

Environmental Services Division

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

www.bnl.gov

December 6, 2001

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

Dear Ms. Newcomer:

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

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

- Attachment I: BNL Potable Water Monthly Bacteriological and Operational Reports for November 2001.
- Attachment II: November 2001 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and Quarterly Water Quality Data for the BNL Distribution System.
- Attachment III: 2001 Fourth Quarter Radiological Analyses for the BNL Potable Water Wells
- Attachment IV: 2001 Fourth Quarter Principal Organic Compound Analyses for the BNL Potable Water Wells
- Attachment V: 2001 Fourth Quarter Bacteriological Reports for the BNL Potable Water Wells

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard

operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental Services Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

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

Sincerely,



Lori Cunniff, CEP
Division Manager



LC/MA:rt

Attachments: As noted

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

EC61ER.01

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

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

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: NOVEMBER

2001

LOCATION: **Water Treatment Facility**

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

Source: Ground Water

Does the system have a chlorination waiver? YES _____ NO X

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime	Sodium Hydroxide	
		Gallons	Cl ₂ use per 24hrs		mg/l		
1	1,393	130	10	0.77	7.2	12483132	
2	1,351	120+80	10	0.82	7.3	12484483	
3	0						
4	0						
5	4,138	172	28	0.55	7.2	12488621	
6	1,339	162	10	0.97	7.5	12489960	
7	1,244	152	10	0.58	7.4	12491204	
8	1,382	144	8	0.9	7.4	12492586	
9	1,361	134	10	0.67	7.4	12493947	
10	0						
11	0						
12	3,949	100	24	0.56	7.3	12497896	
13	1,303	91	9	0.85	7.1	12499199	
14	1,104	81	10	0.57	7.3	12500303	
15	1,309	71	10	0.56	7.3	12501612	
16	1,091	65+135	6	0.66	7.3	12502703	
17	0						
18	0						
19	24	200	0	NR	NR	12502727	
20	0	200	0	NR	NR	12502727	
21	0	200	0	NR	NR	12502727	
22	0						
23	0	200	0	NR	NR	12502727	
24	0						
25	0						
26	0	200	0	NR	NR	12502727	
27	0	200	0	NR	NR	12502727	
28	0	200	0	NR	NR	12502727	
29	80	200	0	NR	NR	12502807	
30	0	200	0	NR	NR	12502807	
31	0						
TOT	21,068		145				
AVG	702.27		4.83	No Days.	30		

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 niturb) 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: JO Ross

Date: 12-3-01

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: NOVEMBER 2001

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

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&R 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: 12-3-01

Title: Water Systems Supervisor

Certification No NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: NOVEMBER

2001

LOCATION: WELL NO. 6

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION			pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs			
1	914	167	13	0.08	5.5	263177
2	775	150	17	0.04	5.6	263952
3	0					
4	0					
5	2,470	100	50	0.14	6.4	266422
6	785	85	15	0.02	6.8	267207
7	7	80	5	0.04	6.3	267214
8	960	68	12	0.02	6.4	268174
9	609	140+60	8	0.02	6.3	268783
10	0					
11	0					
12	2,198	165	35	0.03	6.3	270981
13	517	152	13	0.02	5.9	271498
14	529	142	10	0.01	5.9	272027
15	771	130	12	0.01	6.1	272798
16	727	115+85	15	0	5.9	273525
17	0					
18	0					
19	0	200	0	NR	NR	273525
20	0	200	0	NR	NR	273525
21	1	200	0	NR	NR	273526
22	0					
23	0	200	0	NR	NR	273526
24	0					
25	0					
26	0	200	0	NR	NR	273526
27	0	200	0	NR	NR	273526
28	122	200	0	NR	NR	273648
29	0	200	0	NR	NR	273648
30	0	200	0	NR	NR	273648
31	0					
TOT	11,385		205			
AVG.	379.50		6.83	No. Days:	30	

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: *Joe Pass*

Date: 12-3-01

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: NOVEMBER 2001

LOCATION: WELL NO. 7

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

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

Day of month	CHLORINATION			pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂	Lime	
		Gallons	Cl ₂ use per 24hrs	Residual mg/l	Sodium Hydroxide	
1	1,408	170+30	35	0.08	5.5	669767
2	1,438	171	29	0.04	5.6	671205
3	0					
4	0					
5	4,129	130	41	0.14	6.4	675334
6	1,367	115	15	0.02	6.8	676701
7	1,310	100	15	0.04	6.3	678011
8	1,412	90	10	0.02	6.4	679423
9	1,409	75+125	15	0.02	6.4	680832
10	0					
11	0					
12	3,979	170	30	0.03	6.3	684811
13	1,345	160	10	0.02	5.9	686156
14	1,084	155	5	0.01	5.9	687240
15	1,293	140	15	0.01	6.1	688533
16	1,014	130+70	10	0	5.9	689547
17	0					
18	0					
19	0	198	2	NR	NR	689547
20	0	198	0	NR	NR	689547
21	0	198	0	NR	NR	689547
22	0					
23	0	198	0	NR	NR	689547
24	0					
25	0					
26	0	198	0	NR	NR	689547
27	0	198	0	NR	NR	689547
28	0	198	0	NR	NR	689547
29	0	198	0	NR	NR	689547
30	0	198	0	NR	NR	689547
31	0					
TOT	21,188		232			
AVG.	706.27		7.73	No. Days:	30	

