

BROOKHAVEN
NATIONAL LABORATORY

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January 9, 2003

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 December 2002

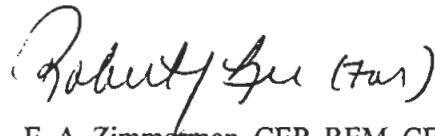
In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2002 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Operational and Bacteriological Reports for December.
- Attachment II: December 2002 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells, and Fourth Quarter Water Quality Data for the BNL Distribution System.
- Attachment III: 2002 Fourth Quarter Radiological Analyses for the BNL Potable Wells.
- Attachment IV: 2002 Fourth Quarter Principal Organic Compound Analyses for the 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,



E. A. Zimmerman, CEP, REM, CEA, CESM
Interim Division Manager

EZ/MA:cr

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.03

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Operational and Bacteriological Reports for December 2002
for the BNL Potable Water System**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **December 2002**

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 12730656
	Treated Water	Liquid Sodium Hypochlorite	Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer		
	K. Gals	Gallons Cl2 use per 24hrs	mg/l				
1	0	190					
2	1,445	175+25	15	1.09	7.2	12732101	
3	777	195	20	0.75	7.3	12732878	
4	847	185	10	0.4	7.3	12733725	
5	763	180	5	0.8	7.4	12734488	
6	822	170+30	10	1	7.5	12735310	
7	0						
8	0						
9	1,169	180	20	0.98	8	12736479	
10	721	173	7	0.85	7.5	12737200	
11	843	162	11	0.91	7.4	12738043	
12	845	154+46	8	1.1	7.5	12738888	
13	0	200	0	NR	NR	12738888	
14	0						
15	0						
16	36	200	0	1.08	7.7	12738924	
17	51	200	0	0.86	7.8	12738975	
18	0	200	0	1.2	7.8	12738975	
19	43	200	0	1.1	7.8	12739018	
20	0	200	0	0.52	7.1	12739018	
21	0						
22	0						
23	107	200	0	0.6	7.1	12739125	
24	20	200	0	0.32	7.1	12739145	
25	0						
26	65	198	2	0.71	7.1	12739210	
27	999	187	11	0.74	7.1	12740209	
28	0						
29	0						
30	3,137	150	27	0.71	7.2	12743346	
31	1,082	135	15	0.9	7.2	12744428	
TOT	13,772		161				
AVG.	444.26		5.19	No. Days:	31		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES _____ NO X

If yes, check reason's below.

___ Actual number of samples fewer than required.

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

___ Failure to analyze repeat samples.

Does an MCL violation exist? YES _____ NO X

If yes, check reason(s) below.

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

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

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

Reported by: *J. J. Pass*

Date: 1-3-03

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: December

2002

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
	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						1510466
2	648	75	45	0.28	5.8		1511114
3	296	72	3	0.26	5.9		1511410
4	382	72	0	0.4	5.7		1511792
5	343	72+39	0	0.04	5.9		1512135
6	263	105	6	0.1	6		1512398
7	0						
8	0						
9	119	105	0	NR	NR		1512517
10	103	102	3	0.36	6		1512620
11	447	96	6	0.016	5.9		1513067
12	491	87	9	0.13	6		1513558
13	0	87	0	NR	NR		1513558
14	0						
15	0						
16	1	87	0	NR	NR		1513559
17	0	87	0	NR	NR		1513559
18	0	87	0	NR	NR		1513559
19	0	87+63	0	NR	NR		1513559
20	0	150	0	NR	NR		1513559
21	0						
22	0						
23	1	150	0	NR	NR		1513560
24	0	150	0	NR	NR		1513560
25	0						
26	0	150	0	NR	NR		1513560
27	532	130	20	0.05	5.8		1514092
28	0						
29	0						
30	1,568	125	6	0.03	5.9		1515660
31	622	105	10	0.01	5.8		1516282
TOT	5,316		108				
AVG.	187.61		3.48	No. Days:	31		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: *Stacy Parry*

Date: 1-3-03

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: December 2002

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 360288
	Treated Water K Gals	Liquid Sodium Hypochlorite Gallons	Free Cl2 Residual mg/l	Hypochlorite Cl2 use per 24hrs	Lime Sodium Hydroxide	Totalizer	
1	0						
2	127	200	0	0.28	5.8	360415	
3	76	200	0	0.26	5.9	360491	
4	67	200	0	0.4	5.7	360558	
5	168	200	0	0.04	5.9	360726	
6	50	200	0	0.1	6	360776	
7	0						
8	0						
9	60	200	0	0.02	6	360836	
10	30	200	0	0.36	6	360866	
11	167	200	0	NR	NR	361033	
12	87	200	0	NR	NR	361120	
13	0	200	0	NR	NR	361120	
14	0						
15	0						
16	0	0	0	NR	NR	361120	
17	0	0	0	NR	NR	361120	
18	0	0	0	NR	NR	361120	
19	0	0	0	NR	NR	361120	
20	0	0	0	NR	NR	361120	
21	0						
22	0						
23	0	150	0	NR	NR	361120	
24	0	150	0	NR	NR	361120	
25	0						
26	0	150	0	NR	NR	361120	
27	119	132	18	0.05	5.8	361239	
28	0						
29	0						
30	254	132	0	0.03	5.9	361493	
31	202	125	7	0.01	5.8	361695	
TOT	1,407		25				
AVG	45.39		0.81	No. Days:	31		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

