Environmental and Waste Management Services

BROOKHAVEN
NATIONAL LABORATORY

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

September 10, 2003

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

Dear Ms. Kathleen Newcomer:

**Subject: Monthly Water Treatment Plant Reports**
**Reference: Suffolk County Minimum Monitoring Requirements for August 2003**

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2003 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 August.

Attachment II: August 2003 Biweekly, Third Quarter, and Semi-Annual Water Quality Monitoring Data for the BNL Potable Water Wells and the BNL Distribution System and Annual Asbestos Analysis for the BNL Potable Water Distribution System.

Attachment III: Summary of 2003 Annual First Draw Lead and Copper Analyses and Supporting Documentation.

Attachment IV: 2003 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Potable Water Distribution System.

Attachment V: 2003 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Potable Wells, Third Quarter Principal Organic Compound Analyses for the BNL Potable Water Distribution System and Potable Water Wells, and Annual Synthetic Organic Chemical and Pesticides Analyses for the BNL Potable Water Wells.

NSF
REGISTERED TO ISO 14001: 1996
NSF's Registration Program is accredited by the American National Standards Institute-Registrar Accreditation Board

Attachment VI: 2003 Third Quarter Radiological Analyses for the BNL Potable Water Wells

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS) except for total iron concentration at Potable Wells 4, 6, and 7. The water from these wells is treated at the Water Treatment Facility for iron and color reduction prior to site distribution. The analysis of distribution water met the iron and color drinking water standards.

Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental and Waste Management Services Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

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

Sincerely,

George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car
Attachments: As noted

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

File: EC61ER.03

# ATTACHMENT I

## Brookhaven National Laboratory
## Potable Water Supply

## Monthly Operational and Bacteriological Reports for August 2003
## for the BNL Potable Water System

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

| PROGRAM CODE 169 | STATION 11515100 | SUFFOLK COUNTY | REPORTING PERIOD: AUGUST 2003 |
|---|---|---|---|

LOCATION: **Water Treatment Facility**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 112 | per 24hrs | mg/l | Hydroxide | 12946617 |
| 1 | 1,054 | 95 | 17 | 0.8 | 7.8 | 12947671 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 3,032 | 60+140 | 35 | 1.1 | 7.7 | 12950703 |
| 5 | 718 | 190 | 10 | 1.5 | 7 | 12951421 |
| 6 | 789 | 178 | 12 | 1.2 | 7.1 | 12952210 |
| 7 | 1,121 | 160 | 18 | 1.4 | 7.2 | 12953331 |
| 8 | 1,093 | 150+50 | 10 | 1 | 7.3 | 12954424 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 3,468 | 160 | 40 | 1.03 | 7.3 | 12957892 |
| 12 | 870 | 145 | 15 | 1.08 | 7.4 | 12958762 |
| 13 | 1,077 | 130 | 15 | 0.59 | 7.6 | 12959839 |
| 14 | 1,106 | 120 | 10 | 0.81 | 7.6 | 12960945 |
| 15 | 633 | 110 | 10 | 0.7 | 7 | 12961578 |
| 16 | 0 | 110+90 | | | | |
| 17 | 0 | | | | | |
| 18 | 3,453 | 190 | 10 | 0.62 | 6.9 | 12965031 |
| 19 | 1,087 | 175 | 15 | 0.72 | 7.2 | 12966118 |
| 20 | 1,101 | 155+45 | 20 | 1.13 | 7.2 | 12967219 |
| 21 | 1,106 | 185 | 15 | 0.7 | 7.3 | 12968325 |
| 22 | 1,144 | 200 | 15 | 0.73 | 7.3 | 12969469 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 3,106 | 162 | 38 | 1.2 | 7.2 | 12972575 |
| 26 | 1,049 | 150 | 12 | 0.7 | 7.2 | 12973624 |
| 27 | 1,102 | 138 | 12 | 0.89 | 7 | 12974726 |
| 28 | 959 | 127 | 11 | 0.82 | 7.1 | 12975685 |
| 29 | 1,097 | 112 | 15 | 1.1 | 7.3 | 12976782 |
| 30 | 0 | | | | | |
| 31 | 2,955 | 78 | 34 | 0.82 | 7.1 | 12979737 |
| TOT | 33,120 | | 389 | | | |
| AVG. | 1068.39 | | 12.55 | No. Days: | 31 | |

**Population Served 3,500**

**Number of routine samples** 4

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

**Number of actual routine samples** 7

**Does a M&AR violation exist?** YES ____ NO X

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

**Does an MCL violation exist?** YES ____ NO X

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 9-3-03

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: AUGUST 2003 |
|---|---|---|---|

LOCATION: **WELL NO. 4**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 129 | per 24hrs | mg/l | Hydroxide | 1594231 |
| 1 | 306 | 123+27 | 6 | 0.25 | 6.2 | 1594537 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 1,471 | 120 | 30 | 0.39 | 6.2 | 1596008 |
| 5 | 92 | 118 | 2 | 0.3 | 6.1 | 1596100 |
| 6 | 240 | 114+36 | 4 | 0.34 | 6.1 | 1596340 |
| 7 | 632 | 144 | 6 | 0.24 | 6.2 | 1596972 |
| 8 | 497 | 135 | 9 | 1 | 6.2 | 1597469 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 1,651 | 108 | 27 | 0 | 6.1 | 1599120 |
| 12 | 628 | 96 | 12 | 0.06 | 6 | 1599748 |
| 13 | 463 | 90 | 6 | 0 | 6.1 | 1600211 |
| 14 | 629 | 81 | 9 | 0.01 | 6.1 | 1600840 |
| 15 | 196 | 78+72 | 3 | 0.03 | 5.9 | 1601036 |
| 16 | 0 | | | | | |
| 17 | 0 | | | | | |
| 18 | 1,310 | 123 | 27 | 0.03 | 5.9 | 1602346 |
| 19 | 427 | 114 | 9 | 0.03 | 5.9 | 1602773 |
| 20 | 431 | 108+42 | 6 | 0.05 | 5.9 | 1603204 |
| 21 | 473 | 141 | 9 | 0.27 | 6.1 | 1603677 |
| 22 | 549 | 135 | 6 | 0.05 | 6 | 1604226 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 1,596 | 108 | 27 | 0.04 | 6 | 1605822 |
| 26 | 578 | 99+51 | 9 | 0.12 | 6 | 1606400 |
| 27 | 526 | 138 | 12 | 0.63 | 6 | 1606926 |
| 28 | 363 | 129 | 9 | 0.12 | 6 | 1607289 |
| 29 | 521 | 123 | 6 | 0.51 | 6.1 | 1607810 |
| 30 | 0 | | | | | |
| 31 | 1,673 | 96 | 27 | 0.42 | 6 | 1609483 |
| TOT | 15,252 | | 261 | | | |
| AVG. | 492.00 | | 8.42 | No. Days: | 31 | |

**Population Served 3,500**

**Number of routine samples** 4

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

**Number of actual routine samples** 7

**Does a M&AR violation exist?** YES ____ NO X

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

**Does an MCL violation exist?** YES ____ NO X

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 9-3-03

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: AUGUST 2003 |
|---|---|---|---|

LOCATION: **WELL NO. 6**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 129 | per 24hrs | mg/l | Hydroxide | 397421 |
| 1 | 0 | 129+21 | 0 | 6.2 | 0.25 | 397421 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 504 | 132 | 18 | 6.2 | 0.39 | 397925 |
| 5 | 0 | 132 | 0 | 0.3 | 6.1 | 397925 |
| 6 | 0 | 132 | 0 | 0.34 | 6.1 | 397925 |
| 7 | 181 | 126 | 6 | 0.24 | 6.2 | 398106 |
| 8 | 36 | 126 | 0 | 1 | 6.2 | 398142 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 558 | 114 | 12 | 0 | 6.1 | 398700 |
| 12 | 250 | 105 | 9 | 0.06 | 6 | 398950 |
| 13 | 113 | 105 | 0 | 0 | 6.1 | 399063 |
| 14 | 277 | 99 | 6 | 0.01 | 6.1 | 399340 |
| 15 | 6 | 96 | 3 | 0.03 | 5.9 | 399346 |
| 16 | 0 | | | | | |
| 17 | 0 | | | | | |
| 18 | 37 | 96 | 0 | 0.03 | 5.9 | 399383 |
| 19 | 57 | 96 | 0 | 0.03 | 5.9 | 399440 |
| 20 | 96 | 96 | 0 | 0.05 | 5.9 | 399536 |
| 21 | 78 | 93 | 3 | 0.27 | 6.1 | 399614 |
| 22 | 161 | 90 | 3 | 0.05 | 6 | 399775 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 351 | 78 | 12 | 0.04 | 6 | 400126 |
| 26 | 215 | 72 | 6 | 0.12 | 6 | 400341 |
| 27 | 77 | 72 | 0 | 0.15 | 6 | 400418 |
| 28 | 87 | 69 | 3 | 0.12 | 6 | 400505 |
| 29 | 203 | 66+84 | 3 | 0.51 | 6.1 | 400708 |
| 30 | 0 | | | | | |
| 31 | 627 | 129 | 21 | 0.42 | 6 | 401335 |
| TOT | 3,914 | | 105 | | | |
| AVG. | 126.26 | | 3.39 | No. Days: | 31 | |

**Population Served 3,500**

**Number of routine samples** 4

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

**Number of actual routine samples** 7

**Does a M&AR violation exist?** YES ____ NO X

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

**Does an MCL violation exist?** YES ____ NO X

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 9-3-03

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: AUGUST 2003 |
|---|---|---|---|

LOCATION: **WELL NO. 7**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 111 | per 24hrs | mg/l | Hydroxide | 1188226 |
| 1 | 1,153 | 90+60 | 21 | 0.25 | 6.2 | 1189379 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 3,431 | 81 | 69 | 0.39 | 6.2 | 1192810 |
| 5 | 959 | 69 | 12 | 0.3 | 6.1 | 1193769 |
| 6 | 897 | 50+100 | 19 | 0.34 | 6.1 | 1194666 |
| 7 | 1,256 | 132 | 28 | 0.24 | 6.2 | 1195922 |
| 8 | 1,180 | 114 | 18 | 1 | 6.2 | 1197102 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 3,521 | 93+57 | 57 | 0 | 6.1 | 1200623 |
| 12 | 1,077 | 129 | 21 | 0.06 | 6 | 1201700 |
| 13 | 1,139 | 111 | 18 | 0 | 6.1 | 1202839 |
| 14 | 1,228 | 93 | 28 | 0.01 | 6.1 | 1204067 |
| 15 | 680 | 78+72 | 15 | 0.03 | 5.9 | 1204747 |
| 16 | 0 | | | | | |
| 17 | 0 | | | | | |
| 18 | 3,293 | 90 | 60 | 0.03 | 5.9 | 1208040 |
| 19 | 1,076 | 69 | 21 | 0.03 | 5.9 | 1209116 |
| 20 | 1,056 | 51+99 | 18 | 0.05 | 5.9 | 1210172 |
| 21 | 1,214 | 129 | 21 | 0.27 | 6.1 | 1211386 |
| 22 | 1,217 | 108 | 21 | 0.05 | 6 | 1212603 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 3,285 | 51 | 57 | 0.04 | 6 | 1215888 |
| 26 | 1,185 | 24+126 | 27 | 0.12 | 6 | 1217073 |
| 27 | 1,142 | 126 | 24 | 0.15 | 6 | 1218215 |
| 28 | 1,056 | 106 | 18 | 0.12 | 6 | 1219271 |
| 29 | 1,225 | 90+60 | 16 | 0.51 | 6.1 | 1220496 |
| 30 | 0 | | | | | |
| 31 | 3,459 | 84 | 66 | 0.42 | 6 | 1223955 |
| TOT | 35,729 | | 655 | | | |
| AVG. | 1152.55 | | 21.13 | No. Days: | 31 | |

**Population Served 3,500**

**Number of routine samples** 4

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

**Number of actual routine samples** 7

**Does a M&AR violation exist?** YES ____ NO X

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

**Does an MCL violation exist?** YES ____ NO X

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 9-3-03

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: AUGUST 2003 |
|---|---|---|---|

LOCATION: **WELL NO. 10**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 38 | per 24hrs | mg/l | Hydroxide | 765244 |
| 1 | 0 | 38 | 0 | NR | NR | 765244 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 0 | 38 | 0 | NR | NR | 765244 |
| 5 | 0 | 38 | 0 | NR | NR | 765244 |
| 6 | 0 | 38 | 0 | NR | NR | 765244 |
| 7 | 77 | 38 | 0 | NR | NR | 765321 |
| 8 | 0 | 38 | 0 | NR | NR | 765321 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 0 | 38 | 0 | NR | NR | 765321 |
| 12 | 0 | 38 | 0 | NR | NR | 765321 |
| 13 | 0 | 38 | 0 | NR | NR | 765321 |
| 14 | 0 | 38 | 0 | NR | NR | 765321 |
| 15 | 0 | 38 | 0 | NR | NR | 765321 |
| 16 | 0 | | | | | |
| 17 | 0 | | | | | |
| 18 | 1 | 38 | 0 | NR | NR | 765322 |
| 19 | 0 | 38 | 0 | NR | NR | 765322 |
| 20 | 0 | 38 | 0 | NR | NR | 765322 |
| 21 | 0 | 38 | 0 | NR | NR | 765322 |
| 22 | 157 | 38 | 0 | NR | NR | 765479 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 0 | 38 | 0 | NR | NR | 765479 |
| 26 | 0 | 38 | 0 | NR | NR | 765479 |
| 27 | 0 | 38 | 0 | NR | NR | 765479 |
| 28 | 0 | 38 | 0 | NR | NR | 765479 |
| 29 | 0 | 38 | 0 | NR | NR | 765479 |
| 30 | 0 | | | | | |
| 31 | 0 | 38 | 0 | NR | NR | 765479 |
| TOT | 235 | | 0 | | | |
| AVG. | 7.58 | | 0.00 | No. Days: | 31 | |

**Population Served** 3,500

**Number of routine samples** 4

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

**Number of actual routine samples** 7

**Does a M&AR violation exist?** YES ____ NO X

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

**Does an MCL violation exist?** YES ____ NO X

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

Reported by: [signature]

Date: 9-3-03

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: AUGUST 2003 |
|---|---|---|---|

LOCATION: **WELL NO. 11**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 123 | per 24hrs | mg/l | Hydroxide | 505603 |
| 1 | 0 | 123 | 0 | 1.1 | 7.6 | 505603 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 446 | 120 | 3 | 1 | 7.1 | 506049 |
| 5 | 808 | 108 | 12 | 0.82 | 6.8 | 506857 |
| 6 | 624 | 108 | 0 | NR | 6.8 | 507481 |
| 7 | 130 | 105 | 3 | 0.43 | 7 | 507611 |
| 8 | 4 | 105 | 0 | NR | NR | 507615 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 0 | 105 | 0 | NR | NR | 507615 |
| 12 | 0 | 105 | 0 | NR | NR | 507615 |
| 13 | 0 | 105 | 0 | NR | NR | 507615 |
| 14 | 0 | 105 | 0 | 0.36 | 6.9 | 507615 |
| 15 | 8 | 93 | 12 | 0.15 | 6.6 | 507623 |
| 16 | 0 | | | | | |
| 17 | 0 | | | | | |
| 18 | 0 | 85 | 8 | NR | NR | 507623 |
| 19 | 0 | 84 | 1 | 0.03 | 6.2 | 507623 |
| 20 | 0 | 84+24 | 0 | 0.48 | 6.1 | 507623 |
| 21 | 0 | 117 | 1 | 0.63 | 6.4 | 507623 |
| 22 | 0 | 108 | 9 | 0.52 | 6 | 507623 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 0 | 108 | 0 | NR | NR | 507623 |
| 26 | 0 | 108 | 0 | 0.98 | 6.5 | 507623 |
| 27 | 0 | 108 | 0 | NR | NR | 507623 |
| 28 | 94 | 108 | 0 | 1.1 | 7.2 | 507717 |
| 29 | 0 | 108 | 0 | NR | NR | 507717 |
| 30 | 0 | | | | | |
| 31 | 0 | 108 | 0 | 1.3 | 7.2 | 507717 |
| TOT | 2,114 | | 49 | | | |
| AVG. | 68.19 | | 1.58 | 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.

