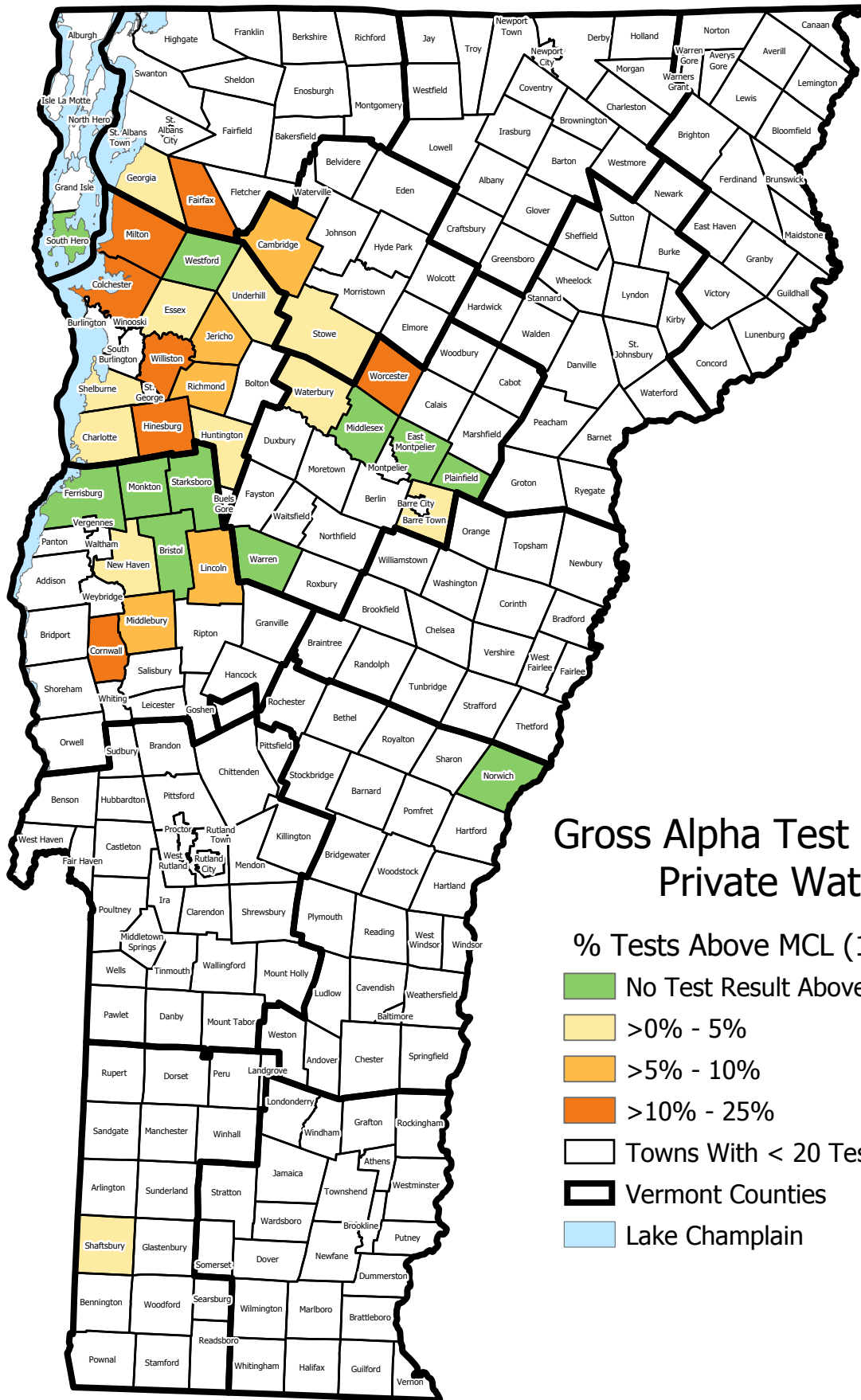


Gross Alpha in Private Water by Town: Percent of Tests Above the MCL (Maximum Contaminant Level = 15 pCi/L)



Gross Alpha Test Results: Private Water

% Tests Above MCL (15 pCi/L)

