Environmental and Waste Management Services

BROOKHAVEN
NATIONAL LABORATORY

120 E. Fifth Ave., Bldg. 860
P. O. Box 5000
Upton, NY 11973-5000
Phone 631 344-4549
Fax 631 344-7334
goode@bnl.gov

Managed by Brookhaven Science Associates
for the U.S. Department of Energy

September 9, 2004

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

Dear Ms. Kathleen Newcomer:

Subject: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for August 2004

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2004 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 Operational Data and Bacteriological Analyses for August.
Attachment II:	August 2004 Biweekly and Third Quarter Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.
Attachment III:	Annual and August 2004 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data for the BNL Distribution System, the BNL Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Plan and Revised 2004 Potable Water Sampling Plan.
Attachment IV:	2004 Third Quarter Principal Organic Compound Analyses for the BNL Potable Water Distribution System and Potable Water Wells.
Attachment V:	2004 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Distribution System.

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 and

NSF
REGISTERED TO
ISO 14001: 1996

Waste Management 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 M. Allocco at (631) 344-3166, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

Sincerely,

George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car
Attachments: As noted

cc:	M. Allocco	w/attachments
	L. Ambroszkiewicz, SCDHS	w/attachments
	W. Chaloupka	w/attachments
	J. Granzen	w/attachments
	G. Goode	w/o attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo, SCDHS	w/o attachments
	L. Ross	w/o attachments
	J. Tarpinian	w/o attachments

File: EC61ER.04

ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

Monthly Operational Data and Bacteriological Analyses for August 2004

for the BNL Potable Water System

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: AUGUST 2004

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	95	per 24hrs	mg/l	Hydroxide	13188435
1	0					
2	2,867	70	25	0.82	7.3	13191302
3	1,057	60	10	0.7	7.5	13192359
4	1,111	50	10	0.69	7.6	13193470
5	1,108	35+65	15	0.8	7.7	13194578
6	936	90+110	10	0.78	7.7	13195514
7	0					
8	0					
9	2,569	173	27	0.95	7.3	13198083
10	936	165	8	0.9	7.3	13199019
11	7	165	0	0.86	7.2	13199026
12	0	165	0	1	7	13199026
13	44	165	0	0.35	7.5	13199070
14	0					
15	0					
16	41	160	5	0.72	7	13199111
17	38	160	0	0.5	8.3	13199149
18	486	160	0	0.58	7	13199635
19	37	160	0	0.55	9.1	13199672
20	0	160	0	0.45	8.8	13199672
21	0					
22	0					
23	6	160	0	1	7.3	13199678
24	0	160	0	1.2	7	13199678
25	578	155	5	0.62	7.5	13200256
26	892	150	5	0.5	7.5	13201148
27	936	145	5	0.8	7.5	13202084
28	0					
29	0					
30	2,964	135	10	0.78	7.6	13205048
31	1,063	130	5	0.7	7.4	13206111
TOT	17,676		140			
AVG.	570.19		4.52	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-8-04

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 2004

LOCATION: **WELL NO. 4**

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	0	per 24hrs	mg/l	Hydroxide	1648622
1	0					
2	0	0	0	NR	NR	1648622
3	0	0	0	NR	NR	1648622
4	0	0	0	NR	NR	1648622
5	0	0	0	NR	NR	1648622
6	0	0	0	NR	NR	1648622
7	0					
8	0					
9	0	0	0	NR	NR	1648622
10	0	0	0	NR	NR	1648622
11	0	0	0	NR	NR	1648622
12	0	0	0	NR	NR	1648622
13	0	0	0	NR	NR	1648622
14	0					
15	0					
16	0	0	0	NR	NR	1648622
17	0	0	0	NR	NR	1648622
18	0	0	0	NR	NR	1648622
19	0	0	0	NR	NR	1648622
20	0	0	0	NR	NR	1648622
21	0					
22	0					
23	0	0	0	NR	NR	1648622
24	0	0	0	NR	NR	1648622
25	0	0	0	NR	NR	1648622
26	0	0	0	NR	NR	1648622
27	0	0	0	NR	NR	1648622
28	0					
29	0					
30	0	0	0	NR	NR	1648622
31	0	0	0	NR	NR	1648622
TOT	0		0			
AVG.	0.00		0.00	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-8-04

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 2004

LOCATION: **WELL NO. 6**

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	150	per 24hrs	mg/l	Hydroxide	463082
1	0					
2	1,037	114	36	0.36	6.2	464119
3	567	93	21	0.23	6.2	464686
4	643	73+42	20	0.22	6.1	465329
5	459	105	10	0.3	6.1	465788
6	466	86+64	19	0.22	6.1	466254
7	0					
8	0					
9	1,318	111	39	0.53	6.1	467572
10	468	90	21	0.42	6.1	468040
11	0	90	0	NR	NR	468040
12	0	90	0	NR	NR	468040
13	33	90	0	NR	NR	468073
14	0					
15	0					
16	445	70+65	12	..22	6	468518
17	42	135	0	0.2	6	468560
18	292	123	12	0.9	5.9	468852
19	0	123	0	NR	NR	468852
20	0	123	0	NR	NR	468852
21	0					
22	0					
23	0	123	0	NR	NR	468852
24	0	123	0	NR	NR	468852
25	260	105	18	0.31	6.1	469112
26	440	81+69	24	0.32	6.1	469552
27	607	114	36	0.3	6	470159
28	0					
29	0					
30	1,266	30	84	0.3	6.1	471425
31	330	10	20	0.3	6	471755
TOT	8,673		372			
AVG.	279.77		12.00	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-8-04

