

PWS ID #: 4122000City/Town: HANOVER

PWS Name: HANOVER WATER DEPTPWS Class: COM

Primary Lab MA Cert #: M-MA022Primary Lab Name: ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10380	640 KING STREET	RS	W. MILLS	3/26/2013	O		
Sample Comments:		Analysis Comments:		Lab Sample ID: 135563201			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	5.3	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	1.1	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	2.5	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	4.7	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	13.6	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10383	FIRE STATION #3	RS	W. MILLS	3/26/2013	O		
Sample Comments:		Analysis Comments:		Lab Sample ID: 135563202			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	11.6	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	11.8	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	6.8	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	16.7	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	46.9	UG/L	0.5	EPA 524.2	3/29/2013	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	W. MILLS	3/26/2013	O		
Sample Comments:		Analysis Comments:		Lab Sample ID: 135563203			

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	29.3	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	6.9	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	22.7	UG/L	0.5	EPA 524.2	3/29/2013	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.

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PWS Name: HANOVER WATER DEPTPage1 of 2

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DIBROMOCHLOROMETHANE	26.6	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	85.5	UG/L	0.5	EPA 524.2	3/29/2013	M-MA022	ANALYTICAL BALANCE CORP

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EDEP Transaction ID: 555118

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UOM = Unit of Measurement.  
O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

PWS ID #: 4122000  
PWS Name: HANOVER WATER DEPT

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**Trihalomethane Report**

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

**Data Check - Unsigned**

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10380	640 KING STREET	RS	W. MILLS	5/6/2013	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

135666501

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	12.1	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	2.9	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	12.9	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	8.5	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	36.4	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10383	FIRE STATION #3	RS	W. MILLS	5/6/2013	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

135666502

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	18.9	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	5.8	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	19.9	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	15.6	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	60.2	UG/L	0.5	EPA 524.2	5/6/2013	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	W. MILLS	5/6/2013	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

135666503

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	29.1	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	2.7	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	35.3	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP

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PWS Name: HANOVER WATER DEPT

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## Trihalomethane Report

DIBROMOCHLOROMETHANE	17.5	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	84.6	UG/L	0.5	EPA 524.2	5/6/2013	M-MA022	ANALYTICAL BALANCE CORP

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## Data Check - Unsigned

EDEP Transaction ID: 566436

M/S = Multiple or Single sources represented in sample site.  
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UOM = Unit of Measurement.  
O/R/C = Original submittal or Resubmitted submittal or Confirmation sample.

PWS ID #: 4122000  
PWS Name: HANOVER WATER DEPT

5/28/2013 1:48:46 PM

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**Trihalomethane Report****Submitted - Signed**

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:
10380	640 KING STREET	RS	W. MILLS	9/17/2013	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

136115301

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	13.9	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	3.2	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	19.9	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	8.9	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	45.9	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP

Location ID	Location	Routine/ Special:	Collected By:	Collection Date:	O/R/C:	Resubmit Reason:	Original Collection:
10383	FIRE STATION #3	RS	W. MILLS	9/17/2013	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

136115302

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	30.7	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	5.1	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	56.8	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
DIBROMOCHLOROMETHANE	15.4	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	108	UG/L	0.5	EPA 524.2	9/20/2013	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	W. MILLS	9/17/2013	O		

Sample Comments:

Analysis Comments:

Lab Sample ID:

136115303

Contaminant:	Result:	UOM:	MDL:	Analytical Method:	Analysis Date:	Analytical Lab ID:	Analytical Lab:
BROMODICHLOROMETHANE	49.5	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
BROMOFORM	2.6	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
CHLOROFORM	95.4	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP

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PWS ID #: 4122000

PWS Name: HANOVER WATER DEPT

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## Trihalomethane Report

## Submitted - Signed

DIBROMOCHLOROMETHANE	20.4	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP
TOTAL TRIHALOMETHANES	168	UG/L	0.5	EPA 524.2	9/20/2013	M-MA022	ANALYTICAL BALANCE CORP

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Primary Lab Signature: Robert Bentley

Date: 10/10/2013

Certified Signer User Name: ANALYTICAL

EDEP Transaction ID: 601148

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

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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

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## Total Trihalomethanes Report – IDSE Sample Results

PWS Information: Please refer to your DEP Water Sampling Schedule (WQSS) to help complete this form.