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. Lee

Date: 12-3-01

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: NOVEMBER

2001

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 764322
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	58	0	NR	NR	764322	
2	0	58	0	NR	NR	764322	
3	0						
4	0						
5	0	58	0	NR	NR	764322	
6	0	58	0	NR	NR	764322	
7	0	58	0	NR	NR	764322	
8	0	58	0	NR	NR	764322	
9	0	58	0	NR	NR	764322	
10	0						
11	0						
12	0	58	0	NR	NR	764322	
13	0	58	0	NR	NR	764322	
14	0	58	0	NR	NR	764322	
15	0	58	0	NR	NR	764322	
16	0	58	0	NR	NR	764322	
17	0						
18	0						
19	0	58	0	NR	NR	764322	
20	0	58	0	NR	NR	764322	
21	0	58	0	NR	NR	764322	
22	0	58	0	NR	NR	764322	
23	0	58	0	NR	NR	764322	
24	0						
25	0						
26	0	58	0	NR	NR	764322	
27	0	58	0	NR	NR	764322	
28	0	58	0	NR	NR	764322	
29	0	58	0	NR	NR	764322	
30	0	58	0	NR	NR	764322	
31	0						
TOT	0		0				
AVG.	0.00		0.00	No. Days:	30		

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 5

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. A. [Signature]

Date: 12-3-01

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: NOVEMBER

2001

LOCATION: WELL NO. 11

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

YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

YES NO

Day of month	CHLORINATION				pH		Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide	Daily Totalizer	
	K Gals	Gallons	Cl ₂ use per 24hrs	mg/l			
1	3	180	0	0.69	6.4		366740
2	3	180	0	NR	NR		366743
3	0						
4	0						
5	0	180	0	NR	NR		366743
6	12	180	0	0.84	7.3		366755
7	459	175	5	NR	NR		367214
8	0	175	0	0.53	7.2		367214
9	1	175+25	0	NR	NR		367215
10	0						
11	0						
12	178	200	0	NR	NR		367393
13	0	200	0	0.6	7.4		367393
14	3	200	0	NR	NR		367396
15	0	200	0	0.48	6.4		367396
16	166	200	0	0.4	7.1		367562
17	0						
18	0						
19	4,617	160	40	NR	NR		372179
20	48	160+40	0	0.84	7.8		372227
21	137	200	0	0.94	8.1		372364
22	0						
23	121	200	0	NR	NR		372485
24	0						
25	0						
26	257	200	0	NR	NR		372742
27	354	193	7	0.68	7.1		373096
28	669	188	5	0.87	7.1		373765
29	619	180	8	0.8	7.1		374384
30	524	176	4	0.75	7.4		374908
31	0						
TOT	8,171		69				
AVG.	272.37		2.30	No. Days	30		

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

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

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: SA Ross

Date: 12-3-01

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: NOVEMBER

2001

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
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl ₂ Residual	___ Lime	___ Sodium Hydroxide	
	K Gals	120	Cl ₂ use per 24hrs	mg/l		Daily Totalizer
						370536
1	235	120	0	0.89	7.3	370771
2	369	115	5	0.65	7.6	371140
3	0					
4	0					
5	984	110	5	0.6	7.7	372124
6	302	105	5	0.59	7.4	372426
7	5	105	0	NR	NR	372431
8	0	105	0	0.48	7.2	372431
9	5	105+95	0	NR	NR	372436
10	0					
11	0					
12	0	200	0	NR	NR	372436
13	0	200	0	0.59	7.3	372436
14	6	200	0	NR	NR	372442
15	0	200	0	0.43	6.5	372442
16	21	199	1	1	7.3	372463
17	0					
18	0					
19	11	199	1	0.86	7	372474
20	1,473	188	11	0.7	8.3	373947
21	1,508	177+23	10	0.94	8.1	375455
22	0					
23	2,851	180	20	0.95	7.5	378306
24	0					
25	0					
26	4,393	152	28	0.71	7.5	382699
27	1,442	144	8	0.87	7.5	384141
28	1,455	134	10	0.83	7.5	385596
29	1,437	123	11	0.76	7.4	387033
30	1,418	115	8	0.61	6.8	388451
31	0					
TOT	17,915		123			
AVG	597.17		4.10	No. Days:	30	

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: Joe Ross

Date: 12-3-01

Title: Water Systems Supervisor

Certification No. NY0031941

11/30/01
Pump Data

MONTHLY GALLONAGE REPORT
2001NOVEMBER

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	914	1,408	0	3	235	2,560
2	0	775	1,438	0	3	369	2,585
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	2,470	4,129	0	0	984	7,583
6	0	785	1,367	0	12	302	2,466
7	0	7	1,310	0	459	5	1,781
8	0	960	1,412	0	0	0	2,372
9	0	609	1,409	0	1	5	2,024
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	2,198	3,979	0	178	0	6,355
13	0	517	1,345	0	0	0	1,862
14	0	529	1,084	0	3	6	1,622
15	0	771	1,293	0	0	0	2,064
16	0	727	1,014	0	166	21	1,928
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	4,617	11	4,628
20	0	0	0	0	48	1,473	1,521
21	0	1	0	0	137	1,508	1,646
22	0	0	0	0	0	0	0
23	0	0	0	0	121	2,851	2,972
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	0	0	257	4,393	4,650
27	0	0	0	0	354	1,442	1,796
28	0	122	0	0	669	1,455	2,246
29	0	0	0	0	619	1,437	2,056
30	0	0	0	0	524	1,418	1,942
31	0	0	0	0	0	0	0
Total	0	11,385	21,188	0	8,171	17,915	58,659
			Totalizer		Totalizer		Total(x1,000)
			This Month		Last Month		Gallons
	Well 4		1,479,844		1,479,844		0
	Well 6		273,648		262,263		11,385
	Well 7		689,547		688,359		21,188
	Well 10		764,322		764,322		0
	Well 11		374,908		366,737		8,171
	Well 12		388,451		370,536		17,915
AGS Water Supply Meter			324,415		315,307		9108.00
Medical Reactor - Well 105			9,171,093		9,171,093		0.00
Biology Building - Well 9			6,252,240		6,215,910		36.33

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 : TONY ROSS

Lab No. : 0111200-001A

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Federal ID 5111891

Client ID. : 11395-001

Collected : 11/8/01 8:45:00 AM

Point No : 1

Received : 11/8/01 2:12:00 PM

Location : B-49 WATER TOWER

Collected By : SB99

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	11/8/01

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

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

Date Reported : 11/12/01

Joann M. Slavin

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.