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 2004

LOCATION: **WELL NO. 7**

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	150	per 24hrs	mg/l	Hydroxide	1464656
1	0					
2	3,631	70	80	0.36	6.2	1468287
3	1,287	45	25	0.23	6.2	1469574
4	1,368	125+25	20	0.22	6.1	1470942
5	1,348	125	25	0.3	6.1	1472290
6	1,119	97+53	28	0.22	6.1	1473409
7	0					
8	0					
9	3,192	81	69	0.53	6.1	1476601
10	1,171	57	24	0.42	6.1	1477772
11	0	57	0	NR	NR	1477772
12	0	57	0	NR	NR	1477772
13	360	57	0	NR	NR	1478132
14	0					
15	0					
16	1,417	49+86	12	0.22	6	1479549
17	54	135	0	0.2	6	1479603
18	550	117	22	0.9	5.9	1480153
19	61	117	0	NR	NR	1480214
20	0	117	0	NR	NR	1480214
21	0					
22	0					
23	0	117	0	NR	NR	1480214
24	0	117	0	NR	NR	1480214
25	631	108	9	0.31	6.1	1480845
26	1,060	84+66	24	0.32	6.1	1481905
27	1,073	129	21	0.3	6	1482978
28	0					
29	0					
30	3,714	52	77	0.3	6.1	1486692
31	1,350	24	28	0.3	6	1488042
TOT	23,386		464			
AVG.	754.39		14.97	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-8-04

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 2004

LOCATION: **WELL NO. 10**

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	38	per 24hrs	mg/l	Hydroxide	769793
1	0					
2	0	38	0	NR	NR	769793
3	0	38	0	NR	NR	769793
4	0	38	0	NR	NR	769793
5	0	38	0	NR	NR	769793
6	0	38	0	NR	NR	769793
7	0					
8	0					
9	0	38	0	NR	NR	769793
10	0	38	0	NR	NR	769793
11	0	38	0	NR	NR	769793
12	0	38	0	NR	NR	769793
13	0	38	0	NR	NR	769793
14	0					
15	0					
16	28	38	0	NR	NR	769821
17	0	38	0	NR	NR	769821
18	0	38	0	NR	NR	769821
19	0	38	0	NR	NR	769821
20	0	38	0	NR	NR	769821
21	0					
22	0					
23	0	38	0	NR	NR	769821
24	0	38	0	NR	NR	769821
25	0	38	0	NR	NR	769821
26	0	38	0	NR	NR	769821
27	0	38	0	NR	NR	769821
28	0					
29	0					
30	0	38	0	NR	NR	769821
31	0	38	0	NR	NR	769821
TOT	28		0			
AVG.	0.90		0.00	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-9-04

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 2004

LOCATION: **WELL NO. 11**

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	123	per 24hrs	mg/l	Hydroxide	602858
1	0					
2	23	123	0	NR	NR	602881
3	0	123	0	0.9	7	602881
4	4	123	0	NR	NR	602885
5	0	123	0	0.46	7	602885
6	3	123	0	NR	NR	602888
7	0					
8	0					
9	0	123	0	NR	NR	602888
10	15	123	0	0.5	7	602903
11	555	111	12	0.3	7.3	603458
12	863	90	21	0.44	7.7	604321
13	1,326	63	27	NR	NR	605647
14	0					
15	0					
16	3,062	3+135	60	NR	NR	608709
17	6	138	0	0.28	8.6	608715
18	447	132	6	NR	NR	609162
19	3	132	0	0.51	9.2	609165
20	2	132	0	NR	NR	609167
21	0					
22	0					
23	757	123	9	1.2	6.1	609924
24	1,175	108	15	1.1	6.3	611099
25	354	102	6	NR	NR	611453
26	0	102	0	NR	NR	611453
27	0	102	0	NR	NR	611453
28	0					
29	0					
30	0	102	0	NR	NR	611453
31	0	102	0	0.42	6.1	611453
TOT	8,595		156			
AVG.	277.26		5.03	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-8-04

