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September 7, 2001

Ms. Kathleen Newcomer  
Suffolk County Department of Health Services  
Drinking Water Supply Section  
220 Rabro Drive East  
Hauppauge, New York 11788

Dear Ms. Newcomer:

**SUBJECT: Monthly Water Treatment Plant Reports**  
**Reference: Suffolk County Minimum Monitoring Requirements for August 2001**

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2001 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Bacteriological and Operational Reports for August 2001.
- Attachment II: August 2001 Biweekly Water Quality Monitoring Data for BNL Potable Water Wells and Quarterly Water Quality Data for the BNL Distribution System.
- Attachment III: 2001 Third Quarter Principal Organic Compound Analyses for the BNL Potable Water Wells.
- Attachment IV: 2001 Third Quarter Bacteriological Reports for the BNL Potable Water Wells.
- Attachment V: 2001 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Potable Water Wells and the BNL Distribution System.
- Attachment VI: 2001 Annual Synthetic Organic Chemical and Pesticides Analytical Results for the BNL Potable Water Wells and the BNL Distribution System.
- Attachment VII: 2001 Annual Asbestos Analytical Results for the BNL Potable water Distribution System.

September 7, 2001

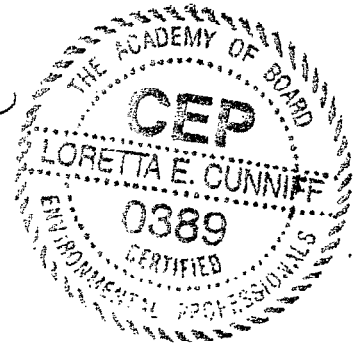
All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental Services Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either R. Lee at (631) 344-3148, M. Allocco at (631) 344-3166, or W. Chaloupka at (631) 344-7136.

Sincerely,



Lori Cunniff, CEP  
Division Manager



LEC/MA:rt

Attachments: As noted

cc:	M. Allocco	w/attachments
	W. Chaloupka	w/attachments
	J. Granzen	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo	SCDHS, w/o attachments
	L. Ross	w/o attachments
	T. Sheridan	w/o attachments

EC61ER.01

**ATTACHMENT I**

**Brookhaven National Laboratory  
Potable Water Supply**

**Monthly Bacteriological and Operational  
Reports for August 2001**

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: AUGUST

2001

LOCATION: Water Treatment Facility

Did an emergency occur in any part of the water system? YES \_\_\_\_\_ NO X

Source: Ground Water

Does the system have a chlorination waiver? YES \_\_\_\_\_ NO X

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl <sub>2</sub> Residual	Free Cl <sub>2</sub> Residual	Lime Sodium Hydroxide		
	K Gals	200	Cl <sub>2</sub> use per 24hrs	mg/l			
1	1305	189	11	0.82	7.3		12379678
2	1356	180	9	0.68	7.2		12381044
3	1350	172	8	0.85	7.4		12382394
4	0						
5	0						
6	2514	155	17	0.55	7.5		12384908
7	386	147	8	0.88	7.5		12385894
8	477	136	11	0.89	7.4		12386871
9	1222	127	9	0.67	7.7		12388093
10	1119	119	8	0.75	7.5		12389212
11	0						
12	0						
13	317	118	1	0.54	6.7		12389529
14	489	112	6	0.37	6.7		12389998
15	0	112	0	0.78	7		12389998
16	0	112	0	0.73	6.8		12389998
17	0	112+88	0	0.7	7		12389998
18	0						
19	0						
20	0	200	0	NR	NR		12389998
21	0	200	0	NR	NR		12389998
22	0	200	0	NR	NR		12389998
23	71	200	0	0.06	5.8		12390069
24	1,324	198	2	0.02	5.6		12391393
25	0						
26	0						
27	4,140	153	45	0.14	6.2		12395533
28	1,337	143	10	0.49	7.5		12396870
29	1,398	133	10	0.43	7		12398268
30	1,394	125	8	0.66	6.8		12399662
31	1,373	115	10	0.6	7.4		12401035
TOT	22,662		173				
AVG.	731.03		5.58	No. Days:	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES \_\_\_\_\_ NO X

If yes, check reason's below.

\_\_\_\_\_ Actual number of samples fewer than required.

\_\_\_\_\_ Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

\_\_\_\_\_ Failure to analyze repeat samples.

Does an MCL violation exist? YES \_\_\_\_\_ NO X

If yes, check reason(s) below.

\_\_\_\_\_ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

\_\_\_\_\_ Positive E. Coli result followed by a positive total coliform repeat sample.

\_\_\_\_\_ Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: AC Foster

Date: 9-6-01

Title: Water Systems Supervisor

Certification No. NY0031941

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: AUGUST 2001
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LOCATION: WELL NO. 4

Did an emergency occur in any part of the water system? YES  NO

Source: Ground Water Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION					pH	
	Treated Water	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub>	Totalizer		
		K Gals	Gallons	Cl <sub>2</sub> use per 24hrs	Residual mg/l	Lime Sodium Hydroxide	Daily Totalizer
		130				1479844	
1	0	130	0	NR	NR	1479844	
2	0	130	0	NR	NR	1479844	
3	0	130	0	NR	NR	1479844	
4	0						
5	0						
6	0	130	0	NR	NR	1479844	
7	0	130	0	NR	NR	1479844	
8	0	130	0	NR	NR	1479844	
9	0	130	0	NR	NR	1479844	
10	0	130	0	NR	NR	1479844	
11	0						
12	0						
13	0	130	0	NR	NR	1479844	
14	0	130	0	NR	NR	1479844	
15	0	130	0	NR	NR	1479844	
16	0	130	0	NR	NR	1479844	
17	0	130	0	NR	NR	1479844	
18	0						
19	0						
20	0	130	0	NR	NR	1479844	
21	0	130	0	NR	NR	1479844	
22	0	130	0	NR	NR	1479844	
23	0	130	0	NR	NR	1479844	
24	0	130	0	NR	NR	1479844	
25	0						
26	0						
27	0	130	0	NR	NR	1479844	
28	0	130	0	NR	NR	1479844	
29	0	130	0	NR	NR	1479844	
30	0	130	0	NR	NR	1479844	
31	0	130	0	NR	NR	1479844	
TOT	0		0				
AVG.	0.00		0.00	No Days	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES  NO

if yes, check reason's below

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat or high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

if yes, check reason(s) below

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *JC Ross*

Date: 9-6-01

Title: Water Systems Supervisor

Certification No. NY0031941

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: AUGUST

2001

LOCATION: WELL NO. 6

Did an emergency occur in any part of the water system? YES  NO

Source: Ground Water

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub> Residual	Lime Sodium Hydroxide	207334	
		Gallons	Cl <sub>2</sub> use per 24hrs	mg/l			
1	688	164	21	1.3	5.8	208322	
2	816	148	16	1.2	5.9	209138	
3	727	135+65	13	0.04	5.8	209935	
4	0						
5	0						
6	1,150	186	14	0.06	6	211125	
7	603	175	11	0.02	6	211728	
8	540	161	14	0.06	6.2	212268	
9	531	153	8	0.05	6	212799	
10	532	145+35	8	0.08	6	213332	
11	0						
12	0						
13	112	174	6	NR	NR	213444	
14	2,171	169	5	NR	NR	215615	
15	0	169	0	NR	NR	215615	
16	0	169	0	NR	NR	215615	
17	0	169	0	NR	NR	215615	
18	0						
19	0						
20	0	167	2	NR	NR	215615	
21	0	167	0	NR	NR	215615	
22	0	167	0	NR	NR	215615	
23	77	167	0	0.06	5.8	215692	
24	710	151	16	0.02	5.8	216402	
25	0						
26	0						
27	1,748	118	33	0.14	6.2	218150	
28	538	108	10	0.39	6.4	218688	
29	488	99	9	0.03	6.1	219176	
30	482	90	9	0.18	6.2	219658	
31	505	80	10	0.1	5.8	220163	
TOT	12,829		205				
AVG.	413.84		6.61	No. Days:	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *Ed Lee*