UPTON, NY 11973

Attn To : TONY ROSS

Lab No. : 0111200-002A

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Federal ID 5111891

Client ID. : 11395-002

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

Point No : 2

Received : 11/8/01 2:12:00 PM

Location : B-640 WATER TOWER

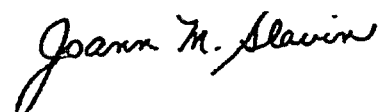
Collected By : SB99

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-CI G	11/8/01

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

Date Reported : 11/12/01



H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0111200-003A

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

Federal ID 5111891

Client ID. : 11395-003

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

Point No : 3

Received : 11/8/01 2:12:00 PM

Location : B-1005 RHIC

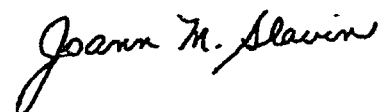
Collected By : SB99

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	11/8/01

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

Date Reported : 11/12/01



H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0111200-004A

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

Attn To : TONY ROSS

Federal ID 5111891

Client ID. : 11395-004

Collected : 11/8/01 9:00:00 AM

Point No : 4

Received : 11/8/01 2:12:00 PM

Location : B-363 APT.LAUNDRY

Collected By : SB99

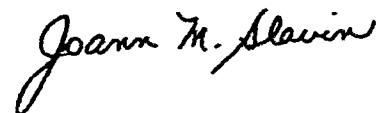
Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-CI G	11/8/01

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

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

Date Reported : 11/12/01



H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0111200-005A

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

Federal ID 5111891

Client ID. : 11395-005

Collected : 11/8/01 8:30:00 AM

Point No : 5

Received : 11/8/01 2:12:00 PM

Location : B-930 LINAC

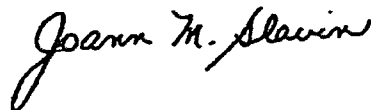
Collected By : SB99

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	11/8/01

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

Date Reported : 11/12/01



H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : TONY ROSS

Lab No. : 0111200-006A

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Federal ID 5111891

Client ID. : 11395-006

Collected : 11/8/01 9:30:00 AM

Point No : 6

Received : 11/8/01 2:12:00 PM

Location : B-490 OUTPATIENT CLINIC

Collected By : SB99

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	11/8/01

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

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

Date Reported : 11/12/01

Joann M. Slavin

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : TONY ROSS

Federal ID 5111891

Collected : 11/8/01 9:15:00 AM

Received : 11/8/01 2:12:00 PM

Collected By : SB99

Copies To : BOB LEE

Lab No. : 0111200-007A

Client ID. : 11395-007

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

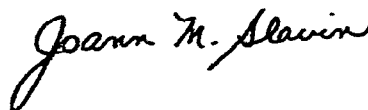
Point No : 7

Location : B-490 BLOCK 11

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	11/8/01 3:40:00 PM
E_Coliform	Absent		Absent	M9223	11/8/01 3:40:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	11/8/01

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

Date Reported : 11/12/01



ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

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

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

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	11/1/01	7.2	54	130	NR	NR
WTP	11/6/01	7.5	57	284	NR	NR
WTP	11/8/01	7.4	54	285	NR	NR
WTP	11/13/01	7.1	54	186	NR	NR
WTP	11/15/01	7.3	54	126	NR	NR
WTP	11/20/01	7.8	58	219	NR	NR
WTP	11/27/01	7.8	57	155	NR	NR
WTP	11/29/01	7.5	58	153	NR	NR
Well 11	11/1/01	6.4	56	255	NR	NR
Well 11	11/6/01	7.3	52	214	NR	NR
Well 11	11/8/01	7.2	55	194	NR	NR
Well 11	11/13/01	7.4	55	149	NR	NR
Well 11	11/15/01	6.4	55	130	NR	NR
Well 11	11/20/01	7.8	55	194	NR	NR
Well 11	11/27/01	7.1	55	198	NR	NR
Well 11	11/29/01	7.1	55	192	NR	NR
Well 12	11/1/01	7.3	56	154	NR	NR
Well 12	11/6/01	7.4	54	218	NR	NR
Well 12	11/8/01	7.2	55	208	NR	NR
Well 12	11/13/01	7.3	55	124	NR	NR
Well 12	11/15/01	6.5	55	150	NR	NR
Well 12	11/20/01	8.3	55	173	NR	NR
Well 12	11/27/01	7.5	56	160	NR	NR
Well 12	11/29/01	7.5	56	160	NR	NR
Bldg. 363	10/4/01	8.2	21	117	21.0	8.8
Bldg. 49	10/4/01	7.5	17	289	17.0	6.8
Bldg. 640	10/4/01	8.1	17	211	39.1	5.6