___ Actual number of samples fewer than required.

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

___ Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: *[Signature]*

Date: 1-3-03

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: December 2002

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 Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	170					947174
2	1553	150	20	0.28	5.8		948757
3	831	140	10	0.26	5.8		949588
4	1118	122	13	0.4	5.7		950703
5	863	10+90	12	0.04	5.9		951566
6	642	197	3	0.1	6		952508
7	0						
8	0						
9	1617	197	0	0.02	6		954125
10	955	187	10	0.36	6		955050
11	938	170	17	0.016	5.9		956018
12	959	160	10	0.13	6		956977
13	0	160	0	NR	NR		956977
14	0						
15	0						
16	0	0	0	NR	NR		956977
17	0	0	0	NR	NR		956977
18	0	0	0	NR	NR		956977
19	0	0	0	NR	NR		956977
20	0	0	0	NR	NR		956977
21	0						
22	0						
23	0	150	0	NR	NR		956977
24	0	150	0	NR	NR		956977
25	0						
26	0	150	0	NR	NR		956977
27	1012	170	30	0.05	5.8		957989
28	0						
29	0						
30	1467	54	54	0.03	5.9		961456
31	1174	30	16	0.01	5.8		962630
32	1546		200				
33	1675		645	two days	31		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&R violation exist? YES NO

If yes, check reason's below:

Actual number of samples lower 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 (including repeat or future) 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]

Title: Water Systems Supervisor

Date: 1-3-03

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: December 2002

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 764719
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	0	83	0	NR	NR	764719	
3	0	83	0	NR	NR	764719	
4	0	83	0	NR	NR	764719	
5	0	83	0	NR	NR	764719	
6	0	83	0	NR	NR	764719	
7	0						
8	0						
9	0	83	0	NR	NR	764719	
10	0	83	0	NR	NR	764719	
11	0	83	0	NR	NR	764719	
12	0	83	0	NR	NR	764719	
13	0	83	0	NR	NR	764719	
14	0						
15	0						
16	0	83	0	NR	NR	764719	
17	0	83	0	NR	NR	764719	
18	0	83	0	NR	NR	764719	
19	0	83	0	NR	NR	764719	
20	0	83	0	NR	NR	764719	
21	0						
22	0						
23	0	83	0	NR	NR	764719	
24	0	83	0	NR	NR	764719	
25	0						
26	0	83	0	NR	NR	764719	
27	0	83	0	NR	NR	764719	
28	0						
29	0						
30	0	83	0	NR	NR	764719	
31	0	83	0	NR	NR	764719	
TOT	0		0				
AVG.	0.00		0.00	No. Days:	31		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: *J. A. ...*

Date: 1-3-03

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: December 2002

LOCATION: WELL NO. 11

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

Source: Ground Water

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

Day of Month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	40	0	0.9	7.2	462912	
2	0	40	0	0.71	7	462912	
3	0	40	0	NR	NR	462912	
4	0	40	0	NR	NR	462912	
5	0	40	0	0.7	6.9	462912	
6	0	40	0	NR	NR	462912	
7	0	40	0	NR	NR	462912	
8	0	40	0	NR	NR	462912	
9	0	40	0	NR	NR	462912	
10	0	40	0	NR	NR	462912	
11	0	40	0	NR	NR	462912	
12	0	40+110	0	NR	NR	462912	
13	63	150	0	1	8	462980	
14	0						
15	0						
16	51	150	0	1.3	6.9	463031	
17	7	150	0	1.2	7.2	463038	
18	3	150	0	NR	NR	463041	
19	0	150	0	0.95	7.3	463041	
20	5	150	0	1.3	6.7	463046	
21	0						
22	0						
23	219	150	0	1.6	6.7	463368	
24	25	150	0	1.2	6.8	463390	
25	0						
26	46	150	0	1.3	7.1	463436	
27	198	150	0	1.07	NR	463594	
28	0						
29	0						
30	0	150	0	NR	NR	463594	
31	0	150	0	0.32	7.1	463594	
TOT	652						
AVG	21.0		0.00	No. Days:	21		

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 coliforms 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 bi-turb) per month

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

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

Reported by [Signature]

Date: 1-3-03

Title: Water Systems Supervisor

Registration No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 159

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: December

2002

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		Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime	Totalizer	
		K. Gals	Gallons		Cl ₂ use per 24hrs	Sodium Hydroxide	
1	0						
2	0	82	0	0.92	7.4	582153	
3	7	82	0	0.84	7.4	582160	
4	217	82	0	NR	NR	582377	
5	128	82	0	7.3	0.72	582505	
6	0	82	0	0.76	7.3	582505	
7	0						
8	0						
9	1,578	82+50	0	NR	NR	584083	
10	218	129	3	0.27	8.5	584301	
11	0	129	0	0.25	7	584301	
12	11	129	0	0.65	8.8	584312	
13	1,092	117	10	0.79	8.2	585404	
14	0						
15	0						
16	3,283	81	36	0.97	7.5	588687	
17	1,125	69	10	0.94	7.3	589812	
18	1,254	54	15	0.92	7.9	591066	
19	1,111	42+108	10	0.97	7.8	592177	
20	1,463	129	21	0.83	7	593540	
21	0						
22	0						
23	2,944	85	44	0.78	8.6	597484	
24	1,280	85	0	0.22	8	598864	
25	0						
26	2,078	68	27	0.91	8.2	601642	
27	1,445	55	5	0.43	8	601787	
28	0						
29	0						
30	301	64	1	NR	NR	602178	
31	178	64	0	0.45	8.1	602956	
31st	20,203		180				
31st	6710		0.96	No Days:	31		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: [Signature]