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

Reported by: [signature]

Date: 9-3-03

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: AUGUST 2003 |
|---|---|---|---|

LOCATION: **WELL NO. 12**

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

Source: Ground Water

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

| | CHLORINATION | | | | pH | |
|---|---|---|---|---|---|---|
| | Treated | Liquid Sodium Hypochlorite | | Free Cl2 | __ Lime | Totalizer |
| Day of | Water | Gallons | Cl2 use | Residual | __ Sodium | Daily Totalizer |
| month | K Gals | 141 | per 24hrs | mg/l | Hydroxide | 646187 |
| 1 | 0 | 141 | 0 | 0.79 | 7 | 646187 |
| 2 | 0 | | | | | |
| 3 | 0 | | | | | |
| 4 | 0 | 138 | 3 | NR | NR | 646187 |
| 5 | 0 | 138 | 0 | 1 | 7.2 | 646187 |
| 6 | 2 | 138 | 0 | 0.75 | 5.9 | 646189 |
| 7 | 59 | 138 | 0 | 1 | 7.4 | 646248 |
| 8 | 130 | 138 | 0 | NR | NR | 646378 |
| 9 | 0 | | | | | |
| 10 | 0 | | | | | |
| 11 | 0 | 138 | 0 | NR | NR | 646378 |
| 12 | 3 | 135 | 3 | NR | NR | 646381 |
| 13 | 0 | 135 | 0 | 0.4 | 6.6 | 646381 |
| 14 | 2 | 135 | 0 | 0.34 | 6.6 | 646383 |
| 15 | 610 | 120 | 15 | 0.18 | 5.7 | 646993 |
| 16 | 0 | | | | | |
| 17 | 0 | | | | | |
| 18 | 0 | 117 | 3 | NR | NR | 646993 |
| 19 | 0 | 117 | 0 | 0.03 | 6.1 | 646993 |
| 20 | 67 | 117 | 0 | 0.26 | 6.2 | 647060 |
| 21 | 1 | 117 | 0 | 0.57 | 7.2 | 647061 |
| 22 | 17 | 117 | 0 | 0.27 | 6.4 | 647078 |
| 23 | 0 | | | | | |
| 24 | 0 | | | | | |
| 25 | 1 | 114 | 3 | NR | NR | 647079 |
| 26 | 0 | 114 | 0 | 0.99 | 7.1 | 647079 |
| 27 | 5 | 114 | 0 | 0.07 | 7.1 | 647084 |
| 28 | 117 | 114 | 0 | 0.99 | 6.9 | 647201 |
| 29 | 0 | 114 | 0 | NR | NR | 647201 |
| 30 | 0 | | | | | |
| 31 | 9 | 114 | 0 | 1.2 | 7.3 | 647210 |
| TOT | 1,023 | | 27 | | | |
| AVG. | 33.00 | | 0.87 | No. Days: | 31 | |

**Population Served 3,500**

**Number of routine samples** 4

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

**Number of actual routine samples** 7

**Does a M&AR violation exist?** YES ____ NO X

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

**Does an MCL violation exist?** YES ____ NO X

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 9-3-03

Title: **Water Systems Supervisor**

Certification No. **NY0031941**

9/1/2003
Pump Data

MONTHLY GALLONAGE REPORT
AUGUST 2003.xls

| Date | Well 4 | Well 6 | Well 7 | Well10 | Well11 | Well12 | Daily Total |
|---|---|---|---|---|---|---|---|
| 1 | 306 | 0 | 1,153 | 0 | 0 | 0 | 1,459 |
| 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4 | 1,471 | 504 | 3,431 | 0 | 446 | 0 | 5,852 |
| 5 | 92 | 0 | 959 | 0 | 808 | 0 | 1,859 |
| 6 | 240 | 0 | 897 | 0 | 624 | 2 | 1,763 |
| 7 | 632 | 181 | 1,256 | 77 | 130 | 59 | 2,335 |
| 8 | 497 | 36 | 1,180 | 0 | 4 | 130 | 1,847 |
| 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11 | 1,651 | 558 | 3,521 | 0 | 0 | 0 | 5,730 |
| 12 | 628 | 250 | 1,077 | 0 | 0 | 3 | 1,958 |
| 13 | 463 | 113 | 1,139 | 0 | 0 | 0 | 1,715 |
| 14 | 629 | 277 | 1,228 | 0 | 0 | 2 | 2,136 |
| 15 | 196 | 6 | 680 | 0 | 8 | 610 | 1,500 |
| 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 18 | 1,310 | 37 | 3,293 | 1 | 0 | 0 | 4,641 |
| 19 | 427 | 57 | 1,076 | 0 | 0 | 0 | 1,560 |
| 20 | 431 | 96 | 1,056 | 0 | 0 | 67 | 1,650 |
| 21 | 473 | 78 | 1,214 | 0 | 0 | 1 | 1,766 |
| 22 | 549 | 161 | 1,217 | 157 | 0 | 17 | 2,101 |
| 23 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 25 | 1,596 | 351 | 3,285 | 0 | 0 | 1 | 5,233 |
| 26 | 578 | 215 | 1,185 | 0 | 0 | 0 | 1,978 |
| 27 | 526 | 77 | 1,142 | 0 | 0 | 5 | 1,750 |
| 28 | 363 | 87 | 1,056 | 0 | 94 | 117 | 1,717 |
| 29 | 521 | 203 | 1,225 | 0 | 0 | 0 | 1,949 |
| 30 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31 | 1,673 | 627 | 3,459 | 0 | 0 | 9 | 5,768 |
| Total | 15,252 | 3,914 | 35,729 | 235 | 2,114 | 1,023 | 58,267 |

| | Totalizer This Month | Totalizer Last Month | Total(x1,000) Gallons |
|---|---|---|---|
| Well 4 | 1,609,483 | 1,594,231 | 15,252 |
| Well 6 | 401,335 | 397,421 | 3,914 |
| Well 7 | 1,223,955 | 1,188,226 | 35,729 |
| Well 10 | 765,479 | 765,244 | 235 |
| Well 11 | 507,717 | 505,603 | 2,114 |
| Well 12 | 647,210 | 646,187 | 1,023 |
| AGS Water Supply Meter | 470,828 | 469,936 | 892.00 |
| Medical Reactor - Well 105 | | | 0.00 |
| Biology Building - Well 9 | 6,788,400 | 6,787,370 | 1.03 |

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0308264-001**

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

Federal ID 5111891
Collected 8/6/2003 9:00:00 AM
Received 8/6/2003 3:12:00 PM
Collected By CLIENT
Copy : **Original**
CC ; SCHD

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

**Client ID. : 16843-001**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 0.9 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A16

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0308264-002**

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

Federal ID 5111891
Collected 8/6/2003 9:35:00 AM
Received 8/6/2003 3:12:00 PM
Collected By CLIENT
Copy : **Original**
CC ; SCHD

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

**Client ID. : 16843-002**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 0.9 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A17

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-003

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

Federal ID 5111891
Client ID. : 16843-003
Collected 8/6/2003 9:45:00 AM
Point No 045-12
Received 8/6/2003 3:12:00 PM
Location: B-1005 RHIC
Collected By CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 1.0 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A18

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0308264-004**

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

Federal ID 5111891
Client ID. : 16843-004
Collected 8/6/2003 9:15:00 AM
Point No 109-19
Received 8/6/2003 3:12:00 PM
Location: B-363 Apt.Laundry
Collected By CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 1.0 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A19

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0308264-005**

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

Federal ID 5111891
Client ID. : 16843-005
Collected 8/6/2003 9:26:00 AM
Point No 075-602
Received 8/6/2003 3:12:00 PM
Location: B-725 NSLS
Collected By CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 1.1 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A20

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0308264-006**

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

Federal ID 5111891
Client ID. : 16843-006
Collected 8/6/2003 10:10:00 AM Point No 084-69
Received 8/6/2003 3:12:00 PM Location: B-490 Block 1 ACF
Collected By CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 0.9 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A21

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-007

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

Federal ID 5111891
Client ID. : 16843-007
Collected 8/6/2003 10:12:00 AM
Point No 084-068
Received 8/6/2003 3:12:00 PM
Location: Bldg. 490 Block 4 - MRC
Collected By CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 1.1 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A22

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-008

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

Federal ID 5111891
Collected 8/6/2003 10:13:00 AM
Received 8/6/2003 3:12:00 PM
Collected By CLIENT
Copy : Original
CC ; SCHD

Point No 1
Location: Duplicate of Bldg. 490 Block 4 - MRC

Client ID. : 16843-008

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Total Coliform | Negative | | Negative | M9223 | 8/7/2003 10:30:00 AM |
| E_Coliform | Absent | | Absent | M9223 | 8/7/2003 10:30:00 AM |
| Total Residual Chlorine | 1.1 | mg/L | | M4500-Cl G | 8/6/2003 |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A23

# ATTACHMENT II

**Brookhaven National Laboratory**
**Potable Water Supply**

**August 2003 Biweekly, Third Quarter, and Semi-Annual Water Quality Monitoring**

**Data for the BNL Potable Water Wells and the BNL Distribution System and**

**Annual Asbestos Analysis for the BNL Potable Water Distribution System**

**Attachment II**
**Table 1 - Summary of Water Quality Analyses**
**for the BNL Potable Water System**
**August 2003**

| Sample Location | Sample Date | pH (SU) | Temperature (Degrees F) | Conductivity (µmhos) | Alkalinity (mg/L) | Calcium (mg/L) |
|---|---|---|---|---|---|---|
| WTP | 8/5/03 | 7.0 | 63 | 176 | NR | NR |
| WTP | 8/7/03 | 6.2 | 59 | 197 | NR | NR |
| WTP | 8/12/03 | 7.4 | 57 | 143 | NR | NR |
| WTP | 8/14/03 | 7.6 | 59 | 142 | NR | NR |
| WTP | 8/19/03 | 7.2 | 55 | 208 | NR | NR |
| WTP | 8/21/03 | 7.3 | 56 | 203 | NR | NR |
| WTP | 8/26/03 | 7.2 | 57 | 189 | NR | NR |
| WTP | 8/28/03 | 7.1 | 57 | 212 | NR | NR |
| Well 11 | 8/5/03 | 6.8 | 55 | 243 | NR | NR |
| Well 11 | 8/7/03 | 7.0 | 56 | 185 | NR | NR |
| Well 11 | 8/14/03 | 6.9 | 55 | 157 | NR | NR |
| Well 11 | 8/19/03 | 6.2 | 56 | 162 | NR | NR |
| Well 11 | 8/21/03 | 6.4 | 56 | 149 | NR | NR |
| Well 11 | 8/26/03 | 6.5 | 56 | 102 | NR | NR |
| Well 11 | 8/28/03 | 7.2 | 55 | 173 | NR | NR |
| Well 12 | 8/5/03 | 7.2 | 56 | 174 | NR | NR |
| Well 12 | 8/7/03 | 7.4 | 55 | 204 | NR | NR |
| Well 12 | 8/14/03 | 6.6 | 56 | 156 | NR | NR |
| Well 12 | 8/19/03 | 6.1 | 56 | 183 | NR | NR |
| Well 12 | 8/21/03 | 7.2 | 56 | 156 | NR | NR |
| Well 12 | 8/26/03 | 7.1 | 56 | 74 | NR | NR |
| Well 12 | 8/28/03 | 6.9 | 56 | 201 | NR | NR |
| Bldg. 49 | 7/10/03 | 7.6 | 57 | 145 | 20.1 | 7.88 |
| Bldg. 640 | 7/10/03 | 6.8 | 61 | 149 | 24.8 | 8.09 |
| Bldg. 363 | 7/10/03 | 7.8 | 63 | 224 | 24.2 | 9.97 |
| Well 4 | 8/6/03 | 6.1 | 55 | 131 | 11.9 | 4.83 |
| Well 6 | 8/6/03 | 6.1 | 55 | 135 | 9.2 | 4.32 |
| Well 7 | 8/6/03 | 6.1 | 50 | 178 | 11.2 | 4.66 |
| Well 10 | 8/6/03 | 7.0 | 57 | 208 | 13.9 | 6.45 |
| Well 11 | 8/6/03 | 6.0 | 55 | 190 | 20.5 | 6.42 |
| Well 12 | 8/6/03 | 6.1 | 55 | 151 | 22.8 | 7.03 |

**NR** - Analysis Not Required or Not Reported
**WTP** – Water Treatment Plant
**Note:** Field parameters are only conducted for facilities that are in operation on the day of measurement.