NR - Analysis Not Required or Not Reported

WTP - Water Treatment Plant

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

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. : 0110166-004

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

Federal ID 5111891

Client ID. : 8451-004

Collected 10/4/01 1:00:00 PM

Point No 4

Received : 10/4/01 3:35:00 PM

Location: B-363 APT.LAUNDRY

Collected By CLIENT

Copies To BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Specific Conductance	117	µmhos/cm		E120.1	10/4/01
PH (FIELD)	8.2	pH units		E150.1	10/4/01
Temperature	21	°C		E170.1	10/4/01
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM
Alkalinity, Total (As CaCO3)	21.0	mg/L		M2320 B	10/9/01 1:25:00 PM
Total Residual Chlorine	0.2	mg/L		M4500-Cl G	10/4/01

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

Date Reported : 11/6/01

Page 1 of 17

Joann M. Slavina

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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

8451-004

Lab Name: H2M LABS, INC. _____ Contract: _____
 Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: BNLM114
 Matrix (soil/water): WATER _____ Lab Sample ID: 0110166-004_
 Level (low/med): LOW _____ Date Received: 10/04/01_
 % Solids: _____

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	8840			P
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
 Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
 DATE REPORTED 10/29/01 _____

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H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-001

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

Federal ID 5111891

Client ID. : 8451-001

Collected 10/4/01 11:10:00 AM

Point No 1

Received : 10/4/01 3:35:00 PM

Location: B-49 WATER TOWER

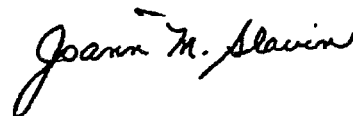
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	289	µmhos/cm		E120.1	10/4/01
PH (FIELD)	7.5	pH units		E150.1	10/4/01
Temperature	17	°C		E170.1	10/4/01
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM
Alkalinity, Total (As CaCO3)	17.0	mg/L		M2320 B	10/9/01 1:14:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	10/4/01

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

Date Reported : 11/6/01



1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

8451-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: _____

SAS No.: _____

SDG No.: BNLM114

Matrix (soil/water): WATER

Lab Sample ID: 0110166-001

Level (low/med): LOW

Date Received: 10/04/01

% Solids: _____

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

UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	6780			P
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

DATE REPORTED 10/29/01

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-002

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

Federal ID 5111891

Client ID. : 8451-002

Collected 10/4/01 11:20:00 AM

Point No 2

Received : 10/4/01 3:35:00 PM

Location: B-640 WATER TOWER

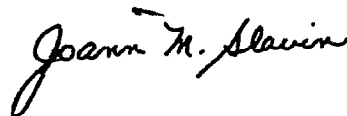
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	211	µmhos/cm		E120.1	10/4/01
PH (FIELD)	8.1	pH units		E150.1	10/4/01
Temperature	17	°C		E170.1	10/4/01
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM
Alkalinity, Total (As CaCO3)	39.1	mg/L		M2320 B	10/9/01 1:18:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-CI G	10/4/01

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

Date Reported : 11/6/01



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1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

8451-002

Lab Name: H2M LABS, INC. _____ Contract: _____
 Lab Code: 10478 _____ Case No.: _____ SAS No.: _____ SDG No.: BNLM114
 Matrix (soil/water): WATER _____ Lab Sample ID: 0110166-002_ _____
 Level (low/med): LOW _____ Date Received: 10/04/01_ _____
 % Solids: _____

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

UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony				NR
7440-38-2	Arsenic				NR
7440-39-3	Barium				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium				NR
7440-70-2	Calcium	5600			P
7440-47-3	Chromium				NR
7440-48-4	Cobalt				NR
7440-50-8	Copper				NR
7439-89-6	Iron				NR
7439-92-1	Lead				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury				NR
7440-02-0	Nickel				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium				NR
7440-22-4	Silver				NR
7440-23-5	Sodium				NR
7440-28-0	Thallium				NR
7440-62-2	Vanadium				NR
7440-66-6	Zinc				NR
	Cyanide				NR

Color Before: COLORLESS_ Clarity Before: CLEAR_ Texture: _____
 Color After: COLORLESS_ Clarity After: CLEAR_ Artifacts: _____

Comments:
 DATE REPORTED 10/29/01 _____

BNLM114 S 29

ATTACHMENT III

**Brookhaven National Laboratory
Potable Water Supply**

**2001 Fourth Quarter Radiological Analyses
for the BNL Potable Water Wells**

ATTACHMENT III
Table 2
Brookhaven National Laboratory
Potable Water Supply

Summary of Radiological Results for the BNL Potable Water Wells 2001 Fourth Quarter Monitoring Results				
Well ID	Gross Alpha pCi/L	Gross Beta pCi/L	Tritium pCi/L	Sr-90 pCi/L
Well # 6	< 0.75	< 1.94	< 306	< 0.60
Well # 7	< 0.75	< 1.94	< 306	< 0.68
Well # 11	< 0.75	< 1.94	< 306	0.70
Well # 12	< 0.75	< 1.94	< 306	< 0.56
Well # 12 (Duplicate)	< 0.75	2.21	< 306	< 0.95

C. O. C. Number
21102412

BROOKHAVEN NATIONAL LABORATORY
RADIOLOGICAL CONTROL DIVISION

BNL P.O. No: 11361

Contractor Number

ANALYTICAL SERVICES LABORATORY
BLDG 490
UPTON, N.Y. 11973-5000

Ship to: _____
Pick Up by: _____
Attention: _____

Page 1 of 1

Chain of Custody Information

Bioassay samples will not be accepted
if bottles are filled above the shoulder.