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 2004

LOCATION: **WELL NO. 12**

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

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	123	per 24hrs	mg/l	Hydroxide	685199
1	0					
2	22	123	0	NR	NR	685221
3	0	123	0	0.55	7.4	685221
4	3	123	0	NR	NR	685224
5	0	123	0	0.5	7.3	685224
6	3	123	0	NR	NR	685227
7	0					
8	0					
9	0	123	0	NR	NR	685227
10	19	120	3	0.01	7.4	685246
11	773	96	24	0.2	7.8	686019
12	398	84	12	0.25	8	686417
13	0	84	0	NR	NR	686417
14	0					
15	0					
16	24	84+66	0	NR	NR	686441
17	1,259	129	21	1	8.8	687700
18	28	129	0	NR	NR	687728
19	1,238	117	12	0.91	9.3	688966
20	1,310	99	18	NR	NR	690276
21	0					
22	0					
23	2,766	75	24	NR	NR	693042
24	1	75	0	1.2	6.8	693043
25	26	72	3	NR	NR	693069
26	0	72	0	NR	NR	693069
27	0	72	0	NR	NR	693069
28	0					
29	0					
30	0	72	0	NR	NR	693069
31	5	72	0	0.7	7.4	693074
TOT	7,875		117			
AVG.	254.03		3.77	No. Days:	31	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

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: [signature]

Date: 9-8-04

Title: **Water Systems Supervisor**

Certification No. **NY0031941**

8/31/2004
Pump Data

MONTHLY GALLONAGE REPORT
AUGUST2004.XLS

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	0	1,037	3,631	0	23	22	4,713
3	0	567	1,287	0	0	0	1,854
4	0	643	1,368	0	4	3	2,018
5	0	459	1,348	0	0	0	1,807
6	0	466	1,119	0	3	3	1,591
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	1,318	3,192	0	0	0	4,510
10	0	468	1,171	0	15	19	1,673
11	0	0	0	0	555	773	1,328
12	0	0	0	0	863	398	1,261
13	0	33	360	0	1,326	0	1,719
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	445	1,417	28	3,062	24	4,976
17	0	42	54	0	6	1,259	1,361
18	0	292	550	0	447	28	1,317
19	0	0	61	0	3	1,238	1,302
20	0	0	0	0	2	1,310	1,312
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	0	0	0	0	757	2,766	3,523
24	0	0	0	0	1,175	1	1,176
25	0	260	631	0	354	26	1,271
26	0	440	1,060	0	0	0	1,500
27	0	607	1,073	0	0	0	1,680
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	0	1,266	3,714	0	0	0	4,980
31	0	330	1,350	0	0	5	1,685
Total	0	8,673	23,386	28	8,595	7,875	48,557

	Totalizer This Month	Totalizer Last Month	Total(x1,000) Gallons
Well 4	1,648,622	1,648,622	0
Well 6	471,755	463,082	8,673
Well 7	1,488,042	1,464,656	23,386
Well 10	769,821	769,793	28
Well 11	611,453	602,858	8,595
Well 12	693,074	685,199	7,875
AGS Water Supply Meter	507,224	506,887	337.00
Medical Reactor - Well 105			0.00
Biology Building - Well 9	6,792,770	6,792,770	0.00

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. : 0408298-001

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 8/6/2004 10:10:00 AM
Received 8/6/2004 2:00:00 PM
Collected By CLIENT
Copy : Original
CC

Point No 094-273
Location: B-49 Water Tower

Client ID. : 19107-001

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A19

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. : 0408298-002

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19107-002
Collected 8/6/2004 9:15:00 AM Point No 076-408
Received 8/6/2004 2:00:00 PM Location: B-640 Water Tower
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A20

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. : 0408298-003

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 8/6/2004 9:00:00 AM Point No 045-12
Received 8/6/2004 2:00:00 PM Location: B-1005 RHIC
Collected By CLIENT

Client ID. : 19107-003

Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A21

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. : 0408298-004

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 8/6/2004 10:45:00 AM Point No 075-602
Received 8/6/2004 2:00:00 PM Location: B-725 NSLS
Collected By CLIENT
Copy : Original
CC

Client ID. : 19107-004

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A22

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. : 0408298-007

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 8/6/2004 8:35:00 AM
Received 8/6/2004 2:00:00 PM
Collected By CLIENT

Point No 109-19
Location: B-363 Apt.Laundry

Client ID. : 19107-007

Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	08/06/2004
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A27

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. : 0408298-005

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19107-005
Collected 8/6/2004 10:25:00 AM Point No 084-69
Received 8/6/2004 2:00:00 PM Location: B-490 Block 1 ACF
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.4	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A23

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. : 0408298-006

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 8/6/2004 10:30:00 AM Point No 084-68
Received 8/6/2004 2:00:00 PM Location: B-490 Block 4 MRC
Collected By CLIENT