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0308264-009**

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

Federal ID 5111891
Client ID. : 16843-009
Collected 8/6/2003 11:25:00 AM Point No 8
Received 8/6/2003 3:12:00 PM Location: Well #4 Raw
Collected By CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 131 | µmhos/cm | | E120.1 | 8/6/2003 |
| PH (FIELD) | 6.1 | pH units | | E150.1 | 8/6/2003 |
| Temperature | 13 | °C | | E170.1 | 8/6/2003 |
| Alkalinity, Total (As CaCO3) | 11.9 | mg/L | | M2320 B | 8/11/2003 11:14:00 AM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A25

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0308264-009**

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

Federal ID 5111891
Collected 8/6/2003 11:25:00 AM Point No 8
Received 8/6/2003 3:12:00 PM Location: Well #4 Raw
Collected By CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16843-009**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Calcium | 4830 | µg/L | | E200.7 | 8/16/2003 2:09:00 PM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A24

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0308264-010**

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

Federal ID 5111891
Client ID. : 16843-010
Collected 8/6/2003 11:40:00 AM Point No 9
Received 8/6/2003 3:12:00 PM Location: Well #6 Raw
Collected By CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 135 | µmhos/cm | | E120.1 | 8/6/2003 |
| PH (FIELD) | 6.1 | pH units | | E150.1 | 8/6/2003 |
| Temperature | 13 | °C | | E170.1 | 8/6/2003 |
| Alkalinity, Total (As CaCO3) | 9.2 | mg/L | | M2320 B | 8/11/2003 11:46:00 AM |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A27

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0308264-010**

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

Federal ID 5111891
Collected 8/6/2003 11:40:00 AM Point No 9
Received 8/6/2003 3:12:00 PM Location: Well #6 Raw
Collected By CLIENT
**Copy : Original**
**CC** : SCHD

**Client ID. : 16843-010**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Calcium | 4320 | µg/L | | E200.7 | 8/16/2003 2:17:00 PM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A26

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-011

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

Federal ID 5111891
Client ID. : 16843-011
Collected 8/6/2003 11:50:00 AM Point No 10
Received 8/6/2003 3:12:00 PM Location: Well #7 Raw
Collected By CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 178 | µmhos/cm | | E120.1 | 8/6/2003 |
| PH (FIELD) | 6.1 | pH units | | E150.1 | 8/6/2003 |
| Temperature | 10 | °C | | E170.1 | 8/6/2003 |
| Alkalinity, Total (As CaCO3) | 11.2 | mg/L | | M2320 B | 8/11/2003 11:51:00 AM |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A29

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0308264-011**

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

Federal ID 5111891
Collected 8/6/2003 11:50:00 AM Point No 10
Received 8/6/2003 3:12:00 PM Location: Well #7 Raw
Collected By CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16843-011**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Calcium | 4660 | µg/L | | E200.7 | 8/16/2003 2:25:00 PM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A28

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-012

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

Federal ID 5111891
Client ID. : 16843-012
Collected 8/6/2003 10:50:00 AM Point No 11
Received 8/6/2003 3:12:00 PM Location: Well #10 Raw
Collected By CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 208 | µmhos/cm | | E120.1 | 8/6/2003 |
| PH (FIELD) | 7.0 | pH units | | E150.1 | 8/6/2003 |
| Temperature | 14 | °C | | E170.1 | 8/6/2003 |
| Alkalinity, Total (As CaCO3) | 13.9 | mg/L | | M2320 B | 8/11/2003 11:54:00 AM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A31

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0308264-012**

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

Federal ID 5111891
Collected 8/6/2003 10:50:00 AM Point No 11
Received 8/6/2003 3:12:00 PM Location: Well #10 Raw
Collected By CLIENT

**Client ID. : 16843-012**

**Copy : Original**
**CC** ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Calcium | 6450 | µg/L | | E200.7 | 8/16/2003 2:33:00 PM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A30

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-013

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

Federal ID 5111891
Client ID. : 16843-013
Collected 8/6/2003 11:10:00 AM Point No 12
Received 8/6/2003 3:12:00 PM Location: Well #11 Raw
Collected By CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 190 | µmhos/cm | | E120.1 | 8/6/2003 |
| PH (FIELD) | 6.0 | pH units | | E150.1 | 8/6/2003 |
| Temperature | 13 | °C | | E170.1 | 8/6/2003 |
| Alkalinity, Total (As CaCO3) | 20.5 | mg/L | | M2320 B | 8/11/2003 11:58:00 AM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A33

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0308264-013**

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

Federal ID 5111891
**Client ID. : 16843-013**
Collected 8/6/2003 11:10:00 AM Point No 12
Received 8/6/2003 3:12:00 PM Location: Well #11 Raw
Collected By CLIENT
**Copy : Original**
**CC** : SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Calcium | 6420 | µg/L | | E200.7 | 8/16/2003 2:58:00 PM |

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

Date Reported : 9/3/2003

Joann M. Slavin
Laboratory Manager



BNLM138 A32

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0308264-014

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

Federal ID 5111891
Client ID. : 16843-014
Collected 8/6/2003 11:15:00 AM Point No 13
Received 8/6/2003 3:12:00 PM Location: Well #12 Raw
Collected By CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 151 | µmhos/cm | | E120.1 | 8/6/2003 |
| PH (FIELD) | 6.1 | pH units | | E150.1 | 8/6/2003 |
| Temperature | 13 | °C | | E170.1 | 8/6/2003 |
| Alkalinity, Total (As CaCO3) | 22.8 | mg/L | | M2320 B | 8/11/2003 12:02:00 PM |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A35

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0308264-014**

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

Federal ID 5111891
**Client ID. : 16843-014**
Collected 8/6/2003 11:15:00 AM Point No 13
Received 8/6/2003 3:12:00 PM Location: Well #12 Raw
Collected By CLIENT
**Copy : Original**
**CC** ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Calcium | 7030 | µg/L | | E200.7 | 8/16/2003 3:07:00 PM |

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

Joann M. Slavin
Laboratory Manager

Date Reported : 9/3/2003



BNLM138 A34

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307363-001A**

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

Federal ID 5111891
Collected : 7/10/03 12:12:00 PM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16841-001**
Point No : 094-273
Location : B-49 Water Tower

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 145 | µmhos/cm | | E120.1 | 7/10/03 |
| PH (FIELD) | 7.6 | pH units | | E150.1 | 7/10/03 12:01:00 AM |
| Temperature | 14 | °C | | E170.1 | 7/10/03 |
| Calcium | 7880 | µg/L | | E200.7 | 7/14/03 1:55:00 PM |
| Alkalinity, Total (As CaCO3) | 20.1 | mg/L | | M2320 B | 7/15/03 9:50:00 AM |
| Turbidity | < 1.0 | NTU | 5 | E180.1 | 7/12/03 10:32:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307363-002A**

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

Federal ID 5111891
Collected : 7/10/03 12:20:00 PM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16841-002**
Point No : 076-408
Location : B-640 Water Tower

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 149 | µmhos/cm | | E120.1 | 7/10/03 |
| PH (FIELD) | 6.8 | pH units | | E150.1 | 7/10/03 12:02:00 AM |
| Temperature | 16 | °C | | E170.1 | 7/10/03 |
| Calcium | 8090 | µg/L | | E200.7 | 7/14/03 2:02:00 PM |
| Alkalinity, Total (As CaCO3) | 24.8 | mg/L | | M2320 B | 7/15/03 9:55:00 AM |
| Turbidity | < 1.0 | NTU | 5 | E180.1 | 7/12/03 10:33:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307363-003A**

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

Federal ID 5111891
Collected : 7/10/03 8:35:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

**Client ID. : 16841-004**
Point No : 109-19
Location : B-363 Apt.Laundry

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Specific Conductance | 224 | µmhos/cm | | E120.1 | 7/10/03 |
| PH (FIELD) | 7.8 | pH units | | E150.1 | 7/10/03 12:03:00 AM |
| Temperature | 17 | °C | | E170.1 | 7/10/03 |
| Calcium | 9970 | µg/L | | E200.7 | 7/14/03 2:10:00 PM |
| Asbestos (See Attached) | N.D. | MFL | | E198.2 | 7/16/03 |
| Alkalinity, Total (As CaCO3) | 24.2 | mg/L | | M2320 B | 7/15/03 10:00:00 AM |
| Turbidity | < 1.0 | NTU | 5 | E180.1 | 7/12/03 10:34:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

BNLM 137


**EMSL Analytical, Inc.**

208 Stone Hinge Lane, Carle Place, NY 11514

Phone: (516) 997-7251 Fax: (516) 997-7528 Email: carleplacelab@emsl.com


EMSL

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

Fax: (631) 694-4122 Phone: (631) 756-8000

Project: **BNLM 137**

Customer ID: H2ML50
Customer PO: 7686
Received: 07/11/03 10:46 AM
EMSL Order: 060304682
EMSL Project ID:

Analysis Date: 7/16/2003

## Determination of Asbestos Structures over 10um in Length in Drinking Water Performed by the EPA 100.2 Method

| SAMPLE ID | #ASBESTOS FIBERS | # NON-ASBESTOS FIBERS | TYPE(S) OF ASBESTOS | ANALYTICAL SENSITIVITY (MFL) | CONFIDENCE LIMITS | CONCENTRATION OF ASBESTOS FIBERS (MFL) | COMMENTS |
|---|---|---|---|---|---|---|---|
| 03073963-003A | 0 | 0 | | 0.18 | 0.00-0.68 | <0.68 | |
| *060304682-0001* | | | | | | | |

Analyst(s)

*Fahrudin Lalic (1)*

Michelle McGowan
or other approved signatory

Sample collection and containers provided by the client, acceptable bottle blank level is defined as <=0.01MFL>10um. ND=None Detected. Fiber counting data will be reported as follows: No Fibers detected: The value will be reported as less than 389% of the concentration equivalent to one fiber. 1 to 4 fibers: The result will be reported as less than the corresponding upper 95% confidence limit (Poisson), 5 to 30 fibers: Mean and 95% confidence intervals will be reported on the basis of the Poisson assumption. When more than 30 fibers are counted, both the Gaussian 95% confidence interval and the Poisson 95% confidence interval will be calculated. The large of these two intervals will be selected for data reporting. When the Gaussian 95% confidence interval is selected for data reporting, the Poisson will also be noted. This report may not be reproduced, except in full, without written permission by EMSL Analytical, Inc.



TEM100-2-1

**THIS IS THE LAST PAGE OF THE REPORT.**

# ATTACHMENT III

## Brookhaven National Laboratory
## Potable Water Supply

## Summary of 2003 Annual First Draw Lead and Copper Analyses

## and Supporting Documentation

## SUMMARY OF 2003 ANNUAL LEAD AND COPPER SAMPLING FOR THE BROOKHAVEN NATIONAL LABORATORY POTABLE WATER SYSTEM

## ANALYTICAL DATA FOR COPPER

| SAMPLE NUMBER | SAMPLE DATE | LOCATION DESCRIPTION | ANALYTICAL RESULT (mg/L) | SERVICE LINE MATERIAL | TIER # |
|---|---|---|---|---|---|
| 1 | 7/10/03 | Building 170 - Bathroom | < 0.02 | Copper | 3 |
| 2 | 7/10/03 | Apartment 26A - Kitchen | < 0.02 | Galvanized Steel | 3 |
| 3 | 7/10/03 | Apartment 24D - Kitchen | < 0.02 | Galvanized Steel | 3 |
| 4 | 7/10/03 | Apartment 28B - Kitchen | < 0.02 | Galvanized Steel | 3 |
| 5 | 7/10/03 | Apartment 6A - Kitchen | < 0.02 | Galvanized Steel | 3 |
| 6 | 7/10/03 | Apartment 5B - Kitchen | < 0.02 | Galvanized Steel | 3 |
| 7 | 7/10/03 | Building 51 - Bathroom | < 0.02 | Copper | 3 |
| 8 | 7/10/03 | Apartment 36A - Kitchen | 0.03 | Galvanized Steel | 3 |
| 9 | 7/10/03 | Apartment 4C - Kitchen | 0.03 | Galvanized Steel | 3 |
| 10 | 7/10/03 | Apartment 40G* - Kitchen | 0.03 | Galvanized Steel | 3 |
| 11 | 7/10/03 | Building 153 - Bathroom | 0.04 | Galvanized Steel | 3 |
| 12 | 7/10/03 | Apartment 13D - Kitchen | 0.04 | Galvanized Steel | 3 |
| 13 | 7/10/03 | Apartment 34E - Kitchen | 0.05 | Galvanized Steel | 3 |
| 14 | 7/10/03 | Apartment 1A - Kitchen | 0.08 | Galvanized Steel | 3 |
| 15 | 7/10/03 | Building 371 - Bathroom | 0.11 | Copper | 1 |
| 16 | 7/10/03 | Building 460 - Kitchen | 0.12 | Galvanized Steel | 3 |
| 17 | 7/10/03 | Building 535 - Bathroom | **0.19** | Galvanized Steel | 3 |
| ***18*** | 7/10/03 | ***Building 911 - Bathroom*** | ***0.25*** | Cast Iron | 3 |
| 19 | 7/10/03 | Apartment 42A - Kitchen | 0.30 | Galvanized Steel | 3 |
| 20 | 7/10/03 | Building 703 - Bathroom | 0.35 | Cast Iron | 3 |

* Apartment 40G replaces Apartment 9D in triennial sampling since the building was torn down.

-The ninetieth percentile sample has been highlighted for clarity. In accordance with the Federal Lead and Copper Rule, the concentration of copper within the ninetieth percentile sample must be less than 1.3 mg/L.

-Plant Engineering Division personnel collected all water samples.

## SUMMARY OF 2003 ANNUAL LEAD AND COPPER SAMPLING FOR THE BROOKHAVEN NATIONAL LABORATORY POTABLE WATER SYSTEM

## ANALYTICAL DATA FOR LEAD

| SAMPLE NUMBER | SAMPLE DATE | LOCATION DESCRIPTION | ANALYTICAL RESULT (mg/L) | SERVICE LINE MATERIAL | TIER # |
|---|---|---|---|---|---|
| 1 | 7/10/03 | Building 51 - Bathroom | < 0.001 | Copper | 3 |
| 2 | 7/10/03 | Apartment 26A - Kitchen | < 0.001 | Galvanized Steel | 3 |
| 3 | 7/10/03 | Apartment 28B - Kitchen | < 0.001 | Galvanized Steel | 3 |
| 4 | 7/10/03 | Building 535 - Bathroom | 0.0010 | Galvanized Steel | 3 |
| 5 | 7/10/03 | Building 703 - Bathroom | 0.0010 | Cast Iron | 3 |
| 6 | 7/10/03 | Apartment 24D - Kitchen | 0.0012 | Galvanized Steel | 3 |
| 7 | 7/10/03 | Building 153 - Bathroom | 0.0012 | Galvanized Steel | 3 |
| 8 | 7/10/03 | Apartment 5B - Kitchen | 0.0014 | Galvanized Steel | 3 |
| 9 | 7/10/03 | Apartment 13D - Kitchen | 0.0019 | Galvanized Steel | 3 |
| 10 | 7/10/03 | Apartment 36A - Kitchen | 0.0020 | Galvanized Steel | 3 |
| 11 | 7/10/03 | Building 170 - Bathroom | 0.0021 | Copper | 3 |
| 12 | 7/10/03 | Building 460 - Kitchen | 0.0028 | Galvanized Steel | 3 |
| 13 | 7/10/03 | Building 911 - Bathroom | 0.0031 | Cast Iron | 3 |
| 14 | 7/10/03 | Apartment 6A - Kitchen | 0.0039 | Galvanized Steel | 3 |
| 15 | 7/10/03 | Apartment 1A - Kitchen | 0.0054 | Galvanized Steel | 3 |
| 16 | 7/10/03 | Apartment 4C - Kitchen | 0.0055 | Galvanized Steel | 3 |
| 17 | 7/10/03 | Apartment 40G* - Kitchen | 0.0060 | Galvanized Steel | 3 |
| ***18*** | 7/10/03 | ***Apartment 34E - Kitchen*** | ***0.0062*** | Galvanized Steel | 3 |
| 19 | 7/10/03 | Building 371 - Bathroom | 0.0063 | Copper | 1 |
| 20 | 7/10/03 | Apartment 42A - Kitchen | 0.0647 | Galvanized Steel | 3 |

* Apartment 40G replaces Apartment 9D in triennial sampling since the building was torn down.