■ No Test Result Above MCL

■ >0% - 5%

■ >5% - 10%

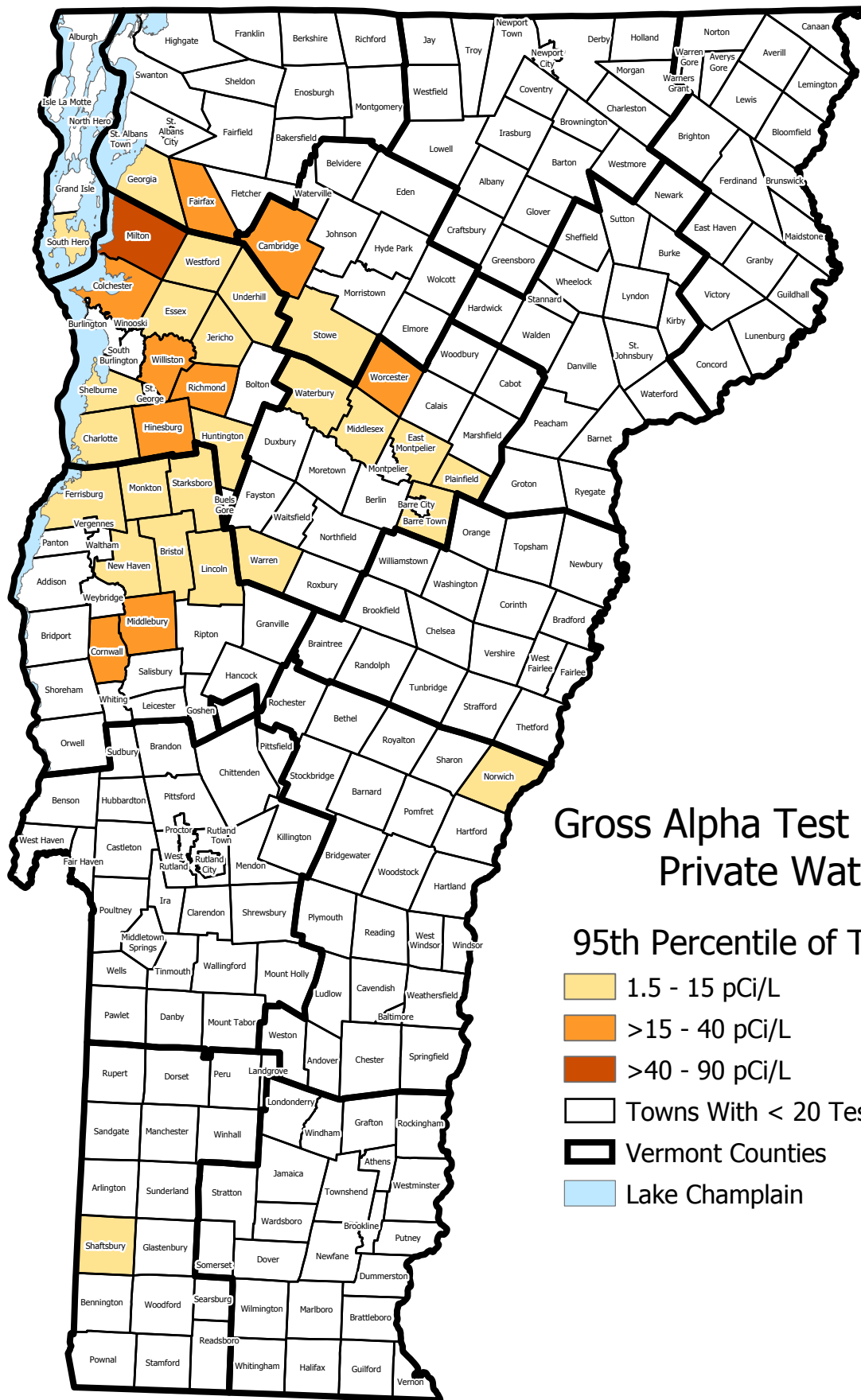
■ >10% - 25%

Towns With < 20 Tests

Vermont Counties

Lake Champlain

Gross Alpha in Private Water by Town: 95th Percentile of Tests (Maximum Contaminant Level = 15 pCi/L)



Gross Alpha Test Results: Private Water

95th Percentile of Tests

- 1.5 - 15 pCi/L
- >15 - 40 pCi/L
- >40 - 90 pCi/L
- Towns With < 20 Tests
- Vermont Counties
- Lake Champlain