Project Name: WELLS		E-Mail Reports to:		SAMPLER: R. Metz		Priority Authorization Group Leader or Higher CALL x2502 (Rad), x4860 (Non-Rad)	
Requested by: B. Lee		EP Manager: B. Lee		SAMPLER: L. Lettieri			
Life Number: 20222 Ext. 3148		FSS Manager:		SAMPLER:			
Account No.: 07089 Dept. Code: ES							

FILL OUT ONLY SHADED AREAS. CANNOT ACCEPT SAMPLES WITH ACTIVITY >1mR/hr

ASL Number	Sample Information							Container		Analysis Requested***										
	Grid	-ID	Date	-C	Time	Depth	Matrix	Description	#	vol.	αβ	3H	γ	Sr90	MET	WQ	VOA	PCB	pH	
21102412-01	093	400	10/24/01		1327	99-150	W	WELL #6	1	4 ltr	X		X							
21102412-01	093	400	10/24/01		1327	99-150	W	WELL #6	1	500 ml		X								
21102412-02	092	400	10/24/01		1334	99-150	W	WELL #7	1	4 ltr	X		X							
21102412-02	092	400	10/24/01		1334	99-150	W	WELL #7	1	500 ml		X								
21102412-03	056	400	10/24/01		1341	93-142	W	WELL #11	1	4 ltr	X		X							
21102412-03	056	400	10/24/01		1341	93-142	W	WELL #11	1	500 ml		X								
21102412-04	056	401	10/24/01		1347	92-137	W	WELL #12	1	4 ltr	X		X							
21102412-04	056	401	10/24/01		1347	92-137	W	WELL #12	1	500 ml		X								
21102412-05	BD-1	-	10/24/01		-	-	W	BD - 1	1	4 ltr	X		X							
21102412-05	BD-1	-	10/24/01		-	-	W	BD - 1	1	500 ml		X								

Must be one of the samplers

Transferred to :	R. Metz	K.M. Clifford		
Signed by:	R. Metz	K.M. Clifford		
Date/time	10/24/01 1400	10/24/01 1403		

***OTHER ANALYSIS NOT LISTED

COMMENTS

21102414

509199

SAMPLING CHAIN OF CUSTODY

Request: EDD * ①

Analysis Requested By		Sampling Contractor		Analytical Laboratory	
Name: B. Lee	Name: ESD	Name: GEL			
Life No: 20222 Ext: 3148	Contact:	Address:			
Acct No: 07089 Depr: ES	Phone:	City: St: Zip:			
Email Reports To:	Email/Fax:	Contact:			
1 B. Lee	Sampler: R Metz / L. Letheri	Phone:			
2		Email/Fax:			
Project Name: E wells	Project Manager: B. Lee	Field Engineer:			

Comments:

Analysis Requested									
Alpha/Beta	Tridium	Gamma	Strontium	524.2	624	Nuclide-specific Alpha	PCBs	Metals	
			X						
			X						
			X						
			X						
			X						

UID	TYP	Sample Information				Additional Sample Information				
		Site ID/Bldg/Life #	Depth/RVP	Date	Time	Matrix	Name-Description	Concn/Vol/Units	Cont. Type	Preservative
001	e	093-400	99-150	10/24/01	1327	W	well # 6	4L	P 1	HNO3
002	e	092-400	99-150	↓	1334	W	well # 7	4L	P 1	HNO3
003	e	056-400	93-142		1341	W	well # 11	4L	P 1	HNO3
004	e	056-401	92-137		1347	W	well # 12	4L	P 1	HNO3
005	e	BD-1	—		—	W	BD-1	4L	P 1	HNO3

1 Relinquished By/Date/Time Print R Metz 10/24/01 Signature Robert Metz 1400	2 Relinquished By/Date/Time Print Signature	3 Relinquished By/Date/Time Print Signature
1 Received By/Date/Time Print [Signature] 10/25/01 0900 Signature	2 Received By/Date/Time Print Signature	3 Received By/Date/Time Print Signature

Contractor Lab Sample Disposal:

Return To Client Disposal by Lab

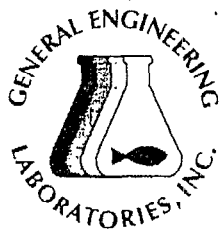
Archive For _____ Months

Turn-Around Time Required:

Rush (1 Day) 14 Days 30 Days

7 Days Other ()

2001102205



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Bell Avenue and Building 490
Upton, New York 11973

Contact : Sal Scarpitta
Project : ESD Contract w/EDD

Report Date: November 12, 2001

Page 1 of 1

Client Sample ID:	11362-001	Project:	BRKL00101
Sample ID:	50919001	Client ID:	BRKL002
Matrix:	Water	COC:	11362
Collect Date:	24-OCT-01 13:27	Samp Recv.:	11362
Receive Date:	25-OCT-01 09:00	Client Desc.:	093-400
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow										
<i>GFPC, Sr90, liquid</i>										
Strontium-90	U	0.138 +/-0.278	0.602	1.00	pCi/L		LOM110/31/01	1455	117127	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

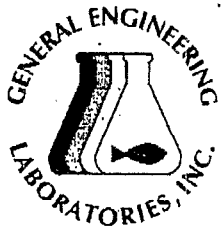
The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by

Potable Well #6





GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: November 12, 2001

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID:	11362-002	Project:	BRKL00101
Sample ID:	50919002	Client ID:	BRKL002
Matrix:	Water	COC:	11362
Collect Date:	24-OCT-01 13:34	Sample Recv.:	11362
Receive Date:	25-OCT-01 09:00	Client Desc.:	092-400
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow										
<i>GFPC, Sr90, liquid</i>										
Strontium-90	U	0.439 +/-0.338	0.684	1.00	pCi/L		LOM1 10/31/01	1455	117127	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Potable Well #7

Reviewed by *M. Name*



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Bell Avenue and Building 490
Upton, New York 11973

Report Date: November 12, 2001

Contact: Sal Scarpitta
Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 11362-003
Sample ID: 50919003
Matrix: Water
Collect Date: 24-OCT-01 13:41
Receive Date: 25-OCT-01 09:00
Collector: Client