-The ninetieth percentile sample has been highlighted for clarity. In accordance with the Federal Lead and Copper Rule, the concentration of lead within the ninetieth percentile sample must be less than 0.015 mg/L.

-Plant Engineering Division personnel collected all water samples.

# SMALL COMMUNITY WATER SUPPLIES

## SUFFOLK COUNTY DEPARTMENT OF HEALTH SERVICES

## FORM 1



### SAMPLE SITE IDENTIFICATION AND CERTIFICATION

System's Name: Brookhaven National Laboratory

Address: Bldg. 452
P. O. Box 5000
Upton, NY 11973-5000

Telephone number: 344-7136

System ID #: 5111891

Contact Person: Mr. William Chaloupka

| Population: | Required # of Samples |
|---|---|
| ☒ 501 to 3,300 | 20 |
| ☐ 101 to 500 | 10 |
| ☐ ≤ 100 | 5 |

### CERTIFICATION OF SAMPLING SITES

LEAD SOLDER SITES

| | |
|---|---|
| # of single-family structures with copper pipes with lead solder installed after 1982 or lead pipes and/or lead service lines (Tier 1) | 1 |
| # of multi-family structures with copper pipes with lead solder installed after 1982 or lead pipes and/or lead service lines (Tier 1) | |
| # of buildings containing copper pipes with lead solder installed after 1982 or lead pipes and/or lead service lines (Tier 2) | |
| # of sites that contain copper pipes with lead solder installed before 1983 (to be used only if other conditions have been exhausted) (Tier 3) | 19 |
| TOTAL | 20 |

The following sources have been explored to determine the number of structures which have interior lead pipe or copper pipe with lead solder.

_____ Plumbing and/or building codes
_____ Plumbing and/or building permits
_____ Contacts within the building department, municipal clerks office, or state regulatory agencies for historical documentation of the service area development
_____ Water Quality Data

Other Resources Which PWS May Utilities

_____ Interviews with building inspectors
_____ Survey of service area plumbers about when and where lead solder was used from 1982 to present
_____ Survey residents in sections of the service area where lead pipe and/or copper pipe with lead solder is suspected to exist
_____ Interviews with local contractors and developers

Explanation of Tier 2 and Tier 3 sites (attach additional pages if necessary):
Building 371 was built in 1984 - single family - Tier 1. All other sampling sites built before 1983 - Tier 3.

Month: **July** 2003

**BROOKHAVEN NATIONAL LABORATORY**
**MONTHLY POTABLE WATER SAMPLE REQUEST**

| ASBESTOS | | | | | | | Total Required: | 1 |
|---|---|---|---|---|---|---|---|---|
| | Location | Origin | Taken by | | | | | |
| 032 | B-363 Apartment Laundry | Distribution | J.K | 8:35 | | | | |
| | | | | | | | | |
| **PRINCIPAL ORGANIC COMPOUNDS, VINYL CHLORIDE & MTBE** (Method 502.2) | | | | | | | Total Required: | 10 |
| | Location | Origin | Taken by | | | | | |
| 033 | Building 624 - WTP | Treated | J.K | 11:50 | | | | |
| 034 | Well - 4 | Raw Water | | 10:20 | | | | |
| 035 | Well - 6 | Raw Water | | 8:55 | | | | |
| 036 | Well - 7 | Raw Water | | 9:05 | | | | |
| 037 | Well -10 | Raw Water | | OOS | 11:00 ON 7-11 | | | |
| 038 | Well -10 | Treated | | OOS | 11:15 ON 7-11 | | | |
| 039 | Well -11 | Raw Water | | 11:15 | | | | |
| 040 | Well -11 | Treated | | 11:15 | | | | |
| 041 | Well -12 | Raw Water | | 10:50 | | | | |
| 042 | Well -12 | Treated | | 10:50 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| LEAD and COPPER | | | | | | | Total Required: | 20 |
| | | | Flushed | Flushed | | Sample | Sampled | |
| | Location | Origin | Time | By: | | Time | By: R.H.L. | |
| 043 | Bldg - 51 West Bath Rm | Distribution | 8:15 | R.H.L | | 1415 | | |
| 044 | Bldg - 460 Kitchen Sink | Distribution | 8:20 | | | 1420 | | |
| 045 | Bldg - 535 Men's Room | Distribution | 8:25 | | | 1425 | | |
| 046 | Bldg - 703 Men's Room | Distribution | 8:30 | | | 1430 | | |
| 047 | Bldg - 911 Bath Room | Distribution | 8:35 | | | 1440 | | |
| 048 | Bldg-361 Apt 1A Kitchen | Distribution | 9:00 | | | 1530 | J.K. | |
| 049 | Bldg-350 Apt 4C Kitchen | Distribution | 905 | | | 1533 | | |
| 050 | Bldg-359 Apt 5B Kitchen | Distribution | 9:10 | | | 1537 | | |
| 051 | Bldg-351 Apt 6A Kitchen | Distribution | 9:45 | | | 1540 | | |
| 052 | Bldg-324 Apt 9D Bath Rm | Distribution | ——— | | | ——— | | |
| 053 | Bldg-306 Apt 13D Kitchen | Distribution | 10:05 | | | 1545 | | |
| 054 | Bldg-327 Apt 24D Kitchen | Distribution | 10:10 | | | 1549 | | |
| 055 | Bldg-302 Apt 26A Kitchen | Distribution | 10:15 | | | 1552 | | |
| 056 | Bldg-328 Apt 28B Kitchen | Distribution | 10:25 | | | 1556 | | |
| 057 | Bldg-303 Apt 34E Kitchen | Distribution | 10:30 | | | 1600 | | |
| 058 | Bldg-335 Apt 36A Kitchen | Distribution | 10:35 | | | 1604 | | |
| 059 | Bldg-366 Apt 42A Kitchen | Distribution | 10:40 | | | 1708 | | |
| 060 | Brookhaven House Bath | Distribution | 10:45 | | | 1715 | | |
| 061 | Cavendish House S. Bath | Distribution | 10:50 | | | 1720 | | |
| 062 | Compton Hse 1st Fl Bath | Distribution | 10:55 | | | 1730 | | |
| 062A | BLDG APT 40G | DIST. | 8:15 | J.K | | 1425 | J.K. | |

The above samples were delivered to the contractor on 7-10-03, 2003 by J.K.

BNLM137 S32

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-001A**

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

Federal ID 5111891
Collected : 7/10/03 2:15:00 PM
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

**Client ID. : 16845-001**
Point No : 073-21
Location : 51 West Bathroom

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 12:39:39 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 12:39:39 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-002A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-002**
Point No : 084-71
Location : 460 Kitchen Sink

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.12 | mg/l | 1.3 | E200.8 | 7/24/03 1:07:50 PM |
| Lead | 2.81 | ug/l | 15 | E200.8 | 7/24/03 1:07:50 PM |

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

Date Reported : 8/28/03

Joann M. Slavin

Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-003A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-003**
Point No : 075-603
Location : 535 Mens Room

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.19 | mg/l | 1.3 | E200.8 | 7/24/03 1:14:50 PM |
| Lead | 1.02 | ug/l | 15 | E200.8 | 7/24/03 1:14:50 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-004A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

**Client ID. : 16845-004**
Point No : 065-311
Location : 703 Mens Room

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.35 | mg/l | 1.3 | E200.8 | 7/24/03 1:21:51 PM |
| Lead | 1.02 | ug/l | 15 | E200.8 | 7/24/03 1:21:51 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-005A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

Point No : 064-93
Location : 911 Bathroom

**Client ID. : 16845-005**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.25 | mg/l | 1.3 | E200.8 | 7/24/03 1:28:51 PM |
| Lead | 3.10 | ug/l | 15 | E200.8 | 7/24/03 1:28:51 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-006A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-006**
Point No : 110-19
Location : 361 APT 1A Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.08 | mg/l | 1.3 | E200.8 | 7/24/03 1:35:54 PM |
| Lead | 5.37 | ug/l | 15 | E200.8 | 7/24/03 1:35:54 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-007A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-007**
Point No : 110-23
Location : 350 APT 4C Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.03 | mg/l | 1.3 | E200.8 | 7/24/03 2:19:02 PM |
| Lead | 5.50 | ug/l | 15 | E200.8 | 7/24/03 2:19:02 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-008A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

**Client ID. : 16845-008**
Point No : 110-20
Location : 359 APT 5B Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 2:26:05 PM |
| Lead | 1.44 | ug/l | 15 | E200.8 | 7/24/03 2:26:05 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-009A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-009**
Point No : 110-22
Location : 351 APT 6A Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 2:33:07 PM |
| Lead | 3.90 | ug/l | 15 | E200.8 | 7/24/03 2:33:07 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-010A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-010**
Point No : 109-22
Location : 306 APT 13D Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.04 | mg/l | 1.3 | E200.8 | 7/24/03 2:40:11 PM |
| Lead | 1.93 | ug/l | 15 | E200.8 | 7/24/03 2:40:11 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-011A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-011**
Point No : 109-20
Location : 327 APT 24D Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 2:47:13 PM |
| Lead | 1.16 | ug/l | 15 | E200.8 | 7/24/03 2:47:13 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-012A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** : SCHD

**Client ID. : 16845-012**
Point No : 109-21
Location : 302 APT 26A Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 2:54:16 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 2:54:16 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-013A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-013**
Point No : 109-25
Location : 328 APT 28B Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 3:01:16 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 3:01:16 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-014A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-014**
Point No : 109-23
Location : 303 APT 34E Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.05 | mg/l | 1.3 | E200.8 | 7/24/03 3:08:18 PM |
| Lead | 6.19 | ug/l | 15 | E200.8 | 7/24/03 3:08:18 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-015A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC ; SCHD**

**Client ID. : 16845-015**
Point No : 109-24
Location : 335 APT 36A Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.03 | mg/l | 1.3 | E200.8 | 7/24/03 3:15:18 PM |
| Lead | 1.96 | ug/l | 15 | E200.8 | 7/24/03 3:15:18 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-016A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
Copy : **Original**
**CC** ; SCHD

**Client ID. : 16845-016**
Point No : 101-08
Location : 366 APT 42A Kitchen

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.30 | mg/l | 1.3 | E200.8 | 7/24/03 3:22:19 PM |
| * Lead | * 64.7 | ug/l | 15 | E200.8 | 7/24/03 3:22:19 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-017A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-017**
Point No : 083-25
Location : Brookhaven House 371

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.11 | mg/l | 1.3 | E200.8 | 7/24/03 3:43:22 PM |
| Lead | 6.30 | ug/l | 15 | E200.8 | 7/24/03 3:43:22 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307406-018A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-018**
Point No : 094-274
Location : Cavendish House 153

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.04 | mg/l | 1.3 | E200.8 | 7/24/03 3:50:25 PM |
| Lead | 1.21 | ug/l | 15 | E200.8 | 7/24/03 3:50:25 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-019A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-019**
Point No : 093-86
Location : Compton House 170

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | < 0.02 | mg/l | 1.3 | E200.8 | 7/24/03 3:57:27 PM |
| Lead | 2.05 | ug/l | 15 | E200.8 | 7/24/03 3:57:27 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-020A**

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

Federal ID 5111891
Collected : 7/11/03
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16845-020**
Point No : 40G
Location : 40G – Bldg. 3GA- Apt. 4OG

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Copper | 0.03 | mg/l | 1.3 | E200.8 | 7/24/03 4:04:32 PM |
| Lead | 5.95 | ug/l | 15 | E200.8 | 7/24/03 4:04:32 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# ATTACHMENT IV

## Brookhaven National Laboratory
## Potable Water Supply

## 2003 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Potable Water Distribution System

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307368-001A**

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

Federal ID 5111891
Collected : 7/10/03 12:40:00 PM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

**Client ID. : 16841-017**
Point No : 18
Location : B-185 Men'S Room

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/14/03 2:17:00 PM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/14/03 2:17:00 PM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/14/03 2:17:00 PM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/14/03 2:17:00 PM |
| Iron | 50.4 | µg/L | 300 | E200.7 | 7/14/03 2:17:00 PM |
| Manganese | < 10 | µg/L | 300 | E200.7 | 7/14/03 2:17:00 PM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/14/03 2:17:00 PM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/14/03 2:17:00 PM |
| Sodium | 16500 | µg/L | | E200.7 | 7/14/03 2:17:00 PM |
| Zinc | < 20.0 | µg/L | 5000 | E200.7 | 7/14/03 2:17:00 PM |
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 6:52:49 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 6:52:49 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 6:52:49 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 6:52:49 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 6:52:49 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 6:52:49 PM |
| Chloride | 28.7 | mg/L | | E325.2 | 8/2/03 1:58:52 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/15/03 1:12:00 PM |
| Color | < 5 | units | 15 | E110.2 | 7/11/03 7:52:00 AM |
| Specific Conductivity | 144 | µmhos/cm | | M2510 B | 7/11/03 8:16:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/11/03 8:00:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/11/03 8:37:00 AM |
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 3:17:55 PM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/11/03 8:11:56 AM |
| Nitrate as N | 0.26 | mg/L | 10 | E353.2 | 8/2/03 3:39:29 PM |
| Odor | 0 | units | 3 | E140.1 | 7/11/03 7:51:00 AM |
| pH | 7.0 | pH Units | | E150.1 | 7/10/03 5:26:00 PM |
| Sulfate | 8.5 | mg/L | 250 | E375.4 | 7/14/03 8:41:00 AM |
| Turbidity | < 1.0 | NTU | 5 | E180.1 | 7/12/03 10:23:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# ATTACHMENT V

**Brookhaven National Laboratory**
**Potable Water Supply**

**2003 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Potable Wells,**

**Third Quarter Principal Organic Compound Analyses for the BNL Potable Water Distribution System and Potable Water Wells, and**

**Annual Synthetic Organic Chemical and Pesticides Analyses for the BNL Potable Water Wells.**

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307359-001A**

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

Federal ID 5111891
Client ID. : 16841-008
Collected : 7/10/03 10:20:00 AM
Point No : 8
Received : 7/10/03 4:15:00 PM
Location : Well #4 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Aldrin | < 0.025 | µg/L | 5 | E505 | 7/17/03 2:50:00 AM |
| Lindane | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 2:50:00 AM |
| Heptachlor | < 0.025 | µg/L | 0.4 | E505 | 7/17/03 2:50:00 AM |
| Heptachlor epoxide | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 2:50:00 AM |
| Dieldrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 2:50:00 AM |
| Endrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 2:50:00 AM |
| Methoxychlor | < 0.25 | µg/L | 40 | E505 | 7/17/03 2:50:00 AM |
| Chlordane | < 0.50 | µg/L | 2 | E505 | 7/17/03 2:50:00 AM |
| Total PCBs | < 0.50 | µg/L | 0.5 | E505 | 7/17/03 2:50:00 AM |
| Toxaphene | < 2.5 | µg/L | 3 | E505 | 7/17/03 2:50:00 AM |
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/21/03 10:11:42 PM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Chloroform | 2.4 | µg/L | 50 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 10:11:42 PM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 10:11:42 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307359-001A**

