



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 8:40
LOCATION: 25 Jay's Lane
Grab

REPORTED: 01/25/2019
ORDER #: G1932433
SAMPLE DATE: 1/18/2019
DATE RECEIVED: 1/18/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>					
			LAB-ID#: 1932433-01		
Total Trihalomethanes	32	80.0	0.5	EPA 524.2	01/24/2019
Bromoform	0.7	---	0.5	EPA 524.2	01/24/2019
Chloroform	10.7	---	0.5	EPA 524.2	01/24/2019
Bromodichloromethane	12.5	---	0.5	EPA 524.2	01/24/2019
Dibromochloromethane	7.9	---	0.5	EPA 524.2	01/24/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	104	70	130
4-bromofluorobenzene	108	70	130



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 8:50
LOCATION: Hydrant Across 25 Jay's Lane
Grab

REPORTED: 01/25/2019
ORDER #: G1932433
SAMPLE DATE: 1/18/2019
DATE RECEIVED: 1/18/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1932433-02		
Total Trihalomethanes	32	80.0	0.5	EPA 524.2	01/24/2019
Bromoform	0.7	---	0.5	EPA 524.2	01/24/2019
Chloroform	10.8	---	0.5	EPA 524.2	01/24/2019
Bromodichloromethane	12.4	---	0.5	EPA 524.2	01/24/2019
Dibromochloromethane	7.6	---	0.5	EPA 524.2	01/24/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	106	70	130
4-bromofluorobenzene	107	70	130

Approved By: _____

(Lab Manager) / Date

ND = Not Detected

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp.(M-MA022).



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 12:47
LOCATION: Hydrant 38-004
Grab

REPORTED: 01/31/2019
ORDER #: G1932599
SAMPLE DATE: 1/25/2019
DATE RECEIVED: 1/25/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>					
			LAB-ID#: 1932599-01		
Total Trihalomethanes	33	80.0	0.5	EPA 524.2	01/29/2019
Bromoform	1.0	---	0.5	EPA 524.2	01/29/2019
Chloroform	9.5	---	0.5	EPA 524.2	01/29/2019
Bromodichloromethane	12.8	---	0.5	EPA 524.2	01/29/2019
Dibromochloromethane	9.6	---	0.5	EPA 524.2	01/29/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	104	70	130
4-bromofluorobenzene	107	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (M-MA002).



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 12:57
LOCATION: Hydrant 30-012
Grab

REPORTED: 01/31/2019
ORDER #: G1932599
SAMPLE DATE: 1/25/2019
DATE RECEIVED: 1/25/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>					
			LAB-ID#: 1932599-02		
Total Trihalomethanes	32	80.0	0.5	EPA 524.2	01/29/2019
Bromoform	1.0	---	0.5	EPA 524.2	01/29/2019
Chloroform	9.1	---	0.5	EPA 524.2	01/29/2019
Bromodichloromethane	12.4	---	0.5	EPA 524.2	01/29/2019
Dibromochloromethane	9.3	---	0.5	EPA 524.2	01/29/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	105	70	130
4-bromofluorobenzene	107	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance, Corp. (M-MA002).

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 12:37
LOCATION: Hydrant 38-002
Grab

REPORTED: 01/31/2019
ORDER #: G1932599
SAMPLE DATE: 1/25/2019
DATE RECEIVED: 1/25/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>					
			LAB-ID#: 1932599-03		
Total Trihalomethanes	26	80.0	0.5	EPA 524.2	01/29/2019
Bromoform	7.6	---	0.5	EPA 524.2	01/29/2019
Chloroform	3.2	---	0.5	EPA 524.2	01/29/2019
Bromodichloromethane	5.7	---	0.5	EPA 524.2	01/29/2019
Dibromochloromethane	9.7	---	0.5	EPA 524.2	01/29/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	102	70	130
4-bromofluorobenzene	107	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (M-MA002).