Client ID. : 19107-006

Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	08/06/2004

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

Date Reported : 9/2/2004

Joann M. Slavin
Laboratory Manager

BNLM152 A24

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

August 2004 Biweekly and Third Quarter Water Quality Monitoring Data

for the BNL Distribution System and Potable Water Wells

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
August 2004

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	8/3/04	7.5	56	140	ANR	ANR
WTP	8/5/04	7.7	54	147	ANR	ANR
WTP	8/10/04	7.3	56	209	ANR	ANR
WTP	8/12/04	7.0	56	168	ANR	ANR
WTP	8/17/04	8.3	58	215	ANR	ANR
WTP	8/19/04	9.1	63	215	ANR	ANR
WTP	8/24/04	7.0	64	164	ANR	ANR
WTP	8/26/04	7.6	57	147	ANR	ANR
WTP	8/31/04	7.4	57	139	ANR	ANR
Well #11	8/3/04	7.0	55	161	ANR	ANR
Well #11	8/5/04	7.0	55	161	ANR	ANR
Well #11	8/10/04	7.0	55	193	ANR	ANR
Well #11	8/12/04	7.7	50	155	ANR	ANR
Well #11	8/17/04	8.6	55	171	ANR	ANR
Well #11	8/19/04	9.2	55	223	ANR	ANR
Well #11	8/24/04	6.3	55	147	ANR	ANR
Well #11	8/26/04	NR	NR	NR	ANR	ANR
Well #11	8/31/04	6.1	55	234	ANR	ANR
Well #12	8/3/04	7.4	56	147	ANR	ANR
Well #12	8/5/04	7.3	56	194	ANR	ANR
Well #12	8/10/04	7.4	52	236	ANR	ANR
Well #12	8/12/04	8.0	55	233	ANR	ANR
Well #12	8/17/04	8.8	56	226	ANR	ANR
Well #12	8/19/04	9.3	56	224	ANR	ANR
Well #12	8/24/04	6.8	56	144	ANR	ANR
Well #12	8/26/04	NR	NR	NR	ANR	ANR
Well #12	8/31/04	7.4	56	154	ANR	ANR
Bldg. 49	7/9/04	ANR	ANR	ANR	13.0	5.59
Bldg. 363	7/9/04	ANR	ANR	ANR	15.9	7.48
Bldg. 640	7/9/04	ANR	ANR	ANR	20.5	6.77

ANR- Analysis Not Required
NR- Not Reported
Note: Field parameters are only conducted for facilities that are in operation on the day of measurement.

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. : **0407358-001**

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 7/9/2004 9:15:00 AM Point No 094-273
Received 7/9/2004 3:35:00 PM Location: B-49 Water Tower
Collected By CLIENT

Client ID. : 19108-001

Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	07/10/2004 11:30 AM
E_Coliform	Absent		Absent	M9223	07/10/2004 11:30 AM
Alkalinity, Total (As CaCO3)	13.0	mg/L		M2320 B	07/13/2004 12:56 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	07/09/2004
Turbidity	< 1.0	NTU	5	E180.1	07/10/2004 7:47 AM

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

Date Reported : 8/3/2004

Joann M. Slavin
Laboratory Manager

BNLM151 A 30

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. : **0407358-001**

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-001
Collected 7/9/2004 9:15:00 AM
Point No 094-273
Received 7/9/2004 3:35:00 PM
Location: B-49 Water Tower
Collected By CLIENT
Copy : **Original**
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Calcium	5590	µg/L		E200.7	07/28/2004 1:55 PM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 29

FZM 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. : 0407358-003

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 7/9/2004 8:55:00 AM Point No 109-19
Received 7/9/2004 3:35:00 PM Location: B-363 Apt.Laundry
Collected By CLIENT
Copy : Original
CC

Client ID. : 19108-003

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	07/10/2004 11:30 AM
E_Coliform	Absent		Absent	M9223	07/10/2004 11:30 AM
Alkalinity, Total (As CaCO3)	15.9	mg/L		M2320 B	07/13/2004 1:04 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	07/09/2004
Turbidity	< 1.0	NTU	5	E180.1	07/10/2004 7:49 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 34

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. : 0407358-003

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-003
Collected 7/9/2004 8:55:00 AM Point No 109-19
Received 7/9/2004 3:35:00 PM Location: B-363 Apt.Laundry
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Calcium	7480	µg/L		E200.7	07/28/2004 2:36 PM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 33

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. : **0407358-002**

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Collected 7/9/2004 9:40:00 AM
Received 7/9/2004 3:35:00 PM
Collected By CLIENT
Copy : **Original**
CC

Point No 076-408
Location: B-640 Water Tower

Client ID. : 19108-002

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	07/10/2004 11:30 AM
E_Coliform	Absent		Absent	M9223	07/10/2004 11:30 AM
Alkalinity, Total (As CaCO3)	20.5	mg/L		M2320 B	07/13/2004 1:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	07/09/2004
Turbidity	< 1.0	NTU	5	E180.1	07/10/2004 7:48 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 32

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. : 0407358-002

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-002
Collected 7/9/2004 9:40:00 AM
Point No 076-408
Received 7/9/2004 3:35:00 PM
Location: B-640 Water Tower
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Calcium	6770	µg/L		E200.7	07/28/2004 2:28 PM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 31

ATTACHMENT III

Brookhaven National Laboratory

Potable Water Supply

Annual and August 2004 Stage 1 Disinfectants & Disinfection Byproduct Rule

Monitoring Data for the BNL Distribution System,

the BNL Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Plan

and Revised 2004 Potable Water Sampling Plan.