Date: 9-6-01

Title: Water Systems Supervisor

Certification No. NY0031941

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: AUGUST

2001

LOCATION: WELL NO. 7

Did an emergency occur in any part of the water system? YES  NO

Source: Ground Water

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub> Residual	Lime	Sodium Hydroxide	
		K Gals	Gallons	Cl <sub>2</sub> use per 24hrs	mg/l		
1	1,330	137	23	1.3	5.8	565512	
2	1,365	105	32	1.2	5.9	568207	
3	1,343	80+120	25	0.04	5.8	569550	
4	0						
5	0						
6	2,770	159	41	0.06	6.1	572320	
7	1,097	146	13	0.02	6	573417	
8	1,067	131	15	0.06	6.2	574484	
9	1,151	120	11	0.05	6	575635	
10	989	110+90	10	0.08	6	576624	
11	0						
12	0						
13	317	198	2	NR	NR	576941	
14	300	194	4	NR	NR	577241	
15	0	194	0	NR	NR	577241	
16	0	194	0	NR	NR	577241	
17	0	194	0	NR	NR	577241	
18	0						
19	0						
20	0	194	0	NR	NR	577241	
21	0	194	0	NR	NR	577241	
22	0	194	0	NR	NR	577241	
23	0	194	0	0.06	5.8	577241	
24	335	180	14	0.02	5.8	577576	
25	0						
26	0						
27	3,811	150	30	0.14	6.2	581387	
28	1,395	140	10	0.39	6.4	582782	
29	1,409	130	10	0.03	6.1	584191	
30	1,441	125	5	0.18	6.2	585632	
31	1,313	115	10	0.1	5.8	586945	
TOT	21,433		255				
AVG.	691.39		8.23	No. Days:	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat or high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or turb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: J.C. Ross

Date: 9-6-01

Title: Water Systems Supervisor

Certification No. NY0031941

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: AUGUST 2001
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LOCATION: WELL NO. 10

Did an emergency occur in any part of the water system? YES  NO

Source: Ground Water

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 764243
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub> Residual mg/l	Lime Sodium Hydroxide		
		Galions	Cl <sub>2</sub> use per 24hrs				
1	0	58	0	NR	NR	764243	
2	0	58	0	NR	NR	764243	
3	0	58	0	NR	NR	764243	
4	0						
5	0						
6	0	58	0	NR	NR	764243	
7	0	58	0	NR	NR	764243	
8	0	58	0	NR	NR	764243	
9	0	58	0	NR	NR	764243	
10	0	58	0	NR	NR	764243	
11	0						
12	0						
13	0	58	0	NR	NR	764243	
14	0	58	0	NR	NR	764243	
15	0	58	0	NR	NR	764243	
16	0	58	0	NR	NR	764243	
17	0	58	0	NR	NR	764243	
18	0						
19	0						
20	0	58	0	NR	NR	764243	
21	0	58	0	NR	NR	764243	
22	0	58	0	NR	NR	764243	
23	0	58	0	NR	NR	764243	
24	0	58	0	NR	NR	764243	
25	0						
26	0						
27	0	58	0	NR	NR	764243	
28	0	58	0	NR	NR	764243	
29	0	58	0	NR	NR	764243	
30	0	58	0	NR	NR	764243	
31	0	58	0	NR	NR	764243	
TOT	0		0				
AVG.	0.00		0.00	No. Days:	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *[Signature]*

Date: 9-6-01

Title: Water Systems Supervisor

Certification No. NY0031941



# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: AUGUST

2001

LOCATION: WELL NO. 11

Did an emergency occur in any part of the water system? YES  NO

Source: Ground Water

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub>	Lime	Sodium Hydroxide	
		Gallons	Cl <sub>2</sub> use per 24hrs	Residual mg/l			
1	189	142	6	0.62	6.8		350720
2	89	142	0	0.42	7.5		350809
3	196	140	2	NR	NR		351005
4	0						
5	0						
6	293	140	0	NR	NR		351298
7	283	139	1	0.68	6.7		351581
8	246	137	2	NR	NR		351827
9	304	135	2	NR	NR		352131
10	335	134	1	NR	NR		352466
11	0						
12	0						
13	4 609	103	31	NR	NR		357075
14	868	96	7	NR	NR		357943
15	619	80	16	0.5	7.3		358562
16	550	73	7	0.48	7.3		359112
17	777	64+86	9	0.5	7.2		359889
18	0						
19	0						
20	1 982	125	25	1.6	6.4		361871
21	948	111	14	0.85	7.4		362819
22	825	95	6	0.85	7.5		363644
23	630	95	0	0.55	7.5		364274
24	151	95	0	0.3	6.8		364425
25	0						
26	0						
27	74	95	0	0.25	7.1		364499
28	151	95	0	0.41	7.1		364650
29	2	95	0	0.31	7.3		364652
30	5	95	0	0.45	7.6		364657
31	0	90	5	0.55	7.7		364657
TOT	14 125		134				
AVG.	455.68		4.32	No. Days:	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample

Failure to analyze repeat samples

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by

*J.C. Reilly*

Date:

9-6-01

Title: Water Systems Supervisor

Certification No NY0031941

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: AUGUST 2001
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LOCATION: WELL NO. 12

Did an emergency occur in any part of the water system? YES  NO

Source: Ground Water Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 324954
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
	K Gals	Gallons	Cl2 use per 24hrs	mg/l			
1	9	198	2	0.5	7.4	324954	
2	411	198	0	0.64	7.8	325365	
3	748	198	0	0.6	7.8	326113	
4	0						
5	9						
6	2,862	178	20	0.8	8.1	328975	
7	1,128	170	8	0.68	8.1	330103	
8	412	168	2	0.52	7.9	330515	
9	675	160	8	0.66	8.2	331190	
10	767	159+41	1	0.67	8	331957	
11	0						
12	0						
13	2,734	179	21	0.62	7.8	334691	
14	1,159	171	8	0.82	7.9	335850	
15	1,489	160	11	0.81	8	337339	
16	1,474	149	11	0.84	7.8	338813	
17	1,493	140+60	9	0.8	7.8	340306	
18	0						
19	0						
20	4,460	170	30	0.84	6.7	344766	
21	1,402	160	10	0.86	7.6	346168	
22	1,464	150	10	0.99	7.5	347632	
23	1,393	140	10	0.95	7.7	349025	
24	386	137	3	0.78	7.5	349411	
25	0						
26	0						
27	362	132	5	0.32	7.4	349773	
28	458	130	2	0.65	7.5	350231	
29	285	129	1	0.58	7.5	350516	
30	468	125	4	0.65	7.6	350984	
31	494	125	0	0.71	7.6	351478	
TOT	26,524		176				
AVG.	855.61		5.68	No. Days:	31		