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 12:22
LOCATION: Hydrant 47-001
Grab

REPORTED: 01/31/2019
ORDER #: G1932599
SAMPLE DATE: 1/25/2019
DATE RECEIVED: 1/25/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1932599-04		
Total Trihalomethanes	23	80.0	0.5	EPA 524.2	01/29/2019
Bromoform	5.9	---	0.5	EPA 524.2	01/29/2019
Chloroform	3.0	---	0.5	EPA 524.2	01/29/2019
Bromodichloromethane	5.4	---	0.5	EPA 524.2	01/29/2019
Dibromochloromethane	8.7	---	0.5	EPA 524.2	01/29/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	102	70	130
4-bromofluorobenzene	107	70	130

Approved By: _____

(Lab Manager) / Date

ND = Not Detected

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (M-MA002).



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 11:00
LOCATION: McDonalds 1392 Washington Street
Grab

REPORTED: 02/11/2019
ORDER #: G1932725
SAMPLE DATE: 1/31/2019
DATE RECEIVED: 1/31/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>					
			LAB-ID#: 1932725-01		
Total Trihalomethanes	39	80.0	0.5	EPA 524.2	02/08/2019
Bromoform	1.8	---	0.5	EPA 524.2	02/08/2019
Chloroform	10.4	---	0.5	EPA 524.2	02/08/2019
Bromodichloromethane	14.5	---	0.5	EPA 524.2	02/08/2019
Dibromochloromethane	12.1	---	0.5	EPA 524.2	02/08/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	112	70	130
4-bromofluorobenzene	113	70	130



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 11:14
LOCATION: Sullivan Tire 1792 Washington Street
Grab

REPORTED: 02/11/2019
ORDER #: G1932725
SAMPLE DATE: 1/31/2019
DATE RECEIVED: 1/31/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>			LAB-ID#: <u>1932725-02</u>		
Total Trihalomethanes	31	80.0	0.5	EPA 524.2	02/08/2019
Bromoform	1.6	---	0.5	EPA 524.2	02/08/2019
Chloroform	6.8	---	0.5	EPA 524.2	02/08/2019
Bromodichloromethane	11.5	---	0.5	EPA 524.2	02/08/2019
Dibromochloromethane	10.7	---	0.5	EPA 524.2	02/08/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	115	70	130
4-bromofluorobenzene	114	70	130



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

CERTIFICATE OF ANALYSIS

COLLECTED BY: D. Dietlin
TIME: 11:28
LOCATION: Valvoline 1988 Washington Street
Grab

REPORTED: 02/11/2019
ORDER #: G1932725
SAMPLE DATE: 1/31/2019
DATE RECEIVED: 1/31/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>					
			LAB-ID#: 1932725-03		
Total Trihalomethanes	31	80.0	0.5	EPA 524.2	02/08/2019
Bromoform	1.6	---	0.5	EPA 524.2	02/08/2019
Chloroform	6.7	---	0.5	EPA 524.2	02/08/2019
Bromodichloromethane	11.8	---	0.5	EPA 524.2	02/08/2019
Dibromochloromethane	10.5	---	0.5	EPA 524.2	02/08/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	114	70	130
4-bromofluorobenzene	116	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 11:41
LOCATION: Infinity 2060 Washington Street
Grab

REPORTED: 02/11/2019
ORDER #: G1932725
SAMPLE DATE: 1/31/2019
DATE RECEIVED: 1/31/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1932725-04		
Total Trihalomethanes	42	80.0	0.5	EPA 524.2	02/08/2019
Bromoform	2.0	---	0.5	EPA 524.2	02/08/2019
Chloroform	10.8	---	0.5	EPA 524.2	02/08/2019
Bromodichloromethane	15.4	---	0.5	EPA 524.2	02/08/2019
Dibromochloromethane	13.4	---	0.5	EPA 524.2	02/08/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	114	70	130
4-bromofluorobenzene	117	70	130

Approved By: _____

(Lab Manager) / Date

ND = Not Detected

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (M-MA022).