PWS ID #: 4122000

City/Town: Hanover

PWS Name: Hanover Water Dept.

PWS Class: COM x NTNC TNC

DEP Location (LOC) ID#	DEP Location Name	Sample Acidified?	Date Collected	Collected by
A 10383	Fire Station 3	X Yes	12/03/2013	W. Mills
B 10385	70 Ponderosa Dr.	X Yes	12/03/2013	W. Mills
C 10387	Computer Center	X Yes	12/03/2013	W. Mills
D 10388	Hanover Fitness	X Yes	12/03/2013	W. Mills

Routine or Special Sample	Original or Resubmitted Report	If resubmitted report, list below:	
		Reason for resubmission	Collection date of original sample
A RS x SS	x Original Resubmitted Confirmation	Resample Reanalysis Report Corr.	
B RS x SS	x Original Resubmitted Confirmation	Resample Reanalysis Report Corr.	
C RS x SS	x Original Resubmitted Confirmation	Resample Reanalysis Report Corr.	
D RS x SS	x Original Resubmitted Confirmation	Resample Reanalysis Report Corr.	

Sample notes - (Such as manifold/multiple sample, list any sources that were on line during collection).

A	IDSE Sample Results
B	IDSE Sample Results
C	IDSE Sample Results
D	IDSE Sample Results

## II. Analytical Laboratory Information:

Primary Lab MA Cert. # M-MA022 Primary Lab Name: Analytical Balance Corp. Subcontracted? Y x N

Analysis Lab MA Cert. # M-MA022 Analysis Lab Name: Analytical Balance Corp.

Contaminant	MCL (µg/L)	MDL (µg/L)	Results <sup>1</sup> (µg/L)			
			A	B	C	D
Total THMs	80	----	67.8	79.4	51.6	74.2
Bromoform		0.5	5.4	6.7	1.9	2.8
Chloroform		0.5	26.5	25.7	18.2	36.4
Bromodichloromethane		0.5	21.0	24.8	18.5	22.7
Dibromochloromethane		0.5	14.9	22.2	13.0	12.3
Lab method			EPA 524.2	EPA 524.2	EPA 524.2	EPA 524.2
Date extracted (551.1 only)			----	----	----	----
Date analyzed			12/09/2013	12/09/2013	12/09/2013	12/09/2013
Lab Sample ID			63332-01	63332-02	63332-03	63332-04
Surrogate # 1	1,2-dichlorobenzene d <sub>4</sub>		99%	104%	107%	103%
Surrogate # 2	4-bromofluorobenzene		97%	100%	94%	92%

<sup>1</sup> Report results as a number greater than 0 or ND (not a <MDL value).

Lab sample notes:	
A	
B	
C	
D	

I certify under penalties of law that I am the person authorized to fill out this form and the information contained herein is true, accurate and complete to the best extent of my knowledge.

Primary Lab Director Signature: 

Date: 12/13/13

If not submitting these results electronically, mail TWO copies of this report to your DEP Regional Office no later than 10 days after the end of the month in which you received this report or no later than 10 days after the end of the reporting period, whichever is sooner.

DEP REVIEW STATUS (Initial & date) Accepted _____ Disapproved _____	Review comments	____ WQTS data entered
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2013 DBPR QTR 4

H  
2.29 | 2.57 | 5.29 | 7.14 | 7.71 | 6.43 | 7.43 | 6.43 | 7.43 | 6.14 |

K  
8 | 6.14 | 9.43 | 7.43 | 0.92

0

0.18

0.35

0.35

0.18

0.26

center : vent