Title: Water Systems Supervisor

Date: 1-3-03

Certification No. NY0031941

12/31/02
Pump Data

MONTHLY GALLONAGE REPORT
2002 DECEMBER.xls

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	648	127	1,583	0	0	0	2,358
3	296	76	831	0	0	7	1,210
4	382	67	1,115	0	0	217	1,781
5	343	168	863	0	0	128	1,502
6	263	50	942	0	0	0	1,255
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	119	60	1,617	0	0	1,578	3,374
10	103	30	955	0	0	218	1,306
11	447	167	938	0	0	0	1,552
12	491	87	959	0	0	11	1,548
13	0	0	0	0	68	1,092	1,160
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	1	0	0	0	51	3,283	3,335
17	0	0	0	0	7	1,125	1,132
18	0	0	0	0	3	1,254	1,257
19	0	0	0	0	0	1,111	1,111
20	0	0	0	0	5	1,363	1,368
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	1	0	0	0	319	3,944	4,264
24	0	0	0	0	25	1,380	1,405
25	0	0	0	0	0	0	0
26	0	0	0	0	46	2,778	2,824
27	532	119	1,012	0	158	145	1,956
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	1,568	254	3,467	0	0	391	5,680
31	622	202	1,174	0	0	778	2,776
Total	5,816	1,407	15,456	0	682	20,803	44,164
			Totalizer This Month		Totalizer Last Month		Total(x1,000) Gallons
	Well 4		1,516,282		1,510,466		5,816
	Well 6		361,695		360,288		1,407
	Well 7		962,630		947,174		15,456
	Well 10		764,719		764,719		0
	Well 11		463,594		462,912		682
	Well 12		602,956		582,153		20,803
	GS Water Supply Meter		416,199		413,038		3,163.00
	Medeva Reactor - Well 105		0		0		0.00
	Well 9		6,708,380		6,691,430		16,950

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. : 0212157-002

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

Federal ID 5111891

Client ID. : 14856-002

Collected 12/5/2002 8:45:00 AM Point No 076-408

Received 12/6/2002 10:10:00 AM Location: B-640 Water Tower

Collected By CLIENT

Copies To M. Allocco

<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	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	12/5/2002

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

Date Reported : 12/9/2002

Joann M. Slavin

Laboratory Manager

H2M LABS. INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0212157-003

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

Federal ID 5111891

Client ID. : 14856-003

Collected 12/5/2002 9:30:00 AM Point No 045-12

Received 12/6/2002 10:10:00 AM Location: B-1005 Rhic

Collected By CLIENT

Copies To M. Allocco

<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	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	0.4	mg/L		M4500-CI G	12/5/2002

Joann M. Slavin

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-5436 NYSDOH ID # 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0212157-004

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

Federal ID 5111891

Client ID. : 14856-004

Collected 12/5/2002 9:05:00 AM Point No 109-19

Received 12/6/2002 10:10:00 AM Location: B-363 Apt.Laundry

Collected By CLIENT

Copies To M. Allocco

<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	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	12/5/2002

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

Date Reported: 12/9/2002

Joann M. Slavin

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3340, FAX: (631) 420-9436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0212157-005

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

Federal ID 5111891

Client ID. : 14856-005

Collected 12/5/2002 10:48:00 AM Point No 075-602

Received 12/6/2002 10:10:00 AM Location: B-725 Nsls

Collected By CLIENT

Copies To M. Allocco

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	1.2	mg/L		M4500-Cl G	12/5/2002

Results Exceed Regulatory Limits
Flagged with * Exceed Regulatory Limit(s) Limit value

12/11/2002

Page 2 of 2

Laboratory Manager

Joann M. Slavin

H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0212157-006

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

Federal ID 5111891

Client ID. : 14856-006

Collected 12/5/2002 10:30:00 AM Point No 084-69

Received 12/6/2002 10:10:00 AM Location: B-490 Block 1 Afc

Collected By CLIENT

Copies To M. Allocco

<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	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	12/5/2002

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

Date Reported : 12/9/2002

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 634-3040, FAX: (631) 420-8436 NYSDOHID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0212157-007

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

Federal ID 5111891

Client ID. : 14856-007

Collected 12/5/2002 10:40:00 AM Point No 084-68

Received 12/6/2002 10:10:00 AM Location: B-490 Block 4 Mrc

Collected By CLIENT

Copies To M. Allocco

<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	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	1.1	mg/L		M4500-Cl G	12/5/2002