Gross Alpha Water Test Result Summary (No Supression)
Maximum Contaminant Level (MCL) = 15 pCi/L
Data Sources: Vermont Department of Health Laboratory 2011-2017



Vermont Towns	Number of Tests	% Tests Above MCL	Concentration of Gross Alpha in pCi/L						
			Mean	Standard Deviation	Maximum	95th Percentile	Median	5th Percentile	Minimum
Addison	2.0	0.0	*	0.8	1.9	1.8	*	*	*
Albany	5.0	0.0	*	0.3	1.5	*	*	*	*
Alburgh	8.0	0.0	1.9	1.6	3.9	3.9	*	*	*
Andover	5.0	0.0	*	0.0	*	*	*	*	*
Arlington	11.0	0.0	*	1.0	3.2	2.9	*	*	*
Athens	1.0	0.0	*	0.0	*	*	*	*	*
Averill	1.0	0.0	2.9	0.0	2.9	2.9	2.9	2.9	2.9
Bakersfield	3.0	0.0	7.9	2.0	9.2	9.2	8.8	5.9	5.6
Barnard	12.0	8.3	4.2	7.5	27.3	15.3	1.6	*	*
Barnet	7.0	0.0	1.6	1.1	3.0	3.0	*	*	*
Barre Town	24.0	4.2	4.4	4.8	23.5	11.4	3.0	*	*
Barton	3.0	66.7	47.3	57.1	111.0	102.9	30.0	3.7	*
Belvidere	1.0	0.0	*	0.0	*	*	*	*	*
Bennington	14.0	7.1	4.4	6.6	26.2	13.9	2.2	*	*
Benson	4.0	0.0	3.2	1.6	5.4	5.1	3.0	1.8	1.7
Berkshire	8.0	0.0	2.6	2.7	6.8	6.7	*	*	*
Berlin	12.0	8.3	4.2	4.3	15.6	11.3	3.5	*	*
Bethel	8.0	0.0	4.0	4.6	11.4	11.3	1.7	*	*
Bolton	12.0	0.0	2.1	1.9	6.0	5.2	*	*	*
Bradford	4.0	0.0	1.7	1.2	3.0	2.9	1.6	*	*
Braintree	5.0	0.0	*	0.5	2.0	1.7	*	*	*
Brandon	7.0	14.3	2.9	5.7	15.7	11.2	*	*	*
Brattleboro	10.0	0.0	3.5	3.6	9.9	9.3	*	*	*
Bridgewater	3.0	0.0	*	1.2	2.9	2.7	*	*	*
Bridport	3.0	0.0	2.6	3.2	6.3	5.7	*	*	*
Brighton	1.0	0.0	*	0.0	*	*	*	*	*
Bristol	32.0	0.0	2.5	2.6	10.1	8.2	*	*	*
Brookfield	9.0	0.0	1.6	1.6	4.6	4.4	*	*	*
Brookline	2.0	0.0	*	0.0	*	*	*	*	*
Brownington	4.0	25.0	6.1	9.4	20.1	17.5	1.8	*	*
Buels Gore	1.0	0.0	3.0	0.0	3.0	3.0	3.0	3.0	3.0
Cabot	15.0	0.0	*	0.7	2.5	2.3	*	*	*
Calais	14.0	0.0	3.2	3.5	11.9	9.6	*	*	*
Cambridge	30.0	6.7	3.8	6.5	28.7	17.1	*	*	*
Canaan	6.0	0.0	*	0.5	2.1	1.7	*	*	*
Castleton	15.0	33.3	13.3	16.8	60.0	40.7	4.4	*	*
Cavendish	1.0	0.0	*	0.0	*	*	*	*	*
Charlotte	149.0	0.7	2.7	3.3	29.8	8.2	1.8	*	*
Chelsea	10.0	0.0	2.4	1.8	6.1	5.1	2.3	*	*
Chester	8.0	0.0	2.0	2.2	7.0	5.6	*	*	*
Chittenden	8.0	0.0	3.2	3.7	9.7	9.3	*	*	*
Clarendon	5.0	0.0	2.8	3.6	9.2	7.7	1.6	*	*
Colchester	61.0	11.5	7.8	15.4	103.0	31.6	2.3	*	*
Concord	3.0	0.0	*	0.5	1.6	*	*	*	*
Corinth	6.0	0.0	3.3	3.7	10.6	8.8	2.3	*	*
Cornwall	30.0	13.3	7.0	12.9	63.3	27.8	2.4	*	*
Coventry	5.0	0.0	*	0.4	1.6	*	*	*	*
Craftsbury	9.0	0.0	3.3	3.6	12.2	9.2	2.0	*	*
Danby	2.0	0.0	11.9	3.8	14.6	14.3	11.9	9.5	9.3
Danville	9.0	0.0	2.5	2.7	8.5	7.4	1.5	*	*
Derby	7.0	0.0	2.2	1.3	3.8	3.7	1.9	*	*
Dorset	12.0	16.7	5.7	7.2	22.5	19.3	2.5	*	*
Dover	3.0	0.0	*	0.0	*	*	*	*	*
Dummerston	6.0	0.0	*	0.7	2.5	2.1	*	*	*
Duxbury	16.0	0.0	2.1	2.0	7.1	6.2	*	*	*
East Haven	3.0	0.0	*	1.0	2.5	2.3	*	*	*