Population Served 3,500

Number of routine samples 7

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 4

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *J. E. [Signature]*

Date: 9-6-01

Title: Water Systems Supervisor

Certification No. NY0031941

9/6/01  
Pump Data

MONTHLY GALLONAGE REPORT  
2001AUGUST

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	988	1,330	0	189	0	2,507
2	0	816	1,365	0	89	411	2,681
3	0	797	1,343	0	196	748	3,084
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	1,190	2,770	0	293	2,862	7,115
7	0	603	1,097	0	283	1,128	3,111
8	0	540	1,067	0	246	412	2,265
9	0	531	1,151	0	304	675	2,661
10	0	533	989	0	335	767	2,624
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	112	317	0	4,609	2,734	7,772
14	0	2,171	300	0	868	1,159	4,498
15	0	0	0	0	619	1,489	2,108
16	0	0	0	0	550	1,474	2,024
17	0	0	0	0	777	1,493	2,270
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	1,982	4,460	6,442
21	0	0	0	0	948	1,402	2,350
22	0	0	0	0	825	1,464	2,289
23	0	77	0	0	630	1,393	2,100
24	0	710	335	0	151	386	1,582
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	1,748	3,811	0	74	362	5,995
28	0	538	1,395	0	151	458	2,542
29	0	488	1,409	0	2	285	2,184
30	0	482	1,441	0	5	468	2,396
31	0	505	1,313	0	0	494	2,312
Total	0	12,829	21,433	0	14,126	26,524	74,912

	Totalizer This Month	Totalizer Last Month	Total(x1,000) Gallons
Well 4	1,479,844	1,479,844	0
Well 6	220,163	207,334	12,829
Well 7	586,945	565,512	21,433
Well 10	764,243	764,243	0
Well 11	364,657	350,531	14,126
Well 12	351,478	324,954	26,524

AGS Water Supply Meter	289,525	280,387	9138.00
Medical Reactor - Well 105	91,710,910	91,710,910	0.00
Biology Building - Well 9	6,141,960	6,129,730	12.23

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-001A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID : 5111891  
Collected : 8/3/01 10:40:00 AM  
Received : 8/3/01 4:37:00 PM  
Collected By : CLIENT  
Copies To : BOB LEE

Client ID. : 8449-001

Point No : 1  
Location : B-49 WATER TOWER

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-002A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID : 5111891

Client ID. : 8449-002

Collected : 8/3/01 1:30:00 PM

Point No : 2

Received : 8/3/01 4:37:00 PM

Location : B-640 WATER TOWER

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-003A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID 5111891

Client ID. : 8449-003

Collected : 8/3/01 11:10:00 AM

Point No : 3

Received : 8/3/01 4:37:00 PM

Location : B-1005 RHIC

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.1	mg/L		M4500-Cl G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-004A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID 5111891

Client ID. : 8449-004

Collected : 8/3/01 10:30:00 AM

Point No : 4

Received : 8/3/01 4:37:00 PM

Location : B-363 APT.LAUNDRY

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-CI G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-005A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID 5111891

Client ID. : 8449-005

Collected : 8/3/01 12:50:00 PM

Point No : 23

Received : 8/3/01 4:37:00 PM

Location : B-725 NSLS

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.2	mg/L		M4500-Cl G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01





# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-006A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID 5111891

Client ID. : 8449-006

Collected : 8/3/01 1:55:00 PM

Point No : 24

Received : 8/3/01 4:37:00 PM

Location : B-490 BLOCK 1 AFC

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.3	mg/L		M4500-Cl G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : TONY ROSS

Lab No. : 0108114-007A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID : 5111891

Client ID. : 8449-007

Collected : 8/3/01 1:30:00 PM

Point No : 25

Received : 8/3/01 4:37:00 PM

Location : B-490 BLOCK 4 MRC

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	8/3/01 6:15:00 PM
E_Coliform	Absent		Absent	M9223	8/3/01 6:15:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	8/3/01

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/6/01



**ATTACHMENT II**

**Brookhaven National Laboratory  
Potable Water Supply**

**August 2001 Biweekly Water Quality Monitoring Data for  
the BNL Potable Water Wells  
and  
Quarterly Water Quality Data for the BNL Distribution System**

**Attachment II**  
**Table 1**  
**Summary of Water Quality Analyses**  
**for the BNL Potable Water System**  
**August 2001**

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	8/2/01	7.2	58	127.6	NR	NR
WTP	8/7/01	7.5	59	129	NR	NR
WTP	8/9/01	7.7	57	130	NR	NR
WTP	8/14/01	6.7	58	148	NR	NR
WTP	8/16/01	6.8	57	157	NR	NR
WTP	8/21/01	7.0	58	177	NR	NR
WTP	8/23/01	7.5	66	131	NR	NR
WTP	8/28/01	7.6	56	121	NR	NR
WTP	8/30/01	6.8	56	225	NR	NR
Well 11	8/2/01	7.5	56	191	NR	NR
Well 11	8/7/01	6.7	56	193	NR	NR
Well 11	8/14/01	6.6	55	233	NR	NR
Well 11	8/16/01	7.3	55	196	NR	NR
Well 11	8/21/01	7.4	55	203	NR	NR
Well 11	8/23/01	7.5	55	166	NR	NR
Well 11	8/28/01	7.1	56	173	NR	NR
Well 11	8/30/01	7.6	55	173	NR	NR
Well 12	8/2/01	7.8	56	200	NR	NR
Well 12	8/7/01	6.1	56	163	NR	NR
Well 12	8/9/01	8.2	56	164	NR	NR
Well 12	8/14/01	7.9	56	251	NR	NR
Well 12	8/16/01	7.8	56	160	NR	NR
Well 12	8/21/01	7.6	56	161	NR	NR
Well 12	8/23/01	7.7	56	168	NR	NR
Well 12	8/28/01	7.5	56	155.4	NR	NR
Well 12	8/30/01	7.6	56	168	NR	NR
Bldg. 363	7/12/01	8.1	58	150	14.1	6.1
Bldg. 640	7/12/01	7.8	56	173	15.6	7.1
Bldg. 49	7/12/01	7.9	58	250	35.7	4.4

NR - Analysis Not Required or Not Reported

WTP - Water Treatment Plant

**Note:** Field parameters are only conducted for facilities that are in operation on the day of measurement.

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107368-003A

Sample Information...  
Type : Potable Water  
Origin : Tank  
Routine

Federal ID : 5111891

Client ID. : 8446-010

Collected : 7/12/01 9:15:00 AM

Point No : 4

Received : 7/12/01 2:45:00 PM

Location : B-363 APT.LAUNDRY

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	8.1	pH units		E150.1	7/12/01
Alkalinity, Total (As CaCO3)	14.1	mg/L		M2320 B	7/16/01 9:41:00 AM
Specific Conductance	150	µmhos/cm		E120.1	7/12/01 12:02:00 AM
Temperature	58	°C		E170.1	7/12/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/30/01





# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107368-002A

Sample Information...  
Type : Potable Water  
Origin : Other  
Routine

Federal ID : 5111891

Client ID. : 8446-009

Collected : 7/12/01 10:20:00 AM

Point No : 2

Received : 7/12/01 2:45:00 PM

Location : B-640 WATER TOWER

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	7.8	pH units		E150.1	7/12/01
Alkalinity, Total (As CaCO3)	15.6	mg/L		M2320 B	7/16/01 9:18:00 AM
Specific Conductance	173	µmhos/cm		E120.1	7/12/01 12:01:00 AM
Temperature	56	°C		E170.1	7/12/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/30/01

  
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# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107368-001A

Sample Information...  
Type : Potable Water  
Origin : Other  
Routine

Federal ID 5111891

Client ID. : 8446-008

Collected : 7/12/01 9:40:00 AM

Point No : 1

Received : 7/12/01 2:45:00 PM

Location : B-49 WATER TOWER

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
pH	7.9	pH units		E150.1	7/12/01
Alkalinity, Total (As CaCO3)	35.7	mg/L		M2320 B	7/16/01 9:13:00 AM
Specific Conductance	250	µmhos/cm		E120.1	7/12/01
Temperature	58	°C		E170.1	7/12/01

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/30/01





**ATTACHMENT III**

**Brookhaven National Laboratory  
Potable Water Supply**

**2001 Third Quarter Principal Organic Compound Analyses  
for the BNL Potable Water Wells**

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Lab No. : 0107365-009B

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

Federal ID 5111891

Client ID. : 8445-009

Collected : 7/12/01 11:15:00 AM

Point No : 9

Received : 7/12/01 2:45:00 PM

Location : WELL #6 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 12:24:55 AM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Chloroform	< 0.5	µg/L	50	E502.2	7/26/01 12:24:55 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 12:24:55 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 12:24:55 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 12:24:55 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-009B

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID 5111891

Client ID. : 8445-009

Collected : 7/12/01 11:15:00 AM

Point No : 9

Received : 7/12/01 2:45:00 PM

Location : WELL #6 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 12:24:55 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:24:55 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Lab No. : 0107365-010B

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

Federal ID 5111891

Client ID. : 8445-010

Collected : 7/12/01 11:20:00 AM

Point No : 10

Received : 7/12/01 2:45:00 PM

Location : WELL #7 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 1:27:37 AM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Chloroform	1.1	µg/L	50	E502.2	7/26/01 1:27:37 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 1:27:37 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 1:27:37 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 1:27:37 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-010B

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID : 5111891

Client ID : 8445-010

Collected : 7/12/01 11:20:00 AM

Point No : 10

Received : 7/12/01 2:45:00 PM

Location : WELL #7 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 1:27:37 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:27:37 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

Lab No. : 0107365-011B

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Federal ID 5111891

Client ID. : 8445-011

Collected : 7/12/01 11:05:00 AM

Point No : 11

Received : 7/12/01 2:45:00 PM

Location : WELL #10 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 2:30:07 AM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Chloroform	< 0.5	µg/L	50	E502.2	7/26/01 2:30:07 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 2:30:07 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 2:30:07 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 2:30:07 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01





# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-011B

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID 5111891

Client ID. : 8445-011

Collected : 7/12/01 11:05:00 AM

Point No : 11

Received : 7/12/01 2:45:00 PM

Location : WELL #10 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 2:30:07 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:30:07 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYS DOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-012B

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID : 5111891  
Collected : 7/12/01 10:58:00 AM  
Received : 7/12/01 2:45:00 PM  
Collected By : CLIENT  
Copies To : TONY ROSS

Client ID. : 8445-012

Point No : 11 *1112*  
Location : WELL # ~~10~~ RAW

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 3:32:49 AM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Chloroform	< 0.5	µg/L	50	E502.2	7/26/01 3:32:49 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 3:32:49 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 3:32:49 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 3:32:49 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



S 0040

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-012B

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID : 5111891

Client ID. : 8445-012

Collected : 7/12/01 10:58:00 AM

Point No : 11

Received : 7/12/01 2:45:00 PM

Location : WELL #11 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 3:32:49 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 3:32:49 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973

Attn To : BOB LEE

Federal ID 5111891

Collected : 7/12/01 10:45:00 AM

Received : 7/12/01 2:45:00 PM

Collected By : CLIENT

Copies To : TONY ROSS

Lab No. : 0107365-013B

Client ID. : 8445-013

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

Point No : 13

Location : WELL #12 RAW

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 4:35:16 AM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Chloroform	0.7	µg/L	50	E502.2	7/26/01 4:35:16 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 4:35:16 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 4:35:16 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 4:35:16 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

Lab No. : 0107365-013B

### Sample Information...

Type : Potable Water  
Origin : Raw Well  
Routine

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Federal ID 5111891

Client ID. : 8445-013

Collected : 7/12/01 10:45:00 AM

Point No : 13

Received : 7/12/01 2:45:00 PM

Location : WELL #12 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 4:35:16 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 4:35:16 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-019A

Sample Information...  
Type : Potable Water  
Origin : Treated Well  
Routine

Federal ID : 5111891  
Collected : 7/12/01 9:00:00 AM  
Received : 7/12/01 2:45:00 PM  
Collected By : CLIENT  
Copies To : TONY ROSS

Client ID. : 8446-005

Point No : 19  
Location : WELL #10 TREATED

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 11:32:10 AM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Chloroform	< 0.5	µg/L	50	E502.2	7/26/01 11:32:10 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 11:32:10 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 11:32:10 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 11:32:10 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-019A

Sample Information...  
Type : Potable Water  
Origin : Treated Well  
Routine

Federal ID 5111891

Client ID. : 8446-005

Collected : 7/12/01 9:00:00 AM

Point No : 19

Received : 7/12/01 2:45:00 PM

Location : WELL #10 TREATED

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 11:32:10 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 11:32:10 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID #10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Lab No. : 0107365-020A

Sample Information...

Type : Potable Water

Origin : Treated Well

Routine

Federal ID : 5111891

Client ID. : 8446-006

Collected : 7/12/01 10:13:00 AM

Point No : 20

Received : 7/12/01 2:45:00 PM

Location : WELL #11 TREATED

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 12:35:18 PM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Chloroform	< 0.5	µg/L	50	E502.2	7/26/01 12:35:18 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 12:35:18 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 12:35:18 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 12:35:18 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01





## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-020A

Sample Information...  
Type : Potable Water  
Origin : Treated Well  
Routine

Federal ID 5111891

Client ID. : 8446-006

Collected : 7/12/01 10:13:00 AM

Point No : 20

Received : 7/12/01 2:45:00 PM

Location : WELL #11 TREATED

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 12:35:18 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 12:35:18 PM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



S 0054

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-021A

Sample Information...  
Type : Potable Water  
Origin : Treated Well  
Routine

Federal ID : 5111891  
Collected : 7/12/01 10:30:00 AM  
Received : 7/12/01 2:45:00 PM  
Collected By : CLIENT  
Copies To : TONY ROSS

