



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



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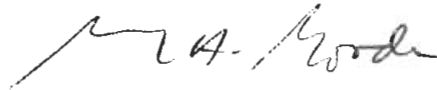


NSF's Registration Program
is accredited by the American
National Standards Institute
Registration Accreditation Board

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

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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
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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 13188435
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl ₂ Residual	Free Cl ₂ Residual	— Lime — Sodium Hydroxide	Totalizer	
	K Gals	95	per 24hrs	mg/l			
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: *Jac Rasz*

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
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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		Totalizer Daily Totalizer 1648622
	Treated Water	Liquid Sodium Gallons Hypochlorite	Free Cl2 Residual	Free Cl2 Residual	Lime Sodium	Totalizer	
	K Gals	0	Cl2 use per 24hrs	mg/l	Hydroxide		
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

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. Mc...

Date: 9-8-09

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
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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	Liquid Sodium Hypochlorite	Free Cl ₂ Residual	Cl ₂ use per 24hrs	Lime Sodium Hydroxide	Totalizer	
	K Gals	150		mg/l		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	0.22	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

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: *AK Davis*

Date: 7-8-04

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
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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 ₂	Residual	Lime	Sodium Hydroxide	
	K Gals	Gallons	Cl ₂ use per 24hrs		mg/l		
1	0						1464656
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

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: JC Now

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

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 ₂	Lime	Sodium Hydroxide	
		Gallons	Cl ₂ use per 24hrs	Residual mg/l	Sodium		
1	0	38	0				769793
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

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: *A.R. Repp*

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
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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 602858
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
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

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: 7-8-04

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
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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
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl2 Residual	Cl2 use per 24hrs	Lime Sodium Hydroxide	685199	
	K Gals	123	mg/l				
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

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 hilurb) 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			Totalizer		Total(x1,000)
		This Month			Last Month		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

Client ID. : 19107-001

Collected 8/6/2004 10:10:00 AM Point No 094-273

Received 8/6/2004 2:00:00 PM Location: B-49 Water Tower

Collected By CLIENT

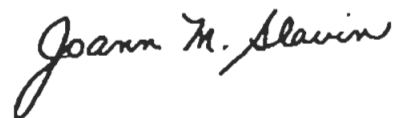
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	1.0	mg/L		M4500-Cl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



Laboratory Manager

BNLM152 A19

H2M LABS, INC.

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

<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	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

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

Client ID. : 19107-003

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

Copy : Original

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<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	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-CI 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

Client ID. : 19107-004

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

<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	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-CI 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

Client ID. : 19107-007

Collected 8/6/2004 8:35:00 AM

Point No 109-19

Received 8/6/2004 2:00:00 PM

Location: B-363 Apt.Laundry

Collected By CLIENT

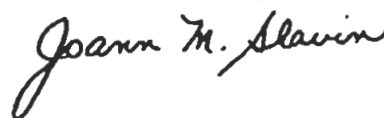
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.5	mg/L		M4500-CI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



Laboratory Manager

BNLMI52 A27

H2M LABS, INC.

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

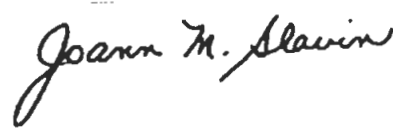
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.4	mg/L		M4500-Cl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



Laboratory Manager

BNLM152 A23

H2M LABS, INC.

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

Client ID. : 19107-006

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

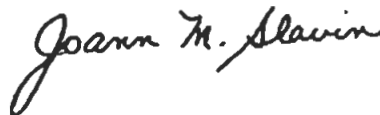
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	08/07/2004 11:00 AM
E_Coliform	Absent		Absent	M9223	08/07/2004 11:00 AM
Total Residual Chlorine	0.9	mg/L		M4500-Cl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



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 NYSDOHID# 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

<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	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 NYSDOHID# 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

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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

TZM 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

<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	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.