Regulatory Limits) Limit noted

12/9/2002

Joann M. Slavin

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 : Tony Ross

Lab No. : 0212157-008

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

Federal ID 5111891
Collected 12/5/2002 10:40:00 AM Point No 084-68
Received 12/6/2002 10:10:00 AM Location: B-490 Block 4 Mrc
Collected By CLIENT
Copies To M. Allocco

Client ID. : 14856-008

<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	12/6/2002 11:00:00 AM
E_Coliform	Absent		Absent	M9223	12/6/2002 11:00:00 AM
Total Residual Chlorine	1.1	mg/L		M4500-Cl G	12/5/2002

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

Date Reported : 12/9/2002

Joann M. Slavina

Laboratory Manager

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**December 2002 Biweekly Water Quality Monitoring Data for
the BNL Potable Water Wells**

and Fourth Quarter Water Quality Data for the BNL Distribution System

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
December 2002

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	12/3/02	7.3	53	139	NR	NR
WTP	12/5/02	7.4	52	149	NR	NR
WTP	12/10/02	7.5	52	229	NR	NR
WTP	12/12/02	7.5	54	143	NR	NR
WTP	12/07/02	7.8	56	180	NR	NR
WTP	12/19/02	7.8	54	199	NR	NR
WTP	12/24/02	7.1	55	186	NR	NR
WTP	12/26/02	7.1	55	185	NR	NR
WTP	12/31/02	7.2	53	139	NR	NR
Well 12	12/3/02	7.4	55	148	NR	NR
Well 12	12/5/02	7.3	56	155	NR	NR
Well 12	12/10/02	8.5	56	180	NR	NR
Well 12	12/12/02	8.8	56	214	NR	NR
Well 12	12/07/02	7.3	56	186	NR	NR
Well 12	12/19/02	7.8	56	180	NR	NR
Well 12	12/24/02	8.0	55	211	NR	NR
Well 12	12/26/02	8.2	55	208	NR	NR
Well 12	12/31/02	8.1	55	211	NR	NR
Bldg. 49	10/10/02	NR	NR	NR	23.8	7.57
Bldg. 640	10/10/02	NR	NR	NR	25.0	7.82
Bldg. 363	10/10/02	NR	NR	NR	27.9	9.59

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 : Tony Ross

Lab No. : 0210345-030

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

Federal ID 5111891

Client ID. : 14859-029

Collected 10/10/2002 12:30:00 PM Point No 094-273

Received 10/10/2002 3:00:00 PM Location: B-49 Water Tower

Collected By CLIENT

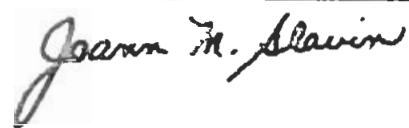
Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Alkalinity, Total (As CaCO3)	23.8	J mg/L		M2320 B	10/18/2002 1:24:00 PM

PH

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

Date Reported :



Laboratory Manager

BNLM127 S 68

INORGANIC ANALYSIS DATA SHEET

14859-029

Name: H2M_LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: BNLM127
 Matrix (soil/water): WATER Lab Sample ID: 0210345-030
 Level (low/med): LOW Date Received: 10/10/02
 % 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	7570			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 11/4/02

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. : 0210345-031

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

Federal ID 5111891
Collected 10/10/2002 9:05:00 AM Point No 076-408
Received 10/10/2002 3:00:00 PM Location: B-640 Water Tower
Collected By CLIENT
Copies To Tony Ross

Client ID. : 14859-030

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Alkalinity, Total (As CaCO3)	25.0	mg/L		M2320 B	10/18/2002 1:27:00 PM

J

PH

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

Joann M. Slavin

Date Reported :

Laboratory Manager

BNLM127 S 70

INORGANIC ANALYSIS DATA SHEET

14859-030

Name: H2M_LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: BNLM127
 Matrix (soil/water): WATER Lab Sample ID: 0210345-031
 Level (low/med): LOW Date Received: 10/10/02
 % 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	7820			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_11/4/02 _____

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. : 0210345-032

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

Federal ID 5111891

Client ID. : 14859-031

Collected 10/10/2002 9:30:00 AM Point No 109-19

Received 10/10/2002 3:00:00 PM Location: B-363 Apt.Laundry

Collected By CLIENT

Copies To Tony Ross

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Alkalinity, Total (As CaCO3)	27.9 J	mg/L		M2320 B	10/18/2002 1:30:00 PM

PH

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

Data Reported :

Joann M. Slavin

Laboratory Manager

BNLM127 S 72

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

14859-031

Lab Name: H2M_LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: _____ SAS No.: _____ SDG No.: BNLM127
 Matrix (soil/water): WATER Lab Sample ID: 0210345-032
 Level (low/med): LOW Date Received: 10/10/02
 % 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	9590			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_11/4/02 _____

BNLM127 S 71

ATTACHMENT III

**Brookhaven National Laboratory
Potable Water Supply**

**2002 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 2002 Fourth Quarter Monitoring Results				
Well ID	Gross Alpha pCi/L	Gross Beta pCi/L	Tritium pCi/L	Sr-90 pCi/L
Well # 4	< 0.58	< 1.69	< 286	< 1.0
Well # 6	0.81	< 1.69	< 286	< 1.0
Well # 7	2.86	1.72	< 286	< 1.0
Well # 11	0.87	< 1.69	< 286	< 1.0
Well #12	< 0.58	< 1.69	<286	< 1.0
Well # 4 (Duplicate)	< 0.58	< 1.69	< 286	< 1.0