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 8:00
LOCATION: 168 Dwelley Lane
Kitchen Sink

REPORTED: 02/11/2019
ORDER #: G1932745
SAMPLE DATE: 2/1/2019
DATE RECEIVED: 2/1/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
<i>Trihalomethanes 524.2</i>			LAB-ID#: <u>1932745-01</u>		
Total Trihalomethanes	75	80.0	0.5	EPA 524.2	02/08/2019
Bromoform	2.5	---	0.5	EPA 524.2	02/08/2019
Chloroform	27.7	---	0.5	EPA 524.2	02/08/2019
Bromodichloromethane	27.0	---	0.5	EPA 524.2	02/08/2019
Dibromochloromethane	18.2	---	0.5	EPA 524.2	02/08/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	115	70	130
4-bromofluorobenzene	113	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 7:55
LOCATION: 168 Dwelley Lane
Post Brita Filter

REPORTED: 02/11/2019
ORDER #: G1932745
SAMPLE DATE: 2/1/2019
DATE RECEIVED: 2/1/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1932745-02		
Total Trihalomethanes	11	80.0	0.5	EPA 524.2	02/08/2019
Bromoform	ND	---	0.5	EPA 524.2	02/08/2019
Chloroform	4.8	---	0.5	EPA 524.2	02/08/2019
Bromodichloromethane	4.0	---	0.5	EPA 524.2	02/08/2019
Dibromochloromethane	2.2	---	0.5	EPA 524.2	02/08/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	111	70	130
4-bromofluorobenzene	110	70	130

ND = Not Detected

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

Approved By: _____
(Lab Manager) / Date

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (M-MA002).

Trihalomethane Report

PWS ID #: 4122000

City/Town: HANOVER

PWS Name: HANOVER WATER DEPT

Data Check - Unsigned

PWS Class: COM

Primary Lab MA Cert #: M-MA022

Primary Lab Name: ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10383	925 CIRCUIT ST - FIRE STATION #3	RS	D. DIETLIN	3/5/2019	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

193353901

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	11.2	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	4.8	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	8.9	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	11.9	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	37	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10385	70 PONDEROSA	RS	D. DIETLIN	3/5/2019	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

193353902

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	17.8	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	3.7	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	14.7	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	15.9	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	52	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10389	24 ROCKLAND ST - ATLANTIC SYS. UNIT 8	RS	D. DIETLIN	3/5/2019	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

193353903

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	7.2	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	4.1	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP

M/S = Multiple or Single sources represented in sample site.

D/S = Distribution or Source sample site.

R/F = Raw or Finished water sample site.

MDL = Method Detection Limit.

UOM = Unit of Measurement.

O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

PWS ID #: 4122000

PWS Name: HANOVER WATER DEPT

3/18/2019 8:57:13 AM

Page 1 of 2

Massachusetts Department of Environmental Protection - Drinking Water Program

Trihalomethane Report

Data Check - Unsigned

CHLOROFORM	3.7	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	9.7	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	25	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10387	2060 WASHINGTON ST - PRIME INFINITY	RS	D. DIETLIN	3/5/2019	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

193353904

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	7.8	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	1.4	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	6.7	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	6.4	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	22	UG/L	0.5	EPA 524.2	3/6/2019	M-MA022	ANALYTICAL BALANCE CORP

EDEP Transaction ID: 1092108

M/S = Multiple or Single sources represented in sample site.

D/S = Distribution or Source sample site.

R/F = Raw or Finished water sample site.

MDL = Method Detection Limit.

UOM = Unit of Measurement.