East Montpelier	29.0	0.0	1.9	1.5	5.9	4.2	*	*	*
Elmore	9.0	0.0	1.6	1.2	3.9	3.5	*	*	*
Enosburgh	4.0	0.0	3.2	3.3	7.6	7.0	2.2	*	*
Essex	43.0	4.7	4.7	7.6	43.6	12.2	2.1	*	*
Fair Haven	2.0	0.0	1.8	1.5	2.8	2.7	1.8	*	*
Fairfax	53.0	11.3	5.3	7.1	28.3	22.2	2.0	*	*
Fairfield	15.0	6.7	2.9	4.8	18.6	11.8	*	*	*
Fairlee	8.0	0.0	3.4	2.2	7.6	6.6	3.2	*	*
Fayston	9.0	11.1	5.0	7.1	22.0	17.2	2.1	*	*
Ferrisburg	30.0	0.0	1.9	2.0	11.1	4.0	*	*	*
Fletcher	11.0	0.0	2.8	2.4	6.9	6.6	2.1	*	*
Franklin	5.0	20.0	8.0	13.7	32.3	26.7	1.9	*	*
Georgia	48.0	4.2	3.1	4.5	23.7	12.7	1.5	*	*
Glover	10.0	0.0	1.8	1.9	7.0	4.9	*	*	*
Goshen	2.0	0.0	2.1	1.9	3.5	3.3	2.1	*	*
Grafton	4.0	0.0	*	0.0	*	*	*	*	*
Grand Isle	5.0	0.0	*	1.1	3.3	2.9	*	*	*
Granville	1.0	0.0	*	0.0	*	*	*	*	*
Greensboro	8.0	0.0	3.3	3.6	10.5	9.2	1.6	*	*
Groton	8.0	0.0	5.8	4.4	12.1	11.8	4.9	1.6	1.6
Guilford	13.0	7.7	4.9	8.6	31.4	17.9	*	*	*
Halifax	4.0	0.0	*	0.0	*	*	*	*	*
Hardwick	7.0	0.0	2.1	2.2	6.5	5.6	*	*	*
Hartford	2.0	0.0	8.0	8.8	14.2	13.6	8.0	2.4	1.8
Hartland	11.0	0.0	1.7	1.5	5.6	4.4	*	*	*
Highgate	11.0	0.0	2.8	3.9	13.8	9.4	*	*	*
Hinesburg	92.0	18.5	11.2	16.6	105.0	37.8	4.7	*	*
Hubbardton	11.0	36.4	19.1	23.4	68.3	64.4	7.8	2.4	2.2
Huntington	47.0	2.1	3.7	5.0	25.1	13.0	*	*	*
Hyde Park	13.0	0.0	*	2.0	7.8	4.6	*	*	*
Ira	1.0	0.0	14.3	0.0	14.3	14.3	14.3	14.3	14.3