ASL Prefix No.
22102307

Chain of Custody No.
15700

BROOKHAVEN NATIONAL LABORATORY
RADIOLOGICAL CONTROL DIVISION
SAMPLING CHAIN OF CUSTODY

No. of Pages: 1

Requires EDD

Carrier/Waybill #:
P.O. #:

Analysis Requested By		Sampling Contractor		Analytical Laboratory		Analysis Requested	
Name: D. Paquette		Name: ESD Field Sampling		Name: ASL			
Life No. 14314		Ext. 7046		Address:			
Acct. No. 07089		Dept.		City:		St:	
Email Reports to:		Email / Fax:		Contact:			
1. D. Paquette		Sampler: L. Lettieri/B. Metz		Phone:			
2		Project Manager		Email/Fax:			
Project Name		D. Paquette		Field Engineer			
F-Wells							
COMMENTS							

Sample Information								Container		Analysis Requested												
L.I.D.	U.I.D	Smp Col	Site I.D - Bldg. - Life #	Depth - RWP	Date	Time	Matrix	Description	Vol. / Unis	Type	No.	Preservative	Alpha / Beta	Tritium	Gamma	Strontium	524.2	624	Nuclide Specific Alpha	PCB's	Metals	
01	001	e	g 056-401	92-137	10/23/02	1425	W	Well #12	4.25 L.		2		X	X	X							
02	002	e	g 056-400	93-142	10/23/02	1431	W	Well #11	4.25 L.		2		X	X	X							
03	003	e	g 093-400	98-150	10/23/02	1418	W	Well #6	4.25 L.		2		X	X	X							
04	004	e	g 092-400	99-150	10/23/02	1357	W	Well #7	4.25 L.		2		X	X	X							
05	005	e	g BD-1		10/23/02		W	BD-1 - View F-t-Duplicate	4.25 L.		2		X	X	X							
06	006	e	g 083-400	99-147	10/23/02	1405	W	Well #14 Mr 1-2-03	4.25 L.		2		X	X	X							

1. Relinquished by / Date / Time		2. Relinquished by / Date / Time		3. Relinquished by / Date / Time		Contractor Lab Sample Disposal	
Signature: L. Lettieri		Signature:		Signature:		Return to Client: Disposal by lab: _____	
Date / Time: 10/23/02 1440		Date / Time:		Date / Time:		Archive for _____ Months	
1. Received by / Date / Time		2. Received by / Date / Time		3. Received by / Date / Time		Turn Around Time Required:	
Signature: P. Hechtis		Signature:		Signature:		Rush 1 Day: _____ 14 Days _____ 30 Days _____	
Date / Time: 10/23/02 1445		Date / Time:		Date / Time:		7 Days: _____ Other: _____ Days	

ASL Prefix No. **22102308**

Carrier/Waybill # **PO.# 33537**

Page **1** of **1**

BROOKHAVEN
NATIONAL LABORATORY

SAMPLING CHAIN OF CUSTODY

Chain of Custody No. **15701**

Requires EDD DQL _____

Analysis Requested By
Name: **D Paquette** 3046
Life No: **14314** Ex: **SHH**
ASL No: **07085** Dept: **E**
Email Reports To: **D Paquette**
Project Name: **F wells**

Sampling Contractor
Name: **GEL**
Address: _____
City: _____ St: _____ Zip: _____
Contact: _____
Phone: _____
Email/Fax: _____
Sampler: **C. Lettieri / B. Metz**
Project Manager: **D Paquette**

Analytical Laboratory
Name: _____
Address: _____
City: _____ St: _____ Zip: _____
Contact: _____
Phone: _____
Email/Fax: _____
Field Engineer: _____

Comments: **69346**

Sample Information				Additional Sample Information								
LD	UID	Sw	Col	Site ID/Bag/Can #	Depth/WVP	Date	Time	Range	Name/Description	Conc/Units	Can Type	Preparative
001	001	R	G	056-401	92-137	10/23/02	1425	W	Well #12	48	P	HNO3
002	002	R	G	056-400	93-142	10/23/02	1431	W	Well #11	41	P	HNO3
003	003	R	G	093-400	98-150	10/23/02	1418	W	Well #6	48	P	HNO3
004	004	R	G	092-400	99-150	10/23/02	1357	W	Well #7	48	P	HNO3
005	005	R	G	BD-1	9	10/23/02	-	W	BD-1	41	P	HNO3
006	006	R	G	083-400	95-147	10/23/02	1405	W	Well #4	48	P	HNO3

Analysis Requested

Alpha/Beta	
Tritium	
Gamma	
Strontium 90 (EPA 905)	X
5242	
624	
Nucleide-specific Alpha	
PCBs	
Metals	

Contractor Lab Sample Disposit:
 Return To Client
 Archive for _____ Months
 Full
 Summary

Turn-Around Time Required:
 Rush (1 Day)
 7 Days
 14 Days
 30 Days
 Other ()

1. Relinquished By/Date/Time
 Print: **C. Lettieri** 10/23/02
 Signature: _____
 1. Received By/Date/Time: _____
 Print: _____
 Signature: _____