O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

PWS ID #: 4122000

PWS Name: HANOVER WATER DEPT

3/18/2019 8:57:13 AM

Page 2 of 2

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt

TIME: 7:10

LOCATION: 1558 Broadway Brita Filter
001A

REPORTED: 03/28/2019
ORDER #: G1933935
SAMPLE DATE: 3/19/2019
DATE RECEIVED: 3/19/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1933935-02		
Total Trihalomethanes	15	80.0	0.5	EPA 524.2	03/26/2019
Bromoform	8.2	---	0.5	EPA 524.2	03/26/2019
Chloroform	0.5	---	0.5	EPA 524.2	03/26/2019
Bromodichloromethane	1.5	---	0.5	EPA 524.2	03/26/2019
Dibromochloromethane	4.3	---	0.5	EPA 524.2	03/26/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	94	70	130
4-bromofluorobenzene	101	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt

TIME: 7:10

LOCATION: 1558 Broadway Kitchen Sink
001

REPORTED: 03/28/2019
ORDER #: G1933935
SAMPLE DATE: 3/19/2019
DATE RECEIVED: 3/19/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: <u>1933935-01</u>		
Total Trihalomethanes	33	80.0	0.5	EPA 524.2	03/26/2019
Bromoform	17.6	---	0.5	EPA 524.2	03/26/2019
Chloroform	1.3	---	0.5	EPA 524.2	03/26/2019
Bromodichloromethane	3.8	---	0.5	EPA 524.2	03/26/2019
Dibromochloromethane	10.4	---	0.5	EPA 524.2	03/26/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	96	70	130
4-bromofluorobenzene	101	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt

TIME: 8:45

LOCATION: Hydrant 58-100 (94 Old Bridge Road)
002

REPORTED: 03/28/2019
ORDER #: G1933935
SAMPLE DATE: 3/19/2019
DATE RECEIVED: 3/19/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1933935-03		
Total Trihalomethanes	34	80.0	0.5	EPA 524.2	03/26/2019
Bromoform	21.2	---	0.5	EPA 524.2	03/26/2019
Chloroform	0.7	---	0.5	EPA 524.2	03/26/2019
Bromodichloromethane	2.6	---	0.5	EPA 524.2	03/26/2019
Dibromochloromethane	9.1	---	0.5	EPA 524.2	03/26/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	96	70	130
4-bromofluorobenzene	103	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 9:33
LOCATION: 233 Curtis Mill Lane
003

REPORTED: 03/28/2019
ORDER #: G1933935
SAMPLE DATE: 3/19/2019
DATE RECEIVED: 3/19/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1933935-04		
Total Trihalomethanes	49	80.0	0.5	EPA 524.2	03/26/2019
Bromoform	2.2	---	0.5	EPA 524.2	03/26/2019
Chloroform	14.8	---	0.5	EPA 524.2	03/26/2019
Bromodichloromethane	17	---	0.5	EPA 524.2	03/26/2019
Dibromochloromethane	14.6	---	0.5	EPA 524.2	03/26/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	97	70	130
4-bromofluorobenzene	101	70	130

Timothy A.
Approved By: Begley

Digitally signed by Timothy A. Begley
DN: Timothy A. Begley
2.5.4.11=

Date: 2019.03.28 20:38:36

ND = Not Detected

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

(Lab Manager) / Date

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (M-MA022).

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 10:10
LOCATION: 73 Phillips Street
Grab

REPORTED: 04/17/2019
ORDER #: G1934551
SAMPLE DATE: 4/9/2019
DATE RECEIVED: 4/9/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
Total Trihalomethanes	73	80.0	0.5	EPA 524.2	04/15/2019
Bromoform	3.3	---	0.5	EPA 524.2	04/15/2019
Chloroform	24	---	0.5	EPA 524.2	04/15/2019
Bromodichloromethane	25.3	---	0.5	EPA 524.2	04/15/2019
Dibromochloromethane	20.1	---	0.5	EPA 524.2	04/15/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	113	70	130
4-bromofluorobenzene	113	70	130

Timothy A.
Approved By: Begley

Digitally signed by Timothy A. Begley
DN: Timothy A. Begley
2.5.4.11=

Date: 2019.04.17 18:41:36

ND = Not Detected

(Lab Manager) / Date

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 9:47
LOCATION: 55 Tower Hill Drive
Grab