Attachment III

August 2004 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data
Table II - Maximum Residual Disinfectant Level (MRDL) Compliance

	Total Residual Chlorine (mg/L)											
Location	**Sept. 03**	**Oct. 03**	**Nov. 03**	**Dec. 03**	**Jan. 04**	**Feb. 04**	**Mar. 04**	**Apr. 04**	**May 04**	**June 04**	**July 04**	**Aug. 04**
Bldg. 49 Water Tower	1.4	0.9	0.9	0.9	0.8	0.7	1.1	1.0	1.0	0.8	0.8	1.0
Bldg. 640 Water Tower	0.9	0.5	0.9	0.8	0.9	0.6	1.1	0.6	1.0	0.6	0.5	0.5
Bldg. 363 Apt. Laundry	0.8	0.6	0.5	0.9	0.4	0.5	0.9	0.3	0.8	0.4	0.6	0.5
Bldg. 1005 RHIC	0.8	0.6	0.6	1.0	0.4	0.7	0.5	0.4	0.6	0.5	0.6	0.5
Bldg. 930 LINAC	1.3	NS	0.9	NS	0.8	NS	1.1	NS	0.9	NS	0.8	NS
Bldg. 725 NSLS	NS	0.7	NS	0.6	NS	0.5	NS	1.7	NS	0.8	NS	0.9
Bldg. 490 Outpatient Clinic	1.3	NS	0.6	NS	0.8	NS	1.0	NS	1.0	NS	0.8	NS
Bldg. 490 Block 11	1.2	NS	0.4	NS	0.8	NS	1.0	NS	1.0	NS	0.6	NS
Bldg. 490 Block 1 ACF	NS	0.7	NS	0.8	NS	0.5	NS	1.0	NS	0.6	NS	0.4
Bldg. 490 Block 4 MRC	NS	0.7	NS	1.0	NS	0.5	NS	1.1	NS	0.6	NS	0.9
Monthly Average	1.1	0.7	0.7	0.9	0.7	0.6	1.0	0.9	0.9	0.6	0.7	0.7

NA - Not Applicable
NS- Not Scheduled for sampling

Running Annual Average (mg/L) **0.8** (Total Residual Chlorine)
MRDL (mg/L) **4.0**

2004 Annual Total Trihalomethane (TTHM) and Five Haloacetic Acid (HAA5) Compliance

2004 Annual TTHM Result (mg/L) **0.013**
MCL (mg/L) **0.08**

2004 Annual HAA5 Result (mg/L) **0.009**
MCL (mg/L) **0.06**

Form 1

CLIENT SAMPLE NO.

19107-007

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLM SAS No.: _____ SDG No.: BNLM152

Matrix: (soil/water) Potable Water Lab Sample ID: 0408298-007B

Sample wt/vol: 5 (g/mL) ML Lab File ID: \VH127.raw

Level: (low/med) LOW Date Received: 8/6/04

% Moisture: not dec. Date Extracted:

GC Column: R-502.2 ID: .53 (mm) Date Analyzed: 8/11/04

Extract Volume: _____ (µl) Dilution Factor: 1.00

Injection Volume: _____ (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) µg/L	Q
67-66-3	Chloroform	3.5	
75-27-4	Bromodichloromethane	4.8	
124-48-1	Dibromochloromethane	3.7	
75-25-2	Bromoform	0.6	
	Total Trihalomethanes	13	

TTHM Monitoring at Bldg. 363 - Longest Residence Time

BNLM152 A25

1E

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

19107-007

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLM SAS No.: _____ SDG No.: BNLM152

Matrix: (soil/water) WATER Lab Sample ID: 0408298-007B

Sample wt/vol: 40 (g/mL) ML Lab File ID: A00606.RAW

% Moisture: Decanted: (Y/N) N Date Received: 08/06/04

Extraction: (Type) Date Extracted: 08/10/04

Concentrated Extract Volume: 4000 (uL) Date Analyzed: 08/22/04

Injection Volume: 1 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: ____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
79-11-8	Chloroacetic acid	1.5	U
79-08-3	Bromoacetic acid	1.0	U
79-43-6	Dichloroacetic acid	3.8	P
76-03-9	Trichloroacetic acid	3.5	
3252-43-5	Dibromoacetic acid	1.2	
	Total Haloacetic Acid	8.5	

HAA5 Monitoring at Bldg. 363 - Longest Residence Time

BNLM152 A26

BNL Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Plan

The Brookhaven National Laboratory develops a potable water sampling plan annually, guided by the requirements provided by the SCDHS and supplemented as necessary to meet our own objectives. The plan was submitted to SCDHS in January 2004, and has been amended to include the new TTHM and HAA5 sampling requirements and is attached for your reference.

TTHM and HAA5 samples will be collected annually on the first Thursday of August representing the maximum water temperature for the BNL potable water system. The system consists of only one pressure zone and therefore one sample will be collected for each analysis at Bldg. 363, which represents the location within the system with the longest residence time. The samples will then be analyzed by H2M Laboratories, Inc. following EPA Methods 510.1 and 552.2. The results of this sampling will then be compared with the respective MCLs of 0.080 mg/L for TTHM and 0.060 mg/L for HAA5 to determine compliance. If either the TTHM or the HAA5 MCL is exceeded, BNL will begin quarterly sampling on the first Thursday in November, February, and May. The results of the most recent quarterly sampling shall be added to the previous three quarters, and the average of the four quarters (running annual average) will be compared to the MCL to determine compliance. Quarterly sampling shall continue, until the SCDHS approves reduced monitoring.