Project: BRKL00101
Client ID: BRKL002
COC: 11362
Samp Recv.: 11362
Client Desc.: 056-400

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow										
GFPC, Sr90, liquid Strontium-90	J	0.702 +/-0.318	0.586	1.00	pCi/L		LOM1 10/31/01	1455	117127	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Portable Weir #11

Reviewed by



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: November 12, 2001

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID:	11362-004	Project:	BRKL00101
Sample ID:	50919004	Client ID:	BRKL002
Matrix:	Water	COC:	11362
Collect Date:	24-OCT-01 13:47	Samp Recv.:	11362
Receive Date:	25-OCT-01 09:00	Client Desc.:	056-401
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow										
GFPC, Sr90, liquid										
Strontium-90	U	0.378	+/-0.279	0.556	1.00	pCi/L	LOM1 10/31/01	1455.117127	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0	

Rotable Wku #12

Notes:

The Qualifiers in this report are defined as follows :

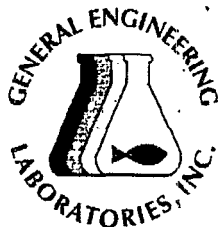
- DL Failed required detection limit.
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

V. Davis

Reviewed by



GENERAL ENGINEERING LABORATORIES

Meeting today's needs with a vision for tomorrow.

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Bell Avenue and Building 490
 Upton, New York 11973

Report Date: November 12, 2001

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 11362-005
 Sample ID: 50919005
 Matrix: Water
 Collect Date: 24-OCT-01 12:00
 Receive Date: 25-OCT-01 09:00
 Collector: Client

Project: BRKL00101
 Client ID: BRKL002
 COC: 11362
 Samp Recv.: 11362
 Client Desc.: BD-1

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow										
GFPC, Sr90, liquid Strontium-90	U	0.366 +/-0.451	0.946	1.00	pCi/L		LOM1 10/31/01	1455	117127	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- J Estimated value; the result was greater than the MDA but less than the required detection limit.
- JN Presumptive evidence of the analyte at an estimated quantity.
- R The data are unusable (radionuclide may or may not be present).
- U Undetected; sample result < MDA
- UI Uncertain identification for gamma spectroscopy.

The above sample is reported on an "as received" basis.

This data report has been prepared and reviewed in accordance with General Engineering Laboratories, Inc. standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

*Retable Week #12
Duplicate*

n. snow

 Reviewed by

ATTACHMENT IV

**Brookhaven National Laboratory
Potable Water Supply**

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

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-008

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

Federal ID : 5111891

Client ID. : 8451-008

Collected : 10/4/01 9:05:00 AM

Point No: 9

Received : 10/4/01 3:35:00 PM

Location: WELL #6 RAW

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Chloromethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/9/01 8:18:28 PM
Bromomethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Chloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Chloroform	< 0.5	µg/L	50	E502.2	10/9/01 8:18:28 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/9/01 8:18:28 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/9/01 8:18:28 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Bromoform	< 0.5	µg/L	50	E502.2	10/9/01 8:18:28 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM

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

Date Reported : 11/6/01

Joann M. Slavin

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. : 0110166-008

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

Federal ID : 5111891

Client ID. : 8451-008

Collected : 10/4/01 9:05:00 AM

Point No: 9

Received : 10/4/01 3:35:00 PM

Location: WELL #6 RAW

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Benzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Toluene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
o-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Styrene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/9/01 8:18:28 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 8:18:28 PM
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

Page 2 of 30

Joann M. Alavine

BNLM114 S 38

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. : 0110166-009

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

Federal ID : 5111891

Client ID. : 8451-009

Collected : 10/4/01 8:50:00 AM

Point No: 10

Received : 10/4/01 3:35:00 PM

Location: WELL #7 RAW

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Chloromethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/9/01 9:16:14 PM
Bromomethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Chloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Chloroform	1.2	µg/L	50	E502.2	10/9/01 9:16:14 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/9/01 9:16:14 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/9/01 9:16:14 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Bromoform	< 0.5	µg/L	50	E502.2	10/9/01 9:16:14 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM

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

Date Reported : 11/6/01

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-009

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

Federal ID : 5111891

Client ID : 8451-009

Collected : 10/4/01 8:50:00 AM

Point No: 10

Received : 10/4/01 3:35:00 PM

Location: WELL #7 RAW

Collected By CLIENT

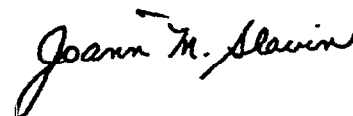
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Benzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Toluene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
o-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Styrene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/9/01 9:16:14 PM
tert-Dutylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 9:16:14 PM
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

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H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-010

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

Federal ID : 5111891

Client ID. : 8451-010

Collected : 10/4/01 10:20:00 AM Point No: 11
Received : 10/4/01 3:35:00 PM Location: WELL #10 RAW
Collected By CLIENT
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Chloromethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/9/01 10:14:03 PM
Bromomethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Chloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Chloroform	2.6	µg/L	50	E502.2	10/9/01 10:14:03 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Bromodichloromethane	3.5	µg/L	50	E502.2	10/9/01 10:14:03 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Dibromochloromethane	2.8	µg/L	50	E502.2	10/9/01 10:14:03 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Bromoform	1.4	µg/L	50	E502.2	10/9/01 10:14:03 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM

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

Date Reported : 11/6/01

Joann M. Slavin

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H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-010