REPORTED: 04/17/2019
ORDER #: G1934551
SAMPLE DATE: 4/9/2019
DATE RECEIVED: 4/9/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1934551-01		
Total Trihalomethanes	49	80.0	0.5	EPA 524.2	04/15/2019
Bromoform	1.7	---	0.5	EPA 524.2	04/15/2019
Chloroform	14.7	---	0.5	EPA 524.2	04/15/2019
Bromodichloromethane	17.4	---	0.5	EPA 524.2	04/15/2019
Dibromochloromethane	14.9	---	0.5	EPA 524.2	04/15/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	114	70	130
4-bromofluorobenzene	113	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 10:19
LOCATION: 37 Phillips St.-Brita Filter
Grab

REPORTED: 05/08/2019
ORDER #: G1934945
SAMPLE DATE: 4/22/2019
DATE RECEIVED: 4/23/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL (µg/L)	Result (µg/L)	Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1934945-04		
Total Trihalomethanes	8.6	80.0	0.5	EPA 524.2	04/25/2019
Bromoform	ND	---	0.5	EPA 524.2	04/25/2019
Chloroform	3.7	---	0.5	EPA 524.2	04/25/2019
Bromodichloromethane	0.6	---	0.5	EPA 524.2	04/25/2019
Dibromochloromethane	ND	---	0.5	EPA 524.2	04/25/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	126	70	130
4-bromofluorobenzene	125	70	130

ND = Not Detected

Approved By: Timothy A. Begley
(Lab Manager) / Date

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.



CERTIFICATE OF ANALYSIS

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 10:49
LOCATION: Pond St. WTP-Finished
Grab

REPORTED: 05/08/2019
ORDER #: G1934945
SAMPLE DATE: 4/22/2019
DATE RECEIVED: 4/23/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

RESULTS OF ANALYSIS

Compound (regulated)	Result (mg/L)	MDL (mg/L)	Detection Limit (mg/L)	Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: <u>1934945-01</u>		
Total Trihalomethanes	21	80.0	0.5	EPA 524.2	04/25/2019
Bromoform	0.8	---	0.5	EPA 524.2	04/25/2019
Chloroform	5.1	---	0.5	EPA 524.2	04/25/2019
Bromodichloromethane	8.3	---	0.5	EPA 524.2	04/25/2019
Dibromochloromethane	6.3	---	0.5	EPA 524.2	04/25/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	123	70	130
4-bromofluorobenzene	125	70	130

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: N. Merritt
TIME: 11:08
LOCATION: Beal WTP-Finished
Grab

REPORTED: 05/08/2019
ORDER #: G1934945
SAMPLE DATE: 4/22/2019
DATE RECEIVED: 4/23/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (ppb/L)	QC (ppb/L)	Design Limit (ppb/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1934945-02		
Total Trihalomethanes	14	80.0	0.5	EPA 524.2	04/25/2019
Bromoform	8.3	---	0.5	EPA 524.2	04/25/2019
Chloroform	ND	---	0.5	EPA 524.2	04/25/2019
Bromodichloromethane	1.2	---	0.5	EPA 524.2	04/25/2019
Dibromochloromethane	4.5	---	0.5	EPA 524.2	04/25/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	124	70	130
4-bromofluorobenzene	122	70	130



Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

CERTIFICATE OF ANALYSIS

COLLECTED BY: N. Merritt
TIME: 11:37
LOCATION: Broadway WTP-Finished
Grab

REPORTED: 05/08/2019
ORDER #: G1934945
SAMPLE DATE: 4/22/2019
DATE RECEIVED: 4/23/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

RESULTS OF ANALYSIS

Compound (regulated)	Result (ug/L)	MCL (ug/L)	Concentration (ug/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2					
			LAB-ID#: 1934945-03		
Total Trihalomethanes	7.4	80.0	0.5	EPA 524.2	04/25/2019
Bromoform	0.9	---	0.5	EPA 524.2	04/25/2019
Chloroform	1.9	---	0.5	EPA 524.2	04/25/2019
Bromodichloromethane	1.9	---	0.5	EPA 524.2	04/25/2019
Dibromochloromethane	2.8	---	0.5	EPA 524.2	04/25/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	125	70	130
4-bromofluorobenzene	124	70	130