As in the past, the residual chlorine level will be measured using the DPD method by the sampler when bacteriological samples are taken. This information is then provided to H2M Laboratories, Inc. for inclusion with the data reported on bacteriological analyses. The running annual average will then be calculated and compared with the Maximum Residual Disinfectant Level (MRDL) to determine compliance. If any residual chlorine results exceed the MRDL of 4 mg/L, the results for the month will be averaged and that average added to the average of the other months of the quarter to determine the quarterly average. The quarterly average will be added to the average of the previous three quarters to determine a running annual average, which will be compared to the MRDL to determine compliance.

Brookhaven National Laboratory
2004 Potable Water Sampling Plan

BACTERIOLOGICAL

Distribution System: - Seven Samples per month Total 84 Samples

(January, March, May, July, September, November)

1. Water Tower, Building 49 (300,000 gallons)
2. Water Tower, Building 640 (1,000,000 gallons)
3. RHIC, Building 1005
4. Apartment Area Laundry, Building 363
5. Linac. Building 930
6. Out Patient Clinic, Building 490
7. Block 11, Building 490

(February, April, June, August, October, December)

1. Water Tower, Building 49 (300,000 gallons)
2. Water Tower, Building 640 (1,000,000 gallons)
3. RHIC, Building 1005
4. Apartment Area Laundry, Building 363
5. NSLS, Building 725
6. Block 1: Ambulatory Care Facility, building 490
7. Block 4: Medical research Center. Building 490

Wells: One sample /well each quarter Total 24 Samples

(January April, July, October)

1. Well #4, Building 614
2. Well #6, Building 618
3. Well #7, Building 619
4. Well #10, Building 634
5. Well #11, Building 635
6. Well #12, Building 637

GAC and Air Stripper Towers: One sample per system each quarter Total 16 Samples

(January April, July, October)

7. WTF Air Stripping Tower Building 648
8. Well #10, GAC, Building 654
9. Well #11, GAC, Building 655
10. Well #12, GAC, Building 657

INORGANIC CHEMICALS (IOC Groups 1, 2, 3, 4)

Distribution System: One Sample two times per year from a representative location (January, July) Total 2 Samples

Wells: One sample each year from each well Total 6 Samples

(June)

NITRATE/NITRITE (As per IOC Group 4 Analytes)

Distribution System: Two samples each year from a representative location. Total 2 Samples

(January, July)

Wells: One sample each year from each well Total 6 Samples

(June)

ASBESTOS

Brookhaven National Laboratory
2004 Potable Water Sampling Plan

Distribution System: One Sample each year from a representative location served by transite piping with a maximum residence time (Apartment area, first draw). Total 1 Sample (June)

WATER QUALITY

Distribution System: Quarterly from each of three representative locations Total 12 Samples (January April, July, October)

1. Water tower, Building 49 (300,000 gallons)
2. Water Tower, Building 640 (1,000,000 gallons)
3. Apartment Area Laundry, Building 363

Wells: Semi Annual, Raw Water from each Supply Well (six wells) Total 12 Samples (March, September)

PRINCIPAL ORGANIC CONTAMINANTS, VINAL CHLORIDE AND MTBE (Method 502.2)

Wells: (Raw Water) One sample from each well each quarter. Total 24 Samples (January April, July, October)

Treated Water: One sample each quarter from the Water Treatment Facility and the GAC Filter effluent. (January April, July, October) Total 16 Samples

SYNTHETIC ORGANIC CHEMICAL AND PESTICIDES:

(Method 504, 505, 515.1, 525.1, 531.1, 547, 548, 549)

Well 4,6,7 and Wells 10, 11,12: One composite sample from each well field. Total 2 Samples Composite must be prepared from raw water collected at the well head and prepared in the laboratory. (June)

RADIOLOGICAL: (Gross Alpha, Gross Beta, Tritium, Gamma Isotopic, Strontium-90)

Wells: One Sample from each well each quarter. Total 24 Samples (January April, July, October)

Note: All samples to be analyzed by a certified contractor laboratory (either General Engineering Laboratory or Severn Trent Laboratories).

POINTS OF ENTRY: Bi weekly for pH, temperature and conductivity – by operating personnel.

DISINFECTANTS & DISINFECTION BYPRODUCT RULE: (TTHM-EPA Method 510.1 and HAA5-EPA Method 552.2)

Distribution System: One sample each year from the location with the longest residence time, Bldg. 363. Total 1 Sample (August)

POTABLE WATER TESTING CONDITIONS:

1. All samples will be drawn on the morning of the first Thursday of each month. Samples collected will be picked up by an agent of an off-site NYSDOH certified contract laboratory and delivered to that laboratory the afternoon of the collection.
2. A certified laboratory will test all samples. BNL will perform QA/QC audits of the contracted laboratory.

3. Asbestos, if not performed by the primary contract laboratory, shall be performed by a NYSDOH certified laboratory as a sub contractor to the primary contract laboratory.