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

Federal ID : 5111891

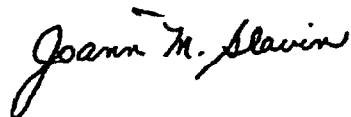
Client ID. : 8451-010

Collected : 10/4/01 10:20:00 AM Point No: 11
Received : 10/4/01 3:35:00 PM Location: WELL #10 RAW
Collected By CLIENT
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Benzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Toluene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
o-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Styrene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/9/01 10:14:03 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 10:14:03 PM
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-011

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

Federal ID : 5111891

Client ID. : 8451-011

Collected : 10/4/01 10:10:00 AM

Point No: 12

Received : 10/4/01 3:35:00 PM

Location: WELL #11 RAW

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Chloromethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/9/01 11:11:25 PM
Bromomethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Chloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Chloroform	< 0.5	µg/L	50	E502.2	10/9/01 11:11:25 PM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/9/01 11:11:25 PM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/9/01 11:11:25 PM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Bromoform	< 0.5	µg/L	50	E502.2	10/9/01 11:11:25 PM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM

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

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

Date Reported : 11/6/01

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H2M LABS, INC.

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

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

LABORATORY RESULTS

Lab No. : 0110166-011

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

Federal ID : 5111891

Client ID. : 8451-011

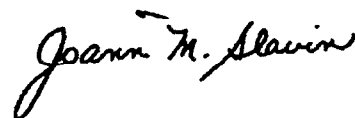
Collected : 10/4/01 10:10:00 AM Point No: 12
Received : 10/4/01 3:35:00 PM Location: WELL #11 RAW
Collected By CLIENT
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Benzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Toluene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
o-Xylene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Styrene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/9/01 11:11:25 PM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/9/01 11:11:25 PM
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

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H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0110166-012

Sample Information...

Type : Potable Water

Origin : Raw Well

Federal ID : 5111891

Client ID. : 8451-012

Collected : 10/4/01 9:10:00 AM

Point No: 13

Received : 10/4/01 3:35:00 PM

Location: WELL #12 RAW

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/10/01 12:08:52 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Chloroform	0.5	µg/L	50	E502.2	10/10/01 12:08:52 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/10/01 12:08:52 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/10/01 12:08:52 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/10/01 12:08:52 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM

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

Date Reported : 11/6/01

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Joann M. Slavin

BNLM114 S 49

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. : 0110166-012

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

Federal ID : 5111891

Client ID. : 8451-012

Collected : 10/4/01 9:10:00 AM

Point No: 13

Received : 10/4/01 3:35:00 PM

Location: WELL #12 RAW

Collected By CLIENT

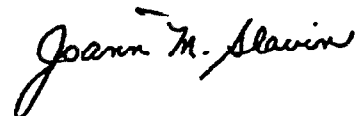
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Benzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Toluene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Styrene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/10/01 12:08:52 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 12:08:52 AM
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

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BNLMI14 S 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. : 0110166-018

Sample Information...

Type : Potable Water

Origin: Other

Federal ID : 5111891

Client ID. : 8452-018

Collected : 10/4/01 10:55:00 AM

Point No: 22

Received : 10/4/01 3:35:00 PM

Location: BLDG. 624 WTP

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/10/01 1:06:11 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/10/01 1:06:11 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/10/01 1:06:11 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/10/01 1:06:11 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/10/01 1:06:11 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM

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

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

Date Reported : 11/6/01

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BNLMI14 S 57

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-018

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

Federal ID : 5111891

Client ID. : 8452-018

Collected : 10/4/01 10:55:00 AM

Point No: 22

Received : 10/4/01 3:35:00 PM

Location: BLDG. 624 WTP

Collected By CLIENT

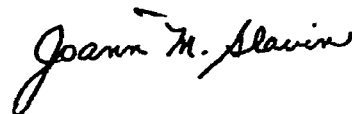
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Benzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Toluene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Styrene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/10/01 1:06:11 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 1:06:11 AM

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

Date Reported : 11/6/01

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BNLM114 S 58

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-019

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

Federal ID : 5111891

Client ID. : 8452-019

Collected : 10/4/01 10:20:00 AM

Point No: 19

Received : 10/4/01 3:35:00 PM

Location: WELL #10 TREATED

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/10/01 2:04:11 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/10/01 2:04:11 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/10/01 2:04:11 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/10/01 2:04:11 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/10/01 2:04:11 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM

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

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

Date Reported : 11/6/01

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Joann M. Slavine

BNLM114 S 59

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. : 0110166-019

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

Federal ID : 5111891

Client ID. : 8452-019

Collected : 10/4/01 10:20:00 AM

Point No: 19

Received : 10/4/01 3:35:00 PM

Location: WELL #10 TREATED

Collected By CLIENT

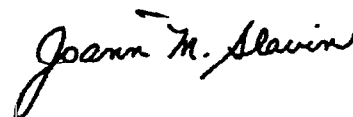
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Benzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Toluene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Styrene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/10/01 2:04:11 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 2:04:11 AM

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

Date Reported : 11/6/01

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BNLM114 S 60

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. : 0110166-020

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

Federal ID : 5111891

Client ID : 8452-020

Collected : 10/4/01 10:10:00 AM

Point No: 20

Received : 10/4/01 3:35:00 PM

Location: WELL #11 TREATED

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/10/01 3:01:57 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Chloroform	0.6	µg/L	50	E502.2	10/10/01 3:01:57 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/10/01 3:01:57 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/10/01 3:01:57 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/10/01 3:01:57 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM

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

Date Reported : 11/6/01

Joann M. Slavin

BNLM114 S 61

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-020

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

Federal ID : 5111891

Client ID. : 8452-020

Collected : 10/4/01 10:10:00 AM

Point No: 20

Received : 10/4/01 3:35:00 PM

Location: WELL #11 TREATED

Collected By CLIENT

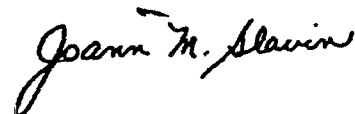
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Benzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Toluene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Styrene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/10/01 3:01:57 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:01:57 AM