Trihalomethane Report**Data Check - Unsigned**

PWS ID #: 4122000

City/Town: HANOVER

PWS Name: HANOVER WATER DEPT

PWS Class: COM

Primary Lab MA Cert #: M-MA022

Primary Lab Name: ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10383	925 CIRCUIT ST - FIRE STATION #3	RS	D. DIETLIN	6/4/2019	O		
Sample Comments:		Analysis Comments:		Lab Sample ID:			
				193636901			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	15.5	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	7.0	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	16.5	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	14.1	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	53	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10385	70 PONDEROSA	RS	D. DIETLIN	6/4/2019	O		
Sample Comments:		Analysis Comments:		Lab Sample ID:			
				193636902			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	26.5	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	1.1	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	40.6	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	11.3	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	80	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10389	24 ROCKLAND ST - ATLANTIC SYS. UNIT 8	RS	D. DIETLIN	6/4/2019	O		
Sample Comments:		Analysis Comments:		Lab Sample ID:			
				193636903			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	9.7	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	0.6	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP

M/S = Multiple or Single sources represented in sample site.

D/S = Distribution or Source sample site.

R/F = Raw or Finished water sample site.

MDL = Method Detection Limit.

UOM = Unit of Measurement.

O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

PWS ID #: 4122000

PWS Name: HANOVER WATER DEPT

6/24/2019 9:51:42 AM

Page 1 of 2

Trihalomethane Report**Data Check - Unsigned**

CHLOROFORM	10.0	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	6.3	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	27	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10387	2060 WASHINGTON ST - PRIME INFINITY	RS	D. DIETLIN	6/4/2019	O		
Sample Comments:		Analysis Comments:		Lab Sample ID:			
				193636904			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	23.6	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	ND	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	39.6	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	9.0	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	72	UG/L	0.5	EPA 524.2	6/12/2019	M-MA022	ANALYTICAL BALANCE CORP

EDEP Transaction ID: 1116708

M/S = Multiple or Single sources represented in sample site.

D/S = Distribution or Source sample site.

R/F = Raw or Finished water sample site.

MDL = Method Detection Limit.

UOM = Unit of Measurement.

O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

PWS ID #: 4122000

PWS Name: HANOVER WATER DEPT

6/24/2019 9:51:42 AM

Page 2 of 2

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 9:15
LOCATION: 248 Larchmont Lane
Grab

REPORTED: 08/07/2019
ORDER #: G1938337
SAMPLE DATE: 7/30/2019
DATE RECEIVED: 7/30/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: <u>1938337-05</u>		
Total Trihalomethanes	122	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	1.1	---	0.5	EPA 524.2	08/02/2019
Chloroform	74.1	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	36.7	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	10.3	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	106	70	130
4-bromofluorobenzene	107	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (MA-022). Chemically, this water does not meet the Maximum Contaminant Levels requirements for drinking as established by the Commonwealth of Massachusetts. The TTHMs are in excess of the allowable criteria.

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin

TIME: 9:15

LOCATION: 248 Larchmont Lane-Brita
Grab

REPORTED: 08/07/2019
ORDER #: G1938337
SAMPLE DATE: 7/30/2019
DATE RECEIVED: 7/30/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1938337-06		
Total Trihalomethanes	13	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	ND	---	0.5	EPA 524.2	08/02/2019
Chloroform	8.0	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	3.5	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	1.1	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	107	70	130
4-bromofluorobenzene	105	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (MA-022).