ATTACHMENT IV

Brookhaven National Laboratory

Potable Water Supply

2004 Third Quarter Principal Organic Compound Analyses

for the BNL Potable Water Distribution System and 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 : S. Scarpitta

Lab No. : 0407358-009

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

Federal ID 5111891
Client ID. : 19108-009
Collected 7/9/2004 1:40:00 PM Point No 093-07
Received 7/9/2004 3:35:00 PM Location: Well #6 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 1:48 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Chloroform	0.7	µg/L	50	E502.2	07/22/2004 1:48 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 1:48 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 1:48 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 1:48 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 41

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. : 0407358-009

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

Federal ID 5111891
Client ID. : 19108-009
Collected 7/9/2004 1:40:00 PM Point No 093-07
Received 7/9/2004 3:35:00 PM Location: Well #6 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 1:48 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 1:48 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 42

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. : 0407358-010

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

Federal ID 5111891
Client ID. : 19108-010
Collected 7/9/2004 1:31:00 PM Point No 092-03
Received 7/9/2004 3:35:00 PM Location: Well #7 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 2:40 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Chloroform	0.6	µg/L	50	E502.2	07/22/2004 2:40 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 2:40 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 2:40 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 2:40 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 44

H2M LABS, INC.

575 Brood 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. : 0407358-010

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

Federal ID 5111891
Client ID. : 19108-010
Collected 7/9/2004 1:31:00 PM Point No 092-03
Received 7/9/2004 3:35:00 PM Location: Well #7 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 2:40 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 2:40 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 45

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. : 0407358-013

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

Federal ID 5111891
Collected 7/9/2004 10:55:00 AM Point No 055-09
Received 7/9/2004 3:35:00 PM Location: Well #10 Raw
Collected By CLIENT
Copy : Original
CC

Client ID. : 19108-013

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 5:14 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Chloroform	< 0.5	µg/L	50	E502.2	07/22/2004 5:14 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 5:14 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 5:14 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 5:14 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 53

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. : 0407358-013

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

Federal ID 5111891
Collected 7/9/2004 10:55:00 AM Point No 055-09
Received 7/9/2004 3:35:00 PM Location: Well #10 Raw
Collected By CLIENT
Copy : Original
CC

Client ID. : 19108-013

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 5:14 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 54

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. : 0407358-011

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

Federal ID 5111891
Client ID. : 19108-011
Collected 7/9/2004 11:10:00 AM Point No 056-19
Received 7/9/2004 3:35:00 PM Location: Well #11 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 3:31 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Chloroform	< 0.5	µg/L	50	E502.2	07/22/2004 3:31 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 3:31 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 3:31 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 3:31 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 47

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. : 0407358-011

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

Federal ID 5111891
Client ID. : 19108-011
Collected 7/9/2004 11:10:00 AM Point No 056-19
Received 7/9/2004 3:35:00 PM Location: Well #11 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 3:31 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 3:31 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 48

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. : 0407358-012

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

Federal ID 5111891
Collected 7/9/2004 1:05:00 PM Point No 056-20
Received 7/9/2004 3:35:00 PM Location: Well #12 Raw
Collected By CLIENT
Copy : Original
CC

Client ID. : 19108-012

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 4:23 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Chloroform	< 0.5	µg/L	50	E502.2	07/22/2004 4:23 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 4:23 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 4:23 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 4:23 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM

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

Joann M. Slavin

Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 50

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. : 0407358-012

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

Federal ID 5111891
Client ID. : 19108-012
Collected 7/9/2004 1:05:00 PM Point No 056-20
Received 7/9/2004 3:35:00 PM Location: Well #12 Raw
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 4:23 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 4:23 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 51

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. : 0407358-015

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-015
Collected 7/9/2004 11:28:00 AM Point No 073-22
Received 7/9/2004 3:35:00 PM Location: Bldg. 624 WTP
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 6:06 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Chloroform	< 0.5	µg/L	50	E502.2	07/22/2004 6:06 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 6:06 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 6:06 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 6:06 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 57

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. : 0407358-015

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-015
Collected 7/9/2004 11:28:00 AM Point No 073-22
Received 7/9/2004 3:35:00 PM Location: Bldg. 624 WTP
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 6:06 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:06 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 58

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. : 0407358-021

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

Federal ID 5111891
Client ID. : 19108-021
Collected 7/9/2004 10:58:00 AM Point No 055-38
Received 7/9/2004 3:35:00 PM Location: Well #10 Treated
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 8:40 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Chloroform	3.4	µg/L	50	E502.2	07/22/2004 8:40 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Bromodichloromethane	3.7	µg/L	50	E502.2	07/22/2004 8:40 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Dibromochloromethane	3.1	µg/L	50	E502.2	07/22/2004 8:40 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Bromoform	1.1	µg/L	50	E502.2	07/22/2004 8:40 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 66

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. : 0407358-021

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

Federal ID 5111891
Client ID. : 19108-021
Collected 7/9/2004 10:58:00 AM Point No 055-38
Received 7/9/2004 3:35:00 PM Location: Well #10 Treated
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 8:40 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 8:40 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 67