2. Relinquished By/Date/Time
 Print: _____
 Signature: _____
 2. Received By/Date/Time: _____
 Print: _____
 Signature: _____

3. Relinquished By/Date/Time
 Print: _____
 Signature: _____
 3. Received By/Date/Time: _____
 Print: _____
 Signature: _____



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, 2002

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID:	15701-006	Project:	BRKL00101
Sample ID:	69346006	Client ID:	BRKL002
Matrix:	Water	COC:	22102308/15701
Collect Date:	23-OCT-02 14:05	Sample Recv.:	22102308/15701
Receive Date:	24-OCT-02 09:00	Client Desc.:	083-400
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow											
GFPC, Sr90, liquid Strontium-90	U	0.00157	+/-0.327	0.754	1.00	pCi/L	AB2	11/06/02	2327	211467	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- 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.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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.

Valerie 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

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Report Date: November 12, 2002

Page 1 of 1

Client Sample ID: 15701-005
 Sample ID: 69346005
 Matrix: Water
 Collect Date: 23-OCT-02 00:00
 Receive Date: 24-OCT-02 09:00
 Collector: Client

Project: BRKL00101
 Client ID: BRKL002
 COC: 22102308/15701
 Samp Recv.: 22102308/15701
 Client Desc.: BD-1

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow											
<i>GFPC, Sr90, liquid</i>											
Sr-90	U	0.119 +/-0.334	0.753	1.00	pCi/L	AB2	11/06/02	2327	211467	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- 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.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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.

Valerie Drum
 Reviewed by

*Potable Well #4
 Duplicate*



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, 2002

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID: 15701-003
 Sample ID: 69346003
 Matrix: Water
 Collect Date: 23-OCT-02 14:18
 Receive Date: 24-OCT-02 09:00
 Collector: Client

Project: BRKL00101
 Client ID: BRKL002
 COC: 22102308/15701
 Samp Recv.: 22102308/15701
 Client Desc.: 093-400

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gas Flow										
GFPC, Sr90, liquid Strontium-90	U	0.0707 +/-0.288	0.657	1.00	pCi/L	AB2	11/06/02	2327	211467	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- 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.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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.

Valerie 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

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Report Date: November 12, 2002

Page 1 of 1

Client Sample ID:	15701-004	Project:	BRKL00101
Sample ID:	69346004	Client ID:	BRKL002
Matrix:	Water	COC:	22102308/15701
Collect Date:	23-OCT-02 13:57	Samp Recv.:	22102308/15701
Receive Date:	24-OCT-02 09:00	Client Desc.:	092-400
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow											
<i>GFPC, Sr90, liquid</i>											
Sr-90	U	0.232	+/-0.321	0.706	1.00	pCi/L	AB2	11/06/02	2327	211467	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- 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.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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.

Valerie Deum

Reviewed by

Potable Well # 7



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, 2002

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Page 1 of 1

Client Sample ID:	15701-002	Project:	BRKL00101
Sample ID:	69346002	Client ID:	BRKL002
Matrix:	Water	COC:	22102308/15701
Collect Date:	23-OCT-02 14:31	Sampl Recv.:	22102308/15701
Receive Date:	24-OCT-02 09:00	Client Desc.:	056-400
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow											
GFPC, Sr90, liquid											
Sr-90	U	0.161 +/-0.333	0.765	1.00	pCi/L	AB2	11/07/02	1244	211467	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows:

- DL Failed required detection limit.
- H Holding time exceeded
- 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.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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.

Valerie Drum
 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

Contact: Sal Scarpitta
 Project: ESD Contract w/EDD

Report Date: November 12, 2002

Page 1 of 1

Client Sample ID:	15701-001	Project:	BRKL00101
Sample ID:	69346001	Client ID:	BRKL002
Matrix:	Water	COC:	22102308/15701
Collect Date:	23-OCT-02 14:25	Samp Recv.:	22102308/15701
Receive Date:	24-OCT-02 09:00	Client Desc.:	056-401
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Rad Gas Flow											
GFPC, Sr-90, liquid											
Strontium-90	U	0.157 +/-0.335	0.751	1.00	pCi/L		AB2	11/06/02	2308	211467	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 905.0 Modified	

Notes:

The Qualifiers in this report are defined as follows :

- DL Failed required detection limit.
- H Holding time exceeded
- 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.

Where the analytical method has been performed under NELAP certification, the analysis has met all of the requirements of the NELAC standard unless qualified on the Certificate of Analysis.

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.