Client ID. : 8446-007

Point No : 21  
Location : WELL #12 TREATED

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 1:37:48 PM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Chloroform	0.5	µg/L	50	E502.2	7/26/01 1:37:48 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	7/26/01 1:37:48 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 1:37:48 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 1:37:48 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-021A

Sample Information...  
Type : Potable Water  
Origin : Treated Well  
Routine

Federal ID 5111891

Client ID. : 8446-007

Collected : 7/12/01 10:30:00 AM

Point No : 21

Received : 7/12/01 2:45:00 PM

Location : WELL #12 TREATED

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 1:37:48 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 1:37:48 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01

  
S 0056

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : S. SCARPITTA

Lab No. : 0107558-001A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID : 5111891  
Collected : 7/18/01 2:15:00 PM  
Received : 7/18/01 3:00:00 PM  
Collected By :  
Copies To : BOB LEE

Client ID. : 8448-001

Point No : 22  
Location : BLDG. 624 WTP

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Chloromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	7/26/01 2:40:36 PM
Bromomethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Chloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Chloroform	< 0.5	µg/L	50	E502.2	7/26/01 2:40:36 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Bromodichloromethane	0.6	µg/L	50	E502.2	7/26/01 2:40:36 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	7/26/01 2:40:36 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Bromoform	< 0.5	µg/L	50	E502.2	7/26/01 2:40:36 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/21/01



S 0057

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : S. SCARPITTA

Lab No. : 0107558-001A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID 5111891

Client ID. : 8448-001

Collected : 7/18/01 2:15:00 PM

Point No : 22

Received : 7/18/01 3:00:00 PM

Location : BLDG. 624 WTP

Collected By :

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Benzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Toluene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
o-Xylene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Styrene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	7/26/01 2:40:36 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	7/26/01 2:40:36 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/21/01



S 0058

**ATTACHMENT IV**

**Brookhaven National Laboratory  
Potable Water Supply**

**2001 Third Quarter Bacteriological Reports for  
the BNL Potable Water Wells**

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973

Lab No. : 0107365-009

Sample Information...

Type : Potable Water

Origin: Raw Well

Attn To : BOB LEE

Federal ID : 5111891

Client ID. : 8445-009

Collected : 7/12/01 11:15:00 AM

Point No:

Received : 7/12/01 2:45:00 PM

Location:

*New #6*

Collected By CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



**S 0033**

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Lab No. : 0107365-010

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID : 5111891

Client ID. : 8445-010

Collected : 7/12/01 11:20:00 AM

Point No:

Received : 7/12/01 2:45:00 PM

Location:

*Well #7*

Collected By CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



S 0036



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-011

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID : 5111891

Client ID. : 8445-011

Collected : 7/12/01 11:05:00 AM

Point No:

Received : 7/12/01 2:45:00 PM

Location:

*Well #10*

Collected By CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



**S 0039**

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID#10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-012

Sample Information...  
Type : Potable Water  
Origin: Raw Well

Federal ID : 5111891  
Collected : 7/12/01 10:58:00 AM  
Received : 7/12/01 2:45:00 PM  
Collected By CLIENT  
Copies To : TONY ROSS

Client ID. : 8445-012

Point No:  
Location: *Well # 11*

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



S 0042

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-013

Sample Information...  
Type : Potable Water  
Origin: Raw Well

Federal ID : 5111891

Client ID. : 8445-013

Collected : 7/12/01 10:45:00 AM

Point No:

Received : 7/12/01 2:45:00 PM

Location:

*Well #12*

Collected By CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



S 0045

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-014

Sample Information...  
Type : Potable Water  
Origin:

Federal ID : 5111891  
Collected : 7/12/01 1:30:00 PM  
Received : 7/12/01 2:45:00 PM  
Collected By CLIENT  
Copies To : TONY ROSS

Client ID. : 8445-014

Point No:  
Location: *WTF Packed Tower Bldg. 648*

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01

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S 0046

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631)694-3040 . FAX: (631)420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-015

Sample Information...  
Type : Potable Water  
Origin:

Federal ID : 5111891

Client ID. : 8446-001

Collected : 7/12/01 11:08:00 AM

Point No:

Received : 7/12/01 2:45:00 PM

Location:

Well #10 GAC Filter Bldg. 654

Collected By CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



S 0047

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631)694-3040. FAX: (631)420-8436 NYSDOH ID#10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-016

Sample Information...  
Type : Potable Water  
Origin:

Federal ID : 5111891  
Collected : 7/12/01 10:55:00 AM  
Received : 7/12/01 2:45:00 PM  
Collected By CLIENT  
Copies To : TONY ROSS

Point No:  
Location:

Client ID. : 8446-002

Well # 11 GAC Filter Bldg. 655

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 7/30/01



## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107365-017

Sample Information...  
Type : Potable Water  
Origin:

Federal ID : 5111891

Client ID. : 8446-003

Collected : 7/12/01 10:50:00 AM

Point No:

Received : 7/12/01 2:45:00 PM

Location:

Collected By CLIENT

*Well #12 GAC Filter Bldg. 657*

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	7/13/01 10:45:00 AM
E_Coliform	Absent		Absent	M9223	7/13/01 10:45:00 AM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.



Date Reported : 7/30/01

**ATTACHMENT V**

**Brookhaven National Laboratory  
Potable Water Supply**

**2001 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for  
the BNL Potable Water Wells  
and  
the BNL Distribution System**



1  
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

8447-001

Lab Name: H2M\_LABS, INC.

Contract: \_\_\_\_\_

Lab Code: 10478

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: BNLM110

Matrix (soil/water): WATER

Lab Sample ID: 0107364-001

Level (low/med): LOW

Date Received: 07/12/01

Solids: \_\_\_\_\_

Concentration Units (ug/L or mg/kg dry weight):

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.80	U		F
7440-38-2	Arsenic	0.80	U		F
7440-39-3	Barium	22.2	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.80	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	166			P
7439-92-1	Lead	6.2		W	F
7439-95-4	Magnesium				NR
7439-96-5	Manganese	121			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.2	B		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	2.4	B	W	F
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	12800		E	P
7440-28-0	Thallium	0.70	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	40.2			P
	Cyanide	10.0	U		CA

BNL Distribution System  
Bldg. 185 Mens Room

Color Before: COLORLESS

Clarity Before: CLEAR

Texture: \_\_\_\_\_

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: \_\_\_\_\_

Comments:

DATE REPORTED 8/15/01

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107364-001A

Sample Information...  
Type : Potable Water  
Origin : Dist.  
Routine

Federal ID : 5111891  
Collected : 7/12/01 1:00:00 PM  
Received : 7/12/01 2:10:00 PM  
Collected By : CLIENT  
Copies To : TONY ROSS