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. : 0407358-017

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

Federal ID 5111891
Client ID. : 19108-017
Collected 7/9/2004 11:13:00 AM Point No 056-33
Received 7/9/2004 3:35:00 PM Location: Well #11 Treated
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 6:57 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Chloroform	< 0.5	µg/L	50	E502.2	07/22/2004 6:57 AM
1,1,1-Trichloroethane	0.6	µg/L	5	E502.2	07/22/2004 6:57 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 6:57 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 6:57 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 6:57 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 60

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. : 0407358-017

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

Federal ID 5111891
Client ID. : 19108-017
Collected 7/9/2004 11:13:00 AM Point No 056-33
Received 7/9/2004 3:35:00 PM Location: Well #11 Treated
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 6:57 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 6:57 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 61

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. : 0407358-019

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

Federal ID 5111891
Client ID. : 19108-019
Collected 7/9/2004 1:07:00 PM
Point No 056-34
Received 7/9/2004 3:35:00 PM
Location: Well #12 Treated
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 7:48 AM
Bromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Chloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Chloroform	< 0.5	µg/L	50	E502.2	07/22/2004 7:48 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 7:48 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	07/22/2004 7:48 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Bromoform	< 0.5	µg/L	50	E502.2	07/22/2004 7:48 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM

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

Joann M. Slavin

Date Reported : 8/3/2004

Laboratory Manager

BNLM151 A 63

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. : 0407358-019

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

Federal ID 5111891
Client ID. : 19108-019
Collected 7/9/2004 1:07:00 PM Point No 056-34
Received 7/9/2004 3:35:00 PM Location: Well #12 Treated
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Benzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Toluene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
o-Xylene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Styrene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
Methyl tert-butyl ether	< 0.5	µg/L	10	E502.2	07/22/2004 7:48 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	07/22/2004 7:48 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 64

ATTACHMENT V

Brookhaven National Laboratory

Potable Water Supply

2004 Semi-Annual Inorganic and Nitrate/Nitrite Analyses

for the BNL Distribution System

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. : 0407358-008

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-008
Collected 7/9/2004 9:30:00 AM Point No 085-294
Received 7/9/2004 3:35:00 PM Location: B-185 Personnel
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Barium	< 200	µg/L	2000	E200.7	07/28/2004 2:44 PM
Beryllium	< 3.0	µg/L	4	E200.7	07/28/2004 2:44 PM
Cadmium	< 5.0	µg/L	5	E200.7	07/28/2004 2:44 PM
Chromium	< 10	µg/L	100	E200.7	07/28/2004 2:44 PM
Iron	150	µg/L	300	E200.7	07/28/2004 2:44 PM
Manganese	213	µg/L	300	E200.7	07/28/2004 2:44 PM
Nickel	< 40.0	µg/L	100	E200.7	07/28/2004 2:44 PM
Silver	< 10	µg/L	100	E200.7	07/28/2004 2:44 PM
Sodium	15000	µg/L		E200.7	07/28/2004 2:44 PM
Zinc	< 20.0	µg/L	5000	E200.7	07/28/2004 2:44 PM
Arsenic	< 3.00	ug/l	50	E200.8	07/28/2004 1:46 PM
Lead	1.60	ug/l	15	E200.8	07/28/2004 1:46 PM
Selenium	< 5.00	ug/l	50	E200.8	07/28/2004 1:46 PM
Antimony	< 5.90	ug/l	6	E200.8	07/28/2004 1:46 PM
Thallium	< 1.90	ug/l	2	E200.8	07/28/2004 1:46 PM
Mercury	< 0.30	ug/l	2	E200.8	07/28/2004 1:46 PM
Cyanide	< 10	µg/L	200	M4500-CN CE	07/16/2004 9:10 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 39

TEM 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. : 0407358-008

Sample Information...
Type : Potable Water
Origin: Distribution

Federal ID 5111891
Client ID. : 19108-008
Collected 7/9/2004 9:30:00 AM Point No 085-294
Received 7/9/2004 3:35:00 PM Location: B-185 Personnel
Collected By CLIENT
Copy : Original
CC

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Chloride	25.7	mg/L	250	E325.2	07/12/2004 8:35 AM
Color	< 5	units	15	E110.2	07/10/2004 11:05 AM
Specific Conductivity	149	µmhos/cm		M2510 B	07/12/2004 5:47 PM
Fluoride	< 0.10	mg/L	2.2	M4500F C	07/14/2004 2:07 PM
MBAS	< 0.08	mg/L		E425.1	07/10/2004 12:02 PM
Nitrogen, Ammonia (As N)	< 0.10	mg/L		E350.1	07/15/2004 1:18 PM
Nitrogen, Nitrite	< 0.01	mg/L		E354.1	07/09/2004 5:05 PM
Nitrate as N	0.26	mg/L	10	E353.2	07/12/2004 1:58 PM
Odor	0	units	3	E140.1	07/10/2004 11:01 AM
pH	7.4	pH Units		E150.1	07/09/2004 5:00 PM
Sulfate	10.1	mg/L	250	E375.4	07/12/2004 10:30 AM
Turbidity	< 1.0	NTU	5	E180.1	07/10/2004 7:50 AM

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

Joann M. Slavin
Laboratory Manager

Date Reported : 8/3/2004

BNLM151 A 40