Irasburg	3.0	0.0	*	0.0	*	*	*	*	*
Isle La Motte	8.0	0.0	1.7	1.9	6.2	4.7	*	*	*
Jamaica	6.0	0.0	*	1.1	3.4	3.0	*	*	*
Jay	3.0	0.0	5.5	6.5	12.9	11.9	2.8	*	*
Jericho	78.0	5.1	3.5	5.5	36.3	9.8	1.7	*	*
Johnson	8.0	25.0	6.8	10.7	30.2	25.2	1.8	*	*
Killington	11.0	0.0	*	0.9	3.7	2.7	*	*	*
Kirby	2.0	0.0	6.6	6.8	11.4	10.9	6.6	2.3	1.8
Landgrove	4.0	0.0	1.5	1.5	3.8	3.3	*	*	*
Leicester	14.0	0.0	*	0.9	3.3	3.1	*	*	*
Lemington	1.0	0.0	*	0.0	*	*	*	*	*
Lincoln	25.0	8.0	6.4	6.4	29.1	14.8	3.6	*	*
Londonderry	8.0	0.0	*	0.8	2.7	2.6	*	*	*
Lowell	1.0	0.0	*	0.0	*	*	*	*	*
Ludlow	11.0	9.1	3.6	6.1	21.2	13.4	*	*	*
Lyndon	2.0	0.0	*	0.6	1.6	1.5	*	*	*
Maidstone	3.0	0.0	*	1.1	2.6	2.4	*	*	*
Manchester	4.0	0.0	*	1.0	2.8	2.5	*	*	*
Marlboro	6.0	0.0	*	0.0	*	*	*	*	*
Marshfield	15.0	13.3	4.4	6.1	20.4	17.9	*	*	*
Mendon	5.0	0.0	*	0.0	*	*	*	*	*
Middlebury	22.0	9.1	4.1	4.7	17.2	15.7	2.3	*	*
Middlesex	30.0	0.0	2.8	2.5	8.7	7.4	1.9	*	*
Middletown Springs	13.0	38.5	18.8	19.2	65.2	53.7	11.6	*	*
Milton	67.0	13.4	11.4	33.3	245.0	43.6	2.0	*	*
Monkton	55.0	0.0	2.5	2.4	12.9	7.7	2.0	*	*
Montgomery	6.0	0.0	1.8	1.9	5.4	4.6	*	*	*
Montpelier	14.0	7.1	4.9	7.5	28.1	17.5	1.8	*	*
Moretown	18.0	0.0	2.9	3.3	12.0	9.3	1.6	*	*
Morgan	8.0	12.5	7.2	13.1	38.9	28.4	1.6	*	*
Morristown	7.0	14.3	6.0	8.4	23.8	19.2	2.0	*	*