Point No : 18  
Location : B-185 MEN'S ROOM

Client ID. : 8447-001

MS/MSD ICP/FURNACE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	24.1	mg/L	250	E325.2	7/24/01 5:36:58 PM
Color	< 5	units	15	E110.2	7/13/01 11:02:00 AM
Specific Conductivity	146	µmhos/cm		M2510 B	7/25/01 9:43:00 AM
Fluoride	< 0.10	mg/L	2.2	M4500F C	7/18/01 1:40:00 PM
MBAS	< 0.08	mg/L		E425.1	7/13/01 10:40:00 AM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	7/25/01 4:42:42 PM
Nitrite as N	< 0.10	mg/L	1	E353.2	7/13/01 7:48:10 PM
Nitrate as N	0.25	mg/L	10	E353.2	7/24/01 1:10:07 PM
Odor	0	units	3	E140.1	7/13/01 11:01:00 AM
pH	7.1	pH Units		E150.1	7/18/01 5:00:00 PM
Sulfate	7.8	mg/L	250	E375.2	7/14/01 2:10:43 PM

Result(s) reported meet(s) Regulatory Limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported :



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

## LABORATORY RESULTS

Lab No. : 0107364-003A

### Sample Information...

Type : Potable Water  
Origin : Raw Well  
Routine

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Federal ID 5111891

Client ID. : 8447-003

Collected : 7/12/01 11:15:00 AM

Point No : 9

MS/MSD HG ONLY

Received : 7/12/01 2:10:00 PM

Location : WELL #6 RAW

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	14.4	mg/L	250	E325.2	7/24/01 5:37:34 PM
* Color	* 40	units	15	E110.2	7/13/01 11:03:00 AM
Specific Conductivity	109	µmhos/cm		M2510 B	7/25/01 9:46:00 AM
Fluoride	< 0.10	mg/L	2.2	M4500F C	7/18/01 1:45:00 PM
MBAS	< 0.08	mg/L		E425.1	7/13/01 10:45:00 AM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	7/25/01 4:43:25 PM
Nitrite as N	< 0.10	mg/L	1	E353.2	7/13/01 7:50:05 PM
Nitrate as N	0.31	mg/L	10	E353.2	7/24/01 1:10:44 PM
Odor	0	units	3	E140.1	7/13/01 11:02:00 AM
pH	6.1	pH Units		E150.1	7/18/01 5:01:00 PM
Sulfate	8.0	mg/L	250	E375.2	7/14/01 2:15:07 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported :



INORGANIC ANALYSIS DATA SHEET

8447-004

Lab Name: H2M LABS, INC. \_\_\_\_\_ Contract: \_\_\_\_\_  
 Lab Code: 10478\_ Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: BNLM110  
 Matrix (soil/water): WATER\_ Lab Sample ID: 0107364-004\_  
 Level (low/med): LOW\_ Date Received: 07/12/01\_  
 Solids: \_\_\_\_\_

Concentration Units (ug/L or mg/kg dry weight): \_\_\_\_\_ UG/L\_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	0.80	U		F
7440-38-2	Arsenic	1.1	B		F
7440-39-3	Barium	20.7	B		P
7440-41-7	Beryllium	0.30	U		P
7440-43-9	Cadmium	0.30	U		P
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.80	U		P
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron	1620			P
7439-92-1	Lead	1.1	B		F
7439-95-4	Magnesium				NR
7439-96-5	Manganese	51.6			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.5	U		P
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.70	U		F
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	11600		E	P
7440-28-0	Thallium	0.70	U		F
7440-62-2	Vanadium				NR
7440-66-6	Zinc	8.0	B		P
	Cyanide	10.0	U		CA

*Potable Well #7*

Color Before: COLORLESS\_ Clarity Before: CLEAR\_ Texture: \_\_\_\_\_  
 Color After: COLORLESS\_ Clarity After: CLEAR\_ Artifacts: \_\_\_\_\_

Comments:  
 DATE REPORTED 8/15/01 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

BNLM110 S 46

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

Lab No. : 0107364-004A

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Client ID. : 8447-004

Federal ID 5111891

Collected : 7/12/01 11:20:00 AM

Point No : 10

Received : 7/12/01 2:10:00 PM

Location : WELL #7 RAW

Collected By : CLIENT

Copies To : TONY ROSS

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Chloride	22.2	mg/L	250	E325.2	7/24/01 5:38:17 PM
* Color	* 30	units	15	E110.2	7/13/01 11:04:00 AM
Specific Conductivity	135	µmhos/cm		M2510 B	7/25/01 9:47:00 AM
Fluoride	< 0.10	mg/L	2.2	M4500F C	7/18/01 1:50:00 PM
MBAS	< 0.08	mg/L		E425.1	7/13/01 10:50:00 AM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	7/25/01 4:44:02 PM
Nitrite as N	< 0.10	mg/L	1	E353.2	7/13/01 7:50:48 PM
Nitrate as N	0.21	mg/L	10	E353.2	7/24/01 1:11:21 PM
Odor	0	units	3	E140.1	7/13/01 11:03:00 AM
pH	6.3	pH Units		E150.1	7/18/01 5:02:00 PM
Sulfate	8.0	mg/L	250	E375.2	7/14/01 2:16:37 PM

Potable Well #7

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported :





# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 .FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : BOB LEE

Lab No. : 0107364-005A

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

Federal ID 5111891

Client ID. : 8447-005

Collected : 7/12/01 11:05:00 AM

Point No : 11

Received : 7/12/01 2:10:00 PM

Location : WELL #10 RAW

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	19.7	mg/L	250	E325.2	7/24/01 5:38:57 PM
Color	< 5	units	15	E110.2	7/13/01 11:05:00 AM
Specific Conductivity	168	µmhos/cm		M2510 B	7/25/01 9:48:00 AM
Fluoride	< 0.10	mg/L	2.2	M4500F C	7/18/01 1:55:00 PM
MBAS	< 0.08	mg/L		E425.1	7/13/01 10:55:00 AM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	7/25/01 4:45:59 PM
Nitrite as N	< 0.10	mg/L	1	E353.2	7/13/01 7:51:28 PM
Nitrate as N	0.33	mg/L	10	E353.2	7/24/01 1:12:06 PM
Odor	0	units	3	E140.1	7/13/01 11:04:00 AM
pH	7.2	pH Units		E150.1	7/18/01 5:03:00 PM
Sulfate	8.1	mg/L	250	E375.2	7/14/01 2:18:08 PM

Potable Well #10

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported :







# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID#10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107364-006A

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID 5111891

Client ID. : 8447-006

Collected : 7/12/01 10:58:00 AM

Point No : 12

Received : 7/12/01 2:10:00 PM

Location : WELL #11 RAW

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	27.3	mg/L	250	E325.2	7/24/01 5:39:36 PM
Color	< 5	units	15	E110.2	7/13/01 11:06:00 AM
Specific Conductivity	166	µmhos/cm		M2510 B	7/25/01 9:49:00 AM
Fluoride	< 0.10	mg/L	2.2	M4500F C	7/18/01 2:00:00 PM
MBAS	< 0.08	mg/L		E425.1	7/13/01 11:00:00 AM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	7/25/01 4:46:42 PM
Nitrite as N	< 0.10	mg/L	1	E353.2	7/13/01 7:52:05 PM
Nitrate as N	0.38	mg/L	10	E353.2	7/24/01 1:12:49 PM
Odor	0	units	3	E140.1	7/13/01 11:05:00 AM
pH	6.6	pH Units		E150.1	7/18/01 5:04:00 PM
Sulfate	8.5	mg/L	250	E375.2	7/14/01 2:19:42 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported :





# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : BOB LEE

Lab No. : 0107364-007A

Sample Information...  
Type : Potable Water  
Origin : Raw Well  
Routine

Federal ID : 5111891

Client ID. : 8447-007

Collected : 7/12/01 10:45:00 AM

Point No : 13

Received : 7/12/01 2:10:00 PM

Location : WELL #12 RAW

Collected By : CLIENT

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	14.5	mg/L	250	E325.2	7/24/01 5:41:37 PM
Color	< 5	units	15	E110.2	7/13/01 11:07:00 AM
Specific Conductivity	125	µmhos/cm		M2510 B	7/25/01 9:50:00 AM
Fluoride	< 0.10	mg/L	2.2	M4500F C	7/18/01 2:05:00 PM
MBAS	< 0.08	mg/L		E425.1	7/13/01 11:05:00 AM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	7/25/01 4:47:22 PM
Nitrite as N	< 0.10	mg/L	1	E353.2	7/13/01 7:52:48 PM
Nitrate as N	0.40	mg/L	10	E353.2	7/24/01 1:13:28 PM
Odor	0	units	3	E140.1	7/13/01 11:06:00 AM
pH	6.5	pH Units		E150.1	7/18/01 5:05:00 PM
Sulfate	8.2	mg/L	250	E375.2	7/14/01 2:21:05 PM

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported :



**ATTACHMENT VI**

**Brookhaven National Laboratory  
Potable Water Supply**

**2001 Annual Synthetic Organic Chemical and Pesticides Analytical Results  
for the BNL Potable Water Wells  
and  
the BNL Distribution System**

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-008

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-008A

Sample wt/vol:

Lab File ID: LC00497

Level: (low/med) LOW

Date Received: 7/12/01

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_

Date Extracted:

02 8/9/01

Concentrated Extract Volume:

Date Analyzed: 07/28/01

Injection Volume: 400.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

1646-87-3	ALDICARB SULFOXIDE	1.0	U
1646-88-4	ALDICARB SULFONE	1.0	U
23135-22-0	OXAMYL	1.0	U
16752-77-5	METHOMYL	1.0	U
16655-82-6	3-HYDROXYCARBOFURAN	1.0	U
1563-56-2	CARBOFURAN	1.0	U
63-25-2	CARBARYL	1.0	U
116-06-3	ALDICARB	1.0	U

Composite Wells #6 and #7  
Well #4 out of service

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-008

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-008A

Sample wt/vol: 250.0 (g/mL) ML

Lab File ID: DIQ\_286

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc)

Date Extracted: 07/13/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/31/01

Injection Volume: 200.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
85-00-7	DIQUAT	1.0	U

Composite of Wells #6 and #7  
Well #4 out of service

8447-008

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-008A

Sample wt/vol: 1.000 (g/mL) ML

Lab File ID: GLY0210

% Moisture: \_\_\_\_\_ decanted: (Y/N)\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc)

Date Extracted:

Concentrated Extract Volume:

Date Analyzed: 07/31/01

Injection Volume: 100.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

1071-83-6-----	GLYPHOSATE	10	U
----------------	------------	----	---

Composite Wells #6 and #7  
Well #4 Out of Service

8447-008

Lab Name: H2M Labs, Inc. Contract: 7932

Lab Code: 10478 Case No.: BNLM SAS No.: \_\_\_\_\_ SDG No.: BNLM110

Matrix: (soil/water) Potable Water Lab Sample ID: 0107364-008A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\D08888.D

Level: (low/med) LOW Date Received: 7/12/2001

% Moisture: not dec. Date Analyzed: 8/10/2001

GC Column: RTX-5MS ID: .25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 ( $\mu$ l)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	$\mu$ g/L	Q
77-47-4	Hexachlorocyclopentadiene		0.6	U
1918-16-7	Propachlor		1	U
118-74-1	Hexachlorobenzene		0.3	U
122-34-9	Simazine		0.5	U
1912-24-9	Atrazine		0.5	U
21087-64-9	Metribuzin		0.5	U
15972-60-8	Alachlor		1	U
51218-45-2	Metolachlor		1	U
23184-66-9	Butachlor		1	U
103-23-1	bis(2-Ethylhexyl)adipate		1	U
117-81-7	Bis(2-ethylhexyl)phthalate		3	U
50-32-8	Benzo(a)pyrene		0.1	U

Composite Wells #6 and #7  
Well #4 out of service





FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-003

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-003A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: BE01276

Level: (low/med) LOW

Date Received: 07/12/01

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/16/01

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
106-93-4-----	1,2-DIBROMOETHANE (EDB)	0.02	U
96-12-8-----	1,2-DIBROMO-3-CHLOROPROPANE	0.02	U

Potable Well #6

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-003

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-003A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: DA00203

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc) MICROEXTRAC

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/24/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-06-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
60-57-1	Dieldrin	0.05	U
72-20-8	Endrin	0.05	U
72-43-5	Methoxychlor	0.5	U
57-74-3	Chlordane	0.5	U
8001-35-2	Toxaphene	2.5	U
TOTAL PCB'S		0.5	U

Potable Well #6

FORM 1  
 PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-004
----------

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-004A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: BE01277

Level: (low/med) LOW

Date Received: 07/06/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/12/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/16/01

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
106-93-4-----	1,2-DIBROMOETHANE (EDB)	0.02	U
96-12-8-----	1,2-DIBROMO-3-CHLOROPROPANE	0.02	U

Potable Well #7

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-004

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-004A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: DA00204

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc) MICROEXTRAC

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/24/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO. COMPOUND CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
60-57-1	Dieldrin	0.05	U
72-20-8	Endrin	0.05	U
72-43-5	Methoxychlor	0.5	U
57-74-9	Chlordane	0.5	U
8001-35-2	Toxaphene	2.5	U
TOTAL PCB'S		0.5	U

potable well #7

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-009

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-009A

Sample wt/vol:

Lab File ID: LC00498

Level: (low/med) LOW

Date Received: 7/12/01

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted:

Concentrated Extract Volume:

Date Analyzed: 07/28/01

Injection Volume: 400.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

07  
8/9/01

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
1646-87-3	ALDICARB SULFOXIDE	1.0	U
1646-88-4	ALDICARB SULFONE	1.0	U
23135-22-0	OXAMYL	1.0	U
16752-77-5	METHOMYL	1.0	U
16655-82-6	3-HYDROXYCARBOFURAN	1.0	U
1563-66-2	CARBOFURAN	1.0	U
63-25-2	CARBARYL	1.0	U
116-06-3	ALDICARB	1.0	U

Composite wells #10, #11, and #12

8447-009

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-009A

Sample wt/vol: 1.000 (g/mL) ML

Lab File ID: GLY0211

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc)

Date Extracted:

Concentrated Extract Volume:

Date Analyzed: 07/31/01

Injection Volume: 100.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

1071-83-6-----	GLYPHOSATE	10	U
----------------	------------	----	---

Composite Wells #10, #11, and #12

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-009~~X~~

*αZ 8/10/01*

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-009A

Sample wt/vol: 250.0 (g/mL) ML

Lab File ID: DIQ\_287

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc)

Date Extracted: 07/13/01

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 07/31/01

Injection Volume: 200.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
85-00-7-----	DIQUAT	1.0	U