Valerie Davis

Reviewed by

Portable Well #12

ATTACHMENT IV

**Brookhaven National Laboratory
Potable Water Supply**

**2002 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 : Tony Ross

Lab No. : 0210345-021

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

Federal ID 5111891

Client ID. : 14859-020

Collected 10/10/2002 12:50:00 PM Point No 8
Received 10/10/2002 3:00:00 PM Location: Well #4 Raw
Collected By CLIENT
Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 2:13:16 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Chloroform	7.0	µg/L	50	E502.2	10/23/2002 2:13:16 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 2:13:16 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 2:13:16 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 2:13:16 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM

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

Joann M. Slavin

Date Reported : 11/7/2002

Laboratory Manager

BNLM127 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 : Tony Ross

Lab No. : 0210345-021

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

Federal ID 5111891
Collected 10/10/2002 12:50:00 PM Point No 8
Received 10/10/2002 3:00:00 PM Location: Well #4 Raw
Collected By CLIENT
Copies To Tony Ross

Client ID. : 14859-020

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 2:13:16 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 2:13:16 AM

PH

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

Date Reported : 11/7/2002

Joann M. Slavin

Laboratory Manager

BNLM127 S 50

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 : Tony Ross

Lab No. : 0210345-022

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

Federal ID 5111891

Client ID. : 14859-021

Collected 10/10/2002 1:05:00 PM Point No 9
 Received 10/10/2002 3:00:00 PM Location: Well #6 Raw

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 3:10:39 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 3:10:39 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 3:10:39 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 3:10:39 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 3:10:39 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM

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

Date Reported : 11/7/2002

Laboratory Manager

Joann M. Slavin

BNLM127 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 : Tony Ross

Lab No. : 0210345-022

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

Federal ID 5111891
Collected 10/10/2002 1:05:00 PM Point No 9
Received 10/10/2002 3:00:00 PM Location: Well #6 Raw
Collected By CLIENT
Copies To Tony Ross

Client ID. : 14859-021

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 3:10:39 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 3:10:39 AM

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

Date Reported : 11/7/2002

Laboratory Manager

Joann M. Slavin

BNLM127 S 52

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. : 0210345-023

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

Federal ID 5111891

Client ID. : 14859-022

Collected 10/10/2002 1:15:00 PM Point No 10
Received 10/10/2002 3:00:00 PM Location: Well #7 Raw
Collected By CLIENT
Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 4:07:59 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 4:07:59 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 4:07:59 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 4:07:59 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 4:07:59 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM

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

Date Reported : 11/7/2002

Page 7 of 20

Joann M. Slavin

Laboratory Manager

BNLM127 S 53

H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-023

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

Federal ID 5111891

Client ID. : 14859-022

Collected 10/10/2002 1:15:00 PM Point No 10
Received 10/10/2002 3:00:00 PM Location: Well #7 Raw
Collected By CLIENT
Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 4:07:59 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 4:07:59 AM

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

Date Reported : 11/7/2002

Joanna M. Slavin

Laboratory Manager

BNLM127 S 54

H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-024

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

Federal ID 5111891

Client ID. : 14859-023

Collected 10/10/2002 10:30:00 AM Point No 11

Received 10/10/2002 3:00:00 PM Location: Well #10 Raw

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 5:05:45 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 5:05:45 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 5:05:45 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 5:05:45 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 5:05:45 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM

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

Date Reported : 11/7/2002

Page 9 of 20

Laboratory Manager

Joann M. Slavin

BNLM127 S 55

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. : 0210345-024

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

Federal ID 5111891

Client ID. : 14859-023

Collected 10/10/2002 10:30:00 AM Point No 11

Received 10/10/2002 3:00:00 PM Location: Well #10 Raw

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 5:05:45 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 5:05:45 AM

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

Date Reported : 11/7/2002

Joann M. Slavin

Laboratory Manager

BNLM127 S 56

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. : 0210345-026

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

Federal ID 5111891
 Collected 10/10/2002 11:00:00 AM Point No 12
 Received 10/10/2002 3:00:00 PM Location: Well #11 Raw
 Collected By CLIENT
 Copies To Tony Ross

Client ID. : 14859-025

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 7:03:25 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 7:03:25 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 7:03:25 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 7:03:25 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 7:03:25 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM

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

Joann M. Slavin

Date Reported : 11/7/2002

Laboratory Manager

BNLM127 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 : Tony Ross

Lab No. : 0210345-026

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

Federal ID 5111891
Collected 10/10/2002 11:00:00 AM Point No 12
Received 10/10/2002 3:00:00 PM Location: Well #11 Raw
Collected By CLIENT
Copies To Tony Ross

Client ID. : 14859-025

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 7:03:25 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 7:03:25 AM

UJ
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UJ
PH

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

Date Reported : 11/7/2002

Joann M. Slavin

Laboratory Manager

BNLM127 S 60

H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
 70 Bell Ave.
 Upton, NY 11973
 Attn To : Tony Ross

Lab No. : 0210345-028

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

Federal ID 5111891

Client ID. : 14859-027

Collected 10/10/2002 10:45:00 AM Point No 13

Received 10/10/2002 3:00:00 PM Location: Well #12 Raw

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 9:02:08 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 9:02:08 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 9:02:08 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 9:02:08 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 9:02:08 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM

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

Joann M. Slavin

Date Reported : 11/7/2002

Laboratory Manager

BNLM127 S 63

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-028

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

Federal ID 5111891

Client ID. : 14859-027

Collected 10/10/2002 10:45:00 AM Point No 13

Received 10/10/2002 3:00:00 PM Location: Well #12 Raw

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 9:02:08 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 9:02:08 AM

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

Date Reported : 11/7/2002

Laboratory Manager

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. : 0210345-025

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

Federal ID 5111891

Client ID. : 14859-024

Collected 10/10/2002 10:30:00 AM Point No 055-36

Received 10/10/2002 3:00:00 PM Location: Well #10 Gac Filter 654

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 6:04:57 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 6:04:57 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 6:04:57 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 6:04:57 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 6:04:57 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM