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

Federal ID 5111891
Collected : 7/10/03 10:20:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** : SCHD

Point No : 8
Location : Well #4 Raw

**Client ID. : 16841-008**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 10:11:42 PM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 10:11:42 PM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 10:11:42 PM |
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/14/03 12:40:00 PM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/14/03 12:40:00 PM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/14/03 12:40:00 PM |
| Calcium | 4650 | µg/L | | E200.7 | 7/14/03 12:40:00 PM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/14/03 12:40:00 PM |
| * Iron | * 1120 | µg/L | 300 | E200.7 | 7/14/03 12:40:00 PM |
| Manganese | 128 | µg/L | 300 | E200.7 | 7/14/03 12:40:00 PM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/14/03 12:40:00 PM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/14/03 12:40:00 PM |
| Sodium | 15100 | µg/L | | E200.7 | 7/14/03 12:40:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307359-001A**

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

Federal ID 5111891
Collected : 7/10/03 10:20:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 8
Location : Well #4 Raw

**Client ID. : 16841-008**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Zinc | < 20.0 | µg/L | 5000 | E200.7 | 7/14/03 12:40:00 PM |
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 5:00:49 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 5:00:49 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 5:00:49 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 5:00:49 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 5:00:49 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 5:00:49 PM |
| Total Coliform | Negative | | Negative | M9223 | 7/11/03 12:00:00 PM |
| E_Coliform | Absent | | Absent | M9223 | 7/11/03 12:00:00 PM |
| Hexachlorocyclopentadiene | < 0.64 | µg/L | 50 | E525.2 | 7/25/03 4:00:00 PM |
| Propachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 4:00:00 PM |
| Hexachlorobenzene | < 0.25 | µg/L | 1 | E525.2 | 7/25/03 4:00:00 PM |
| Simazine | < 0.50 | µg/L | 4 | E525.2 | 7/25/03 4:00:00 PM |
| Atrazine | < 0.50 | µg/L | 3 | E525.2 | 7/25/03 4:00:00 PM |
| Metribuzin | < 0.50 | µg/L | 50 | E525.2 | 7/25/03 4:00:00 PM |
| Alachlor | < 1.0 | µg/L | 2 | E525.2 | 7/25/03 4:00:00 PM |
| Metolachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 4:00:00 PM |
| Butachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 4:00:00 PM |
| bis(2-Ethylhexyl)adipate | < 1.0 | µg/L | 400 | E525.2 | 7/25/03 4:00:00 PM |
| Bis(2-ethylhexyl)phthalate | < 3.0 | µg/L | 6 | E525.2 | 7/25/03 4:00:00 PM |
| Benzo(a)pyrene | < 0.10 | µg/L | 0.2 | E525.2 | 7/25/03 4:00:00 PM |
| Chloride | 29.2 | mg/L | | E325.2 | 8/2/03 2:00:51 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/14/03 1:12:00 PM |
| * Color | * 30 | units | 15 | E110.2 | 7/11/03 7:47:00 AM |
| Specific Conductivity | 142 | µmhos/cm | | M2510 B | 7/11/03 8:11:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/11/03 7:53:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/11/03 8:32:00 AM |
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 11:11:11 AM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/11/03 9:03:40 AM |
| Nitrate as N | 0.23 | mg/L | 10 | E353.2 | 8/2/03 3:41:30 PM |
| Odor | 0 | units | 3 | E140.1 | 7/11/03 7:46:00 AM |
| pH | 7.1 | pH Units | | E150.1 | 7/10/03 5:17:00 PM |
| Sulfate | 9.3 | mg/L | 250 | E375.4 | 7/14/03 8:32:00 AM |
| Turbidity | 2.5 | NTU | 5 | E180.1 | 7/12/03 10:26:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0307359-002A

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

Federal ID 5111891
Client ID. : 16841-009
Collected : 7/10/03 8:55:00 AM
Point No : 9
Received : 7/10/03 4:15:00 PM
Location : Well #6 Raw
Collected By : CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Aldrin | < 0.025 | µg/L | 5 | E505 | 7/17/03 3:28:00 AM |
| Lindane | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 3:28:00 AM |
| Heptachlor | < 0.025 | µg/L | 0.4 | E505 | 7/17/03 3:28:00 AM |
| Heptachlor epoxide | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 3:28:00 AM |
| Dieldrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 3:28:00 AM |
| Endrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 3:28:00 AM |
| Methoxychlor | < 0.25 | µg/L | 40 | E505 | 7/17/03 3:28:00 AM |
| Chlordane | < 0.50 | µg/L | 2 | E505 | 7/17/03 3:28:00 AM |
| Total PCBs | < 0.50 | µg/L | 0.5 | E505 | 7/17/03 3:28:00 AM |
| Toxaphene | < 2.5 | µg/L | 3 | E505 | 7/17/03 3:28:00 AM |
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/21/03 11:11:00 PM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Chloroform | 0.6 | µg/L | 50 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 11:11:00 PM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 11:11:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307359-002A**

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

Federal ID 5111891
Client ID. : **16841-009**
Collected : 7/10/03 8:55:00 AM
Point No : 9
Received : 7/10/03 4:15:00 PM
Location : Well #6 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 11:11:00 PM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/21/03 11:11:00 PM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/21/03 11:11:00 PM |
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/14/03 1:10:00 PM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/14/03 1:10:00 PM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/14/03 1:10:00 PM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:10:00 PM |
| * Iron | * 3230 | µg/L | 300 | E200.7 | 7/14/03 1:10:00 PM |
| Manganese | 125 | µg/L | 300 | E200.7 | 7/14/03 1:10:00 PM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/14/03 1:10:00 PM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:10:00 PM |
| Sodium | 12400 | µg/L | | E200.7 | 7/14/03 1:10:00 PM |
| Zinc | < 20.0 | µg/L | 5000 | E200.7 | 7/14/03 1:10:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307359-002A**

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

Federal ID 5111891
Collected : 7/10/03 8:55:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 9
Location : Well #6 Raw

Client ID. : **16841-009**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 6:10:37 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 6:10:37 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 6:10:37 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 6:10:37 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 6:10:37 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 6:10:37 PM |
| Total Coliform | Negative | | Negative | M9223 | 7/11/03 12:00:00 PM |
| E_Coliform | Absent | | Absent | M9223 | 7/11/03 12:00:00 PM |
| Hexachlorocyclopentadiene | < 0.64 | µg/L | 50 | E525.2 | 7/25/03 4:34:00 PM |
| Propachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 4:34:00 PM |
| Hexachlorobenzene | < 0.25 | µg/L | 1 | E525.2 | 7/25/03 4:34:00 PM |
| Simazine | < 0.50 | µg/L | 4 | E525.2 | 7/25/03 4:34:00 PM |
| Atrazine | < 0.50 | µg/L | 3 | E525.2 | 7/25/03 4:34:00 PM |
| Metribuzin | < 0.50 | µg/L | 50 | E525.2 | 7/25/03 4:34:00 PM |
| Alachlor | < 1.0 | µg/L | 2 | E525.2 | 7/25/03 4:34:00 PM |
| Metolachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 4:34:00 PM |
| Butachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 4:34:00 PM |
| bis(2-Ethylhexyl)adipate | < 1.0 | µg/L | 400 | E525.2 | 7/25/03 4:34:00 PM |
| Bis(2-ethylhexyl)phthalate | < 3.0 | µg/L | 6 | E525.2 | 7/25/03 4:34:00 PM |
| Benzo(a)pyrene | < 0.10 | µg/L | 0.2 | E525.2 | 7/25/03 4:34:00 PM |
| Chloride | 21.9 | mg/L | | E325.2 | 8/2/03 2:01:30 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/14/03 1:13:00 PM |
| * Color | * 30 | units | 15 | E110.2 | 7/11/03 7:48:00 AM |
| Specific Conductivity | 133 | µmhos/cm | | M2510 B | 7/11/03 8:12:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/11/03 7:56:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/11/03 8:33:00 AM |
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 11:11:54 AM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/11/03 8:08:32 AM |
| Nitrate as N | 0.31 | mg/L | 10 | E353.2 | 8/2/03 3:42:12 PM |
| Odor | 0 | units | 3 | E140.1 | 7/11/03 7:47:00 AM |
| pH | 6.0 | pH Units | | E150.1 | 7/10/03 5:18:00 PM |
| Sulfate | 10.5 | mg/L | 250 | E375.4 | 7/14/03 8:35:00 AM |
| Turbidity | 4.0 | NTU | 5 | E180.1 | 7/12/03 10:28:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307359-003A**

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

Federal ID 5111891
Collected : 7/10/03 9:05:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 10
Location : Well #7 Raw

**Client ID. : 16841-010**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Aldrin | < 0.025 | µg/L | 5 | E505 | 7/17/03 4:07:00 AM |
| Lindane | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 4:07:00 AM |
| Heptachlor | < 0.025 | µg/L | 0.4 | E505 | 7/17/03 4:07:00 AM |
| Heptachlor epoxide | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 4:07:00 AM |
| Dieldrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 4:07:00 AM |
| Endrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 4:07:00 AM |
| Methoxychlor | < 0.25 | µg/L | 40 | E505 | 7/17/03 4:07:00 AM |
| Chlordane | < 0.50 | µg/L | 2 | E505 | 7/17/03 4:07:00 AM |
| Total PCBs | < 0.50 | µg/L | 0.5 | E505 | 7/17/03 4:07:00 AM |
| Toxaphene | < 2.5 | µg/L | 3 | E505 | 7/17/03 4:07:00 AM |
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 12:10:13 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 12:10:13 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 12:10:13 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307359-003A**

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

Federal ID 5111891
Collected : 7/10/03 9:05:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 10
Location : Well #7 Raw

**Client ID. : 16841-010**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 12:10:13 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 12:10:13 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 12:10:13 AM |
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/14/03 1:17:00 PM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/14/03 1:17:00 PM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/14/03 1:17:00 PM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:17:00 PM |
| * Iron | * 1840 | µg/L | 300 | E200.7 | 7/14/03 1:17:00 PM |
| Manganese | 60.5 | µg/L | 300 | E200.7 | 7/14/03 1:17:00 PM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/14/03 1:17:00 PM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:17:00 PM |
| Sodium | 12700 | µg/L | | E200.7 | 7/14/03 1:17:00 PM |
| Zinc | < 20.0 | µg/L | 5000 | E200.7 | 7/14/03 1:17:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307359-003A**

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

Federal ID 5111891
Collected : 7/10/03 9:05:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 10
Location : Well #7 Raw

**Client ID. : 16841-010**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 6:17:42 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 6:17:42 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 6:17:42 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 6:17:42 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 6:17:42 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 6:17:42 PM |
| Total Coliform | Negative | | Negative | M9223 | 7/11/03 12:00:00 PM |
| E_Coliform | Absent | | Absent | M9223 | 7/11/03 12:00:00 PM |
| Hexachlorocyclopentadiene | < 0.64 | µg/L | 50 | E525.2 | 7/25/03 5:07:00 PM |
| Propachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 5:07:00 PM |
| Hexachlorobenzene | < 0.25 | µg/L | 1 | E525.2 | 7/25/03 5:07:00 PM |
| Simazine | < 0.50 | µg/L | 4 | E525.2 | 7/25/03 5:07:00 PM |
| Atrazine | < 0.50 | µg/L | 3 | E525.2 | 7/25/03 5:07:00 PM |
| Metribuzin | < 0.50 | µg/L | 50 | E525.2 | 7/25/03 5:07:00 PM |
| Alachlor | < 1.0 | µg/L | 2 | E525.2 | 7/25/03 5:07:00 PM |
| Metolachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 5:07:00 PM |
| Butachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 5:07:00 PM |
| bis(2-Ethylhexyl)adipate | < 1.0 | µg/L | 400 | E525.2 | 7/25/03 5:07:00 PM |
| Bis(2-ethylhexyl)phthalate | < 3.0 | µg/L | 6 | E525.2 | 7/25/03 5:07:00 PM |
| Benzo(a)pyrene | < 0.10 | µg/L | 0.2 | E525.2 | 7/25/03 5:07:00 PM |
| Chloride | 21.9 | mg/L | | E325.2 | 8/2/03 2:02:12 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/14/03 1:14:00 PM |
| Color | 5 | units | 15 | E110.2 | 7/11/03 7:49:00 AM |
| Specific Conductivity | 130 | µmhos/cm | | M2510 B | 7/11/03 8:13:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/11/03 7:57:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/11/03 8:34:00 AM |
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 11:12:39 AM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/11/03 8:09:23 AM |
| Nitrate as N | 0.21 | mg/L | 10 | E353.2 | 8/2/03 3:42:50 PM |
| Odor | 0 | units | 3 | E140.1 | 7/11/03 7:48:00 AM |
| pH | 5.9 | pH Units | | E150.1 | 7/10/03 5:19:00 PM |
| Sulfate | 9.2 | mg/L | 250 | E375.4 | 7/14/03 8:36:00 AM |
| Turbidity | 2.0 | NTU | 5 | E180.1 | 7/12/03 10:29:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307406-021A**

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

Federal ID 5111891
Collected : 7/11/03 11:00:00 AM
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

Point No : 11
Location : Well #10 Raw

**Client ID. : 16845-021**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2-Dibromoethane | < 0.02 | µg/L | 0.05 | E504.1 | 7/22/03 6:29:00 PM |
| 1,2-Dibromo-3-chloropropane | < 0.02 | µg/L | 0.2 | E504.1 | 7/22/03 6:29:00 PM |
| Aldrin | < 0.025 | µg/L | 5 | E505 | 7/17/03 7:19:00 AM |
| Lindane | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 7:19:00 AM |
| Heptachlor | < 0.025 | µg/L | 0.4 | E505 | 7/17/03 7:19:00 AM |
| Heptachlor epoxide | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 7:19:00 AM |
| Dieldrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 7:19:00 AM |
| Endrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 7:19:00 AM |
| Methoxychlor | < 0.25 | µg/L | 40 | E505 | 7/17/03 7:19:00 AM |
| Chlordane | < 0.50 | µg/L | 2 | E505 | 7/17/03 7:19:00 AM |
| Total PCBs | < 0.50 | µg/L | 0.5 | E505 | 7/17/03 7:19:00 AM |
| Toxaphene | < 2.5 | µg/L | 3 | E505 | 7/17/03 7:19:00 AM |
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 6:04:56 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 6:04:56 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-021A**

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

Federal ID 5111891
Collected : 7/11/03 11:00:00 AM
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