*Composite Wells #10, #11, and #12*



8447-009

Lab Name: H2M Labs, Inc. Contract: 7932

Lab Code: 10478 Case No.: BNLM SAS No.: \_\_\_\_\_ SDG No.: BNLM110

Matrix: (soil/water) Potable Water Lab Sample ID: 0107364-009A

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\D08902.D

Level: (low/med) LOW Date Received: 7/12/2001

% Moisture: not dec. Date Analyzed: 8/11/2001

GC Column: RTX-5MS ID: .25 (mm) Dilution Factor: 1.00

Extract Volume: 1000 ( $\mu$ l)

## CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	$\mu$ g/L	Q
77-47-4	Hexachlorocyclopentadiene		0.6	U
1918-16-7	Propachlor		1	U
118-74-1	Hexachlorobenzene		0.3	U
122-34-9	Simazine		0.5	U
1912-24-9	Atrazine		0.5	U
21087-64-9	Metribuzin		0.5	U
15972-60-8	Alachlor		1	U
51218-45-2	Metolachlor		1	U
23184-66-9	Butachlor		1	U
103-23-1	bis(2-Ethylhexyl) adipate		1	U
117-81-7	Bis(2-ethylhexyl) phthalate		3	U
50-32-8	Benzo(a) pyrene		0.1	U

Composite Wells #10, #11, and #12



FORM 1  
PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-005

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-005A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: BE01278

Level: (low/med) LOW

Date Received: 07/12/01

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/16/01

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

106-93-4-----	1,2-DIBROMOETHANE (EDB)	0.02	U
96-12-8-----	1,2-DIBROMO-3-CHLOROPROPANE	0.02	U

Portable Well # 10

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-005

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-005A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: DA00205

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc) MICROEXTRAC

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/24/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L Q
58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
60-57-1	Dieldrin	0.05	U
72-20-8	Endrin	0.05	U
72-43-5	Methoxychlor	0.5	U
57-74-9	Chlordane	0.5	U
8001-35-2	Toxaphene	2.5	U
TOTAL PCB'S		0.5	U

Portable Well #10

FORM 1  
 PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-006

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-006A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: BE01279

Level: (low/med) LOW

Date Received: 07/12/01

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/16/01

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
106-93-4-----	1,2-DIBROMOETHANE (EDB)	0.02	U
96-12-8-----	1,2-DIBROMO-3-CHLOROPROPANE	0.02	U

Potable Well # 11

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-006

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-006A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: DA00206

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc) MICROEXTRAC

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/24/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS:	
		(ug/L or ug/Kg)	UG/L
58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
60-57-1	Dieldrin	0.05	U
72-20-8	Endrin	0.05	U
72-43-5	Methoxychlor	0.5	U
57-74-9	Chlordane	0.5	U
8001-35-2	Toxaphene	2.5	U
TOTAL PCB'S		0.5	U

Potable Well # 11

FORM 1  
 PESTICIDE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-007
----------

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-007A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: BE01280

Level: (low/med) LOW

Date Received: 07/12/01

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/16/01

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:  
 (ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

106-93-4-----	1,2-DIBROMOETHANE (EDB)	0.02	U
96-12-8-----	1,2-DIBROMO-3-CHLOROPROPANE	0.02	U

Potable Well #12

FORM 1  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

8447-007

Lab Name: H2M LABS, INC.

Contract:

Lab Code:

Case No.:

SAS No.:

SDG No.: BNLM110

Matrix: (soil/water) WATER

Lab Sample ID: 0107364-007A

Sample wt/vol: 35.00 (g/mL) ML

Lab File ID: DA00207

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 07/12/01

Extraction: (SepF/Cont/Sonc) MICROEXTRAC

Date Extracted: 07/13/01

Concentrated Extract Volume: 2000 (uL)

Date Analyzed: 07/24/01

Injection Volume: 1.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: \_\_\_\_\_

Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
58-89-9	gamma-BHC (Lindane)	0.025	U
76-44-8	Heptachlor	0.025	U
309-00-2	Aldrin	0.025	U
1024-57-3	Heptachlor epoxide	0.025	U
60-57-1	Dieldrin	0.05	U
72-20-8	Endrin	0.05	U
72-43-5	Methoxychlor	0.5	U
57-74-9	Chlordane	0.5	U
8001-35-2	Toxaphene	2.5	U
TOTAL PCB'S		0.5	U

Potable Well #12





Eastern Laboratory Services Ltd

quality ■ accuracy ■ reliability

ENVIRONMENTAL

390 Pennsylvania Avenue

S. Waverly, PA 18840

Phone (570) 888-0169

Fax (570) 888-0717

DATE ISSUED: 08/07/2001

CERTIFICATE OF ANALYSIS

PAGE 1 OF 1

NY DOH # 11216 CT # PH-0201  
PA DEP # 08380 ICR PA017

Client: H2M Labs Inc.  
Environmental & Ind. Analytical Lab  
575 Broad Hollow Road  
Melville NY 11747-5076

Sample ID #: 2001-07-13-373  
Sample Date: 07/12/2001  
Sample Time: 11:05  
Sampled by:  
Received by: TJC  
Date & Time Recd: 07/13/2001 16:25

ATT: Stu Murrell

Project Description: 0107364-005  
Sample Location: 8447-005  
Sample Matrix: DRINKING WATER

Parameter	Results	Detection Limit (DL)		Method	Extracted	Analyzed	Analyst
		Max. Cont. Level (MCL)					

F* EPA 548.1 - Endothall				EPA 548.1	07/17/2001	07/26/2001	
Endothall	ND<0.05 mg/L	100.0 ug/L	MCL				

Reviewed by:   
Irene Chu  
Laboratory Director

F\* Analysis performed by Free-Col Laboratory

Potable Well #10



**ATTACHMENT VII**

**Brookhaven National Laboratory  
Potable Water Supply**

**2001 Annual Asbestos Analytical Results  
for the BNL Potable Water Wells  
and  
the BNL Distribution System**



# EMSL Analytical, Inc.

38 Stonehinge Lane, Carle Place, NY 11514  
Phone (516) 997-7251 Fax (516) 997-7528

H2M Labs, Inc.  
575 Broad Hollow Road  
Melville, NY 11747

July 24, 2001  
Ref Number: Li01-11498  
ELAP 11469  
NVLAP 101049-10

Project: Po#7652

## Asbestos Analysis in Water by Transmission Electron Microscopy (TEM) Performed by NYS ELAP 198.2 EPA 600/4-83-043 (100.1)

SAMPLE ID	#ASBESTOS FIBERS		#NON-ASBESTOS FIBERS	TYPE(S) OF ASBESTOS	ANALYTICAL SENSITIVITY (MFL)		CONCENTRATION OF ASBESTOS FIBERS (MFL)	
	All sizes	>10um			All sizes	>10um	All sizes	>10um
0107370-001A	0	0	None Detected	None Detected	0.25	0.12	0.91	0.46

*Michelle Madonna*  
Analyst

*[Signature]*  
Approved Signatory

Comment: When less than four fibers are detected the concentration is reported as less than the lower confidence limit (3.69 times the analytical sensitivity) as dictated by the methodology.  
ND = None Detected

