUS
CLIENT JOB #:	

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
4,8-dioxa-3H-perfluorononanoic acid (ADONA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Date Extracted	-					No Limit	EPA 537.1	DL-NH	12/10/2024 08:24AM
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorobutanesulfonic Acid (PFBS)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorodecanoic Acid (PFDA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorododecanoic Acid (PFDoA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluoroheptanoic Acid (PFHpA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorohexanesulfonic Acid (PFHxS)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM

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CLIENT NAME: Nashoba Assoc. Boards of Health
CLIENT ADDRESS: 30 Central Avenue
Ayer, MA 01432

SAMPLE ID #: 2412-01491-004
SAMPLED BY: Garreffi,James-NABH
SAMPLE ADDRESS: 18 Robert Rd
Stow MA

MORE LOC INFO: Outside Tap - Front Field Blank

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

DATE AND TIME COLLECTED: 12/09/2024 12:58PM
DATE AND TIME RECEIVED: 12/09/2024 01:43PM
ANALYSIS PACKAGE: PFAS-537.1-18-MA-Field Blank
RECEIPT TEMPERATURE: 15.3° CELSIUS
CLIENT JOB #:

Test Description	Result	Test Units	Pass /Fail	DQ Flag	RL	Limit	Method	Analyst	Date - Time Analyzed
Perfluorohexanoic Acid (PFHxA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorononanoic Acid (PFNA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorooctanesulfonic Acid (PFOS)*	<2.00	ng/L	✓		2.00	70 ng/L	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorooctanoic Acid (PFOA)*	<2.00	ng/L	✓		2.00	70 ng/L	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorotetradecanoic Acid (PFTA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluorotridecanoic Acid (PFTrDA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Perfluoroundecanoic Acid (PFUnA)*	<2.00	ng/L			2.00	No Limit	EPA 537.1	JLR-NH	12/11/2024 06:53PM
Total 6 (PFOS PFOA PFNA PFHxS PFHpA PFDA)*	<2.00	ng/L	✓		2.00	20 ng/L	EPA 537.1 - Calculation	JLR-NH	12/11/2024 06:53PM
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:53PM
Perfluoro-n-[1,2-13C2]decanoic Acid (13C2-PFDA)	102	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:53PM
Perfluoro-n-[1,2-13C2]hexanoic Acid (13C2-PFHxA)	102	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:53PM
Tetrafluoro-2-heptafluoropropoxy-[13C3]-propanoic Acid (13C3-HFPO-DA)	95	%	✓			70-130%	EPA 537.1 - SS	JLR-NH	12/11/2024 06:53PM

Erin Shaw
Erin Shaw
Laboratory Director

NABH# **NA 9702**

2412-01491
Lot# P241004H

Client Information

Date: 12/9/24

Client Name: Mark Pieper

Address: 18 Robert Rd.

City: Stow

Phone (Home):

Phone (Alternate):

Email:

Sample Information

Date Sampled: 12/9/24

Time Sampled: 1258 pm

Sampled by: JAG

Location: outside tap - front

Test Requirements

	Total Coliform	$25.00		Copper & Lead	$45.00
	Total Plate Count	$30.00		Fluoride	$30.00
	E.coli (Beaches)	$40.00		Iron	$30.00
	Fecal Coliform (Non-Potable)	$30.00		Manganese	$30.00
	Basic Scan (NA General Pkg)	$110.00		Gross Alpha	$90.00
	Comprehensive (Basic, As,Pb)	$150.00		Harvard Regs (Comp/Rn/Alpha)	$295.00
	Radon	$40.00		Harvard Spec. (Comp/Rn/Alpha/PFAS)	$680.00
	Volatile Organics (EPA524.2)	$150.00		Stow	
	Arsenic	$30.00		Stow 2	
	Lead	$30.00		Nitrates	$30.00
	Uranium	$60.00		Title V (TC, NH3,NO3,NO2)	$80.00
	Radium 226/Radium 228	$290.00		Other	
	Sodium	$30.00		RUSH	$75.00

☒ Stow Mem

1343
12/9/24
JC
15.3°

For questions regarding results, contact:
Nashoba Associated Boards of Health
30 Central Avenue
Ayer MA 01432
tel 978-772-3335 or 800-427-9762

Nashoba Analytical, LLC
31A Willow Road, Ayer MA 01432
Tel: 978-391-4428

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