Point No : 11
Location : Well #10 Raw

**Client ID. : 16845-021**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Glyphosate | < 10 | µg/L | 700 | E547 | 7/16/03 2:53:00 PM |
| Diquat | < 1.0 | µg/L | 20 | E549.1 | 7/18/03 2:15:00 PM |
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/24/03 10:48:00 AM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/24/03 10:48:00 AM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/24/03 10:48:00 AM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/24/03 10:48:00 AM |
| Iron | < 20.0 | µg/L | 300 | E200.7 | 7/24/03 10:48:00 AM |
| Manganese | < 10 | µg/L | 300 | E200.7 | 7/24/03 10:48:00 AM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/24/03 10:48:00 AM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/24/03 10:48:00 AM |
| Sodium | 6180 | µg/L | | E200.7 | 7/24/03 10:48:00 AM |
| Zinc | 24.4 | µg/L | 5000 | E200.7 | 7/24/03 10:48:00 AM |
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 6:59:50 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 6:59:50 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 6:59:50 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 6:59:50 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 6:59:50 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 6:59:50 PM |
| Total Coliform | Negative | | Negative | M9223 | 7/12/03 12:15:00 PM |
| E_Coliform | Absent | | Absent | M9223 | 7/12/03 12:15:00 PM |
| Hexachlorocyclopentadiene | < 0.64 | µg/L | 50 | E525.2 | 7/25/03 6:48:00 PM |
| Propachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 6:48:00 PM |
| Hexachlorobenzene | < 0.25 | µg/L | 1 | E525.2 | 7/25/03 6:48:00 PM |
| Simazine | < 0.50 | µg/L | 4 | E525.2 | 7/25/03 6:48:00 PM |
| Atrazine | < 0.50 | µg/L | 3 | E525.2 | 7/25/03 6:48:00 PM |
| Metribuzin | < 0.50 | µg/L | 50 | E525.2 | 7/25/03 6:48:00 PM |
| Alachlor | < 1.0 | µg/L | 2 | E525.2 | 7/25/03 6:48:00 PM |
| Metolachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 6:48:00 PM |
| Butachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 6:48:00 PM |
| bis(2-Ethylhexyl)adipate | < 1.0 | µg/L | 400 | E525.2 | 7/25/03 6:48:00 PM |
| Bis(2-ethylhexyl)phthalate | < 3.0 | µg/L | 6 | E525.2 | 7/25/03 6:48:00 PM |
| Benzo(a)pyrene | < 0.10 | µg/L | 0.2 | E525.2 | 7/25/03 6:48:00 PM |
| Chloride | 4.4 | mg/L | | E325.2 | 8/2/03 2:04:09 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/15/03 1:15:00 PM |
| Color | < 5 | units | 15 | E110.2 | 7/12/03 11:26:00 AM |
| Specific Conductivity | 71 | µmhos/cm | | M2510 B | 7/16/03 11:19:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/23/03 11:09:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/12/03 10:38:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307557-001A**

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

Federal ID 5111891
Collected : 7/16/03 1:39:00 PM
Received : 7/16/03 3:45:00 PM
Collected By : CLIENT
**Copy : Original**
CC : SCHD

Point No : 11
Location : Well #10 Raw

**Client ID. : 16842-001**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Dalapon | < 0.70 | µg/L | 200 | E515.1 | 7/22/03 1:26:00 AM |
| Dicamba | < 0.08 | µg/L | 50 | E515.1 | 7/22/03 1:26:00 AM |
| 2,4-D | < 0.25 | µg/L | 50 | E515.1 | 7/22/03 1:26:00 AM |
| Pentachlorophenol | < 0.20 | µg/L | 1 | E515.1 | 7/22/03 1:26:00 AM |
| 2,4,5-TP (Silvex) | < 0.13 | µg/L | 10 | E515.1 | 7/22/03 1:26:00 AM |
| Dinoseb | < 0.20 | µg/L | 7 | E515.1 | 7/22/03 1:26:00 AM |
| Picloram | < 0.60 | µg/L | 500 | E515.1 | 7/22/03 1:26:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307557-001B**

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

Federal ID 5111891
Client ID. : 16842-001
Collected : 7/16/03 1:39:00 PM
Point No : 11
Received : 7/16/03 3:45:00 PM
Location : Well #10 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Endothall (See Attached) | < 50 | ug/L | 100 | E548.1 | 8/4/03 2:56:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

Eastern Laboratory Services Ltd

quality ■ accuracy ■ reliability

ENVIRONMENTAL LABORATORIES

241 Front St.
Vestal, NY 13850
Phone (607) 785-1526
FAX (607) 785-1529

390 N. Pennsylvania Ave.
South Waverly, PA 18840-2826
Phone (570) 888-0169
FAX (570) 888-0717

# Certificate of Analysis

| | | |
|---|---|---|
| H2M Labs Inc.<br>575 Broad Hollow Road<br>Melville NY, 117475076 | Project: Endothall<br>Project No: 0307557-001B<br>Project Manager: Stu Murrell | **Reported:**<br>08/14/03 10:44 |

**0307557-001B**
**3G18051-01 (Drinking Water)**

Date Sampled: 07/16/03 13:39
Date Received: 07/18/03 14:12

| Analyte | Result | MCL | Units | Prepared | Analyzed | Method | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|
| **EPA 548.1 Endothall** | | | | | | | | |
| Endothall | <0.05 | 0.1 | mg/l | 07/22/03 12:30 | 08/04/03 14:56 | EPA 548.1 | | FCOL* |

FCOL* = Analysis performed by NYS DOH#10552, PA DEP#20-073

Eastern Laboratory Services, Ltd.

Barbara Hohman

Reviewed by Barbara Hohman, QA Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

PA 08380 NY 11216

# H2M LABS, INC.

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


## LABORATORY RESULTS

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

Lab No. : **0307406-021A**

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

Federal ID 5111891
Client ID. : 16845-021
Collected : 7/11/03 11:00:00 AM
Point No : 11
Received : 7/11/03 5:30:00 PM
Location : Well #10 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 6:04:56 AM |
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 6:04:56 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 6:04:56 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 6:04:56 AM |
| Aldicarb sulfoxide | < 1.0 | µg/L | 4 | E531.1 | 7/16/03 2:06:00 AM |
| Aldicarb sulfone | < 1.0 | µg/L | 2 | E531.1 | 7/16/03 2:06:00 AM |
| Oxamyl | < 1.0 | µg/L | 200 | E531.1 | 7/16/03 2:06:00 AM |
| Methomyl | < 1.0 | µg/L | 50 | E531.1 | 7/16/03 2:06:00 AM |
| 3-Hydroxycarbofuran | < 1.0 | µg/L | 50 | E531.1 | 7/16/03 2:06:00 AM |
| Aldicarb | < 1.0 | µg/L | 3 | E531.1 | 7/16/03 2:06:00 AM |
| Carbofuran | < 1.0 | µg/L | 40 | E531.1 | 7/16/03 2:06:00 AM |
| Carbaryl | < 1.0 | µg/L | 50 | E531.1 | 7/16/03 2:06:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307406-021A**

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

Federal ID 5111891
Collected : 7/11/03 11:00:00 AM
Received : 7/11/03 5:30:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

Point No : 11
Location : Well #10 Raw

**Client ID. : 16845-021**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 11:14:56 AM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/12/03 12:01:32 PM |
| Nitrate as N | 0.11 | mg/L | 10 | E353.2 | 8/2/03 3:44:48 PM |
| Odor | 0 | units | 3 | E140.1 | 7/12/03 11:21:00 AM |
| pH | 6.5 | pH Units | | E150.1 | 7/11/03 5:19:00 PM |
| Sulfate | 5.9 | mg/L | 250 | E375.4 | 7/14/03 8:42:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307359-004A**

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

Federal ID 5111891
Collected : 7/10/03 11:15:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

Point No : 12
Location : Well #11 Raw

**Client ID. : 16841-011**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Aldrin | < 0.025 | µg/L | 5 | E505 | 7/17/03 4:45:00 AM |
| Lindane | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 4:45:00 AM |
| Heptachlor | < 0.025 | µg/L | 0.4 | E505 | 7/17/03 4:45:00 AM |
| Heptachlor epoxide | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 4:45:00 AM |
| Dieldrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 4:45:00 AM |
| Endrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 4:45:00 AM |
| Methoxychlor | < 0.25 | µg/L | 40 | E505 | 7/17/03 4:45:00 AM |
| Chlordane | < 0.50 | µg/L | 2 | E505 | 7/17/03 4:45:00 AM |
| Total PCBs | < 0.50 | µg/L | 0.5 | E505 | 7/17/03 4:45:00 AM |
| Toxaphene | < 2.5 | µg/L | 3 | E505 | 7/17/03 4:45:00 AM |
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 1:09:04 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 1:09:04 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 1:09:04 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0307359-004A

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

Federal ID 5111891
Client ID. : 16841-011
Collected : 7/10/03 11:15:00 AM
Point No : 12
Received : 7/10/03 4:15:00 PM
Location : Well #11 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 1:09:04 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 1:09:04 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 1:09:04 AM |
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/14/03 1:25:00 PM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/14/03 1:25:00 PM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/14/03 1:25:00 PM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:25:00 PM |
| Iron | 30.2 | µg/L | 300 | E200.7 | 7/14/03 1:25:00 PM |
| Manganese | < 10 | µg/L | 300 | E200.7 | 7/14/03 1:25:00 PM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/14/03 1:25:00 PM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:25:00 PM |
| Sodium | 12300 | µg/L | | E200.7 | 7/14/03 1:25:00 PM |
| Zinc | < 20.0 | µg/L | 5000 | E200.7 | 7/14/03 1:25:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0307359-004A

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

Federal ID 5111891
Client ID. : 16841-011
Collected : 7/10/03 11:15:00 AM
Point No : 12
Received : 7/10/03 4:15:00 PM
Location : Well #11 Raw
Collected By : CLIENT
Copy : Original
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 6:24:44 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 6:24:44 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 6:24:44 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 6:24:44 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 6:24:44 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 6:24:44 PM |
| Total Coliform | Negative | | Negative | M9223 | 7/11/03 12:00:00 PM |
| E_Coliform | Absent | | Absent | M9223 | 7/11/03 12:00:00 PM |
| Hexachlorocyclopentadiene | < 0.64 | µg/L | 50 | E525.2 | 7/25/03 5:41:00 PM |
| Propachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 5:41:00 PM |
| Hexachlorobenzene | < 0.25 | µg/L | 1 | E525.2 | 7/25/03 5:41:00 PM |
| Simazine | < 0.50 | µg/L | 4 | E525.2 | 7/25/03 5:41:00 PM |
| Atrazine | < 0.50 | µg/L | 3 | E525.2 | 7/25/03 5:41:00 PM |
| Metribuzin | < 0.50 | µg/L | 50 | E525.2 | 7/25/03 5:41:00 PM |
| Alachlor | < 1.0 | µg/L | 2 | E525.2 | 7/25/03 5:41:00 PM |
| Metolachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 5:41:00 PM |
| Butachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 5:41:00 PM |
| bis(2-Ethylhexyl)adipate | < 1.0 | µg/L | 400 | E525.2 | 7/25/03 5:41:00 PM |
| Bis(2-ethylhexyl)phthalate | < 3.0 | µg/L | 6 | E525.2 | 7/25/03 5:41:00 PM |
| Benzo(a)pyrene | < 0.10 | µg/L | 0.2 | E525.2 | 7/25/03 5:41:00 PM |
| Chloride | 17.1 | mg/L | | E325.2 | 8/2/03 2:02:50 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/14/03 1:17:00 PM |
| Color | < 5 | units | 15 | E110.2 | 7/11/03 7:50:00 AM |
| Specific Conductivity | 135 | µmhos/cm | | M2510 B | 7/11/03 8:14:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/11/03 7:58:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/11/03 8:35:00 AM |
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 11:13:24 AM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/11/03 8:10:13 AM |
| Nitrate as N | 0.56 | mg/L | 10 | E353.2 | 8/2/03 3:43:31 PM |
| Odor | 0 | units | 3 | E140.1 | 7/11/03 7:49:00 AM |
| pH | 5.9 | pH Units | | E150.1 | 7/10/03 5:20:00 PM |
| Sulfate | 9.3 | mg/L | 250 | E375.4 | 7/14/03 8:39:00 AM |
| Turbidity | < 1.0 | NTU | 5 | E180.1 | 7/12/03 10:30:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

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

Lab No. : **0307359-005A**

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

Federal ID 5111891
Client ID. : 16841-012
Collected : 7/10/03 10:50:00 AM
Point No : 13
Received : 7/10/03 4:15:00 PM
Location : Well #12 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Aldrin | < 0.025 | µg/L | 5 | E505 | 7/17/03 5:23:00 AM |
| Lindane | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 5:23:00 AM |
| Heptachlor | < 0.025 | µg/L | 0.4 | E505 | 7/17/03 5:23:00 AM |
| Heptachlor epoxide | < 0.025 | µg/L | 0.2 | E505 | 7/17/03 5:23:00 AM |
| Dieldrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 5:23:00 AM |
| Endrin | < 0.050 | µg/L | 2 | E505 | 7/17/03 5:23:00 AM |
| Methoxychlor | < 0.25 | µg/L | 40 | E505 | 7/17/03 5:23:00 AM |
| Chlordane | < 0.50 | µg/L | 2 | E505 | 7/17/03 5:23:00 AM |
| Total PCBs | < 0.50 | µg/L | 0.5 | E505 | 7/17/03 5:23:00 AM |
| Toxaphene | < 2.5 | µg/L | 3 | E505 | 7/17/03 5:23:00 AM |
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 2:08:26 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 2:08:26 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 2:08:26 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307359-005A**

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

Federal ID 5111891
Client ID. : 16841-012
Collected : 7/10/03 10:50:00 AM
Point No : 13
Received : 7/10/03 4:15:00 PM
Location : Well #12 Raw
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 2:08:26 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 2:08:26 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 2:08:26 AM |
| Barium | < 200 | µg/L | 2000 | E200.7 | 7/14/03 1:32:00 PM |
| Beryllium | < 3.0 | µg/L | 4 | E200.7 | 7/14/03 1:32:00 PM |
| Cadmium | < 5.0 | µg/L | 5 | E200.7 | 7/14/03 1:32:00 PM |
| Chromium | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:32:00 PM |
| Iron | < 20.0 | µg/L | 300 | E200.7 | 7/14/03 1:32:00 PM |
| Manganese | < 10 | µg/L | 300 | E200.7 | 7/14/03 1:32:00 PM |
| Nickel | < 40.0 | µg/L | 100 | E200.7 | 7/14/03 1:32:00 PM |
| Silver | < 10 | µg/L | 100 | E200.7 | 7/14/03 1:32:00 PM |
| Sodium | 10900 | µg/L | | E200.7 | 7/14/03 1:32:00 PM |
| Zinc | < 20.0 | µg/L | 5000 | E200.7 | 7/14/03 1:32:00 PM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307359-005A**

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

Federal ID 5111891
Collected : 7/10/03 10:50:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