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

Date Reported : 11/7/2002

Laboratory Manager

Joann M. Slavine

BNLM127 S 57

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-025

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

Federal ID 5111891

Client ID. : 14859-024

Collected 10/10/2002 10:30:00 AM Point No 055-36

Received 10/10/2002 3:00:00 PM Location: Well #10 Gac Filter 654

Collected By CLIENT

Copies To Tony Ross

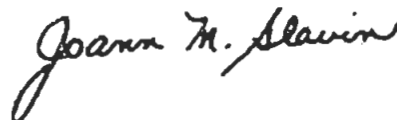
Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 6:04:57 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 6:04:57 AM

BH

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

Date Reported : 11/7/2002

Laboratory Manager



H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
 70 Bell Ave.
 Upton, NY 11973
 Attn To : Tony Ross

Lab No. : 0210345-027

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

Federal ID 5111891

Client ID. : 14859-026

Collected 10/10/2002 11:00:00 AM Point No 056-31

Received 10/10/2002 3:00:00 PM Location: Well #11 Gac Filter 655

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 8:01:42 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 8:01:42 AM
1,1,1-Trichloroethane	0.7	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 8:01:42 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 8:01:42 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 8:01:42 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM

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

Joann M. Slavin

Date Reported : 11/7/2002

Laboratory Manager

BNLM127 S 61

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-027

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

Federal ID 5111891

Client ID. : 14859-026

Collected 10/10/2002 11:00:00 AM Point No 056-31

Received 10/10/2002 3:00:00 PM Location: Well #11 Gac Filter 655

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 8:01:42 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 8:01:42 AM

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

Joann M. Slavin

Date Reported : 11/7/2002

Laboratory Manager

BNLM127 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 : Tony Ross

Lab No. : 0210345-029

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

Federal ID 5111891

Client ID. : 14859-028

Collected 10/10/2002 10:45:00 AM Point No 056-32
Received 10/10/2002 3:00:00 PM Location: Well #12 Gac Filter 657
Collected By CLIENT
Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 10:03:47 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 10:03:47 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 10:03:47 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 10:03:47 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 10:03:47 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM

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

Date Reported : 11/7/2002

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Laboratory Manager

Joann M. Slavin

BNLM127 S 65

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. : 0210345-029

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

Federal ID 5111891

Client ID. : 14859-028

Collected 10/10/2002 10:45:00 AM Point No 056-32

Received 10/10/2002 3:00:00 PM Location: Well #12 Gac Filter 657

Collected By CLIENT

Copies To Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 10:03:47 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 10:03:47 AM

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

Joann M. Slavin

Date Reported : 11/7/2002

Laboratory Manager

BNLM127 S 66

H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-020

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

Federal ID 5111891
Collected 10/10/2002 11:30:00 AM Point No 22
Received 10/10/2002 3:00:00 PM Location: Bldg. 624 Wtp
Collected By CLIENT
Copies To Tony Ross

Client ID. : 14859-019

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dichlorodifluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Chloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Vinyl chloride	< 0.5	µg/L	2	E502.2	10/23/2002 1:15:49 AM
Bromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Chloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Trichlorofluoromethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,1-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Methylene chloride	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
trans-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,1-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
cis-1,2-Dichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
2,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Bromochloromethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Chloroform	< 0.5	µg/L	50	E502.2	10/23/2002 1:15:49 AM
1,1,1-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Carbon tetrachloride	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,1-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,2-Dichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Trichloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,2-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Dibromomethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Bromodichloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 1:15:49 AM
trans-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
cis-1,3-Dichloropropene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,1,2-Trichloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Tetrachloroethene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,3-Dichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Dibromochloromethane	< 0.5	µg/L	50	E502.2	10/23/2002 1:15:49 AM
Chlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,1,1,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Bromoform	< 0.5	µg/L	50	E502.2	10/23/2002 1:15:49 AM
Bromobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,1,2,2-Tetrachloroethane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,2,3-Trichloropropane	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
2-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
4-Chlorotoluene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,2-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,3-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,4-Dichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM

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

Date Reported : 11/7/2002

Laboratory Manager

Joann M. Slavin

BNLM127 S 47

H2M LABS, INC.

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

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Tony Ross

Lab No. : 0210345-020

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

Federal ID 5111891
Collected 10/10/2002 11:30:00 AM Point No 22
Received 10/10/2002 3:00:00 PM Location: Bldg. 624 Wtp
Collected By CLIENT
Copies To Tony Ross

Client ID. : 14859-019

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2,4-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Hexachlorobutadiene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,2,3-Trichlorobenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Benzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Toluene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Ethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
m,p-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
o-Xylene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Styrene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Isopropylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
n-Propylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,3,5-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
Methyl tert-butyl ether	< 0.5	µg/L	50	E502.2	10/23/2002 1:15:49 AM
tert-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
1,2,4-Trimethylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
4-Isopropyltoluene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
sec-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM
n-Butylbenzene	< 0.5	µg/L	5	E502.2	10/23/2002 1:15:49 AM

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

Date Reported : 11/7/2002

Joann M. Slavin

Laboratory Manager

BNLM127 S 48