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

Date Reported : 11/6/01

Page 2 of 30



BNLMI14 S 62

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. : 0110166-021

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

Federal ID : 5111891

Client ID. : 8452-021

Collected : 10/4/01 9:10:00 AM Point No: 21

Received : 10/4/01 3:35:00 PM Location: WELL #12 TREATED

Collected By CLIENT

Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/10/01 3:59:44 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Chloroform	0.7	µg/L	50	E502.2	10/10/01 3:59:44 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/10/01 3:59:44 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/10/01 3:59:44 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/10/01 3:59:44 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM

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

Date Reported : 11/6/01

Joann M. Slavin

BNLMI14 S 63

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-021

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

Federal ID : 5111891

Client ID. : 8452-021

Collected : 10/4/01 9:10:00 AM

Point No: 21

Received : 10/4/01 3:35:00 PM

Location: WELL #12 TREATED

Collected By CLIENT

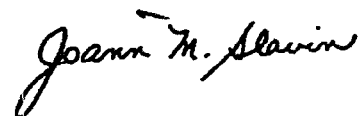
Copies To : BOB LEE

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Benzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Toluene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Styrene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/10/01 3:59:44 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/10/01 3:59:44 AM

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

Date Reported : 11/6/01

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ATTACHMENT V

**Brookhaven National Laboratory
Potable Water Supply**

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

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-008

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

Federal ID 5111891

Client ID : 8451-008

Collected 10/4/01 9:05:00 AM

Point No 9

Received : 10/4/01 3:35:00 PM

Location: WELL #6 RAW

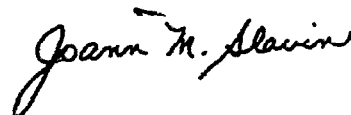
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



BNLM114 S 39

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. : 0110166-009

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

Federal ID 5111891

Client ID. : 8451-009

Collected 10/4/01 8:50:00 AM

Point No 10

Received : 10/4/01 3:35:00 PM

Location: WELL #7 RAW

Collected By CLIENT

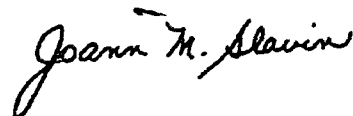
Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

Page 1 of 17



BNLMI14 S 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. : 0110166-010

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID 5111891

Client ID. : 8451-010

Collected 10/4/01 10:20:00 AM Point No 11

Received : 10/4/01 3:35:00 PM Location: WELL #10 RAW

Collected By CLIENT

Copies To BOB LEE

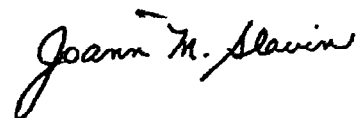
<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

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

Date Reported : 11/6/01

Page 1 of 17



BNLM114 S 45

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0110166-011

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID 5111891

Client ID. : 8451-011

Collected 10/4/01 10:10:00 AM

Point No 12

Received : 10/4/01 3:35:00 PM

Location: WELL #11 RAW

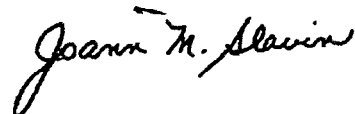
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



BNLMI14 S 48

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0110166-012

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID 5111891

Client ID. : 8451-012

Collected 10/4/01 9:10:00 AM

Point No 13

Received : 10/4/01 3:35:00 PM

Location: WELL #12 RAW

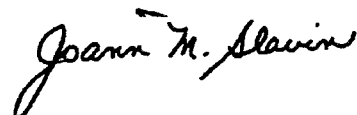
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



BNLM114 S 51

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0110166-013

Sample Information...

Type : Potable Water

Origin: Other

Federal ID 5111891

Client ID. : 8451-013

Collected 10/4/01 10:55:00 AM

Point No 14

Received : 10/4/01 3:35:00 PM

Location: WTF PACKED TOWER 648

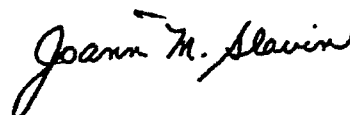
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-014

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

Federal ID 5111891

Client ID. : 8452-014

Collected 10/4/01 10:20:00 AM Point No 15

Received : 10/4/01 3:35:00 PM Location: WELL #10 GAC FILTER 654

Collected By CLIENT

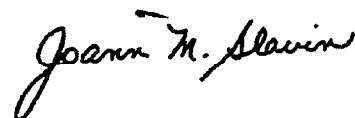
Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

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H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-015

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

Federal ID 5111891

Client ID. : 8452-015

Collected 10/4/01 10:10:00 AM

Point No 16

Received : 10/4/01 3:35:00 PM

Location: WELL #11 GAC FILTER 655

Collected By CLIENT

Copies To BOB LEE

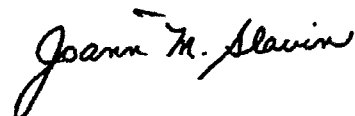
<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

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

Date Reported : 11/6/01

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H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0110166-016

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

Federal ID 5111891

Client ID. : 8452-016

Collected 10/4/01 9:10:00 AM

Point No 17

Received : 10/4/01 3:35:00 PM

Location: WELL #12 GAC FILTER 657

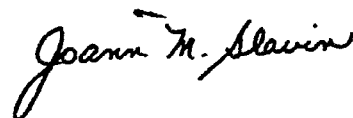
Collected By CLIENT

Copies To BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



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