Point No : 13
Location : Well #12 Raw

**Client ID. : 16841-012**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Arsenic | < 3.00 | ug/l | 50 | E200.8 | 7/24/03 6:31:44 PM |
| Lead | < 1.00 | ug/l | 15 | E200.8 | 7/24/03 6:31:44 PM |
| Selenium | < 5.00 | ug/l | 50 | E200.8 | 7/24/03 6:31:44 PM |
| Antimony | < 5.90 | ug/l | 6 | E200.8 | 7/24/03 6:31:44 PM |
| Thallium | < 1.90 | ug/l | 2 | E200.8 | 7/24/03 6:31:44 PM |
| Mercury | < 0.20 | ug/l | 2 | E200.8 | 7/24/03 6:31:44 PM |
| Total Coliform | Negative | | Negative | M9223 | 7/11/03 12:00:00 PM |
| E_Coliform | Absent | | Absent | M9223 | 7/11/03 12:00:00 PM |
| Hexachlorocyclopentadiene | < 0.64 | µg/L | 50 | E525.2 | 7/25/03 6:15:00 PM |
| Propachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 6:15:00 PM |
| Hexachlorobenzene | < 0.25 | µg/L | 1 | E525.2 | 7/25/03 6:15:00 PM |
| Simazine | < 0.50 | µg/L | 4 | E525.2 | 7/25/03 6:15:00 PM |
| Atrazine | < 0.50 | µg/L | 3 | E525.2 | 7/25/03 6:15:00 PM |
| Metribuzin | < 0.50 | µg/L | 50 | E525.2 | 7/25/03 6:15:00 PM |
| Alachlor | < 1.0 | µg/L | 2 | E525.2 | 7/25/03 6:15:00 PM |
| Metolachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 6:15:00 PM |
| Butachlor | < 1.0 | µg/L | 50 | E525.2 | 7/25/03 6:15:00 PM |
| bis(2-Ethylhexyl)adipate | < 1.0 | µg/L | 400 | E525.2 | 7/25/03 6:15:00 PM |
| Bis(2-ethylhexyl)phthalate | < 3.0 | µg/L | 6 | E525.2 | 7/25/03 6:15:00 PM |
| Benzo(a)pyrene | < 0.10 | µg/L | 0.2 | E525.2 | 7/25/03 6:15:00 PM |
| Chloride | 15.1 | mg/L | | E325.2 | 8/2/03 2:03:32 PM |
| Cyanide | < 10 | µg/L | 200 | M4500-CN CE | 7/15/03 1:11:00 PM |
| Color | < 5 | units | 15 | E110.2 | 7/11/03 7:51:00 AM |
| Specific Conductivity | 126 | µmhos/cm | | M2510 B | 7/11/03 8:15:00 AM |
| Fluoride | < 0.10 | mg/L | 2.2 | M4500F C | 7/11/03 7:59:00 AM |
| MBAS | < 0.08 | mg/L | | E425.1 | 7/11/03 8:36:00 AM |
| Nitrogen, Ammonia (As N) | < 0.10 | mg/L | | E350.1 | 8/4/03 11:14:12 AM |
| Nitrite as N | < 0.10 | mg/L | 1 | E353.2 | 7/11/03 8:11:05 AM |
| Nitrate as N | 0.54 | mg/L | 10 | E353.2 | 8/2/03 3:44:11 PM |
| Odor | 0 | units | 3 | E140.1 | 7/11/03 7:50:00 AM |
| pH | 5.9 | pH Units | | E150.1 | 7/10/03 5:21:00 PM |
| Sulfate | 9.4 | mg/L | 250 | E375.4 | 7/14/03 8:40:00 AM |
| Turbidity | < 1.0 | NTU | 5 | E180.1 | 7/12/03 10:31:00 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307357-001A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 23
Location : Well 4/6/7 Composite

Client ID. : 16841-008/009/010
COMPOSITE-WELLS 4,6,7

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2-Dibromoethane | < 0.02 | µg/L | 0.05 | E504.1 | 7/22/03 5:42:00 PM |
| 1,2-Dibromo-3-chloropropane | < 0.02 | µg/L | 0.2 | E504.1 | 7/22/03 5:42:00 PM |
| Dalapon | < 0.70 | µg/L | 200 | E515.1 | 7/19/03 4:49:00 AM |
| Dicamba | < 0.08 | µg/L | 50 | E515.1 | 7/19/03 4:49:00 AM |
| 2,4-D | < 0.25 | µg/L | 50 | E515.1 | 7/19/03 4:49:00 AM |
| Pentachlorophenol | < 0.20 | µg/L | 1 | E515.1 | 7/19/03 4:49:00 AM |
| 2,4,5-TP (Silvex) | < 0.13 | µg/L | 10 | E515.1 | 7/19/03 4:49:00 AM |
| Dinoseb | < 0.20 | µg/L | 7 | E515.1 | 7/19/03 4:49:00 AM |
| Picloram | < 0.60 | µg/L | 500 | E515.1 | 7/19/03 4:49:00 AM |
| Aldicarb sulfoxide | < 1.0 | µg/L | 4 | E531.1 | 7/15/03 7:48:00 PM |
| Aldicarb sulfone | < 1.0 | µg/L | 2 | E531.1 | 7/15/03 7:48:00 PM |
| Oxamyl | < 1.0 | µg/L | 200 | E531.1 | 7/15/03 7:48:00 PM |
| Methomyl | < 1.0 | µg/L | 50 | E531.1 | 7/15/03 7:48:00 PM |
| 3-Hydroxycarbofuran | < 1.0 | µg/L | 50 | E531.1 | 7/15/03 7:48:00 PM |
| Aldicarb | < 1.0 | µg/L | 3 | E531.1 | 7/15/03 7:48:00 PM |
| Carbofuran | < 1.0 | µg/L | 40 | E531.1 | 7/15/03 7:48:00 PM |
| Carbaryl | < 1.0 | µg/L | 50 | E531.1 | 7/15/03 7:48:00 PM |
| Glyphosate | < 10 | µg/L | 700 | E547 | 7/16/03 1:00:00 PM |
| Diquat | < 1.0 | µg/L | 20 | E549.1 | 7/18/03 1:51:00 PM |
| Endothall (See Attached) | < 50 | ug/L | 100 | E548.1 | 7/22/03 |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307357-002A**

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

Federal ID 5111891
Collected : 7/10/03
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

Point No : 24
Location : Well 11/12 Composite

Client ID. : **16841-011/012**
COMPOSITE-WELLS 11/12

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2-Dibromoethane | < 0.02 | µg/L | 0.05 | E504.1 | 7/22/03 6:05:00 PM |
| 1,2-Dibromo-3-chloropropane | < 0.02 | µg/L | 0.2 | E504.1 | 7/22/03 6:05:00 PM |
| Dalapon | < 0.70 | µg/L | 200 | E515.1 | 7/19/03 5:26:00 AM |
| Dicamba | < 0.08 | µg/L | 50 | E515.1 | 7/19/03 5:26:00 AM |
| 2,4-D | < 0.25 | µg/L | 50 | E515.1 | 7/19/03 5:26:00 AM |
| Pentachlorophenol | < 0.20 | µg/L | 1 | E515.1 | 7/19/03 5:26:00 AM |
| 2,4,5-TP (Silvex) | < 0.13 | µg/L | 10 | E515.1 | 7/19/03 5:26:00 AM |
| Dinoseb | < 0.20 | µg/L | 7 | E515.1 | 7/19/03 5:26:00 AM |
| Picloram | < 0.60 | µg/L | 500 | E515.1 | 7/19/03 5:26:00 AM |
| Aldicarb sulfoxide | < 1.0 | µg/L | 4 | E531.1 | 7/15/03 8:51:00 PM |
| Aldicarb sulfone | < 1.0 | µg/L | 2 | E531.1 | 7/15/03 8:51:00 PM |
| Oxamyl | < 1.0 | µg/L | 200 | E531.1 | 7/15/03 8:51:00 PM |
| Methomyl | < 1.0 | µg/L | 50 | E531.1 | 7/15/03 8:51:00 PM |
| 3-Hydroxycarbofuran | < 1.0 | µg/L | 50 | E531.1 | 7/15/03 8:51:00 PM |
| Aldicarb | < 1.0 | µg/L | 3 | E531.1 | 7/15/03 8:51:00 PM |
| Carbofuran | < 1.0 | µg/L | 40 | E531.1 | 7/15/03 8:51:00 PM |
| Carbaryl | < 1.0 | µg/L | 50 | E531.1 | 7/15/03 8:51:00 PM |
| Glyphosate | < 10 | µg/L | 700 | E547 | 7/16/03 1:28:00 PM |
| Diquat | < 1.0 | µg/L | 20 | E549.1 | 7/18/03 2:03:00 PM |
| Endothall (See Attached) | < 50 | ug/L | 100 | E548.1 | 7/22/03 |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

**ELS - Vestal**
*241 Front St.*
*Vestal, NY 13850*
*Phone (607) 785-1526*
*FAX (607) 785-1529*

**ENVIRONMENTAL**
*390 N. Pennsylvania Ave.*
*S. Waverly, PA 18840-2826*
*Phone (570) 888-0169*
*FAX (570) 888-0717*

quality ■ accuracy ■ reliability

# Certificate of Analysis

| | | |
|---|---|---|
| H2M Labs Inc.<br>575 Broad Hollow Road<br>Melville NY, 117475076 | Project: Endothall<br>Project No: 0307357-001 & 002<br>Project Manager: Stu Murrell | **Reported:**<br>07/25/03 13:37 |

**0307357-001A**
**3G14013-01 (Drinking Water)**

Date Sampled: 07/10/03 00:00
Date Received: 07/14/03 10:05

| Analyte | Result | MCL | Units | Prepared | Analyzed | Method | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|
| **EPA 548.1 Endothall** | | | | | | | | |
| Endothall | <0.05 | 0.1 | mg/l | 07/16/03 08:30 | 07/22/03 18:02 | EPA 548.1 | | FCOL* |

FCOL* = Analysis performed by NYS DOH#10552, PA DEP#20-073

**0307357-002A**
**3G14013-02 (Drinking Water)**

Date Sampled: 07/10/03 00:00
Date Received: 07/14/03 10:05

| Analyte | Result | MCL | Units | Prepared | Analyzed | Method | Analyst | Notes |
|---|---|---|---|---|---|---|---|---|
| **EPA 548.1 Endothall** | | | | | | | | |
| Endothall | <0.05 | 0.1 | mg/l | 07/16/03 08:30 | 07/22/03 18:02 | EPA 548.1 | | FCOL* |

L* = Analysis performed by NYS DOH#10552, PA DEP#20-073

E rn Laboratory Services, Ltd.

Barbara Hohman

Reviewed by Barbara Hohman, QA Manager

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.*

PA 08380 NY 11216

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307406-022A**

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

Federal ID 5111891
Client ID. : 16845-022
Collected : 7/11/03 11:10:00 AM
Point No : 19
Received : 7/11/03 5:30:00 PM
Location : Well #10 Treated
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 7:03:50 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Chloroform | 1.9 | µg/L | 50 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Bromodichloromethane | 1.8 | µg/L | 50 | E502.2 | 7/22/03 7:03:50 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Dibromochloromethane | 0.8 | µg/L | 50 | E502.2 | 7/22/03 7:03:50 AM |
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 7:03:50 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

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

Lab No. : **0307406-022A**

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

Federal ID 5111891
Client ID. : 16845-022
Collected : 7/11/03 11:10:00 AM
Point No : 19
Received : 7/11/03 5:30:00 PM
Location : Well #10 Treated
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 7:03:50 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 7:03:50 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307371-002A**

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

Federal ID 5111891
Client ID. : 16841-039
Collected : 7/10/03 11:15:00 AM
Point No : 20
Received : 7/10/03 4:15:00 PM
Location : Well #11 Treated
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 4:06:49 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1,1-Trichloroethane | 0.7 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 4:06:49 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 4:06:49 AM |
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 4:06:49 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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


## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307371-002A**

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

Federal ID 5111891
Collected : 7/10/03 11:15:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

Point No : 20
Location : Well #11 Treated

**Client ID. : 16841-039**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 4:06:49 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 4:06:49 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

**Lab No. : 0307371-003A**

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

Federal ID 5111891
Collected : 7/10/03 10:50:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
**CC** ; SCHD

Point No : 21
Location : Well #12 Treated

**Client ID. : 16841-040**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 5:05:38 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 5:05:38 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 5:05:38 AM |
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 5:05:38 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

**Brookhaven National Lab.-BNLM**
**70 Bell Ave.**
**Upton, NY 11973**
**Attn To :** S. Scarpitta

Lab No. : **0307371-003A**

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

Federal ID 5111891
Collected : 7/10/03 10:50:00 AM
Received : 7/10/03 4:15:00 PM
Collected By : CLIENT
**Copy : Original**
CC ; SCHD

Point No : 21
Location : Well #12 Treated

**Client ID. : 16841-040**

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 5:05:38 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 5:05:38 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307371-001A**

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

Federal ID 5111891
Client ID. : 16841-038
Collected : 7/10/03 11:50:00 AM
Point No : 22
Received : 7/10/03 4:15:00 PM
Location : Bldg. 624 WTP
Collected By : CLIENT
Copy : **Original**
CC ; SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Chloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Vinyl chloride | < 0.5 | µg/L | 2 | E502.2 | 7/22/03 3:07:22 AM |
| Bromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Chloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Trichlorofluoromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Methylene chloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| trans-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| cis-1,2-Dichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 2,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Bromochloromethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Chloroform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1,1-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Carbon tetrachloride | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,2-Dichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Trichloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,2-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Dibromomethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Bromodichloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 3:07:22 AM |
| trans-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| cis-1,3-Dichloropropene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1,2-Trichloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Tetrachloroethene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,3-Dichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Dibromochloromethane | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 3:07:22 AM |
| Chlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1,1,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Bromoform | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 3:07:22 AM |
| Bromobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,1,2,2-Tetrachloroethane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,2,3-Trichloropropane | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 2-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 4-Chlorotoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,2-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,3-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,4-Dichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : **0307371-001A**

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

Federal ID 5111891
Client ID. : **16841-038**
Collected : 7/10/03 11:50:00 AM
Point No : 22
Received : 7/10/03 4:15:00 PM
Location : Bldg. 624 WTP
Collected By : CLIENT
Copy : **Original**
CC : SCHD

| Parameter(s) | Results | Units | Limit | Method Number | Analyzed |
|---|---|---|---|---|---|
| 1,2,4-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Hexachlorobutadiene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,2,3-Trichlorobenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Benzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Toluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Ethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| m,p-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| o-Xylene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Styrene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Isopropylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| n-Propylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,3,5-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| Methyl tert-butyl ether | < 0.5 | µg/L | 50 | E502.2 | 7/22/03 3:07:22 AM |
| tert-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 1,2,4-Trimethylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| 4-Isopropyltoluene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| sec-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |
| n-Butylbenzene | < 0.5 | µg/L | 5 | E502.2 | 7/22/03 3:07:22 AM |