Mount Holly	3.0	0.0	2.6	3.3	6.4	5.9	*	*	*
New Haven	31.0	3.2	15.0	65.2	366.0	11.8	3.1	*	*
Newark	3.0	0.0	4.9	3.6	7.4	7.3	6.6	*	*
Newbury	8.0	0.0	2.6	2.3	7.5	6.3	2.4	*	*
Newfane	6.0	0.0	*	0.5	1.9	1.8	*	*	*
Newport City	1.0	0.0	4.9	0.0	4.9	4.9	4.9	4.9	4.9
Newport Town	2.0	100.0	109.2	69.1	158.0	153.1	109.2	65.2	60.3
North Hero	5.0	0.0	*	0.5	2.0	1.7	*	*	*
Northfield	16.0	12.5	4.4	6.4	22.3	18.6	1.8	*	*
Norton	2.0	0.0	*	0.0	*	*	*	*	*
Norwich	37.0	0.0	2.2	1.9	8.5	6.4	1.6	*	*
Orange	3.0	0.0	4.3	3.7	8.1	7.7	4.0	*	*
Orwell	8.0	25.0	8.9	8.1	25.7	22.5	6.1	2.3	1.7
Panton	1.0	0.0	*	0.0	*	*	*	*	*
Pawlet	11.0	27.3	12.3	11.2	30.7	30.5	8.4	2.0	*
Peacham	11.0	9.1	4.4	8.8	30.4	18.4	*	*	*
Peru	2.0	0.0	*	0.0	*	*	*	*	*
Pittsfield	7.0	0.0	4.2	1.9	6.6	6.4	4.8	1.9	1.5
Pittsford	5.0	20.0	10.1	17.1	40.5	33.2	3.4	*	*
Plainfield	20.0	0.0	2.0	1.6	6.6	4.7	1.7	*	*
Plymouth	8.0	25.0	11.8	17.1	45.6	40.6	3.3	*	*
Pomfret	2.0	0.0	*	0.5	1.5	*	*	*	*
Poultney	12.0	25.0	10.8	10.9	34.1	31.6	6.7	1.6	*
Pownal	4.0	75.0	26.4	19.3	48.7	45.7	27.7	5.4	1.7
Proctor	1.0	0.0	*	0.0	*	*	*	*	*
Putney	15.0	6.7	3.5	5.3	18.4	15.0	1.5	*	*
Randolph	9.0	0.0	2.0	1.9	6.6	5.0	1.7	*	*
Reading	8.0	0.0	3.1	2.9	9.5	7.6	3.0	*	*
Readsboro	4.0	0.0	*	0.0	*	*	*	*	*
Richford	6.0	0.0	*	0.5	1.8	1.7	*	*	*
Richmond	76.0	6.6	4.8	5.5	27.9	16.5	3.1	*	*
Ripton	13.0	7.7	3.3	4.3	16.7	10.3	2.0	*	*
Rochester	1.0	100.0	15.7	0.0	15.7	15.7	15.7	15.7	15.7
Rockingham	8.0	0.0	3.1	4.3	13.3	10.1	1.7	*	*
Roxbury	6.0	0.0	3.5	5.6	14.7	11.8	*	*	*
Rupert	6.0	16.7	5.8	9.3	24.1	19.8	*	*	*
Rutland City	1.0	0.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
Rutland Town	13.0	0.0	3.1	4.2	13.7	12.2	1.5	*	*
Ryegate	4.0	0.0	3.4	4.1	9.5	8.4	1.7	*	*
Salisbury	12.0	0.0	1.8	1.2	4.6	3.8	1.6	*	*
Sandgate	3.0	0.0	7.5	5.2	11.1	11.0	9.8	2.3	1.5
Searsburg	1.0	0.0	3.1	0.0	3.1	3.1	3.1	3.1	3.1
Shaftsbury	20.0	5.0	3.8	7.0	30.1	13.0	*	*	*
Sharon	3.0	0.0	*	0.0	*	*	*	*	*
Sheffield	1.0	0.0	*	0.0	*	*	*	*	*
Shelburne	48.0	4.2	4.9	7.5	51.0	12.2	3.3	*	*
Sheldon	1.0	0.0	*	0.0	*	*	*	*	*
Shoreham	6.0	0.0	3.7	2.9	9.0	7.9	3.2	*	*
Shrewsbury	6.0	0.0	*	0.3	1.6	*	*	*	*
South Burlington	10.0	0.0	2.5	1.6	6.5	4.9	2.1	*	*
South Hero	22.0	0.0	*	0.9	3.1	3.0	*	*	*
Springfield	6.0	0.0	1.5	0.9	2.5	2.4	1.5	*	*
St. Albans Town	13.0	0.0	*	1.1	3.5	3.4	*	*	*
St. George	10.0	30.0	14.2	17.9	50.9	47.3	5.3	*	*
St. Johnsbury	6.0	0.0	2.5	1.8	5.2	5.0	2.1	*	*
Stamford	1.0	0.0	*	0.0	*	*	*	*	*
Starksboro	26.0	0.0	3.2	3.1	13.0	9.1	2.3	*	*
Stockbridge	3.0	0.0	*	0.0	*	*	*	*	*
Stowe	62.0	1.6	3.0	3.3	15.3	10.8	*	*	*
Strafford	7.0	0.0	*	0.0	*	*	*	*	*
Sudbury	6.0	0.0	4.1	4.0	12.3	9.9	2.4	2.2	2.1
Sunderland	8.0	0.0	*	1.4	4.8	3.6	*	*	*