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

BNLM151 A 34

H2M LABS, INC.

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

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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

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

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

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<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	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

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

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

Location	Total Residual Chlorine (mg/L)											
	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

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: _____ (μ l)

Dilution Factor: 1.00

Injection Volume: _____ (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/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

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

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 (January, March, May, July, September, November) Total 84 Samples

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 (January April, July, October) Total 24 Samples

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 (January April, July, October) Total 16 Samples

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 (June) Total 6 Samples

NITRATE/NITRITE (As per IOC Group 4 Analytes)

Distribution System: Two samples each year from a representative location. (January, July) Total 2 Samples

Wells: One sample each year from each well (June) Total 6 Samples

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, VINYL 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.

**Brookhaven National Laboratory
2004 Potable Water Sampling Plan**

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

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

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

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

Sample Information...

Type : Potable Water

Origin : Raw Well

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.

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

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

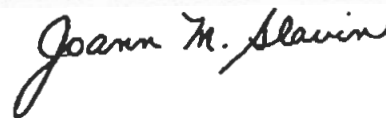
CC

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.

Date Reported : 8/3/2004

Laboratory Manager



BNLM151 A 44

H2M LABS, INC.

575 Brook 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

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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.

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

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

Client ID. : 19108-013

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

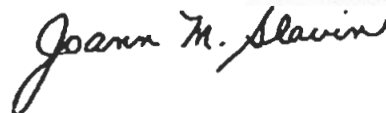
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Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Chloromethane	< 0.5	µg/L	5	E502.2	07/22/2004 5:14 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	07/22/2004 5:14 AM
Bromomethane	< 0.5	µg/L	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.

Date Reported : 8/3/2004

Laboratory Manager



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

Federal ID 5111891

Client ID : 19108-013

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

Sample Information...

Type : Potable Water

Origin: Raw Well

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.

Date Reported : 8/3/2004

Page 10 of 20

Joann M. Slavin

Laboratory Manager

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

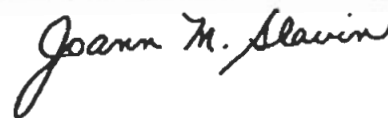
CC

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

Date Reported : 8/3/2004

Laboratory Manager



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

Federal ID 5111891

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

Lab No. : 0407358-011

Sample Information...

Type : Potable Water

Origin: Raw Well

Client ID. : 19108-011

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

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
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.

Date Reported : 8/3/2004

Page 7 of 20

Joann M. Slavin

Laboratory Manager

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

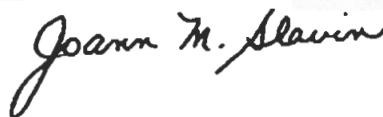
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 8/3/2004

Laboratory Manager



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.

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

BNLM151 A 57

H2M LABS, INC.

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

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

BNLM151 A 58

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 : 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

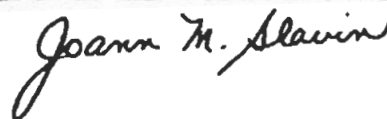
CC

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.

Date Reported : 8/3/2004

Laboratory Manager



BNLMI51 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.

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

BNLM151 A 67

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 604-3040. FAX: (631) 420-8436 NYS DOH 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.

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

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

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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.

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

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

Federal ID 5111891

Collected 7/9/2004 1:07:00 PM

Received 7/9/2004 3:35:00 PM

Collected By CLIENT

Copy : Original

CC

Lab No. : 0407358-019

Sample Information...

Type : Potable Water

Origin: Treated Well

Client ID. : 19108-019

Point No 056-34

Location: Well #12 Treated

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.

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

BNLM151 A 63

H2M LABS, INC.

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

Date Reported : 8/3/2004

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Joann M. Slavin

Laboratory Manager

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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

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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.

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager

I Z M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 664-3040 . 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

Date Reported : 8/3/2004

Joann M. Slavin

Laboratory Manager