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

Date Reported : 8/28/03

Joann M. Slavin
Laboratory Manager

# ATTACHMENT VI

## Brookhaven National Laboratory
## Potable Water Supply

## 2003 Third Quarter Radiological Analyses
## for the BNL Potable Water Wells

## ATTACHMENT VI

**Brookhaven National Laboratory**
**Potable Water Supply**

**Table 2**
**Summary of 2003 Third Quarter Radiological Results for the BNL Potable Water Wells**

| Well ID | Gross Alpha (pCi/L) | Gross Beta (pCi/L) | Tritium (pCi/L) | Sr-90 (pCi/L) |
|---|---|---|---|---|
| Well # 4 | < 0.54 | < 1.34 | < 335 | < 0.8 |
| Well # 6 | < 0.54 | < 1.34 | < 337 | < 0.8 |
| Well # 7 | < 0.54 | < 1.34 | < 337 | < 0.8 |
| Well # 11 | < 0.54 | < 1.34 | < 340 | < 0.8 |
| Well # 12 | < 0.54 | < 1.34 | <338 | < 0.8 |
| Well # 11 (Duplicate) | < 0.54 | < 1.34 | < 337 | < 0.8 |

| ASL Prefix No. |
|---|
| 23072404 |

**BROOKHAVEN NATIONAL LABORATORY**

**RADIOLOGICAL CONTROL DIVISION**

SAMPLING CHAIN OF CUSTODY

| Chain of Custody No. |
|---|
| 17201 |

No. of Pages: 1

**Requires EDD** [X]

DQL _____

Carrier/Waybill #: _____

P.O. #: _____

| Analysis Requested By | | | Sampling Contractor | | Analytical Laboratory | | |
|---|---|---|---|---|---|---|---|
| Name: | B Lee | | Name: | EWMSD Field Sampling | Name: | ASL | |
| Life No. | 20222 | Ext. 3148 | Contact | | Address: | | |
| Acct. No. | 07089 | Dept. ES | Phone: | | City: | St: | Zip: |
| **Email Reports to:** | | | Email / Fax: | | Contact: | | |
| 1. | B Lee | | Sampler: | L Lettieri | Phone: | | |
| 2 | | | | | Email/Fax: | | |
| **Project Name** | | | **Project Manager** | | **Field Engineer** | | |
| | ES F Wells | | | B Lee | | | |

COMMENTS

| Type | | | | | 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. / Units | Type | No. | Preservative | Alpha / Beta | Tritium | Gamma | Strontium | 524.2 | 624 | Nuclide Specific Alpha | PCB'x | Metals | |
| 01 | | 001 | e | G | Well 12 | 92 - 137 | 7/24/2003 | 1350 | W | Ground Water | 4.875 L | | 4 | | X | X | X | | | | | | X | X |
| 02 | | 002 | e | G | Well 11 | 93 - 142 | 7/24/2003 | 1340 | W | Ground Water | 4.875 L | | 4 | | X | X | X | | | | | | X | X |
| 03 | | 003 | e | G | Well 6 | 98 - 150 | 7/24/2003 | 1429 | W | Ground Water | 4.875 L | | 4 | | X | X | X | | | | | | X | X |
| 04 | | 004 | e | G | Well 7 | 99 - 150 | 7/24/2003 | 1420 | W | Ground Water | 4.875 L | | 4 | | X | X | X | | | | | | X | X |
| 05 | | 005 | e | G | BD-1 | --------- | 7/24/2003 | --------- | W | Ground Water - Well #11-Duplicate | 4.875 L | | 4 | | X | X | X | | | | | | X | X |
| 06 | | 006 | e | G | Well 4 | 95 - 147 | 7/24/2003 | 1400 | W | Ground Water | 4.875 L | | 4 | | X | X | 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: 7/24/2003 1522 | 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: V Lettieri | Signature: | Signature: | Rush 1 Day: ___ 14 Days X 30 Days ___ |
| Date / Time: 7/24/2003 1528 | Date / Time: | Date / Time: | 7 Days: ___ Other: ___ Days |

ASL Prefix No.
23072404

BROOKHAVEN NATIONAL LABORATORY
RADIOLOGICAL CONTROL DIVISION
Analytical Services Laboratory

RADIOLOGICAL REPORT

Reviewed by: Robert R. Gaschott 8/25/03

| SAMPLE I.D. NUMBER | ALPHA uCi/mL | ALPHA Error | BETA uCi/mL | BETA Error | TRITIUM uCi/mL | TRITIUM Error | MDL - uCi/mL Alpha | Beta | Tritium |
|---|---|---|---|---|---|---|---|---|---|
| 01 | 1.42E-10 | 2.98E-10 | 8.03E-10 | 8.22E-10 | 4.45E-08 | 2.23E-07 | 5.43E-10 | 1.34E-09 | 3.38E-07 |
| 02 | 1.44E-10 | 2.98E-10 | 3.24E-10 | 7.92E-10 | 1.39E-07 | 2.30E-07 | 5.43E-10 | 1.34E-09 | 3.40E-07 |
| 03 | 4.60E-10 | 3.60E-10 | 4.13E-10 | 7.98E-10 | 1.71E-07 | 2.30E-07 | 5.43E-10 | 1.34E-09 | 3.37E-07 |
| 04 | 9.38E-11 | 2.87E-10 | 4.59E-10 | 8.01E-10 | -6.40E-08 | 2.14E-07 | 5.43E-10 | 1.34E-09 | 3.37E-07 |
| 05 | 2.84E-10 | 3.26E-10 | 1.08E-09 | 8.39E-10 | 9.30E-08 | 2.25E-07 | 5.43E-10 | 1.34E-09 | 3.37E-07 |
| 06 | 2.79E-10 | 3.26E-10 | 5.24E-10 | 8.05E-10 | 6.14E-08 | 2.21E-07 | 5.43E-10 | 1.34E-09 | 3.35E-07 |
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ASL Prefix No.
23072404

Brookhaven National Laboratory
Radiological Control Division
Analytical Services Laboratory

GAMMA RESULTS

Reviewed by: ahm

8/14/03

| Sample I.D. | Nuclide Name | Activity uCi/mL | 2-Sigma % Error |
|---|---|---|---|
| 01 | There are no nuclides meeting summary criteria | | |
| 02 | There are no nuclides meeting summary criteria | | |
| 03 | There are no nuclides meeting summary criteria | | |
| 04 | There are no nuclides meeting summary criteria | | |
| 05 | K-40 | 4.20E-08 | 59.61 |
| 06 | There are no nuclides meeting summary criteria | | |

84921

ASL Prefix No. 230725 02

Page 1 of 1

**BROOKHAVEN**
NATIONAL LABORATORY

Carrier/Waybill # _____

P.O. # _____

Chain of Custody No. 17202

Requires EDD ☒ (TW) DQL ____

# SAMPLING CHAIN OF CUSTODY

| Analysis Requested By | Sampling Contractor | Analytical Laboratory |
|---|---|---|
| Name: B Lee | Name: EWMSD Field Sampling | Name: GEL |
| Life: No: 20222 Ext: 3148 | Contact: | Address: |
| Acct. No: 07089 Dept: ES | Phone: | City: St: Zip: |
| Email Reports To: | Email/Fax: | Contact: |
| 1 B Lee | Sampler: L Lettieri | Phone: |
| 2 | | Email/Fax: |
| Project Name: | Project Manager: | Field Engineer: |
| ES F-Wells | B Lee | |

Comments:

| Type LID | Type LID | Stay | Cat | Sample Information: Site ID/Bldg/Life # | Depth/RWP | Date | Time | Matrix | Additional Sample Information: Name/Description | Cont.Vol./Units | Cont.Type | # of Cont | Preservative | Alpha/Beta | Tritium | Gamma | Strontium | 524.2 | 624 | Nuclide-specific Alpha | PCBs | Metals |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 001 | e | G | Well 12 | 92-137 | 7/24/03 | 1350 | | Ground water | 4l | P | 1 | HNO3 | | X | | | | | | | |
| | 002 | e | G | Well 11 | 93-142 | 7/24/03 | 1340 | | | 4l | P | 1 | HNO3 | | X | | | | | | | |
| | 003 | e | G | Well 6 | 98-150 | 7/24/03 | 1429 | | | 4l | P | 1 | HNO3 | | X | | | | | | | |
| | 004 | e | G | Well 7 | 99-150 | 7/24/03 | 1420 | | | 4l | P | 1 | HNO3 | | X | | | | | | | |
| | 005 | e | G | BD-1 | — | 7/24/03 | — | | BD-1 - Well #11 Duplicate | 4l | P | 1 | HNO3 | | X | | | | | | | |
| | 006 | e | G | Well 4 | 95-147 | 7/24/03 | 1400 | | | 4l | P | 1 | HNO3 | | X | | | | | | | |

| 1 Relinquished By/Date/Time | 2 Relinquished By/Date/Time | 3 Relinquished By/Date/Time |
|---|---|---|
| Print L Lettieri 7/25/03 | Print | Print |
| Signature L Lettieri 0830 | Signature | Signature |
| **1 Received By/Date/Time** | **2 Received By/Date/Time** | **3 Received By/Date/Time** |
| Print J Robinson 7/26/03 0900 | Print | Print |
| Signature J Robinson | Signature | Signature |

Contractor Lab Sample Disposal:
☐ Return To Client ☐ Disposal by Lab
☐ Archive For _____ Months

Data Package: ☐ Full ☐ Summary

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

BNL F 3101C

Distribution WHITE (1) - Stays with Sample; PINK (2) - Lab or Other GREEN (3) - Returned to Client with Report GOLDENROD (4) - Field Copy - (Sampler)

2

# GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: August 12, 2003

Contact: John Burke
Project: Analytical Services Lab (ASL)



Client Sample ID: 17202-006
Sample ID: 84921006
Matrix: Water
Collect Date: 24-JUL-03 14:00
Receive Date: 26-JUL-03 09:00
Collector: Client

Project: BRKL00403
Client ID: BRKL004
COC: 17202
Samp Recv.: 17202
Client Desc.: Well 4

| Parameter | Qualifier | Result | | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rad Gas Flow Proportional Counting** | | | | | | | | | | | | |
| *GFPC, Sr90, liquid* | | | | | | | | | | | | |
| Strontium-90 | U | -0.216 | +/-0.241 | 0.536 | 0.800 | pCi/L | | AB2 | 08/01/03 | 1254 | 266431 | 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, tbe 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, LLC standard operating procedures. Please direct any questions to your Project Manager, Valerie Davis.

Reviewed by

# GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: August 12, 2003

Contact: John Burke
Project: Analytical Services Lab (ASL)



Client Sample ID: 17202-003
Sample ID: 84921003
Matrix: Water
Collect Date: 24-JUL-03 14:29
Receive Date: 26-JUL-03 09:00
Collector: Client

Project: BRKL00403
Client ID: BRKL004
COC: 17202
Samp Recv.: 17202
Client Desc.: Well 6

| Parameter | Qualifier | Result | | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rad Gas Flow Proportional Counting** | | | | | | | | | | | | |
| *GFPC, Sr90, liquid* | | | | | | | | | | | | |
| Strontium-90 | U | 0.347 | +/-0.250 | 0.485 | 0.800 | pCi/L | | AB2 | 08/01/03 | 1159 | 266431 | 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.

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Reviewed by

# GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: August 12, 2003

Contact: John Burke
Project: Analytical Services Lab (ASL)

Page 1 of 1

| | | | |
|---|---|---|---|
| Client Sample ID: | 17202-004 | Project: | BRKL00403 |
| Sample ID: | 84921004 | Client ID: | BRKL004 |
| Matrix: | Water | COC: | 17202 |
| Collect Date: | 24-JUL-03 14:20 | Samp Recv.: | 17202 |
| Receive Date: | 26-JUL-03 09:00 | Client Desc.: | Well 7 |
| Collector: | Client | | |

| Parameter | Qualifier | Result | | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rad Gas Flow Proportional Counting** | | | | | | | | | | | | |
| *GFPC, Sr90, liquid* | | | | | | | | | | | | |
| Strontium-90 | U | 0.0935 | +/-0.0969 | 0.192 | 0.800 | pCi/L | | AB2 | 08/06/03 | 1444 | 268002 | 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.

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Heather T Cleveland

Reviewed by

# GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: August 12, 2003

Contact: John Burke
Project: Analytical Services Lab (ASL)



Client Sample ID: 17202-002
Sample ID: 84921002
Matrix: Water
Collect Date: 24-JUL-03 13:40
Receive Date: 26-JUL-03 12:00
Collector: Client

Project: BRKL00403
Client ID: BRKL004
COC: 17202
Samp Recv.: 17202
Client Desc.: Well 11

| Parameter | Qualifier | Result | | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rad Gas Flow Proportional Counting** | | | | | | | | | | | | |
| *GFPC, Sr90, liquid* | | | | | | | | | | | | |
| Strontium-90 | U | 0.0776 | +/-0.187 | 0.388 | 0.800 | pCi/L | | AB2 | 08/01/03 | 1159 | 266431 | 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.

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Reviewed by

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2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: August 12, 2003

Contact: John Burke
Project: Analytical Services Lab (ASL)



| | | | |
|---|---|---|---|
| Client Sample ID: | 17202-001 | Project: | BRKL00403 |
| Sample ID: | 84921001 | Client ID: | BRKL004 |
| Matrix: | Water | COC: | 17202 |
| Collect Date: | 24-JUL-03 13:50 | Samp Recv.: | 17202 |
| Receive Date: | 26-JUL-03 12:00 | Client Desc.: | Well 12 |
| Collector: | Client | | |

| Parameter | Qualifier | Result | | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rad Gas Flow Proportional Counting** | | | | | | | | | | | | |
| *GFPC, Sr90, liquid* | | | | | | | | | | | | |
| Strontium-90 | U | 0.223 | +/-0.228 | 0.455 | 0.800 | pCi/L | | AB2 | 08/01/03 | 1159 | 266431 | 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.

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Reviewed by

# GENERAL ENGINEERING LABORATORIES, LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

## Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: August 12, 2003

Contact: John Burke
Project: Analytical Services Lab (ASL)



Client Sample ID: 17202-005
Sample ID: 84921005
Matrix: Water
Collect Date: 24-JUL-03 00:00
Receive Date: 26-JUL-03 09:00
Collector: Client

Project: BRKL00403
Client ID: BRKL004
COC: 17202
Samp Recv.: 17202
Client Desc.: BD-1 Well #11

| Parameter | Qualifier | Result | | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Rad Gas Flow Proportional Counting** | | | | | | | | | | | | |
| *GFPC, Sr90, liquid* | | | | | | | | | | | | |
| Strontium-90 | U | 0.224 | +/-0.232 | 0.464 | 0.800 | pCi/L | | AB2 | 08/01/03 | 1254 | 266431 | 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.

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Heather A Arow
Reviewed by