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 9:35
LOCATION: 234 Curtis Mill Lane
Grab

REPORTED: 08/07/2019
ORDER #: G1938337
SAMPLE DATE: 7/30/2019
DATE RECEIVED: 7/30/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: <u>1938337-07</u>		
Total Trihalomethanes	82	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	ND	---	0.5	EPA 524.2	08/02/2019
Chloroform	57.5	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	20.5	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	4.4	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	104	70	130
4-bromofluorobenzene	105	70	130

Approved By: Amanda Cronin
(Lab Manager) / Date

ND = Not Detected

1. These limits are maximum contaminant levels (MCL) as adopted by the Commonwealth of Massachusetts and represent the maximum acceptable level in drinking Water.

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp (MA-022). Chemically, this water does not meet the Maximum Contaminant Level requirements for drinking as established by the Commonwealth of Massachusetts. The TTHMs are in excess of the allowable criteria.

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 8:15
LOCATION: 539 Water Street
Grab

REPORTED: 08/07/2019
ORDER #: G1938337
SAMPLE DATE: 7/30/2019
DATE RECEIVED: 7/30/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1938337-03		
Total Trihalomethanes	25	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	13.8	---	0.5	EPA 524.2	08/02/2019
Chloroform	0.6	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	2.4	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	8.1	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	102	70	130
4-bromofluorobenzene	104	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (MA-022).

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 8:15
LOCATION: 539 Water Street-Brita
Grab

REPORTED: 08/07/2019
ORDER #: G1938337
SAMPLE DATE: 7/30/2019
DATE RECEIVED: 7/30/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1938337-04		
Total Trihalomethanes	11	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	6.0	---	0.5	EPA 524.2	08/02/2019
Chloroform	0.9	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	1.4	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	2.9	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	108	70	130
4-bromofluorobenzene	102	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (MA-022).

Neal Merritt
Hanover Water Department
40 Pond Street
Hanover, MA 02339

COLLECTED BY: D. Dietlin
TIME: 8:45
LOCATION: 1215 Webster Street
Grab

REPORTED: 08/07/2019
ORDER #: G1938337
SAMPLE DATE: 7/30/2019
DATE RECEIVED: 7/30/2019
SAMPLE ID: Special
DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: 1938337-01		
Total Trihalomethanes	130	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	1.3	---	0.5	EPA 524.2	08/02/2019
Chloroform	82.4	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	36.0	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	10.1	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	109	70	130
4-bromofluorobenzene	103	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (MA-022). Chemically, this water does not meet the Maximum Contaminant Level requirements as by the Commonwealth of Massachusetts. The TTHMs are in excess of the allowable criteria.

Neal Merritt
Hanover Water Department

40 Pond Street

Hanover, MA 02339

COLLECTED BY: D. Dietlin

TIME: 8:45

LOCATION: 1215 Webster Street-Brita
Grab

REPORTED: 08/07/2019

ORDER #: G1938337

SAMPLE DATE: 7/30/2019

DATE RECEIVED: 7/30/2019

SAMPLE ID: Special

DESCRIPTION: DRINKING WATER

CERTIFICATE OF ANALYSIS

RESULTS OF ANALYSIS

Compound (regulated)	Result (µg/L)	MCL ¹ (µg/L)	Detection Limit (µg/L)	Analytical Method	Date Analyzed
Trihalomethanes 524.2			LAB-ID#: <u>1938337-02</u>		
Total Trihalomethanes	ND	80.0	0.5	EPA 524.2	08/02/2019
Bromoform	ND	---	0.5	EPA 524.2	08/02/2019
Chloroform	ND	---	0.5	EPA 524.2	08/02/2019
Bromodichloromethane	ND	---	0.5	EPA 524.2	08/02/2019
Dibromochloromethane	ND	---	0.5	EPA 524.2	08/02/2019

Surrogate Recoveries (As required by EPA methods 524.1 and 524.2)

Compound	% Recovered	QC Limits (%)	
1,2-dichlorobenzene-d4	109	70	130
4-bromofluorobenzene	105	70	130

Unless otherwise noted, all analyses were conducted by Analytical Balance Corp. (MA-022).