Sutton	7.0	0.0*		0.0*		*	*	*	*
Swanton	15.0	0.0*		1.4	5.8	3.7	*	*	*
Thetford	13.0	0.0	2.4	2.8	10.3	6.9	*	*	*
Tinmouth	5.0	0.0	4.1	3.3	9.3	8.5	3.1*	*	*
Topsham	4.0	0.0	1.6	1.1	3.0	2.8	*	*	*
Townshend	2.0	0.0*		1.0	2.1	2.0	*	*	*
Tunbridge	6.0	0.0	1.6	1.1	3.4	3.1	*	*	*
Underhill	62.0	1.6	3.2	4.3	25.1	9.9	1.7*	*	*
Vernon	5.0	0.0*		0.8	2.6	2.2	*	*	*
Vershire	4.0	0.0*		0.6	2.0	1.8	*	*	*
Waitsfield	19.0	5.3	3.7	6.0	25.6	13.9	1.9*	*	*
Walden	8.0	0.0	1.9	2.2	7.1	5.4	*	*	*
Wallingford	4.0	25.0	6.2	6.5	15.8	14.0	3.6	1.9	1.7
Waltham	1.0	0.0	1.6	0.0	1.6	1.6	1.6	1.6	1.6
Wardsboro	4.0	0.0	2.2	3.0	6.7	5.8	*	*	*
Warren	20.0	0.0	2.9	2.9	10.4	7.9	1.8*	*	*
Washington	2.0	0.0	2.4	2.4	4.1	3.9	2.4*	*	*
Waterbury	26.0	3.8	3.2	4.5	20.7	9.7	*	*	*
Waterford	7.0	0.0	2.1	2.0	6.4	5.2	1.7*	*	*
Waterville	3.0	0.0	2.2	1.2	3.0	3.0	2.7*	*	*
Weathersfield	3.0	0.0	4.4	4.0	8.6	8.1	3.8*	*	*
Wells	14.0	7.1	5.1	7.4	28.2	17.2	2.0*	*	*
West Fairlee	1.0	0.0*		0.0*	*	*	*	*	*
West Rutland	1.0	100.0	19.3	0.0	19.3	19.3	19.3	19.3	19.3
West Windsor	2.0	0.0*		1.0	2.2	2.1	*	*	*
Westfield	1.0	0.0*		0.0*	*	*	*	*	*
Westford	35.0	0.0	2.7	2.8	10.3	8.7	*	*	*
Westminster	10.0	0.0*		1.0	3.2	2.9	*	*	*
Westmore	5.0	20.0	8.7	9.1	24.3	20.9	7.1	2.3	2.3
Weston	3.0	0.0	2.1	0.5	2.6	2.6	2.2	1.7	1.6
Weybridge	19.0	0.0	2.3	1.5	4.9	4.3	1.9*	*	*
Wheelock	1.0	0.0*		0.0*	*	*	*	*	*
Whiting	3.0	33.3	7.6	11.9	21.3	19.2	*	*	*
Whitingham	4.0	0.0	1.6	0.6	2.2	2.2	1.6*	*	*
Williamstown	16.0	6.3	4.1	4.4	19.2	9.4	2.9*	*	*
Williston	76.0	10.5	6.3	7.8	44.1	21.9	4.2*	*	*
Wilmington	13.0	0.0*		0.8	2.9	2.6	*	*	*
Windham	4.0	0.0*		0.4	1.5*	*	*	*	*
Windsor	3.0	0.0	1.9	1.4	3.5	3.3	1.5*	*	*
Winhall	3.0	0.0*		0.0*	*	*	*	*	*
Wolcott	9.0	0.0	2.9	3.3	9.8	8.8	1.6*	*	*
Woodbury	9.0	0.0	3.3	3.2	11.1	8.4	2.7*	*	*
Woodford	2.0	0.0*		0.0*	*	*	*	*	*
Woodstock	18.0	0.0*		1.4	5.7	4.6	*	*	*
Worcester	20.0	15.0	5.1	9.2	38.9	17.2	*	*	*

* Indicates less than the minimum detection limit (MDL) of the laboratory test, typically less than 1.5 pCi/L.

Notes:

- In order to calculate statistics, a value of 0.75 pCi/L (½ the MDL) was substituted as the sample result for each "not detected" value.
- Towns NOT included in the table, have "Number of Tests" = 0
- Some towns in Vermont have a small number of private well test results. Statistical tests based on a smaller number of test results are less reliable than statistical tests based on a larger number of sample results. Data in this table, especially when based on less than 20 test results, should be interpreted with caution. Any conclusions should be drawn with the number of test results for a given town in mind.

Data Source: Vermont Department of Health Laboratory 2011-2017